

**DENVER INTERNATIONAL AIRPORT
AGREEMENT FOR
OPERATION AND MAINTENANCE
SERVICES FOR THE TERMINAL BAGGAGE HANDLING SYSTEM**

THIS AGREEMENT is made between the **CITY AND COUNTY OF DENVER**, a municipal corporation of the State of Colorado (the “City”) and **VANDERLANDE INDUSTRIES INC.**, a Delaware corporation authorized to transact business in the State of Colorado, with an address of 1828 West Oak Parkway, Marietta, Georgia 30062-2275 (the “Operator”), jointly, “the Parties”.

WITNESSETH:

WHEREAS, the City has entered into the Denver International Airport Supplemental Baggage System Agreement (the “License Agreement”) with Contracting Airlines (as defined in the License Agreement) to lease the Baggage System, as that term is defined in the License Agreement, and to provide for the operation and maintenance of the Baggage System at the Airport; and

WHEREAS, Contracting Airlines and City have agreed that the City shall manage the contract for the operation and maintenance of the Baggage System at the Airport; and

WHEREAS, City desires to appoint Operator to provide operation and maintenance of the Baggage System, for the benefit of the Denver International Airport and the Contracting Airlines.

NOW, THEREFORE, in consideration of the premises and the mutual covenants and agreements herein contained, Operator and City agree as follows:

ARTICLE I

DEFINITIONS

Section 1.1 Definitions

The following terms and phrases shall have the following meanings for the purposes of the Agreement:

“Airport” means Denver International Airport located in the City and County of Denver, State of Colorado, United States of America.

“Baggage Handling System” (BHS) shall have the meaning ascribed thereto in the License Agreement from time to time, with the exception of software. Baggage System,

Baggage Handling System and BHS are used interchangeably. The equipment is as shown on Exhibit A.

“City” means the City and County of Denver, Department of Aviation, or any governmental agency succeeding such entity in its role as operator of the Airport.

“Contracting Airline” means an airline that is party to an Airport Use and Facilities Lease Agreement [or License].

“Fiscal Year” means January 1 through December 31 of any year or such other fiscal year as the City may adopt for the Airport.

“License Agreement” means the Denver International Airport Baggage System License Agreement, as it may be amended or supplemented, from time to time, providing for, among other things, the use of the Baggage System to Contracting Airlines, including any rights of way or easements necessary for such activities.

“Operator” means a qualified and duly licensed independent contractor to exercise certain operation, maintenance and management rights and obligations as Operator of the Baggage System all as set forth in the Operator Agreement.

“Person” or “Persons” means any natural person, firm, partnership, corporation, government body or other legal entity.

“Stakeholders” mean Airlines and Carriers, TSA, TSA EDS equipment contractor, service baggage handlers, skycaps, airport operations, and airport maintenance.

Section 1.2 Interpretations

In this Agreement, unless the context otherwise requires:

- (a) The terms “hereby”, “herein”, “hereof”, “hereto”, “hereunder” and any similar terms used in the Agreement refers to this Agreement.
- (b) All Article and Section references, unless otherwise expressly indicated, are to Articles and Sections of the Agreement.
- (c) Words importing persons shall include firms, associations, partnerships, trust, corporations and other legal entities, including public bodies, as well as natural persons.
- (d) Any headings preceding the text of the Articles and Sections of this agreement, and any table of contents or marginal notes appended to copies

hereof, shall be solely for convenience of reference and shall not constitute a part of this Agreement, nor shall they affect its meaning, construction or effect.

- (e) Words importing the singular shall include the plural and vice versa.
- (f) This Agreement shall be governed and construed in accordance with the laws of the State of Colorado applicable to contracts made and to be performed in that State.
- (g) Any approvals, decisions, directions and/or consents from City will be exercised, taken or given in a fair, reasonable and timely manner. City shall also provide access to the site and Baggage System and otherwise avoid interfering with Operator's ability to effectively perform its services. In connection with such access, City will provide catwalks, fencing, guards and other OSHA required fixtures or installed protective devices in accordance with the License Agreement. City will also provide or cause to be provided, utilities and adequate space for Operator to perform its services under this Agreement at the Airport.

ARTICLE II

APPOINTMENT OF OPERATOR

Section 2.1 Appointment and Term

- (a) City hereby appoints Operator for the term beginning on June 15, 2012 and ending on June 15, 2017, unless sooner terminated pursuant to the provisions of this Agreement, to perform services to the extent specified herein in connection with the operation, maintenance and management of the Baggage System, and Operator hereby accepts such appointment on the terms and conditions set forth herein. City has the option to extend this Agreement for up to two (2) additional one-year terms on the same terms and conditions set forth herein.
- (b) By accepting this appointment, Operator warrants that:
 - (i) it has visited the Airport and the specific site at which the service as specified herein shall be provided;
 - (ii) it has fully acquainted itself with the existing conditions relating to the performance of the services, including the facilities involved

and difficulties, restrictions and logical extensions or scope attending performance under this Agreement;

- (iii) it has examined and familiarized itself with the contract document relevant to the Baggage System and any other form, document, condition and requirement that may in any manner affect its performance of the obligations hereunder.

Section 2.2 Agreement Subject to other Agreements

This Agreement is subject to all of the terms and conditions of the License Agreement and to any agreements entered into in replacement thereof. City will furnish to Operator copies of License Agreement and shall furnish to Operator copies of all amendments, supplements and replacements thereof promptly as they become effective.

Section 2.3 Amendment to License Agreement

Any amendment of the License Agreement after the date hereof that would materially alter the nature or scope of Operator's responsibilities hereunder shall require the approval of Operator (which approval shall not be unreasonably withheld) or there will be an equitable adjustment to the Fee under Section 5.1(a).

ARTICLE III

SERVICES TO BE PERFORMED BY OPERATOR

Section 3.1 Scope of Service

Operator shall perform the following services in its capacity as Operator of the Baggage System as more fully described in *Exhibit A*, and consistent with Operator's Proposal, selected portions of which are attached as *Exhibit E*.

Section 3.2 Additional Work

- (a) If the Operator performs services in addition to its Scope of Services, as a result of material changes in the BHS, at the request of the City, or due to other circumstances beyond the Operator's control, and if such services (1) are pre-approved in writing; (2) will not cause the total compensation payable to the Operator to exceed the Maximum Contract Amount; and (3) are not occasioned by any neglect, breach or default of the Operator, then the Operator will be reimbursed its pre-approved cost for performance of such service(s).

- (b) Before providing any such services, the Operator first shall provide to the City, and secure the City's written approval of, a complete description of the proposed services including an estimate of the maximum cost of any and all such services, on the basis set out in *Exhibit B*, of rates per hour, per day, or other basis of cost. Such description shall also include a statement from the Operator that the maximum cost of such services will not cause the total amount payable to the Operator under this Agreement to exceed the maximum contract amount. In no event shall any form of authorization or pre-approval of additional services be deemed valid or binding upon either the City or the Operator if the maximum cost of such services would cause the aggregate amount payable under this Agreement to exceed the maximum contract amount. Payment for additional services shall not, in any event, exceed the cost estimated by the Operator and approved in writing by the City.
- (c) The Operator shall maintain an accurate and acceptable cost accounting as to all such additional expenses and shall make available to the City all records, canceled checks and other disbursement media to substantiate any and all requests for payment for additional services.

Section 3.3 Title and Warranties

- (a) Title. All Materials, equipment and Spare Parts on hand as of the effective date of this Agreement that are paid for by the City or Contracting Airlines (whether purchased by Contracting Airlines or City or purchased by Operator and reimbursed by Contracting Airlines or City) shall be the property of the City.
- (a) Operator's Warranty. Operator warrants that the Spare Parts and Materials used under this Agreement shall be new (unless otherwise specified or agreed in writing) and suitable for the purpose used. The Operator also warrants that its employees or Subcontractors will be sufficiently skilled to produce quality repair, replacement and maintenance in a workmanlike manner.

Section 3.4 Support Contracts

- (a) City has in place a number of third party support contracts, which are a component of the BHS. Prior to the expiration of such support contracts, Operator shall be responsible for coordinating with the City to renew and manage such support services. The third party support contracts, along with a summary of their terms, are listed on Appendix E to *Exhibit A*.

Section 3.5 Stakeholder Involvement

- (a) The Operator shall support the City with the coordination and communication with stakeholders in a professional and businesslike manner. Operator shall use its best efforts to coordinate its activities with those of the various users of the Airport and to perform its activities so as not to disturb, endanger, unreasonably interfere with or delay the operations or activities of any tenant or occupants of the Airport.
- (b) Operator shall assist the City with any communications regarding the BHS. All written communications with Stakeholders shall be through the City, and not Operator.

ARTICLE IV

ANNUAL BUDGET AND COST RECORDS

Section 4.1 Budget

- (a) Year ending 2012
Operator has provided the City a Budget covering the first period of performance in 2012. The first performance period will begin on June 15, 2012 and end on December 31, 2012. This first period Budget has been approved by the City.
- (b) In subsequent years, Operator shall provide the City an Annual Budget not later than 60 days before the start of the Fiscal Year, which the City and Operator shall review and adjust until approved by the City in writing. The Annual Budget shall be approved by the City no later than 30 days prior to start of the Fiscal Year. Operator shall throughout its work and service maintain accurate, comprehensive and complete records of workforce size and cost, the cost for support materials and services.
- (c) The following items will be factored into subsequent budgets:
 - (i) ECI index will be applied to the contractor's fee
 - (ii) Spare parts usage and cost information from previous year
 - (iii) Changes to BHS configuration
 - (iv) Changes in scope

Section 4.2 Shared Savings

- (a) The City and the Operator agree to work together to find cost savings initiatives. These initiatives will be identified and proposed during semi-annual operations reviews and, if mutually agreed upon, implemented to evaluate results. If, upon

successful implementation and agreement between the City and Operator, these initiatives are worthy of continuation, the City and Operator shall share the cost savings on a 50%/50% basis.

Section 4.3 Prevailing Wages

Employees of the Operator or its subcontractors may be subject to the payment of prevailing wages pursuant to D.R.M.C. § 20-76, depending upon the nature of the Work. By executing this Agreement, the Operator covenants that it is familiar with this Code Section and is prepared to pay or cause to be paid prevailing wages, if any, applicable to the work conducted by the Operator's or its subcontractor's employees. The schedule of prevailing wage is periodically updated and Operator is responsible for payment of then current prevailing wage. The current prevailing wage rate schedule is attached as Exhibit F. The Operator may obtain future schedules of prevailing wage rates at any time from the City Auditor's Office.

ARTICLE V

PAYMENTS TO OPERATOR

Section 5.1 Payments to Operator

(a) Invoice. The Operator shall invoice, in a form acceptable to the City, one month in arrears for the service month identified on the invoice.

(1)	Year 1 (June 15, 2012 to December 31, 2012) (6.5 months)	
	Operations Fee	\$1,509,889
	Year 1, Parts	\$476,000
	Total	\$1,985,889

(2) Subsequent Years, January to December

Per Section 4.1, an annual budget will be provided to the City by the Operator. The City and the Operator will make their best effort to contain increases based on 4.1 (c).

(b) Cost Adjustments. Damage determined by the Operator to be above Fair Wear & Tear will be reported to the City. The City will provide approval for repairs outside the scope of the contract. Examples include but are not limited to damage to baggage system resulting from: contact with motorized vehicles, failure to use required procedures and intentional damage. Repairs approved and performed outside this agreement will be invoiced as instructed by the City.

- (c) Replacement Spare Parts. Spare Parts are included in the Annual Budget as a separate forecasted line item. While the warranty is in effect on the Baggage System, Spare Parts are to be supplied to Operator by the appropriate manufacturer. If the manufacturer does not promptly supply the required Spare Parts under warranty, Operator will provide same under the following provisions as though the warranty has expired. It will be the responsibility of the City to seek reimbursement from the manufacturer. Any Spare Parts or replacement parts purchased by Operator, on behalf of and as approved by the City, from system suppliers shall be included on the monthly invoice as a separate line item at vendor's actual price including freight charges. The City shall be entitled to provide Spare Parts to Operator for use under this Agreement, which Spare Parts will not be subject to any markup.
- (d) Maximum Contract Amount.
- (1) Notwithstanding any other provision of the Agreement, the City's maximum payment obligation will not exceed **THIRTY-FOUR MILLION AND NO/100 DOLLARS (\$34,000,000.00)** (the "Maximum Contract Amount"). The City is not obligated to execute an Agreement or any amendments for any further services, including any services performed by Operator beyond that specifically described in *Exhibit A*. Any services performed beyond those in *Exhibit A* are performed at Operator's risk and without authorization under the Agreement.
 - (2) The City's payment obligation, whether direct or contingent, extends only to funds appropriated annually by the Denver City Council, paid into the Treasury of the City, and encumbered for the purpose of the Agreement. The City does not by the Agreement irrevocably pledge present cash reserves for payment or performance in future fiscal years. The Agreement does not and is not intended to create a multiple-fiscal year direct or indirect debt or financial obligation of the City.

ARTICLE VI

INDEMNIFICATION, INSURANCE AND BOND

Section 6.1 Indemnification by Operator

- (a) Operator hereby agrees to defend, indemnify, reimburse and hold harmless City, its appointed and elected officials, agents and employees for, from and against all liabilities, claims, judgments, suits or demands for damages to persons or property arising out of, resulting from, or relating to the work performed under this Agreement ("Claims"), unless such Claims

have been specifically determined by the trier of fact to be the sole negligence or willful misconduct of the City. This indemnity shall be interpreted in the broadest possible manner to indemnify City for any acts or omissions of Operator or its subcontractors either passive or active, irrespective of fault, including City's concurrent negligence whether active or passive, except for the sole negligence or willful misconduct of City.

- (b) Operator's duty to defend and indemnify City shall arise at the time written notice of the Claim is first provided to City regardless of whether Claimant has filed suit on the Claim. Operator's duty to defend and indemnify City shall arise even if City is the only party sued by claimant and/or claimant alleges that City's negligence or willful misconduct was the sole cause of claimant's damages.
- (c) Operator will defend any and all Claims which may be brought or threatened against City and will pay on behalf of City any expenses incurred by reason of such Claims including, but not limited to, court costs and attorney fees incurred in defending and investigating such Claims or seeking to enforce this indemnity obligation. Such payments on behalf of City shall be in addition to any other legal remedies available to City and shall not be considered City's exclusive remedy.
- (d) Insurance coverage requirements specified in this Agreement shall in no way lessen or limit the liability of the Operator under the terms of this indemnification obligation. The Operator shall obtain, at its own expense, any additional insurance that it deems necessary for the City's protection.
- (e) Operator further agrees that if a prohibited incursion into the Air Operations Area occurs, or the safety or security of the Air Operations Area, the Airfield, the Baggage System or other sterile area safety or security area is breached by or due to the negligence or willful act or omission of any of Operator's employees, agents, or contractors and such incursion or breach results in a civil penalty action being brought against the City by the U.S. Government, Operator agrees to reimburse the City for all expenses, including attorney fees, incurred by the City in defending against the civil penalty action and for any civil penalty or settlement amount paid by the City as a result of such incursion or breach of airfield or sterile area security. The City shall notify Operator of any allegation, investigation, or proposed or actual civil penalty sought by the U.S. Government for such incursion or breach. Civil penalties and settlement and associated expenses reimbursable under this Paragraph include but are not limited to those paid or incurred as a result of violation of Federal Aviation Administration (FAA) regulations or Transportation Security Administration (TSA) regulations, as they may be amended, or any similar law or regulations intended to replace or compliment such regulations.
- (f) This defense and indemnification obligation shall survive the expiration or termination of this Agreement.

Section 6.2 Insurance

- (a) The Operator shall obtain and keep in force during the entire term of this Agreement, including any warranty periods, all of the minimum insurance coverage forms and amounts set forth in *Exhibit C*, which is incorporated into this Agreement by this reference. The Operator shall submit to the City fully completed and executed certificates of insurance (ACORD form or equivalent approved by the City) which specifies the issuing company or companies, policy numbers and policy periods for each required form of coverage. The certificates for each insurance policy are to be signed by a person authorized by the insurer to bind coverage on its behalf, and must be submitted to the City at the time the Operator signs this Agreement.
- (b) All certificates and any required endorsements must be received and approved by the City before any work commences. Each insurance policy required by this Agreement must be in effect at or prior to commencement of work under this Agreement and remain in effect for the duration of the project, including any warranty periods. Failure to maintain the insurance policies as required by this Agreement or to provide evidence of renewal is a material breach of the Agreement. All subcontractors' work shall also be subject to the minimum requirements identified in *Exhibit C*. All subcontractors' certificates and endorsements must be received and approved by the Contractor before work commences. The City reserves the right to request copies of these certificates at any time.
- (c) All certificates required by this Agreement shall be sent directly to Denver International Airport, Business & Technologies, Airport Office Building, Room 8810, 8500 Pena Boulevard, Denver, Colorado 80249. The City project/Agreement number and project description shall be noted on the certificate of insurance. The City reserves the right to require complete, certified copies of all insurance policies required by this Agreement at any time.
- (d) The City's acceptance of any submitted insurance certificate is subject to the approval of the City's Risk Management Administrator. All coverage requirements specified in the certificate shall be enforced unless waived or otherwise modified in writing by the City's Risk Management Administrator.
- (e) The Operator shall comply with all conditions and requirements set forth in the insurance certificate for each required form of coverage during all periods in which coverage is in effect.
- (f) The insurance coverage forms specified in this Agreement are the minimum requirements, and these requirements do not lessen or limit the liability of the Operator. The Operator shall maintain, at its own expense, any additional kinds and amounts of insurance that it may deem necessary to cover its obligations and liabilities under this Agreement.

- (g) The parties hereto understand and agree that the City and County of Denver, its officers, officials and employees, are relying on, and do not waive or intend to waive by any provisions of this Agreement, the monetary limitations or any other rights, immunities and protections provided by the Colorado Governmental Immunity Act, §§ 24-10-101 to 120, C.R.S., or otherwise available to the City and County of Denver, its officers, officials and employees.

Section 6.3 Performance Bond

A Performance Bond, in the form attached as *Exhibit D* shall be furnished covering all Work performed hereunder. A bond in the amount of TWO MILLION Dollars and No Cents (\$2,000,000.00) shall be provided at the time of Contract execution. The Surety must be issued from a surety corporation or bank authorized to do business in the State of Colorado and which is acceptable to the City. Such Surety shall be payable to the City upon demand for the Contractor's failure to perform as required under this Contract and/or failure to pay all amounts owed to laborers, mechanics, subcontractors, and materialmen for work performed or materials, supplies, rental items, tools, and equipment provided for the Work under this Contract. The Surety shall also assure the repair or replacement of any Work found to be defective or otherwise not in compliance with this Contract. The Surety shall remain in effect or be promptly renewed or replaced by another Surety acceptable to the City during the Term of the Contract, or any extension thereof, and during a ninety (90) day period after the expiration or termination of this Contract and any warranty period or other period prescribed by law. Satisfactory proof of renewal or acceptable replacement must be provided to the Manager at least sixty (60) days prior to the date of expiration or termination of the Surety. The Contractor's obligations set out in this section shall survive the termination of this Contract and failure to obtain or maintain said Surety shall be grounds for immediate termination.

Section 6.4 Cap on Consequential Damages

Notwithstanding anything to the contrary in this Agreement, except as provided in the remainder of this Section, and to the fullest extent permitted by applicable law:

- (a) Operator's total aggregate liability for claims of consequential or indirect damages which are covered by Operator's insurance policies under this contract shall be limited to the sums covered and paid out under Operator's insurance policies plus the amount specified clause (b) below, to the extent such claims are not fully paid by sums covered and paid out under Operator's insurance policies. The maximum available sum recovered under Operator's comprehensive general liability insurance policy is \$10,000,000 per occurrence; and

(b) Operator's total aggregate liability for claims of consequential or indirect damages which are not covered and paid out under Operator's insurance policies shall be limited to the maximum of the annual value of the Maximum Contract Amount.

The foregoing limitations shall not apply in instances where such damages arise out of or result from the gross negligence or willful misconduct of the Operator.

ARTICLE VII

TERMINATION

Section 7.1 Termination

(a) The City has the right to terminate the Agreement with cause upon written notice effective immediately, and without cause upon sixty (60) days prior written notice to the Operator.

(b) Notwithstanding the preceding paragraph, the City may terminate the Agreement if the Operator or any of its officers or employees are convicted, plead *nolo contendere*, enter into a formal agreement in which they admit guilt, enter a plea of guilty or otherwise admit culpability to criminal offenses of bribery, kick backs, collusive bidding, bid-rigging, antitrust, fraud, undue influence, theft, racketeering, extortion or any offense of a similar nature in connection with Operator's business. Termination for the reasons stated in this paragraph is effective upon receipt of notice.

(c) Upon termination of the Agreement, with cause, the Operator shall have no claim against the City by reason of, or arising out of, incidental or relating to termination, except for compensation for work duly requested and satisfactorily performed as described in the Agreement. Upon termination of the Agreement without cause, Operator shall recover the prorated contract value due to the date of termination, its reimbursement of actual costs to the date of termination, plus its reasonable expenses operation that it cannot avoid after the date of termination. Operator shall have no other remedies.

(d) If the Agreement is terminated, the City is entitled to and will take possession of all materials, equipment, tools and facilities it owns that are in the Operator's possession, custody, or control by whatever method the City deems expedient. The Operator shall deliver all documents in any form that were prepared under the Agreement and all other items, materials and documents that have been paid for by the City to the City. These documents and materials are the property of the City. The Operator shall mark all copies of work product that are incomplete at the time of termination "DRAFT-INCOMPLETE".

ARTICLE VIII

DEFAULT

Section 8.1 Event of Default with Respect to Operator

An Event of Default by the Operator shall mean any of the following:

- (a) Persistent failure to respond to baggage jams and similar problems within a time period of five (5) minutes; or
- (b) Failure to adequately staff the operation and maintenance functions as required under this Agreement; or
- (c) Failure to perform any other material obligation of Operator under this Agreement.

Section 8.2 Events of Default with Respect to City

An Event of Default by City shall mean any of the following:

- (a) Failure to pay when due any payments owing to Operator hereunder; or
- (b) Failure to perform any other material obligation of City under this Agreement.

Section 8.3 Remedies of City upon Termination in Event of Default of Operator.

In the case of termination of Operator by City due to an Event of Default by Operator, City shall have the right to replace Operator and recover damages resulting from Operator's breach of this Agreement.

Section 8.4 Remedies of Operator

In the case of termination by Operator, Operator shall recover the prorated contract value due to the date of termination, its reimbursable actual costs to the date of termination plus its reasonable actual expenses of operation that it cannot avoid after the date of termination. Operator shall have no other remedies.

ARTICLE IX

BOOKS, RECORDS AND ACCOUNTS OF OPERATOR

Section 9.1 Obligations of Operator

- (a) Operator shall at all times keep complete and accurate books, records and accounts of its costs of services rendered hereunder. Subject to requirements of law, all books, records and accounts shall be maintained for a minimum of five (5) years.
- (b) During the term of this Agreement, management reports recording the performance of the Baggage System shall be prepared by the Operator and submitted to City. In addition, the Operator shall keep detailed operations and maintenance records and inventory data to permit City to ascertain the Operator's compliance with the requirements of this Agreement and shall furnish copies of such documents to City upon City's request.
- (c) All BHS reports and records shall be in accordance with approved Operations and Maintenance Manuals or as otherwise reasonably required by City. At the request of City, summaries of all interruptions to normal services with an explanation of the cause and duration of any and all such interruptions will be provided in a mutually agreed format and frequency, within the limitations of the installed BHS software.
- (d) The procedures and forms for such recordkeeping shall be approved by City. All records and data shall be property of City. All such documents shall be dated and signed by appropriate Operator personnel. All correspondence under this Agreement shall be serialized in accordance with the instructions of City.

Section 9.2 Examination of Records

- (a) Records of the Operator's direct personnel, Operator and reimbursable expenses pertaining to this Project and records of accounts between the City and the Operator shall be kept on a generally recognized accounting basis. The Operator agrees that the Manager and the Auditor of the City or any of their duly authorized representatives, until the expiration of three (3) years after the final payment under this Agreement, shall have access to and the right to examine any books, documents, papers and records of the Operator, involving transactions related to this Agreement, without regard to whether the work was paid for in whole or in part with federal funds or was otherwise related to a federal grant program. The Operator, upon request by either shall make all such books and records available for examination and copying in Denver, Colorado.
- (b) In connection with any services performed hereunder on items of work toward which federal funds may be received under the Airport and Airway Development Act of 1970, as amended, the City, the Federal Aviation

Administration, the Comptroller General of the United States, and any of their duly authorized representatives, shall have access to any books, documents, papers and records of the Consultant which are directly pertinent to a specific grant program for the purpose of making audit, examination, excerpts and transcriptions. The Operator further agrees that such records will contain information concerning the personnel, hours and specific tasks performed, along with the applicable federal project number.

ARTICLE X

FORCE MAJEURE

Section 10.1 Operator shall not be liable as an Event of Default with respect to failure of its performance hereunder caused by acts of God, fire, accidents, strikes and labor disputes (unless due to an unfair labor practice of Operator) or other causes beyond the control of Operator or those retained by Operator at any tier (together “force majeure events”). If a force majeure event occurs, the Operator shall exercise its best efforts to continue its performance, despite the occurrence of such event.

ARTICLE XI

CONTINUITY OF WORK FORCE

Section 11.1 It shall be Operator’s responsibility to use reasonable efforts to maintain the same work force from year to year under this Agreement, except for those employees whose performance is not satisfactory. Both City and Operator understand that Operator’s ability to maintain work force continuity can be adversely impacted by constraints on wage rates and fringe benefits and that they will work jointly in the budgeting process to achieve an appropriate balance. Operator shall include in all of its Subcontracts consent of Subcontractor to assignment of its Subcontract to City. In the case of any termination of Operator under this Agreement, for any reason or without cause, Operator hereby consents and agrees that its Subcontracts shall automatically be assigned to City upon written direction of City, if City so elects.

ARTICLE XII

ALLOCATED COSTS INVOLVING AIRLINES

Section 12.1 Payment Allocations

To the extent reasonably available, Operator shall cooperate in providing City with all data, records, accounting and other information on which an allocation can be made of the costs to operate, maintain and otherwise provide the services under this Agreement that pertain to the Shared Use Components.

ARTICLE XIII

REGULATING PROVISIONS

Section 13.1 Federal Provisions

This Agreement is subject and subordinate to the terms, reservations, restrictions and conditions of any existing or future agreements between the City and the United States, the execution of which has been or may be required as a condition precedent to the transfer of federal rights or property to the City for airport purposes and the expenditure of federal funds for the extension, expansion or development of the Denver Municipal Airport system, including DIA. The provisions of the attached *Appendix No. I* is incorporated herein by reference.

Section 13.2 City and County of Denver

The City may from time to time be required by the United States Government or by its agencies or by the City itself to adopt additional or amended provisions, including non-discrimination provisions, concerning the use and operation of the Airport, and Operator agrees that it will adopt any such requirements as a part of this Agreement.

Section 13.3 FAA/TSA Determinations

If the FAA and/or TSA determines that any right or claim of right in or to the property herein creates an undue risk or interference with the operation of the Airport or the performance of or compliance with any covenants and conditions to which the use of the Airport is subject, said right or claim shall be extinguished or modified in a manner acceptable to FAA/TSA.

ARTICLE XIV

MISCELLANEOUS

Section 14.1 Notices

All notices required by the terms of the Agreement must be hand delivered, sent by overnight courier service, or mailed by certified mail, return receipt requested, if to Operator at the address first above written, and if to the City at:

Manager of Aviation or Designee
Denver International Airport
8500 Peña Boulevard, 9th Floor
Denver, Colorado 80249-6340

With a copy of any such notice to:

Airport Legal Services
Denver International Airport
8500 Peña Boulevard, 9th Floor
Denver, Colorado 80249-6340

Notices hand delivered or sent by overnight courier are effective upon delivery. Notices sent by certified mail are effective upon receipt. The parties may designate substitute addresses where or persons to whom notices are to be mailed or delivered. However, these substitutions will not become effective until actual receipt of written notification.

Section 14.2 Use, Possession or Sale of Alcohol or Drugs

Operator, its Subcontractors and their officers, agents and employees shall cooperate and comply with the provisions of Executive Order No. 94 and its Attachment A concerning the use, possession or sale of alcohol or drugs. Violation of these provisions or refusal to cooperate with implementation of the policy can result in the City's barring Operator from the City facilities and from participating in City operations.

Section 14.3 City Smoking Policy

Operator acknowledges that smoking is not permitted in Airport buildings and facilities except for designated Airport Smoking Concessions, and so agrees that it will prohibit smoking by its employees and the public in indoor areas and within 15 feet of entryways of the Airport Premises, except as may otherwise be permitted by the Colorado Clean Indoor Air Act, C.R.S. §§ 25-14-201 to 209. Operator and its officers, agents, and employees shall cooperate and comply with the provisions of the Denver Revised Municipal Code §§ 24-301 to 317, et seq., the Colorado Clean Indoor Air Act, C.R.S. 25-14-201 to 209, City's Executive Order No. 99, dated December 1, 1993, and Executive Order No. 13, dated July 31, 2002.

Section 14.4 Security

- (a) It is a material requirement of this Agreement that the Operator shall comply with all rules, regulations, written policies and authorized directives from the City and/or the Transportation Security Administration with respect to Airport security. The Operator shall conduct all of its activities at the Airport in compliance with the Airport security program, which is administered by the Security Section of the Airport Operations Division, Department of Aviation. Violation by the Operator or any of its employees, subcontractors or vendors of any rule, regulation or authorized directive from the City or the Transportation Security Administration with respect to Airport Security shall be grounds for immediate termination by the City of this Agreement for cause.
- (b) The Operator shall promptly upon notice of award of this Agreement, meet with the Airport's Assistant Security Manager to establish badging and vehicle permit requirements for the Operator's operations under this Agreement. The Operator shall obtain the proper access authorizations for all of its employees, subcontractors and vendors who will enter the Airport to perform work or make deliveries, and shall be responsible for each such person's compliance with all Airport rules and regulations, including without limitation those pertaining to security. Any person who violates such rules may be subject to revocation of his/her access authorization. The failure of the Operator or any subcontractor to complete any required services hereunder shall not be excused on account of the revocation for good cause of access authorization of any person.
- (c) The security status of the Airport is subject to change without notice. If the security status of the Airport changes at any time during the term of this Agreement, the Operator shall take immediate steps to comply with security modifications which occur as a result of the changed status. The Operator may at any time obtain current information from the Airport Security Office regarding the Airport's security status in relation to the Operator's operations at the Airport.
- (d) The Operator shall return to the City at the expiration or termination of this Agreement, or upon demand by the City, all access keys or access badges issued to it or any subcontractor for any area of the Airport, whether or not restricted. If the Operator fails to do so, the Operator shall be liable to reimburse the City for all of the City's costs for work required to prevent compromise of the Airport security system. The City may withhold funds in the amount of such costs from any amounts due and payable to the Operator under this Agreement.

Section 14.5 Independent Contractor

The Operator is an independent contractor retained to perform professional or technical services for limited periods of time. Neither the Operator nor any of its employees are employees or officers of the City under Chapter 18 of the Denver Revised Municipal Code, or for any purpose whatsoever.

Section 14.6 Agreement as Complete Integration-Amendments

The Agreement is the complete integration of all understandings between the parties as to the subject matter of the Agreement. No prior, contemporaneous or subsequent addition, deletion, or other modification has any force or effect, unless embodied in the Agreement in writing. No oral representation by any officer or employee of the City at variance with the terms of the Agreement or any written amendment to the Agreement will have any force or effect or bind the City.

Section 14.7 Assignment; Successors

The Operator shall not voluntarily or involuntarily assign any of its rights or obligations, or subcontract performance obligations, under this Agreement without obtaining the Manager's prior written consent. Any assignment or subcontracting without such consent will be ineffective and void, and shall be cause for termination of this Agreement by the City. The Manager has sole and absolute discretion whether to consent to any assignment or subcontracting, or to terminate the Agreement because of unauthorized assignment or subcontracting. In the event of any subcontracting or unauthorized assignment: (i) the Operator shall remain responsible to the City; and (ii) no contractual relationship shall be created between the City and any sub-consultant, subcontractor or assign.

Section 14.8 Right of Access and Inspection

City, by its respective officers, employees, agents, representatives and contractors, shall have the right at all reasonable times and in a reasonable manner, upon notice to the Operator, to access the Baggage System for the purpose of inspecting the same or for doing any act or thing which the City may be obligated or have the right to do under this Agreement, the License Agreement or otherwise. In the exercise of their rights under this Section, City shall use their best efforts to avoid interfering with the Operator's performance of the Agreement.

Section 14.9 Non-Discrimination in Employment

In connection with the performance of work under the Agreement, the Operator may not refuse to hire, discharge, promote or demote, or discriminate in matters of compensation against any person otherwise qualified, solely because of race, color, religion, national origin, gender, age, military status, sexual orientation, gender variance, marital status, or physical or mental disability. The Operator shall insert the foregoing provision in all subcontracts.

Section 14.10 Taxes, Charges and Penalties

The City is not liable for the payment of taxes, late charges or penalties of any nature, except for any additional amounts that the City may be required to pay under the City's prompt payment ordinance D.R.M.C. § 20-107, *et seq.* The Operator shall promptly pay

when due, all taxes, bills, debts and obligations it incurs performing the services under the Agreement and shall not allow any lien, mortgage, judgment or execution to be filed against City property.

Section 14.11 Waiver

In no event will any payment or other action by the City constitute or be construed to be a waiver by the City of any breach of covenant or default that may then exist on the part of the Operator. No payment, other action, or inaction by the City when any breach or default exists will impair or prejudice any right or remedy available to it with respect to any breach or default. No assent, expressed or implied, to any breach of any term of the Agreement constitutes a waiver of any other breach.

Section 14.12 Severability

Except for the provisions of the Agreement requiring appropriation of funds and limiting the total amount payable by the City, if a court of competent jurisdiction finds any provision of the Agreement or any portion of it to be invalid, illegal, or unenforceable, the validity of the remaining portions or provisions will not be affected, if the intent of the parties can be fulfilled.

Section 14.13 Counterparts

This Agreement may be executed in any number of counterparts each of which is an original and constitute the same instrument.

Section 14.14 Inurement

The rights and obligations of the parties to the Agreement inure to the benefit of and shall be binding upon the parties and their respective successors and assigns, provided assignments are consented to in accordance with the terms of the Agreement.

Section 14.15 No Third Party Beneficiary

Enforcement of the terms of the Agreement and all rights of action relating to enforcement are strictly reserved to the parties. Nothing contained in the Agreement gives or allows any claim or right of action to any third person or entity. Any person or entity other than the City or the Operator receiving services or benefits pursuant to the Agreement is an incidental beneficiary only.

Section 14.16 No Authority to Bind City to Contracts

The Operator lacks any authority to bind the City on any contractual matters. Final approval of all contractual matters that purport to obligate the City must be

executed by the City in accordance with the City's Charter and the Denver Revised Municipal Code.

Section 14.17 Conflict of Interest

- (a) No employee of the City shall have any personal or beneficial interest in the services or property described in the Agreement. The Operator shall not hire, or contract for services with, any employee or officer of the City that would be in violation of the City's Code of Ethics, D.R.M.C. §2-51, et seq. or the Charter §§ 1.2.8, 1.2.9, and 1.2.12.
- (b) The Operator shall not engage in any transaction, activity or conduct that would result in a conflict of interest under the Agreement. The Operator represents that it has disclosed any and all current or potential conflicts of interest. A conflict of interest shall include transactions, activities or conduct that would affect the judgment, actions or work of the Operator by placing the Operator's own interests, or the interests of any party with whom the Operator has a contractual arrangement, in conflict with those of the City. The City, in its sole discretion, will determine the existence of a conflict of interest and may terminate the Agreement in the event it determines a conflict exists, after it has given the Operator written notice describing the conflict.

Section 14.18 No Employment of Illegal Aliens to Perform Work Under the Agreement

- (a) This Agreement is subject to Division 5 of Article IV of Chapter 20 of the Denver Revised Municipal Code, and any amendments (the "Certification Ordinance").
- (b) The Operator certifies that:
 - i. At the time of its execution of this Agreement, it does not knowingly employ or contract with an illegal alien who will perform work under this Agreement.
 - ii. It will participate in the E-Verify Program, as defined in § 8-17.5-101(3.7), C.R.S., to confirm the employment eligibility of all employees who are newly hired for employment to perform work under this Agreement.
- (c) The Operator also agrees and represents that:
 - i. It shall not knowingly employ or contract with an illegal alien to perform work under the Agreement.
 - ii. It shall not enter into a contract with a sub-consultant or subcontractor that fails to certify to the Operator that it shall not knowingly employ or contract with an illegal alien to perform work under the Agreement.
 - iii. It has confirmed the employment eligibility of all employees who are newly hired for employment to perform work under this Agreement, through participation in either the E-Verify Program.

- iv. It is prohibited from using either the E-Verify Program procedures to undertake pre-employment screening of job applicants while performing its obligations under the Agreement, and that otherwise requires the Operator to comply with any and all federal requirements related to use of the E-Verify Program including, by way of example, all program requirements related to employee notification and preservation of employee rights.
 - v. If it obtains actual knowledge that a sub-consultant or subcontractor performing work under the Agreement knowingly employs or contracts with an illegal alien, it will notify such sub-consultant or subcontractor and the City within three (3) days. The Operator will also then terminate such sub-consultant or subcontractor if within three (3) days after such notice the sub-consultant or subcontractor does not stop employing or contracting with the illegal alien, unless during such three-day period the sub-consultant or subcontractor provides information to establish that the sub-consultant or subcontractor has not knowingly employed or contracted with an illegal alien.
 - vi. It will comply with any reasonable request made in the course of an investigation by the Colorado Department of Labor and Employment under authority of § 8-17.5-102(5), C.R.S., or the City Auditor, under authority of D.R.M.C. 20-90.3.
- (d) The Operator is liable for any violations as provided in the Certification Ordinance. If Operator violates any provision of this section or the Certification Ordinance, the City may terminate this Agreement for a breach of the Agreement. If the Agreement is so terminated, the Operator shall be liable for actual and consequential damages to the City. Any such termination of a contract due to a violation of this section or the Certification Ordinance may also, at the discretion of the City, constitute grounds for disqualifying Operator from submitting bids or proposals for future contracts with the City.

Section 14.19 Electronic Signatures and Electronic Records

Operator consents to the use of electronic signatures by the City. The Agreement, and any other documents requiring a signature hereunder, may be signed electronically by the City in the manner specified by the City. The Parties agree not to deny the legal effect or enforceability of the Agreement solely because it is in electronic form or because an electronic record was used in its formation. The Parties agree not to object to the admissibility of the Agreement in the form of an electronic record, or a paper copy of an electronic document, or a paper copy of a document bearing an electronic signature, on the ground that it is an electronic record or electronic signature or that it is not in its original form or is not an original.

Section 14.20 Disputes

All disputes between the City and Operator arising out of or regarding the Agreement will be resolved by administrative hearing pursuant to the procedure established by D.R.M.C. § 5-17. For the purposes of that administrative procedure, the City official rendering a final determination shall be the Manager as defined in this Agreement.

Section 14.21 Governing Law; Venue

- (a) The Agreement will be construed and enforced in accordance with applicable federal law, the laws of the State of Colorado, and the Charter, Revised Municipal Code, ordinances, regulations and Executive Orders of the City and County of Denver, which are expressly incorporated into the Agreement. Unless otherwise specified, any reference to statutes, laws, regulations, charter or code provisions, ordinances, executive orders, or related memoranda, includes amendments or supplements to same. Venue for any legal action relating to the Agreement will be in the District Court of the State of Colorado, Second Judicial District.
- (b) This Agreement is in all respects subject and subordinate to any and all City bond ordinances applicable to the Denver Municipal Airport System and to any other bond ordinances which amend, supplement, or replace such bond ordinances.

Section 14.22 Compliance with all Laws

Operator shall perform or cause to be performed all services in full compliance with all applicable laws, rules, regulations and codes of the United States, the State of Colorado; and with the Charter, ordinances, rules, regulations and Executive Orders of the City and County of Denver, including all Denver International Airport Rules and Regulations.

Section 14.23 Legal Authority

Operator represents and warrants that it possesses the legal authority, pursuant to any proper, appropriate and official motion, resolution or action passed or taken, to enter into the Agreement. Each person signing and executing the Agreement on behalf of Operator represents and warrants that he has been fully authorized by Operator to execute the Agreement on behalf of Operator and to validly and legally bind Operator to all the terms, performances and provisions of the Agreement. The City shall have the right, in its sole discretion, to either temporarily suspend or permanently terminate the Agreement if there is a dispute as to the legal authority of either Operator or the person signing the Agreement to enter into the Agreement.

Section 14.24 No Construction Against Drafting Party

The parties and their respective counsel have had the opportunity to review the Agreement, and the Agreement will not be construed against any party merely because any provisions of the Agreement were prepared by a particular party.

Section 14.25 Order of Precedence

In the event of any conflicts between the language of the Agreement and the exhibits, the language of the Agreement controls.

Section 14.26 Intellectual Property Rights

The City and Operator intend that all property rights to any and all materials, text, logos, documents, booklets, manuals, references, guides, brochures, advertisements, music, sketches, plans, drawings, prints, photographs, specifications, software, data, products, ideas, inventions, and any other work or recorded information created by the Operator and paid for by the City pursuant to this Agreement, in preliminary or final form and on any media whatsoever (collectively, "Materials"), shall belong to the City. The Operator shall disclose all such items to the City. To the extent permitted by the U.S. Copyright Act, 17 USC § 101, *et seq.*, the Materials are a "work made for hire" and all ownership of copyright in the Materials shall vest in the City at the time the Materials are created. To the extent that the Materials are not a "work made for hire," the Operator (by this Agreement) sells, assigns and transfers all right, title and interest in and to the Materials to the City, including the right to secure copyright, patent, trademark, and other intellectual property rights throughout the world and to have and to hold such rights in perpetuity.

Notwithstanding anything herein to the contrary, Operator retains all rights to its intellectual property existing prior to the date of execution of this Agreement. Operator's intellectual property rights to its equipment, products, software, and business methods will not be conveyed under this Agreement, regardless of the time of creation. Only intellectual property rights in the work product of Operator generated in performance of this Agreement will be conveyed to the City.

Section 14.27 Survival of Certain Provisions

The terms of the Agreement and any exhibits and attachments that by reasonable implication contemplate continued performance, rights, or compliance beyond expiration or termination of the Agreement survive the Agreement and will continue to be enforceable. Without limiting the generality of this provision, the Operator's obligations to provide insurance and to indemnify the City will survive for a period equal to any and all relevant statutes of limitation, plus the time necessary to fully resolve any claims, matters, or actions begun within that period.

Section 14.28 Advertising and Public Disclosure

The Operator shall not include any reference to the Agreement or to services performed pursuant to the Agreement in any of the Operator’s advertising or public relations materials without first obtaining the written approval of the Manager. Any oral presentation or written materials related to services performed under the Agreement will be limited to services that have been accepted by the City. The Operator shall notify the Manager in advance of the date and time of any presentation. Nothing in this provision precludes the transmittal of any information to City officials. Nothing herein, however, shall preclude the Operator’s use of this contract and its components parts in GSA form 254 or 255 presentations, or the transmittal of any information to officials of the City including without limitation, the Mayor, the Manager, any members of City Council, and the Auditor.

Section 14.29 Contract Documents; Order of Precedence

This Agreement consists of Articles I through XIV, which precede the signature page, and the following attachments, which are incorporated herein and made a part hereof by reference:

- Appendix No. 1 Standard Federal Assurances
- Exhibit A Scope of Work
- Exhibit B Rates of Pay
- Exhibit C Insurance Requirements
- Exhibit D Performance Bond
- Exhibit E Select Portions of Vanderlande’s Proposal
- Exhibit F Prevailing Wage Rate Schedule

In the event of an irreconcilable conflict between a provision of Articles I through XIV and the listed attachments, or between provisions of any attachments, such that it is impossible to give effect to both, the order of precedence to determine which provision shall control to resolve such conflict, is as follows, in descending order:

- Appendix No. 1
- Articles I through XIV
- Exhibit A
- Exhibit F
- Exhibit B
- Exhibit E
- Exhibit D
- Exhibit C

Section 14.30 City Execution of Agreement

The Agreement will not be effective or binding on the City until it has been fully executed by all required signatories of the City and County of Denver, and if required by Charter, approved by the City Council.

REMAINDER OF PAGE INTENTIONALLY LEFT BLANK

Contract Control Number:

IN WITNESS WHEREOF, the parties have set their hands and affixed their seals at Denver, Colorado as of

SEAL

CITY AND COUNTY OF DENVER

ATTEST:

By _____

APPROVED AS TO FORM:

REGISTERED AND COUNTERSIGNED:

By _____

By _____

By _____



IN WITNESS WHEREOF, the parties hereunto set their hands and affixed their seals at Denver, Colorado as of the day on the City's signature page.

Contract Control Number: 201204994

Vendor Name: VANDERLANDE INDUSTRIES INC.

By:  _____

Name: EWOUTCASSEE
(please print)

Title: PRESIDENT
(please print)

ATTEST: [if required]

By:  _____

Name: Ken Lawson
(please print)

Title: Director of Sales, Customer Services
(please print)



APPENDIX NO. 1

STANDARD FEDERAL ASSURANCES AND NONDISCRIMINATION

NOTE: As used below the term "contractor" shall mean and include the Operator, and the term "sponsor" shall mean the "City".

During the term of this contract, the contractor, for itself, its assignees and successors in interest (hereinafter referred to as the "contractor") agrees as follows:

1. **Compliance with Regulations.** The contractor shall comply with the Regulations relative to nondiscrimination in federally assisted programs of the Department of Transportation (hereinafter "DOT") Title 49, Code of Federal Regulations, Part 21, as they may be amended from time to time (hereinafter referred to as the Regulations), which are herein incorporated by reference and made a part of this contract.
2. **Nondiscrimination.** The contractor, with regard to the work performed by it during the contract, shall not discriminate on the grounds of race, creed, color, sex, national origin in the selection and retention of subcontractors, including procurements of materials and leases of equipment. The contractor shall not participate either directly or indirectly in the discrimination prohibited by section 21.5 of the Regulations, including employment practices when the contract covers a program set forth in Appendix B of the Regulations.
3. **Solicitations for Subcontractors, Including Procurements of Materials and Equipment.** In all solicitations either by competitive bidding or negotiation made by the contractor for work to be performed under a subcontract, including procurements of materials or leases of equipment, each potential subcontractor or supplier shall be notified by the contractor of the contractor's obligations under this contract and the Regulations relative to nondiscrimination on the grounds of race, color, or national origin.
4. **Information and Reports.** The contractor shall provide all information and reports required by the Regulations or directives issued pursuant thereto and shall permit access to its books, records, accounts other sources of information, and its facilities as may be determined by the sponsor or the Federal Aviation Administration (FAA) to be pertinent to ascertain compliance with such Regulations, orders, and instructions. Where any information required of a contractor is in the exclusive possession of another who fails or refuses to furnish this information, the contractor shall so certify to the sponsor of the FAA, as appropriate, and shall set forth what efforts it has made to obtain the information.
5. **Sanctions for Noncompliance.** In the event of the contractor's noncompliance with the nondiscrimination provisions of this contract, the sponsor shall impose such contract sanctions as it or the FAA may determine to be appropriate, including, but not limited to:
 - a. Withholding of payments to the contractor under the contract until the contractor complies, and/or
 - b. Cancellation, termination, or suspension of the contract, in whole or in part.
6. **Incorporation of Provisions.** The contractor shall include the provisions of paragraphs 1 through 5 in every subcontract, including procurements of materials and leases of equipment, unless exempt by the Regulations or directives issued pursuant thereto. The contractor shall take such action with respect to any subcontract or procurement as the sponsor or the FAA may direct as a means of enforcing such provisions including sanctions for noncompliance. Provided, however, that in the event a contractor becomes involved in, or is threatened with, litigation with a subcontractor or supplier as a result of such direction, the contractor may request the sponsor to enter into such litigation to protect the interests of the sponsor and, in addition, the contractor may request the United States to enter into such litigation to protect the interests of the United States.
7. The Operator for itself, representatives, successors in interest, and assigns, as a part of the consideration hereof, does hereby covenant and agree as a covenant running with the land that in the event facilities are

constructed, maintained, or otherwise operated on the said property described in this agreement for a purpose for which a DOT program or activity is extended or for another purpose involving the provision of similar services or benefits, the Operator shall maintain and operate such facilities and services in compliance with all other requirements imposed pursuant to 49 CFR Part 21, Nondiscrimination in Federally Assisted Programs of the Department of Transportation, and as said Regulations may be amended.

8. The Operator for itself, representatives, successors in interest, and assigns, as a part of the consideration hereof, does hereby covenant and agree as a covenant running with the land: (1) that no person on the grounds of race, color, sex, creed or national origin shall be excluded from participation in, denied the benefits of, or be otherwise subjected to discrimination in the use of said facilities, (2) that in the construction of any improvements on, over, or under such land and the furnishing of services thereon, no person on the grounds of race, color, sex, creed or national origin shall be excluded from participation in, denied the benefits of, or otherwise be subjected to discrimination, (3) that the Operator shall use the premises in compliance with all other requirements imposed by or pursuant to 49 CFR Part 21, Nondiscrimination in Federally Assisted Programs of the Department of Transportation, and as said Regulations may be amended.

9. NONDISCRIMINATION IN AIRPORT EMPLOYMENT OPPORTUNITIES

The Operator assures that it will comply with pertinent statutes, Executive Orders and such rules as are promulgated to assure that no person shall, on the grounds of race, creed, color, national origin, sex, age, or handicap be excluded from participating in any activity conducted with or benefiting from Federal assistance.

It is unlawful for airport operators and their lessees, tenants, concessionaires and contractors to discriminate against any person because of race, color, national origin, sex, creed, or handicap in public services and employment opportunities.

PROJECT MANUAL



DENVER
INTERNATIONAL
AIRPORT

CONTRACT NO.
201204994

Exhibit A

Scope of Service

Issued for Bid January 2012

CITY & COUNTY OF DENVER
DEPARTMENT OF AVIATION

SCOPE OF SERVICE
Contract No. 201204994

TABLE OF CONTENTS

TS	Page
OPERATION & MAINTENANCE REQUIREMENTS	1
TS-1. INTRODUCTION	1
TS-2. ACRONYMS AND DEFINITIONS	1
TS-3. AIRPORT OPERATIONS	4
TS-4. SCOPE OF WORKS	5
4.1. General	5
4.2. BHS Configuration	6
4.3. Exclusions to Scope of Works	12
TS-5. QUALITY ASSURANCE	12
TS-6. STAFFING/MANPOWER REQUIREMENTS	13
6.1. General	13
6.2. Key Personnel	15
6.3. Keys and Access Devices	15
6.4. Uniforms	15
6.5. Substitution of Employees	16
6.6. Minimum Staffing Levels	16
6.7. Staff Deficiencies	17
6.8. On-Site Administration Staff	17
6.9. On-Site Support Personnel	20
TS-7. SAFETY	27
7.1. Safety and Cleanliness	27
7.2. Safety Officer	28
7.3. Safe Work Practices and Procedures (SWPP).	28
7.4. Contractor Emergency Plan	29
TS-8. POWER OUTAGES	29
TS-9. KEY PERFORMANCE INDICATORS (KPI'S)	29
9.1. General	29
9.2. Failures	30
9.3. Availability	30

9.3.2.	Calculation	31
9.4.	Bag Identification	31
9.5.	Tracking Accuracy	31
9.5.1.	General	31
9.5.2.	Calculation	32
9.6.	Mean Time to Repair (MTTR)	32
9.7.	Operation	32
9.8.	Maintenance	32
9.9.	Failure to Meet KPI	32
9.10.	Deductions for Non-Performance or Sub-Standard Performance	33
TS-10.	BAGGAGE OPERATIONS	35
10.1.	General	35
10.2.	Operational Tasks	36
10.3.	Inspections	37
10.4.	Manual Bag Handling	37
10.5.	Records	38
10.6.	Meetings	38
10.7.	Bag Security Screening	38
10.8.	Control Room Activities	39
10.9.	Bag Clearing	42
TS-11.	BAGGAGE SYSTEM MAINTENANCE	43
11.1.	General Responsibilities	43
11.2.	Standard Maintenance Procedures (SMP)	44
11.3.	Maintenance Inspections Activities	46
11.4.	Prevention of Bag Damage Activities	47
11.5.	Maintenance Coordination	47
11.6.	Maintenance Tools and Equipment	47
11.7.	Preventative Maintenance (PM)	48
11.8.	Scheduled Corrective Maintenance	50
11.9.	Unscheduled Corrective Maintenance	50
11.10.	Vehicles	51
TS-12.	COMPUTERIZED MAINTENANCE MANAGEMENT SOFTWARE (CMMS)	52
TS-13.	SPARE PARTS	52
13.1.	General	52

13.2.	City Supplied Spare Parts	54
13.3.	Equipment under Warranty	54
TS-14.	CONSUMABLES	54
TS-15.	RECORD KEEPING	55
TS-16.	REPORTING	55
16.1.	General	55
16.2.	Daily Reports	56
16.3.	Weekly Reports	57
16.4.	Monthly Reports	57
16.5.	Quarterly Reports	61
16.6.	Bi-Annually Reports	63
16.7.	Annual reports	63
16.8.	Reports as required	65
TS-17.	TRAINING	68
TS-18.	COMMUNICATION	70
18.1.	General	70
18.2.	Communication with the City	71
18.3.	Communication with Contractor	71
TS-19.	FACILITIES	72
19.1.	Contractor's Responsibilities	72
19.2.	The City's Responsibilities	73
19.3.	Parking	73
19.4.	Contractor Activities Upon Notice of Termination	74
19.5.	Protection of Property	75
TS-20.	INSPECTIONS	76
20.1.	Site inspections	76
TS-21.	MODIFICATIONS	77
21.1.	General	77
21.2.	Contents of Emergency BHS Change Report	77
21.3.	Request for BHS Modifications	78
21.4.	Request for Additional Services	79
TS-22.	TITLES AND WARRANTIES	80
22.1.	Transfer of Title	80
22.2.	Warranty Requirements	81

APPENDIX A FACILITIES MAP	82
Contractor Facilities	82
BHS Layout	82
APPENDIX B: CITY SPARE PARTS	82
APPENDIX C: BHS INVENTORY	82
APPENDIX D: BHS EQUIPMENT LISTING (MANIFEST)	82
APPENDIX E: SUPPORT CONTRACTS	82
BSM support with ARINC	82
Software Development Kit support with Faircom	82
Virus protection support and updates with Symantec	82
Server Hardware support	83
APPENDIX F: EXECUTIVE ORDER NO. 94 (DRUG & ALCOHOL POLICY)	84
APPENDIX G: REPORT SAMPLES	86

TABLE OF FIGURES

TS	Page
Figure 1, Acronyms and Definitions	1
Figure 2, Minimum Staffing Levels	17
Figure 3, Availability Calculation	31
Figure 4, Tracking Performance Calculation.....	32
Figure 5, Payment Deductions.....	34
Figure 6, Official Point of Contact	71
Figure 7, Supplementary Points of Contact	71

Operation & Maintenance Requirements

TS-1. INTRODUCTION

- 1.1. This document provides the Contractor with the performance specifications/criteria, the minimal functional requirements to be maintained and the minimum standards of quality for the Operations and Maintenance (O&M) of the inbound and outbound baggage system (BHS) at Denver International Airport (the Airport).
- 1.2. The BHS shall be operated by the Contractor to the highest standard and shall be maintained on a Preventative Maintenance basis such that the BHS can provide Airlines/Carriers at the Airport with sufficient service to enable unimpeded operation.

TS-2. ACRONYMS AND DEFINITIONS

Figure 1, Acronyms and Definitions

The following acronyms and definitions are used throughout the document.

Definition	Explanation of Definition or Abbreviation
AA	IATA designation for American Airlines.
Airlines	Refers to entities/companies which operate flights and/or services from the Airport, synonymous with Carrier.
Airport	Denver International Airport located in the City and County of Denver, State of Colorado, United States of America.
BHS	“BHS” , “Baggage Handling System” or “Baggage Handling Facilities” means the City’s baggage handling system facilities at the Airport, as described in this Contract, and as such facilities are modified from time to time during the term hereof. Includes all aspects of baggage system inclusive of Ticketing, CBIS, Makeup and Claim areas.
BMA	Baggage Measuring Array.
BSM	Baggage Source Messages. An electronic message between a Carrier Host/Reservation system and the BHS.
Canadian load point	Designated load points in the BHS where baggage (typically from Canada) which requires EDS screening can be loaded on Level 3 of the Garages in Modules 2West and 3West.
Carrier	Synonymous with Airline.
CBIS	Checked Baggage Inspection System. A portion of the BHS responsible for security screening.
CCD	The City and County of Denver.
City	The City and County of Denver, Department of Aviation, or any governmental agency succeeding such entity in its role as operator of the Airport.

Definition	Explanation of Definition or Abbreviation
CM	Corrective Maintenance. A task or set of tasks to adjust, repair, maintain and/or replace components in order to avoid an unexpected failure.
CMF	Central Monitoring Facility in the Terminal L6 where TSA monitor and direct BHS security screening operations 24/7.
CMMS	Computerized Maintenance Management System.
Contracting Airline	An airline that is party to an Airport use and Facilities lease agreement [or license].
Contractor	A qualified and duly licensed independent Contractor, who is contracted by the City to operate and maintain the BHS as set forth in the Contract Documents.
Contractor Employee	“Contractor employee” or “Contractor personnel” shall include employees and personnel of the Contractor and sub-contractors, if any.
Control room	Area where BHS operations are monitored and directed, Terminal L6 inclusive with CMF.
Curbside	Designated areas immediately adjacent to the Terminal where passenger baggage is loaded into the BHS.
Demand	An operational requirement imposed on any part of the BHS to process baggage.
DEN	IATA airport code for DIA (the Airport).
DIA	Denver International Airport, synonymous with DEN (the Airport).
EDS	Explosive Detection System, TSA furnished and maintained checked baggage screening equipment.
EOB	End of Business, the time when normal business on a working day concludes, assumed to be 17:00hrs Monday to Friday excluding City published holidays unless otherwise stated.
F9	IATA designation for Frontier Airlines.
FIDS	Flight Information Display System. A mechanism to display flight information at the Airport in real time.
Fiscal Year	January 1 through December 31 of any year or such other fiscal year as the City may adopt for the Airport.
Fallback	Methods and procedures to be implemented during events which effect operations.
GSM	SCADA reporting the status of Modules 3E.
GUI	Graphical User Interface.
Housekeeping	General cleanup duties, either within the BHS work area or software systems to ensure efficient operations.
HSD	High Speed Diverter. An electro-mechanical device for automatically directing baggage to an alternative route.

Definition	Explanation of Definition or Abbreviation
KPI	Key Performance Indicators. Methods used to determine benchmarks for performance.
L3	Level 3 floor designation of either the Terminal or adjacent parking garages.
L5	Level 5 floor designation of the Terminal.
L6	Level 6 floor designation of the Terminal.
MSP	Motor Starter Protector. An electro-mechanical device intended to disconnect power to a motor in the event of a fault and/or overload condition.
MDI	Morpho Detection Incorporated, a TSA contractor responsible for operation and maintenance of Government supplied EDS screening equipment.
MTTR	Mean Time to Repair.
OEM	Original Equipment Manufacturer.
Operator	Synonymous with Contractor.
Operation and Maintenance Manuals	Manuals that were delivered to the City for the design, installation, start-up, operation and maintenance of the BHS.
Person(s)	Any natural person, firm, partnership, corporation, government body or other legal entity.
PM	Preventative Maintenance. A regularly scheduled task or set of tasks to inspect equipment, adjust, repair, maintain and/or replace so as to ensure no unexpected failures.
PMP	Preventative Maintenance Plan. A description and timeline of methods and procedures of tasks to be performed for maintenance. Synonymous with Preventative Maintenance Schedule (PMS).
PMS	Preventative Maintenance Schedule. Synonymous with Preventative Maintenance Plan.
PPE	Personal Protection equipment.
Putty	A Windows based software interface emulation to allow user interface (UI) access to Unix based systems.
SCADA	Supervisory Control and Data Acquisition software.
Service Contract	The Operation, Maintenance and Management contract, in effect between the Contractor and the City as amended, revised, or replaced from time to time, providing for the operation, maintenance and management of the BHS.
Scheduled Maintenance	Synonymous with Preventative Maintenance
SMS	Short Message Service, a text based form of communications sent from a

Definition	Explanation of Definition or Abbreviation
	telephone.
SOW	Scope of Work synonymous with Scope of Service
SOP	Standard Operating Procedure. Written documents detailing the correct methods and procedures to complete a task.
Stakeholders	Shall include the City, TSA and Carriers/Airlines operating at DEN as well as other parties with an interest in BHS operations and Maintenance.
Start Date	Means commencement date of this Contract (March 1, 2012).
SSI	Security Sensitive Information controlled by USC 552 and 49 CFR parts 15 and 1520.
Sub-contract	Means all sub-contracts entered into by the Contractor with any supplier or sub-supplier of materials, furnisher of services or any labor organization that may perform any labor or service in connection with this Contract.
Sub-supplier	Means Person hired by Contractor to act as agents or independent contractors in connection with the operation and maintenance of the BHS.
SkyCaps	Personnel who provide assistance to the Carrier/Airline or their customers in moving baggage.
SWPP	Safe Work Practices and Procedures.
Tampering	Unauthorized work performed by any person or persons under the control of the contractor or whom should be under the control of the contractor. including any work which effects the operation of the BHS in any way.
Ticketing	Designated areas in the Terminal where passenger baggage is loaded into the BHS.
TS	Technical Specification (this document) synonymous with Scope of Service and Scope of Work.
TSA	Transportation Security Administration.
UAL	United Airlines
UI	User Interface.
UNIX	A real time computer based Operating System.
USD	Unites States Dollars
WinCC	Advanced SCADA reporting the status of Modules, 1E, 2E, 1W, 2W, 3W and FIS.
Windows	A registered trademark of Microsoft Corporation representing various computer based software Operating Systems.

TS-3. AIRPORT OPERATIONS

- 3.1. The Airport is a 24/7 airport with capability to process flights, passengers and baggage at any time of day through all weather conditions. The Airport serves in excess of 50 million passengers annually.

- 3.2. With respect to the BHS the Contractor shall ensure that the Airport operates as a 24/7 airport and shall ensure that staffing is adequate to ensure uninterrupted service to the Airlines/Carriers operating at the Airport.
- 3.3. The Contractor shall coordinate System cleanup with the Carrier/Airline flight schedule and configure data clean-up of the BHS servers in order to minimize disruption to operations.
- 3.4. The Contractor shall furnish all services impartially to all users of the Airport and shall not favor any Airline/Carrier or Itinerant User.

TS-4. SCOPE OF WORKS

4.1. GENERAL

- 4.1.1. The Contractor shall in a good, safe and efficient manner operate all portions of the BHS from the point where baggage is loaded into the BHS by the Airline/Carrier or Passenger to the final point where the baggage is unloaded by the Airline/Carrier or Passenger, inclusive of all BHS equipment in between including load/unload areas, Make-up/Claim areas and TSA inspection areas. The BHS shall be kept in a sanitary and sightly condition at all times.
- 4.1.2. The Contractor shall provide, manage, supervise and train all personnel required to perform the operations and maintenance at the minimum service standard defined in the Contract and monitored through the Key Performance Indicators (KPI). All materials, equipment, consumables and services required to achieve and maintain the KPIs shall be included and provided by the Contractor. The Contractor shall schedule, maintain, monitor and operate the BHS in accordance with the terms and provisions of this Contract.
- 4.1.3. The Contractor shall ensure that operations personnel are stationed in areas within the BHS where personnel can adequately respond to operational problems such that the defined KPIs of the Contract are maintained.
- 4.1.4. The Contractor shall maintain the BHS on a preventative maintenance basis in a safe and efficient manner such that equipment is inspected regularly and changed/repared prior to actual failure so that equipment operates continuously without unexpected failure. The Contractor shall provide all labor, procure spare parts, materials and consumables to promptly repair and/or replace all damaged or defective parts, components or materials should equipment fail despite the preventive maintenance efforts.
- 4.1.5. The Baggage Handling System shall mean collectively all structures, improvements, facilities, equipment, inventories, conveyors, controls components, control systems, computers, computer systems, software, networks, systems, spare parts, radios, tools and other components or equipment used for transporting normal and over-size baggage located within the airport terminal building and associated terminal garage structures at the Airport, inclusive of, but not limited to the following;

1. Ticketing, Lobby and curbside.

2. Conveyors.
 3. Lift devices.
 4. Totes and tote conveyors.
 5. Powered and non-powered doors for security, fire protection or other function.
 6. Baggage make-up devices.
 7. Baggage claim devices.
 8. Ski claim devices.
 9. Motor control panels.
 10. Power distribution panels.
 11. Operator stations.
 12. Controls devices.
 13. Baggage tag scanners.
 14. Baggage Measuring Array (BMA)
 15. High Speed Diverters.
 16. Computers, servers, Workstations, Field Monitoring stations and Video wall.
 17. Networks, Ethernet TCP/IP, ControlNet, ProfiBus and Serial RS232/RS422.
 18. Monitoring and fault annunciation (SCADA).
- 4.1.6. The Contractor shall maintain and manage the Spare Parts Storage to ensure adequate Spare Parts are on hand at all times for preventative and corrective maintenance.
- 4.1.7. The Contractor shall be responsible for complete and accurate record keeping and shall maintain a good record keeping methodology so that information of the BHS operation, performance and reliability can be readily and easily identified and reported.
- 4.1.8. The Contractor shall provide reports of the operation as well as the maintenance as required by the City.
- 4.1.9. The Contractor shall ensure that all personnel working on the BHS comply with the Airport's security and safety requirements.

4.2. BHS CONFIGURATION

- 4.2.1. The equipment in the field consists of seven (7) separate BHS modules, each module capable of operating independently from each other. Some modules have interconnecting conveyor systems so that multiple modules can operate as a single BHS (e.g. modules 2West and 3West).
- 4.2.2. Some modules have interconnecting conveyor lines to allow baggage to be transported between modules in the event of a serious incident where baggage cannot be routed to the make-up area or screening capability is compromised (e.g. module 1East and Module 2East to Module 3East).

4.2.3. THE CAPACITY OF EACH OUTBOUND BHS MODULE

- A. Each Module has 2,000 bags per hour capacity based on five (5) installed CTX9000 EDS machines with capacity to expand to a total of eight (8) EDS machines.

- B. Conveyor expansion capacity for the EDS screening lines is existing and in place and shall be maintained.
- C. During acceptance testing, each module was capable of processing 2,100 bags within a 1 hour period. The Contractor shall ensure that each module on an annual basis can pass a similar throughput test, if so required by the City.
- D. FIS has capacity for only two (2) EDS machines with capacity to expand to a total of four (4) EDS machines. Current capability based on installed EDS machines is 900 bags per hour.

4.2.4. CURRENT PEAK OUTBOUND OPERATIONS

- A. Current operating peak hour per module is as high as one thousand four hundred (1,400) bags. In the past, peak hour of as high as one thousand seven hundred fifty (1,750) bags has been seen.
- B. Current operating throughput per module ranges from four thousand (4,000) bags per day to eleven thousand (11,000) bags per day. In the past as many as fourteen thousand five hundred (14,500) bags per day have been seen.
- C. Certain parts of the BHS that were installed in 1995 when the airport opened remain operating, approximately twenty percent (20%). The remaining eighty percent (80%) of the BHS was installed during the screening system upgrades completed in 2003 through 2006.

4.2.5. TIMELINE OF EQUIPMENT

- A. Module 3E came on line in 2003.
- B. Modules 1E, 2E and 1W came on line in 2004.
- C. Module 2W, 3W and FIS came on line in 2005.
- D. Equipment across the BHS varies. Original equipment from 1995 consists of Portec, BAE, Sterns, Rapistan, Transnorm, PFlow, Overhead and Vineaux, while the screening system upgrade installed between 2003 and 2006 utilized some of the original equipment, the remainder was installed by Siemens consisting of Siemens and Transnorm equipment.
- E. Refer to Appendix D: BHS Equipment Listing (Manifest) below for a complete list of all conveyors, while the following sections will give a general description of each module.

4.2.6. MODULE 1EAST

1. Outbound from Ticketing (L6 Lobby, L6 Curbside and L5 Curbside) through screening to the Make-up area (Garage L3).
2. Interlinking TX line allowing baggage to be transported between Modules 1East and 3East for redundancy.
3. Inbound from the loading areas (Terminal L3) to the passenger

Claim area (Terminal L5).

4. Odd-size Outbound from Ticketing (Terminal L6, L6 Curbside and L5 Curbside) through the designated TSA inspection area to the Airline/Carrier collection area (Garage L 3).
5. Odd-size Inbound from the loading areas (Terminal L3) to the passenger Claim areas (Terminal L5).

4.2.7. MODULE 2EAST

1. Outbound from Ticketing (L6 Lobby, L6 Curbside and L5 Curbside) through screening to the Make-up area (Garage L3).
2. Interlinking TX line allowing baggage to be transported between Modules 2East and 3East for redundancy.
3. Inbound from the loading areas (Terminal L3) to the passenger Claim area (Terminal L5).
4. Odd-size Outbound from Ticketing (Terminal L6, L6 Curbside and L5 Curbside) through the designated TSA inspection area to the Airline/Carrier collection area (Garage L3).
5. Odd-size Inbound from the loading areas (Terminal L3) to the passenger Claim area (Terminal L5).

4.2.8. MODULE 3EAST

1. Outbound from Ticketing (L6 Lobby, L6 Curbside and L5 Curbside) through screening to the Make-up area (Terminal L3).
2. Interlinking TX line allowing baggage to be transported between Modules 1East/2East and 3East for redundancy.
3. Inbound from the loading areas (Terminal L3) to the passenger Claim area (Terminal L5).
4. Odd-size Outbound from Ticketing (Terminal L6, L6 Curbside and L5 Curbside) to the designated TSA inspection area (Terminal L3).
5. Odd-size Inbound from the loading areas (Terminal L3) to the passenger Claim area (Terminal L5).

4.2.9. MODULE 1WEST

1. Outbound from Ticketing (L6 Lobby, L6 Curbside and L5 Curbside) through screening to the Make-up area (Garage L3).
2. Inbound from the loading areas (Terminal L3) to the passenger Claim area (Terminal L5).
3. Odd-size Outbound from Ticketing (Terminal L6, L6 Curbside and L5 Curbside) through the designated TSA inspection area to the Airline/Carrier collection area (Garage L3).
4. Odd-size Inbound from the loading areas (Terminal L3) to the

passenger Claim area (Terminal L5).

4.2.10. MODULE 2WEST

1. Outbound from Ticketing (L6 Lobby, L6 Curbside and L5 Curbside) and Canadian load points (Garage L3) through screening to the Make-up area (Garage L3).
2. Interlinking crossover lines allowing baggage to be transported between 2West and 3West for normal operations before and after EDS screening.
3. Inbound from the loading areas (Terminal L3) to the passenger Claim area (Terminal L5).
4. Odd-size Outbound from Ticketing (L6 Lobby, L6 Curbside and L5 Curbside) through the designated TSA inspection areas and to the make-up area (Terminal L3).
5. Odd-size inbound from the loading areas (Terminal L3) to the passenger Claim area (Terminal L5).
6. Pet lift.

4.2.11. MODULE 3WEST

1. Outbound from Ticketing (L6 Lobby, L6 Curbside and L5 Curbside) and Canadian load points (Garage L3) through screening to the Make-up area (Garage L3).
2. Interlinking crossover lines allowing baggage to be transported between 2West and 3West for normal operations.
3. Inbound from the loading areas (Terminal L3) to the passenger Claim area (Terminal L5).
4. Pet lift.

4.2.12. MODULE FIS (FEDERAL INSPECTION SYSTEMS).

1. Outbound from Ticketing (Terminal L5) and Mitigation load point (Terminal L3) through screening to the Make-up area (Terminal L3).
2. Inbound from the loading areas (Terminal L3) to the passenger Claim area (Terminal L5).
3. Odd-size Outbound from Ticketing (Terminal L5) to the make-up areas Terminal L3).
4. Odd-size inbound from the loading areas (Terminal L3) to the passenger Claim areas (Terminal L5).

4.2.13. EQUIPMENT NOT IN SERVICE

- A. The following list indicates equipment that is currently not in service but is expected to be maintained and remain in an operational state as if the

equipment was in service;

1. Unused EDS screening lines which are not populated with EDS screening machines.
2. Unused Odd-size lines from the L6 lobby ticketing area to L5 in Modules 1E, 2E, 3E and 1W.

4.2.14. EQUIPMENT EXCLUDED FROM MAINTENANCE.

- A. The following equipment shall be excluded from the Contractors responsibility for maintenance, however these subsystems are valuable assets of the airport and the Contractor shall not use these subsystems as a repository of spare parts.
- B. Odd-size outbound lifts in Modules 2W & 3W (TO13, TO14 TO16, TO17 and TO18).
- C. Odd-size outbound in Module 2W on Terminal L6 (TO15). Equipment located on Terminal L6 required to operate equipment on Terminal L5 through Terminal L3 shall not be excluded.
- D. Unused portion of conveyors in Modules 2W and 3W.
 1. XC32-04 through XC32-09.
 2. 2WML-19 through 2WML-29.
 3. XC23-04 through XC23-16.
 4. 3WML-22 through 2WML-28.

4.2.15. CONTROL ROOM

- A. The BHS has a control room which contains the following equipment.
 1. Communication devices.
 2. Work stations.
 3. Servers.
 4. Printers.
 5. Video wall.
 6. BSM interface.

4.2.16. SERVER ROOM

- A. The BHS has a Server room that contains the following equipment;
 1. All BHS Servers.
 2. Sort Controller servers.
 3. Graphics and Web Navigator Servers.
 4. Unified Universal Interface server.
 5. VPN gateway.

6. Virus Protection Management server.
7. BSM gateway and Carrier Clients.
8. Network switches.
9. Network routers.
10. Databases.

4.2.17. BHS INTERFACES

- A. The BHS interfaces with Carrier/Airline Departure Control Systems (DCS) through which it obtains BSMs. The BSM interface consists of the following equipment;
 1. Two BSM gateways. The two operational gateways are two out of three possible gateways.
 2. Redundant Servers.
 3. Redundant Carrier interface connections for F9 and AA.
 4. Redundant support platform via modem.
- B. The City may during the execution of this contract install the third operational BSM gateway due to operational requirements from Carrier/Airlines and this equipment, if so installed and operational, shall become a component of the BHS included in this contract at no additional cost to the City.
- C. Other expansions to the system as required by the addition of Airline/Carrier interfaces shall become a component of the BHS included in this Contract at no additional cost to the City.
- D. The BHS contains a custom interface from a BSM gateway which provides baggage routing information for Modules 2W and 3W outbound baggage. The BSM gateway located in Concourse B is the responsibility of UAL, however fiber in the Terminal is part of the BHS.

4.2.18. SOFTWARE

- A. Under no circumstances shall the Contractor modify any software code including the code contained in any PLC's.
- B. The Contractor shall be responsible for uploading existing PLC code into the following PLC using software and hardware provided by the City as necessary to maintain operation due to loss of programs (e.g. power failure, data/program corruption, etc).
- C. Software to be Uploaded by Contractor
 1. Inbound Square-D Symax Processors.
 2. Odd-size Square-D Symax Processors
 3. Odd-size Allen Bradley PLC5.
 4. Odd-size Allen Bradley SLC500.
- D. All other software shall be maintained by the City's designated Third Party Company per § 4.3 below.

4.3. EXCLUSIONS TO SCOPE OF WORKS

- A. The Contractor should note that certain parts of the BHS are maintained by a Third Party Company appointed by the City and under direct contract with the Airport. The Contractor shall during daily operations work with and in cooperation with this Third Party Company.
- B. The following activities are performed by the Third Party Company.
 - 1. Area of Responsibility
 - a. PLC software (only PLC software is excluded from this Contract and the Contractor is responsible for all PLC hardware)
 - b. Servers hardware and software.
 - c. Operator workstations hardware and software.
 - d. Network hardware.
 - 2. Activities Covered by Third Party.
 - a. Check for free server disk space and manage disk drives accordingly.
 - b. Verify automatic anti-virus protection software scans on servers and workstations.
 - c. Periodically update virus protection definitions and engine/program as required to maintain protection.
 - d. Run complete back-ups on each of the server disks and workstations.
 - e. Periodically complete shutdown routines on each server to ensure that each server can recover from a power failure.
 - f. Ensure reports are operational and available to be run by operators.
 - g. Maintain archiving of old reports.
 - h. Ensure PLC code integrity is maintained in each PLC.
 - i. Ensure both primary and secondary PLC are operational.
 - j. Review daily operational logs and review any noted system issues with the Contractor.
 - k. As necessary collect, review and investigate data from EDS machines and its interface to the BHS to determine any discrepancy in data and reconcile differences.
 - l. Respond to requests for assistance by the Contractor in trouble-shooting problems with mechanical, electrical and control elements of the BHS that cannot be resolved by the Contractor in a timely manner.

TS-5. QUALITY ASSURANCE

- A. The Contractor shall ensure that a Quality Assurance plan is in place throughout the term of the Contract.
- B. The Contractor shall submit complete details of the Contractor's Quality Assurance plan to the City for review no later than thirty (30) days after commencement of operations and/or maintenance.

- C. The Contractor shall submit an updated plan to the City within seven (7) days of any changes being made to the Contractor's Quality Assurance plan.
- D. The Contractor shall ensure that all employees, sub-contractors and personnel under the control of the Contractor comply with the Contractor's Quality Assurance plan at all times.

TS-6. STAFFING/MANPOWER REQUIREMENTS

6.1. GENERAL

- A. The Contractor shall at all times perform its services under this Contract by means of providing adequately trained and competent technical, labor and supervisory personnel in sufficient numbers and classifications necessary to perform such services efficiently and in accordance with the Contract Documents.
- B. The Airport operates twenty-four (24) hours a day, all days of the year, with periods of high usage. The Contractor is responsible to provide adequate staffing for the operations at all times, including times of high usage such as holidays.
- C. The Contractor is fully responsible for providing staffing to properly operate all parts of the BHS, support the Airport and/or Airline/Carrier operations. The Contractor shall provide personnel as required by the flight schedules in effect during the term of this Contract. The Contractor accepts the fact that the flight schedule is subject to change.
- D. The Contractor shall ensure that all manpower is sufficiently trained in BHS operations, is competent and capable of attending to and resolving BHS problems such that downtime of the BHS is kept to a minimum and within the limitations defined in these specifications.
- E. The Contractor shall only use skilled, competent personnel, who are experienced and knowledgeable in BHS operations and maintenance.
- F. The Contractor shall develop and administer a program approved by the City, to verify that all operations and maintenance personnel complete and pass a physical and knowledge based examination prior to assigning personnel and allowing personnel to perform BHS duties.
- G. Each Contractor employee shall be fluent in speaking, reading and writing in the English language, at no less than the level required for competent and efficient performance of the duties of his or her position. The Contractor shall be responsible for the neat appearance, courtesy, efficiency and conduct of all the Contractor's personnel at all times.
- H. Contractor personnel shall be polite under all circumstances. Under no circumstance shall any employee or representative of the Contractor be loud or boisterous or use profane or abusive language on or about Airport property.
- I. The City may refuse to approve the Contractor's employment of any person to perform work at the Airport under this Contract, if such person

is deemed by the Contract Administrator to be unfit to carry out the duties of the position to which the Contractor intends to assign or has assigned such individual.

- J. The Contractor shall remove from the Airport work site any Contractor employee on, or invited by it onto, the Airport, when the Contract Administrator notifies the Contractor in writing that such person is;
 - 1. In the sole opinion of the Contract Administrator or his/her designee, incompetent, unfit or disorderly;
 - 2. Or has used profane or abusive language or behavior to a patron, to any person employed at the Airport, or to any member of the public. Such person shall not be reassigned to Airport work by the Contractor, except with the expressed written consent of the Contract Administrator or his/her designee.
- K. Credentials for all Site Managers, Office Managers, Supervisors, Safety Officers and Controls Systems Technicians shall be submitted to City for review and approval. Only after such written approval is received by the Contractor from the City shall the individuals be assigned to the workforce. The City reserves the right to perform formal in-person interviews prior to issuing approval, all costs associated with such interviews to be at the Contractors expense.
- L. The Contractor shall provide the following to the City;
 - 1. A detailed staffing schedule at the commencement of each calendar year detailing the minimum staffing levels provided by the Contractor to properly operate and maintain the BHS and meet the KPI's detailed in the Contract.
 - 2. Staffing schedules shall be updated and resubmitted to the City as changes are made.
- M. The Contractor shall provide and maintain a detailed organizational chart detailing the hierarchy in the entire site organization including the following;
 - 1. Site Manager.
 - 2. Office Manager.
 - 3. Supervisors.
 - 4. Designated Safety Officer.
 - 5. Stores Officers.
 - 6. Controls System Technicians.
 - 7. Administration staff.
- N. The Contractor shall update the organizational chart whenever changes are made to appointments and submit all relevant documentation regarding such appointment changes including an updated organizational chart to the City, no later than EOB on the next business day of such change.
- O. The Contractor shall ensure that a minimum of one person is certified as a competent forklift/hoist operator capable of legally operating a forklift, certification is current and a current certified person is on site at all times.

- P. The Contractor shall comply with all Local, City, State and/or Federal requirements relating to work rules, including but not limited to;
1. Shift-work.
 2. Breaks, quantity, duration and intervals.
 3. Over-time.
 4. Minimum rest periods.
 5. Multiple and consecutive shifts.

6.2. KEY PERSONNEL

- A. For the purposes of this Scope of Service, the following persons shall be regarded as Key personnel.
1. Site Manager.
 2. Stores Officer.
 3. Supervisors.
 4. Control System Technicians.

6.3. KEYS AND ACCESS DEVICES

- A. The Contractor will exercise extreme care to ensure keys or other access devices to its offices are restricted only to those personnel requiring the keys to perform their duties properly. The Contractor will maintain at all times a current log or master list identifying each of its employees who has a key or access device identifying each office or area to which each employee has been issued such key or access device. The Contractor will be responsible for keys issued to its employees and will pay the City for the cost of replacements.

6.4. UNIFORMS

- A. The Contractor shall furnish their employees with a uniform to standards accepted by the City. The Contractor shall submit information pertaining to uniforms to CCD no later than 14 days after NTP and whenever the Contractor intends to materially alter uniforms
- B. Uniforms shall not be similar to any law enforcement or government regulatory agency and it shall be possible to easily distinguish the Contractors employees from other employees at the Airport.
- C. The Contractor shall enforce a reasonable level of dress code ensuring that all employees will present a neat clean and orderly appearance at all times while working at the Airport.
- D. The Contractor shall ensure that all employees wear the correct PPE including foot wear appropriate for the task being performed. The Contractor shall submit information on PPE to CCD no later than 14 days after NTP, prior to the commencement of operations (whichever occurs first) and whenever the Contractor intends to materially alter PPE.
- E. The City shall have the right to require removal of any employee who

shall fails to wear the proper uniform and PPE in a reasonable condition and the exercise of this right shall not limit the obligation of the Contractor to perform the services defined by this specification.

- F. The Contractor will provide each personnel with a name tag for the uniform and it shall always be placed in full view for the duration of the employee's shift.

6.5. SUBSTITUTION OF EMPLOYEES

- A. The Contractor personnel performing work under this Contract shall perform exclusively under this Contract, and shall not perform any work for the Contractor, or sub-contractor, as the case may be, except the work which is defined herein, consisting of BHS Operation & Maintenance services on site. The Contract Administrator or his designee may permit specific exceptions to this provision where such permission is obtained in writing.
- B. The Contractor shall instruct all Contractor personnel that their employment with the Contractor, or sub-contractor, as the case may be, to work under this Contract is their primary employment. Additional employment shall in no way interfere with or compromise an employee's ability to perform his or her duties for the Contractor or sub-contractor under this Contract. The Contractor shall require all Contractor personnel to promptly and to fully disclose all outside employment, and shall report all such outside employment to the Contract Administrator.
- C. It is the intent of the City that all key personnel identified in the Proposal actually perform such work at the Airport under the Contract, and that such key personnel be retained to work at the Airport for a minimum of 1 year to the extent practicable and to the extent that such employment maximizes the quality of work performed hereunder.
- D. The persons identified in the Proposal as the proposed Site Manager and Office Manager for this Contract will be assigned by the Contractor to perform such work under this Contract. The Contractor shall not reassign any person holding one of those positions to duties away from the Airport, unless it notifies the Contract Administrator, provides the Contract Administrator written notice of the name and qualifications of the person proposed to succeed such person in the position, and obtains the prior written approval of the Contract Administrator for such substitution. If the incumbent in any of such positions resigns or otherwise terminates employment with the Contractor, the Contractor shall immediately notify the Contract Administrator, and provide the Contract Administrator written notice of the name and qualifications of the person proposed to succeed such person in the position, and obtain the advance written approval of the Contract Administrator of the proposed successor

6.6. MINIMUM STAFFING LEVELS

- A. The Contractor shall as an absolute minimum provide the following staffing levels. It is the Contractor's responsibility to staff accordingly to

meet the performance requirements of the Contract specifications.

Figure 2, Minimum Staffing Levels

Staff Position/Title	Number of People	Minimum Staff per Shift
Site Manager	1	
Office Manager	1	
Supervisor	TBD by Contractor	1
Control Systems Technician		1
Control Room Operator		1
Machinery Maintenance Mechanic		3
Entry Support Mechanic		2
Safety Officer (not dedicated position)		1
Stores Officer		1

B. The staffing levels proposed by the Contractor shall become the minimum staffing level once the Contract has been awarded

6.7. STAFF DEFICIENCIES

- A. Whenever the Contractor is unable to provide the minimum staffing levels, the Contractor shall decrease the monthly fee accordingly.
- B. The Contractor shall make all efforts to address deficiencies in staffing.
- C. Should the Contractor fail to address such staffing deficiencies within thirty (30) calendar days, the City shall at its sole discretion deduct from the monthly fee an amount equivalent to two and one half (2.5) times the rate applying to the job description/skills required to meet the minimum staffing levels.

6.8. ON-SITE ADMINISTRATION STAFF

The Contractor shall as a minimum, but not limited to, provide the following staff for administration and management of the Contract;

6.8.1. SITE MANAGER

- A. Working Hours
 - 1. The Site Manager shall operate from the site for a minimum period of forty (40) hours per week, usually during normal business hours.
- B. Responsibilities
 - 1. The Site Manager shall be responsible for all day to day operations at the Airport and shall have the overall responsibility and authority

to assure the Contractor's compliance with this Contract.

2. The Site Manager shall serve as the Contractor's representative and point of contact with the City for all matters concerning the Contract and representing the Contractor in all communications.
3. The Site Manager shall be on-call to address and/or coordinate activities on site should an incident occur that cannot be addressed by on-site personnel. The Contractor shall ensure that the Site Manager or his delegated senior technician has the necessary tools that ensure twenty-four hours per day and seven days per week (24/7) availability.
4. The Site Manager shall have the Contractor's full authorization to empower any employee, sub-supplier and/or resource of the Contractor to perform all of the requirements detailed in this document.
5. The Site manager shall attend regularly scheduled and as requested meetings with the City and/or Stakeholders to discuss O&M issues.
6. Ensure timely submittal to the City of all invoices, reports, staffing plans and other documents required by the Contract.
7. The Site Manager is responsible for hiring, training, assigning, scheduling, promoting, disciplining and discharging employees to work for the Contractor under the Contract.
8. Review and revision as necessary of Contractor policies and procedures relating to the Contractor's performance of the Contract, including personnel, safety, security, and operational matters.
9. All other matters required for the Contractor's compliance with the Contract.

C. Qualifications

1. The Contractor shall submit credentials for proposed Site Managers to the City for approval prior to appointment.
2. A four year degree in business administration, management, personnel management, accounting or a related field from a recognized college or university. Any person who can demonstrate equivalent experience in lieu of an officially recognized degree shall be considered by the City for approval.
3. BHS Operation & Maintenance experience can be substituted on a year for year basis for education requirements up to maximum of two years.
4. The Site Manager shall have a minimum of five (5) years' experience in management of BHS Operations and Maintenance.
5. Appropriate physical capabilities consistent with the duties being performed for this position.

D. Replacement

1. Interim Site Managers shall be appointed by the Contractor for periods of no more than 5 consecutive workdays without approval from the City to address absences through sickness, leave, training etc.
2. Any interim Site Manager appointments exceeding five (5) consecutive work days due to absence for any reason shall have credentials submitted to the City for approval fourteen (14) days prior to such absences being planned and/or within twenty-four (24) hours of an unexpected absence. The City strongly encourages the Contractor to have on record an approved person to fill-in during an unexpected absence.
3. Any planned absences exceeding five (5) consecutive workdays (vacation, etc) shall be reported to the City at least fourteen (14) days prior to the absence occurring.

6.8.2. OFFICE MANAGER

A. Working Hours

1. The Office Manager shall operate from the site for a minimum of thirty-two (32) hours per week.

B. Responsibilities

1. The Office Manager shall be responsible for maintaining all office operations of the Contractor on-site including but not limited to;
2. Filing.
3. Issuing reports.
4. Communications.
5. Auditing.
6. Financial reporting.
7. Personnel administration.
8. Payroll and benefits administration/reporting.
9. Coordinate payment of all tax and fees related to BHS operations and maintenance.

C. Qualifications

1. The Contractor shall submit credentials for proposed Office Managers to the City for approval prior to appointment.
2. The Office Manager shall have a minimum of three (3) years' experience in office management.
3. Appropriate physical capabilities consistent with the duties being performed for this position.

D. Replacement

1. Interim personnel shall be authorized to perform the Office Managers duties as necessary during period when the Office Manager is not on site.
2. Any planned absences exceeding five (5) consecutive work days (vacation, etc) shall be reported to the City at least fourteen (14) days prior to the absence occurring.

6.9. ON-SITE SUPPORT PERSONNEL

6.9.1. SUPERVISOR

A. Working Hours

1. At least one Supervisor shall be on site whenever Airlines/Carriers are accepting baggage and/or TSA are screening baggage.

B. Responsibilities

1. Supervisors shall be fully conversant with all daily operations including all fallback procedures.
2. Supervisors shall coordinate work schedules for the day and be responsible for assignment of daily/nightly duties, Quality control and Safety.
3. Coordination of preventative Maintenance tasks, review of work performed to ensure it was done to the proper quality standard.
4. Schedule and Training of technicians.
5. Coordination with TSA, Airport Operations and the Airlines.
6. Supervisors shall be hands-on workers when other duties are complete.
7. The responsible Supervisor shall have authorization to make any decisions regarding BHS operations/maintenance including implementing any fallback modes. Delays in implementing fallback operations as a result of authorization to proceed from the Site Manager is unacceptable.

C. Qualifications

1. Supervisors shall have a minimum of five (5) years' experience in BHS Operations and Maintenance.
2. Supervisors shall undertake a training course provided by the Contractor and approved by the City every six months to ensure that they are proficient with all BHS operations including implementation of fallback procedures. Any Supervisor not receiving a passing grade shall repeat training within seven (7) days. Should the Supervisor continue to fail a passing grade, the Contractor shall appoint a person with a passing grade as a replacement until such time as the supervisor can attain a passing grade.

3. Appropriate physical capabilities consistent with the duties being performed for this position.

D. Replacement

1. Interim Supervisors shall be appointed by the Contractor for periods of no more than 5 consecutive work days without approval from the City to address absences through sickness, leave, training etc.
2. Any interim Supervisor appointments exceeding five (5) consecutive work days due to absence for any reason shall have credentials submitted to the City for approval fourteen (14) days prior to such absences being planned and/or within twenty-four (24) hours of an unexpected absence. The City strongly encourages the Contractor to have on record an approved person to fill-in during an unexpected absence.
3. Any planned absences exceeding five (5) consecutive work days (vacation, etc.) shall be reported to the City at least fourteen (14) days prior to the absence occurring.

6.9.2. CONTROL SYSTEMS TECHNICIAN

A. General

1. The Contractor shall provide a minimum of Control System Technicians as follows.

B. Working Hours

1. One (1) Control Systems Technician shall be on site at all times.

C. Responsibilities

1. The day to day operations of the BHS.
2. Capable of readily identifying the following;
 - a. Unexpected system operation.
 - b. Implementing proper procedures.
 - c. Resolving operational issues including but not limited to, Dieback, Grid lock and Fallback procedures.
3. Control room operations, capable of fulfilling control room operator duties in the event of an unexpected situation where support is required or an unexpected absence occurs.
4. Capable of reading and understanding all BHS electrical schematic diagrams.
5. Capable of using and understanding electrical test instruments.
6. Fully proficient with and capable of operating all BHS tools.
7. Fully conversant with and capable of maintaining all mechanical and electrical components in the BHS.
8. Installation, inspection, assessment, maintenance, repair and/or refurbish of all parts, components and/or assemblies within the BHS

D. Qualifications

1. Controls Systems Technicians shall have a minimum of three (3) years' experience in BHS Operations and Maintenance.
2. The Control System Technician shall be capable of performing all work done by the Entry Support Mechanic and Machinery Maintenance Mechanic unsupervised.
3. The Control System Technician shall be capable of performing all work unattended and unsupervised.
4. Appropriate physical capabilities consistent with the duties being performed for this position.

E. Replacement

1. Shall follow the general staff replacement requirements of the Contract Documents.

6.9.3. CONTROL ROOM OPERATOR

A. Working Hours

1. A Control Room Operator shall be present in the control room at all times that BHS operations are being performed at the Airport including inbound and outbound operation.

B. Responsibilities

1. Control Room Operators shall regard all information obtained from operations in the BHS control room as Security Sensitive Information (SSI) and ensure that the provisions of SSI are maintained.
2. The Control Room Operator's primary task shall be to monitor proper operation of the BHS and direct resources to inspect/repair operation, so as to meet the performance requirements of this specification. All other tasks including telephone calls shall be secondary.
3. Control Room Operators shall be proficient and trained on the proper use of all equipment and interfaces in the BHS control room, including but not limited to;
 - a. Workstations based on Microsoft Windows operating systems.
 - b. Customized applications to monitor BHS operations including WinCC and GSM.
 - c. Customized applications to monitor and identify baggage routing in the BHS including 'Putty', Blue screens and UUI.
 - d. Radios.
 - e. Telephones.
 - f. Reporting and recording the schedule of events, e.g. recording the sequence of events during an unexpected event.
 - g. Cleaning printers, clearing paper jams, loading paper,

changing cartridges, etc. and general usage of printers.

4. Control Room Operators shall promptly report BHS reported alarms and events and shall direct personnel to inspect, clear blockages/jams and/or repair failed equipment as appropriate.
5. Control Room Operators shall be attentive of the state and condition of the entire BHS at all times in order to respond to reported events and/or possible blockages/events and/or unusual BHS behavior within 30 seconds of the event occurring, including but not limited to;
 - a. Jams.
 - b. E-stops.
 - c. Faults.
 - d. Security.
 - e. Equipment malfunction.
 - f. Incorrect operation.
 - g. Incorrect routing of baggage.
 - h. Power outages.
 - i. Server outage.
 - j. Missing BSMs.
 - k. Die-backs.
6. Control Room Operators shall perform coordination of personnel and resources to ensure that the minimum service requirements defined are maintained.
7. Control Room Operators shall not be distracted from observance of BHS operation/state and/or direction of personnel/materials to address BHS operations including but not limited to;
 - a. Personal conversation.
 - b. Personal literature.
 - c. Consumption of banned substances (food, drinks, etc.).
8. Control Room Operators shall record information as needed to meet the requirements of this specification.
9. Control Room Operators shall coordinate with all Stakeholders.
10. Control Room Operators shall respond to BHS related inquires either by persons or telephone in a courteous and efficient manner.

C. Qualifications

1. The minimum qualifications of Control Room Operators are a Machinery Maintenance Mechanic level with additional skills capable of understanding the cause of a problem (even if uncertain how to resolve the problem) so that the proper resources/actions can be assigned and directed to address a fault.
2. The Contractor is responsible to develop a training program for the Control Room Operators. This course syllabus shall be submitted to the City for review and approval.
3. The Contractor shall keep a detailed record of all training completed by Control Room Operators. Control Room Operators shall

complete a refresher course on control room operations including fallback procedures every six (6) months. Proper records of training shall be kept by the Contractor and submitted to the City as identified elsewhere in this document.

4. Appropriate physical capabilities consistent with the duties being performed for this position.

D. Replacement

1. Shifts for Control Room operators shall overlap so that incoming personnel have an opportunity to get up-to-speed on current BHS operation so that hand-over's occur in an efficient and reliable manner.

6.9.4. MACHINERY MAINTENANCE MECHANIC

A. Working Hours

1. Shift-work as per the City guidelines.

B. Responsibilities

1. Performs Preventive Maintenance (PM) inspections, dismantling, repair and rebuilding of equipment.
2. Performs Corrective Maintenance (CM) dismantling, repair and rebuilding of equipment.

C. Qualifications

1. A Journey level position.
2. Capable of performing all work performed by an Entry Support Mechanic unsupervised.
3. Capable of working unsupervised for more than fifty (50%) of the time. Capable of completing a task with minimal supervision.
4. Skilled to diagnose, adjust and/or reset improper function (belt tension/ tracking, jam, etc.).
5. Fully proficient with and capable of operating all BHS tools.
6. Appropriate physical capabilities consistent with the duties being performed for this position.

D. Replacement

1. Shall follow the general staff replacement requirements of the Contract Documents.

6.9.5. ENTRY SUPPORT MECHANIC

A. Working Hours

1. Shift-work as per the City guidelines.

B. Responsibilities

1. Assists with adjustment and reset of improper function (belt tension/tracking, etc.), does not work on equipment unsupervised.
2. Performs PM inspections, dismantling, repair and rebuilding of equipment with supervision or assistance.

C. Qualifications

1. Capable of clearing and resetting operational issues (jam, etc.) without supervision. May require assistance for complicated faults (HSD, MSP).
2. Appropriate physical capabilities consistent with the duties being performed for this position.

D. Replacement

1. Shall follow the general staff replacement requirements of the Contract Documents.

6.9.6. SAFETY OFFICER (NOT A DEDICATED POSITION)

A. Responsibilities

1. The Contractor shall appoint a Safety Officer within their organization to perform safety related tasks.
2. The Safety Officer shall perform an annual audit of all safety practices and submit the report of the findings to the Contractor's Site Manager all Safe Work Practices and Procedures (SWPP).
3. Anticipated as the first responder to all safety related incidents.
4. Required to submit a formal written report to all incidents involving injury or potential to incur injury for the Contractor or the sub-contractors personnel.
5. Responsible for safety training of all the Contractor's personnel and/or sub-suppliers personnel working at the Airport.
6. The Safety Officer shall be capable of working unsupervised.

B. Qualifications

1. At least three (3) years experience in BHS operations and maintenance procedures appointed to a position equal or better than a Maintenance Machinery Mechanic.
2. Extensive knowledge of principles and practices for evaluating and implementing a comprehensive safety program; training techniques; basic principles of risk management, methods and techniques to ensure and enforce accident prevention.
3. Good observation, reporting, recording, oral and written communication skills with the ability to;
 - a. Properly investigate and evaluate complex safety problems

- and issues.
 - b. Establish and maintain an effective working relationship with personnel at all levels of the Contractor and the City organization.
 - c. Analyze situations accurately through observation, and personnel interviews.
 - d. Able to make timely and effective recommendations regarding personal safety and Safe Work Practices and Procedures.
 - e. Able to clearly interpret applicable safety and environmental laws and regulations.
 - f. Able to plan and present safety training programs.
 - g. Able to communicate clearly with others and use persuasion to obtain compliance and cooperation with other personnel over whom one has no direct authority.
4. Appropriate physical capabilities consistent with the duties being performed for this position.
- C. Replacement
1. Shall follow the general staff replacement requirements of the Contract Documents.

6.9.7. STORES OFFICER

A. Working Hours

1. The Stores Officer shall be on site for a minimum of five (5) days/forty (40) hours per week. When the Stores officer is not on site, the Supervisor shall be responsible for securing the stores and issuing equipment as required.
2. The Stores Officer shall be responsible for store related duties of contractor as well as the City purchased inventory items including but not limited to the following tasks;

B. Responsibilities

1. Maintenance and accuracy of inventory in the Computer Maintenance Management Software (CMMS).
2. Issuing replacements parts.
3. Maintaining minimum stock levels.
4. Auditing of stock. Compiling and issuing stock reports.
5. Ordering of replacement parts.
6. Selecting vendors based on best value for the Airport. Continual review and updating of vendors lists.
7. Tracking orders and deliveries.
8. Coordination of deliveries.
9. Tracking equipment/component failures.

10. Maintenance reporting.
 11. Coordination of all warranty related items and tasks.
- C. Qualifications
1. High School diploma or equivalent.
 2. At least one (1) years experience in BHS maintenance.
 3. A minimum of two (2) years experience in clerical work involving computerized data entry, inventory control, computerized inventory maintenance, record keeping and purchase ordering/receipting.
 4. Proficient verbal and written communication skills.
 5. Appropriate physical capabilities consistent with the duties being performed for this position
- D. Replacement
1. Shall follow the general staff replacement requirements of the Contract Documents.

TS-7. SAFETY

7.1. SAFETY AND CLEANLINESS

- A. The Contractor is responsible for the health and safety of its employees, agents, suppliers, and other persons, who perform work under this Contract and for the protection and preservation of the BHS. The Contractor shall take all necessary and reasonable precautions and actions to protect all such persons and property. Such actions shall include, but are not limited to the following;
1. Compliance with all the applicable laws, regulations, ordinances, rules or orders of any public authority having jurisdiction relating to safety of persons or property.
 2. Implementation of all practices, procedures and programs customarily implemented by contractors performing work of a similar nature; and
 3. Other such actions as may be deemed prudent by the City.
 4. The Contractor shall ensure that staff are provided with the proper safety equipment, are properly trained in the use of safety equipment and shall enforce the proper use of safety equipment at all times, for example;
 - a. Eye protection (safety glasses).
 - b. Safety shoes.
 - c. Head protection (hard hats).
 - d. Noise protection (ear muffs).
 - e. Electrical shock protection (gloves).
 - f. Unintended use (lock-out tags/locks).
 - g. Facial masks.

- h. Etcetera.
- B. The Contractor shall ensure that areas for the exclusive use of the Contractor are properly maintained, regularly cleaned and free from hazards.
- C. Maintain all records, make all reports and post all documents required by Federal, State and Local laws and regulations on employee worker safety and protection from hazardous conditions and materials.

7.2. SAFETY OFFICER

- A. The Contractor shall designate a person responsible for coordinating and enforcing all safety issues on site at the Airport.
- B. The Contractor shall have in place an official safety plan detailing the following as a minimum;
 - 1. All safe work practices and procedures to be implemented by employees and/or sub-suppliers when performing any work at the Airport.
 - 2. Review procedures to address deficiencies in actions taken.
- C. The Contractor shall submit a safety plan to CCD no later than 14 days after NTP or prior to the commencement of operations (whichever occurs first). In addition the Contractor shall submit an updated safety plan whenever the Contractors alters the safety plan or there is a material change in State/Federal requirements which require an adjustment to the safety plan.

7.3. SAFE WORK PRACTICES AND PROCEDURES (SWPP).

- A. The Contractor shall perform regular audits of safe work practices and procedure to ensure compliance by all employees personnel and sub-contractors.
- B. The Contractor is solely responsible for ensuring that all personnel and sub-contractors working at the Airport are fully conversant with all safe working practices and procedures and enforcement of those SWPP.
- C. The Contractor shall put in place a procedure to allow SWPP to be updated and/or corrected. The Contractor shall submit all changed SWPP to City by EOB on the next business day once SWPP have been reviewed, updated and put into place.
- D. Should any work completed by the Contractor fail, an injury occur while completing work or as a result of not following the approved SWPP or better industry practices, the Contractor shall provide CCD with a written report no later than 09:00 on the next business day detailing the following;
 - 1. A complete description of the work that failed.
 - 2. Impact of the failure on operations.
 - 3. Actions taken by the Contractor to ensure incidents are not repeated.

7.4. CONTRACTOR EMERGENCY PLAN

- A. The Contractor shall submit to the City a Contractors emergency plan to address the safe evacuation of personnel under the control of the Contractor. The Contractors emergency plan shall be properly coordinated with the City's emergency plan. The plan shall at a minimum include the following:
 - 1. Natural disasters.
 - 2. Injuries to employees or persons under the control of the Contractor.
 - 3. Fires.
 - 4. Emergency evacuation of offices and work spaces, identifying both primary and secondary exit points.
 - 5. Bomb threat procedures.
 - 6. Automobile accidents.
- B. The Contractor will ensure that its employees are trained and responsive in accordance with the Contractor Emergency Plan and Airport Policies and Procedures. In the event of an emergency, employees are instructed to call the Airport Emergency number at 303-342-4211.

TS-8. POWER OUTAGES

- A. The Contractor will provide the Contract Administrator with a Power Outage plan, approved by the City. The plan shall at a minimum include the following:
 - 1. Notification details for the City, Control Room Operator, and the Airport Maintenance Control Center to ensure immediately notification.
 - 2. Procedure for handling baggage during the outage
 - 3. A brief narrative of the time frame, procedures followed and number of bags processed shall be forwarded to the Contract Administrator within 24 hours of any power outage/failure.
- B. The Contractor shall submit the plan no later than 30 days after NTP and whenever the plan is updated.

TS-9. KEY PERFORMANCE INDICATORS (KPI'S)

9.1. GENERAL

- A. The Contractor shall through the Baggage Operations and Baggage Maintenance activities ensure that the Key Performance Indicators (KPI's) defined herein are fulfilled. The KPIs are created to have a very clear and straightforward measuring system in place to evaluate the performance and quality of the operations and maintenance activities provided by the Contractor. Failing to meet KPIs may result in deductions in monthly payments as defined in § 9.10 below.
- B. Ticketing stoppages due to downstream equipment failures shall be limited to no more than fifteen (15) minutes before fallback methods are put in place to continue ticketing operations.

- C. Jams shall be attended to within three (3) minutes of the system reporting the condition. Jams, which cannot be cleared within a further two (2) minutes shall initiate fallback methods to ensure delivery of stranded baggage.
- D. Emergency stops conditions shall be responded to within three (3) minutes of the event being reported.
- E. Maintenance call conditions shall be responded to within three (3) minutes of the call being initiated.
- F. Provide minimum staffing levels at all times.
- G. Issue reporting details as required by this specification.
- H. Ensure that the BHS operates and is configured to insure all baggage is screened in accordance with the description of operation and TSA requirements for screening of baggage.
- I. Refer to § 9.10 below for deductions to the contract fee that can apply for non-performance or substandard performance on the part of the Contractor.

9.2. FAILURES

- A. Belting, which fail during operations due to unexpected damage shall be repaired within two (2) hours of the condition becoming a stoppage requiring implementation of fallback methods.
- B. Conveyor components which fail during operations shall be replaced within one (1) hour of the condition becoming a stoppage requiring implementation of fallback methods.
- C. Failures which occur as a result of incorrect adjustment by the Contractor and have an effect on operations involving bags missing connections with aircraft and/or aircraft being delayed shall be recorded by the Contractor and reported to the City within four (4) hours of the incident being completed. A written report shall be submitted no later than 09:00 AM on the next business day.

9.3. AVAILABILITY

9.3.1. GENERAL

- A. Availability shall be calculated based on any equipment being available for service during operations with the exception of;
 - 1. Equipment that is scheduled for downtime (EQ^{sdt}).
 - 2. Maintenance work that can be completed without affecting the BHS's ability to meet the demand imposed upon it by operations (M^{sdt}).
- B. Scheduled Operating Time ^{soT} is equivalent to the amount of time that the equipment is required to be in service less the items identified above.
 - 1. Daily availability would be equivalent to (1440 minutes – (EQ^{sdt} +

M^{sdt})).

2. Monthly availability for a 30 day month would be equivalent to $(30\text{days} * 1440 \text{ minutes} - (EQ^{sdt} + M^{sdt}))$
 3. Annual availability would be equivalent to $(365 \text{ days} * 1440 \text{ minutes} - (EQ^{sdt} + M^{sdt}))$
- C. Removing any portion of the BHS from operation in order to perform maintenance whether scheduled or unscheduled which results in dieback, bags miss-connecting as a result of BHS delays (which could have normally connected) and/or aircraft delays (in order to ensure bags connect) shall be regarded as NOT meeting demand.

9.3.2. CALCULATION

Figure 3, Availability Calculation

$$\text{Availability \%} = \frac{(\text{scheduled operating time}^{soT} - \text{downtime}) * 100}{\text{scheduled operating time}^{soT}}$$

9.3.3. MINIMUM SYSTEM AVAILABILITY

- A. The Contractor shall be deemed to have failed to meet the KPI performance requirements of the contract if the Contractor fails to meet any of the availability requirements defined below;
1. Greater than ninety-nine percent (99.0%) on a daily basis per module (less than fifteen (15) minutes downtime per day per module).
 2. Greater than ninety-nine and seven tenths percent (99.7%) on a monthly basis per module (less than two (2) hours downtime per month per module).
 3. Greater than ninety-nine and two tenths percent (99.2%) on a monthly basis (less than six (6) hours accumulated downtime per month) across all modules.

9.4. BAG IDENTIFICATION

- A. Automatic Tag Reader (ATR) performance shall exceed a read rate of minimum ninety-three percent (93%) per array and ninety-six percent (96%) per module calculated on a daily basis.

9.5. TRACKING ACCURACY

9.5.1. GENERAL

- A. Tracking performance shall exceed ninety-nine and ninety-five one hundredths percent (99.95%) of all bags being processed over a twenty-four (24) hour period calculated as follows.

1. Bags lost in tracking can be identified as the total number of bags incorrectly sorted to a MU device.
2. Bags which are routed to the run-out device due to no-read or no sort information but are correctly tracked shall be deemed to be tracked accurately.

9.5.2. CALCULATION

Figure 4, Tracking Performance Calculation

$$\text{Tracking Performance \%} = \frac{(\text{Total Bags to assigned MU} - \text{Bags lost in tracking}) * 100}{(\text{Total bags to MU})}$$

9.6. MEAN TIME TO REPAIR (MTTR)

- A. MTTR analysis shall commence from when equipment goes out of service until equipment is returned back into service, unless equipment can be removed from service without effecting operations, in which case MTTR shall be the actual time to repair.
- B. The Contractor shall report to the City on a monthly basis with information supporting compliance with MTTR for the following components;
 1. Belt change, two (2) hours.
 2. Diverter paddle change, one (1) hour.
 3. Motor and/or reducer/gearbox change, one (1) hour.
 4. Odd-size drive base gearbox/reducer or drive shaft , four (4) hours.
 5. Clutch/Brake and/or Wrap spring clutch and/or similar change, one (1) hour.
 6. Photocell replacement, thirty (30) minutes.
 7. Encoder replacement, thirty (30)minutes.
 8. VFD replacement, one (1) hour.
 9. Make-up/Claim drive unit, chain, two (2) hours.

9.7. OPERATION

- A. The Contractor shall ensure that all operational activities are performed in accordance with the Contract. Should the Contractor fail to perform the required operational activities, penalties defined in § 9.10 below shall apply.

9.8. MAINTENANCE

- A. The Contractor shall ensure that all maintenance activities are performed in a timely manner. Should the Contractor fail to perform the required preventive maintenance, penalties defined in § 9.10 below shall apply.

9.9. FAILURE TO MEET KPI

- A. Should the Contractor fail to meet any KPI within a calendar month, the

Contractor shall provide the City a written explanation detailing the reasons why the Contractor was unable to meet the KPI. In addition the Contract shall provide the City with a written proposal detailing what corrective actions the Contractor will take in order to meet the KPI's identified in this document.

- B. Should the Contractor fail to meet any KPI, the City may at the City's sole discretion deduct from the Contractor's fee an amount equivalent to the penalties according to § 9.10 below.
- C. Should the Contractor fail to meet KPI's due to an error on the part of the Contractor, their employees, sub-suppliers or other persons under the immediate direction of the Contractor, which results in baggage not being screened, baggage misconnecting and/or aircraft being delayed (so as to allow baggage to connect with departing aircraft), the City at its sole discretion may deduct from the Contractor's fee penalties according to § 9.10 below in addition to any penalties imposed by lawful government agencies.
- D. Implementation of KPI deductions by the City to the Contractor's fee for three (3) or more consecutive months shall be grounds for the City to impose a Statutory Manager selected by the City, who will oversee the Contractor's day to day operation, all reasonable costs of such action shall be borne by the Contractor.

9.10. DEDUCTIONS FOR NON-PERFORMANCE OR SUB-STANDARD PERFORMANCE

9.10.1. GENERAL

- A. The Contractor acknowledges that its services under this Contract require handling and accounting for mission critical equipment and services for the airlines and passengers at the Airport, and therefore the highest standards of competence, integrity, reliability and courtesy are required in the performance of the Contractor's duties hereunder for the protection of the City's revenues and delivery of quality service to the public at the Airport. Therefore, it is agreed that deviations below the standards of performance required under this Contract shall result in deductions from the compensation payable for such services, as described below. The provisions of this section shall not preclude recovery by the City of damages or the City obtaining equitable relief for breaches of the Contract by the Contractor.
- B. For any month where the Contractor does not fulfill the requirements of this Contract the City reserves the right to assess penalties and deduct sums from the Contractor's monthly fee as follows.
- C. Any deductions which the City elects to impose on the Contractor in its sole discretion shall not exceed 20% of the Contractor's nominal monthly fee and the aggregate total of all deductions in any one year shall not exceed 20% of that year's payment. The maximum deductions under the Contract shall be subject to the aggregate liability cap of 20% of the

Contract value.

9.10.2. PAYMENT DEDUCTIONS

Figure 5, Payment Deductions

Incident	Deduction	Remark
Failure to have properly qualified personnel on site to perform required duties	USD 500 per day per person not available	
Failure to address staff deficiencies within 30 calendar days.	Two and one half (2.5) times the rate applying to the job description/skill	
Failure to follow approved maintenance procedure resulting in premature equipment failure.	200% of the employee's hourly rate for an 8 hour period, responsible for performing the work.	
Missing/inappropriate uniform	USD 50 per hour for each person so attired, if not corrected within 2 hours after notice from City	
Documented or substantiated incident of rude behavior (as defined by the City) by the Contractor's employee towards the City, Airlines or the General Public	USD 50 per occurrence	
Failure to provide or complete an accident report within 24 hours of occurrence	USD 300 per occurrence	If knowledge of such accident was known or should have been known by Contractor for damage to City and/or County property
Failure to submit reports or documentation within time required, resulting from the acts or omissions of Contractor	USD 100 for each day a report is late	Separate deduction for each late report, if two or more are due at the same time and submitted late
Insufficient communication tools (phones/radios)	USD 200 per day	
Unauthorized tampering with the BHS computer system	USD 2,000 per occurrence	
Failure to complete spare parts inventory audits from the acts or omissions of Contractor.	USD 1,000 per occurrence	
Failure to have the necessary safety equipment available	USD 100 per occurrence	
Failure to complete scheduled daily, weekly and/or Monthly PM inspections on time	USD 100 per occurrence	
Failure to complete scheduled quarterly, bi-annual or annual PM inspections on time	USD 500 per occurrence	

Incident	Deduction	Remark
Failure to implement fallback operational procedures on time	USD 500 per occurrence	
Failure to address bag jams, E-stop conditions and Maintenance Calls on time	USD 100 per occurrence	
Penalty for each unscreened bag by passing EDS and CBRA due to improper operation, maintenance or configuration of the BHS by the Contractor.	USD 500 per bag. Max USD 5,000 per incident per day	This penalty is in addition to recovery of any fines and/or penalties imposed on the City.
Penalty for each misconnected bag due to improper operation, maintenance or configuration of the BHS by the Contractor.	USD 50 per bag. Max USD 3,000 per incident	Applicable when bags miss their departing flight due to reasons of the Contractor
Penalty for each delayed aircraft due to improper operation, maintenance or configuration of the BHS by the Contractor.	USD 3,000 per incident	Applicable when aircrafts are delayed due to reasons of the Contractor
Penalty for not meeting System Availability	USD 500 per Month	For each Module
Penalty for not meeting bag tracking accuracy	USD 100 per Month	For each Module
Penalty for not meeting ATR read-rates	USD 100 per Day	For each ATR calculated daily due to reasons under the control of the Contractor.
Penalty for not meeting MTTR	USD 100 per occurrence	Applies for each type of repair on a per repair basis
CMMS not in service within 30 days after NTP	USD 500 per day	
Loss of CMMS data	USD 100 per day	Calculated from day 1 of the contract.
Falsification of information reported to CCD	First occurrence USD 1,000 Second occurrence USD 5,000 Subsequent occurrences USD 10,000	Subject to default

TS-10. BAGGAGE OPERATIONS

10.1. GENERAL

- A. The Contractor shall operate all portions of the BHS in an efficient, safe and prudent manner from the point where baggage is loaded into the BHS by the Airline/Carrier or Passenger to the final point where the bags are unloaded by the Airline/Carrier or Passenger, inclusive of all BHS equipment in between including load/unload areas, Make-up/Claim areas and TSA inspection areas.
- B. The Contractor shall not in any way interfere with or obstruct the rights of

the users of the Airport except as reasonable required in the performance of its obligations and functions hereunder, or cause the BHS to be used for any improper or unlawful purposes.

- C. The Contractor shall keep all sidewalks or passageways of stairways in front of, within or adjacent to the BHS clear of obstructions except as reasonable required in the performance of its obligations and functions hereunder.
- D. The Contractor shall ensure that operations personnel are stationed in areas within the BHS where personnel can adequately respond to operational problems maintaining KPI's. The Contractor is responsible for the following;

10.2. OPERATIONAL TASKS

10.2.1. GENERAL

- A. The Contractor shall be responsible for providing the following services;
 - 1. Monitoring system operation and performance.
 - 2. Assigning personnel as required to attend/resolve system events.
 - 3. Updating Sortation configuration.
 - 4. Updating Carrier/airlines Makeup assignments.
 - 5. Updating flight schedules and Make-up assignments.
 - 6. Collecting data and distributing to Stakeholders as required and/or on request.
 - 7. Assigning personnel to perform unscheduled maintenance.
 - 8. Stocking and re-stocking of baggage tubs in all areas for Airline use.
- B. The Contractor shall provide labor as required to support fallback operations including handling of unscreened baggage between ticketing and alternative load areas.

10.2.2. STANDARD OPERATING PROCEDURES (SOP)

- A. The Contractor shall develop, document and maintain Standard Operating Procedures including but not limited to;
 - 1. Jam clearing procedures.
 - 2. Crossing equipment.
 - 3. Working on operational equipment.
 - 4. Cleaning ATR's.
 - 5. Belt tracking, alignment & tension.
 - 6. Other equipment alignment and tension.
 - 7. Motor/reducer inspection/replacement.

8. Sensor calibration and/or adjustment.
9. VFD parameter setting.
10. PLC redundancy switch-over.
11. Lock-out/tag-out procedure.
12. Control room operation.
13. Radio communications.
14. Fault analysis.

10.2.3. COORDINATION WITH STAKEHOLDERS

- A. Provide support and logistics to the City for coordination with Stakeholders including, but not limited to;
 1. Airlines/Carriers.
 2. TSA.
 3. Third parties, who perform duties/tasks in support of BHS operations including but not limited to, EDS operation and BSM operation.
 4. The City and its assigned representatives.
- B. The Contractor shall coordinate BHS operations with airport construction activities in progress from time to time.
- C. The Contractor shall work with all responsible parties to address scheduled shutdowns.

10.3. INSPECTIONS

- A. Perform inspections of all portions of the BHS at the end of each Modules/areas daily operation to verify that no baggage has become stranded in the BHS and failed to connect with its departing flight.
- B. The Contractor shall perform periodic checks of the BHS in areas not manned by Stakeholders and as necessary manually handle stranded baggage and move such bags to an operational area of the BHS for proper processing. The Contractor shall take appropriate actions to mitigate the occurrence of stranded bags at the end of daily operations.

10.4. MANUAL BAG HANDLING

- A. The Contractor shall perform all necessary manual handling of baggage as a result of improper operation of the BHS including but not limited to;
- B. Events that Require Manual Handling of bags include the following situations;
 1. Bags that become stranded (due to equipment failure/no longer available).
 2. Bags that has fallen off equipment.

3. Bags that has become trapped (straps, snags or other).
 4. Bags that need relocation in connection with implementation of or execution of fallback modes.
- C. Ensure continued airport operations during emergency operations where significant parts of the BHS is out of service.

10.5. RECORDS

- A. Keep records of and provide a written report of all stranded, trapped or bags found fallen off the equipment to the appropriate Carrier/Airline.
- B. Provide a written report of all areas which require modifications, to the City prior to commencing any modifications to the BHS which are required to address stranding of baggage.
- C. Prepare and submit all regular reports defined herein.

10.6. MEETINGS

- A. The Contractor shall provide appropriate management and technical personnel to attend meetings required or appropriate for the orderly and efficient operation and maintenance of the BHS, including meeting with the City, Airlines/Carriers, architects, engineers, contractors, agencies, airline station management and others as may be reasonably required.

10.7. BAG SECURITY SCREENING

- A. The Contractor shall follow all lawful instructions from TSA with regard to screening procedures and methods.
- B. The Contractor shall ensure that all baggage entering any part of the BHS is properly screened in accordance with TSA requirements, which are subject to change, before being transported to the make-up devices. Under no circumstances shall the Contractor allow baggage to exit the BHS and bypass any TSA mandated screening. Should an incident occur where baggage exiting the BHS is not properly screened the Contractor shall take immediate steps to;
 1. Ensure that no additional bags exit the BHS without being screened. If necessary, the effected CBIS or portions of CBIS, which does not properly screen bags, shall be stopped.
 2. Alert the TSA and the City of any situations where the Contractor knows or believes that baggage may have exited the BHS and not been properly screened.

3. The Contractor shall follow up all incidents where baggage exiting the BHS has not been properly screened with an interim written report to the City within four (4) hours of the situation becoming known to the Contractor. A final written report shall be submitted to the City no later than 09:00 on the next business day detailing the following;
 - a. All actions, activities and/or events taken by the Contractor to identify the cause(s) leading up to baggage not being screened.
 - b. All actions taken by the Contractor to mitigate the impact.
 - c. All actions taken by the Contractor to ensure that the incident cannot be repeated.
 - d. Any changes to procedures required to ensure that the incident cannot be repeated.
 - e. Any changes in BHS operation required to ensure that the incident cannot be repeated.
 - f. Persons notified.

10.8. CONTROL ROOM ACTIVITIES

10.8.1. GENERAL ACTIVITIES

- A. The Contractor is responsible for manning the BHS Control room during all operations of the BHS for the continued monitoring of the complete BHS and dispatch personnel to correct any malfunction.
- B. The control room is shared with others, including the TSA, who are performing a critical security function. Information and the activities performed by the TSA in the control room are considered Security Sensitive and are covered by SSI (49 CFR parts 15 and 1520).
- C. The Contractor shall ensure that the control room is not manned by personnel outside their organization and shall ensure that etiquette in the control room is in line with an occupied space.
- D. The control room is work space, not intended for recreational purposes.
- E. The use of laptops, radios/MP3 players, and other electronic devices not required for BHS operations, consuming food/drink and general distractions from magazines books, newspapers unrelated to BHS operations is prohibited.
- F. The Contractor shall ensure that use of personal communication devices for personal use is minimized and under no circumstances shall personal calls interfere with BHS Operations.
- G. The proper cleaning and housekeeping of the worked space and all BHS equipment in the control room.
- H. It is the Contractor's responsibility to ensure that Control Room Operators are trained in the proper use of all control room equipment and user interfaces to properly and efficiently monitor BHS operation/performance.
- I. The Contractor shall take appropriate actions in a timely manner to

ensure that the minimum performance requirements of the BHS are met and maintained.

- J. General Housekeeping such as files, folders, organization of BHS items shall be kept in an organized and orderly fashion.
- K. Monitoring of all portions of the BHS including portions not in use, operation and/or in service.
- L. Monitoring the graphic status displays for security of baggage inputs and dispatching personnel to any areas, which have open security access or have been accessible without the operation of the BHS equipment.
- M. Monitor the status of EDS screening machines and alert TSA to possible problems with EDS screening machines to allow speedy implementation of support procedures and as necessary dispatch of support personnel.
- N. Dispatching operations personnel to operational issues within the BHS (Jams, faults, stoppages, etc.)
- O. Any operational issue taking more than fifteen (15) minutes to resolve shall be fully documented in the required event log reports provided to the City.
- P. Observe BHS operation for unexpected events, dispatch and direct personnel to areas which could indicate unexpected operation and/or delay baggage delivery to the make-up area.
- Q. Follow up of all operational issues within five (5) minutes of the event and report an update every five (5) minutes thereafter to all parties affected by the issue until the issue is resolved.
- R. When equipment has been taken out of service and baggage has been routed through alternative means, progress shall be checked every thirty (30) minutes until equipment has been returned to service.
- S. Coordination and implementation of fallback strategies. The Control Room Operator shall be properly trained so that in the event of the implementation of any fallback strategy, be capable of implementing and coordinating the fallback strategy and communicating with all parties affected by the strategy.
- T. Coordinate with Carrier/Airlines and the City as required, to load, modify make-up assignments for Carrier/Airlines.
- U. Coordinate with Carrier/Airlines for flight schedule updates, load flight schedules as required to support Carrier Airline operations.
- V. Collect and compile data for reporting purposes.
- W. Coordinate with Maintenance personnel as required to ensure equipment in immediate need of maintenance is properly supported or requires scheduled maintenance during system downtime.
- X. The Contractor shall be the primary point of contact for coordination and implementation of any fallback operations in the BHS.

10.8.2. BHS INTERFACES

- A. Periodically check and verify proper operation of all external and internal interfaces, including but not limited to;
 - 1. BSM's.
 - 2. FIDS.
 - 3. Time synchronization.
 - 4. EDS equipment interface.
- B. In the event that the Contractor identifies a problem with a specific interface the Contractor shall take the appropriate action, including but not limited to;
 - 1. The Contractor is responsible for contacting the necessary support personnel/third parties and initiating corrective actions.
 - 2. The Contractor is responsible for coordinating with the Carrier/Airlines/Stakeholders affected by the failed interface and initiating actions to minimize impact to BHS operations.
 - 3. The Contractor shall report any incidents, which effect Carrier/airline operations as soon as the Contractor has established that the problem cannot be immediately resolved.
 - 4. Followed up in writing to the City no later than 09:00 on the next business day.

10.8.3. OPERATIONAL COORDINATION

- A. The Contractor is responsible for the coordination between the BHS operations, Stakeholders and other third parties involved including but not limited to the following.
 - 1. TSA.
 - 2. TSA EDS equipment contractor (Currently MDI).
 - 3. Airlines/Carriers, (subject to frequent changes).
 - 4. Service baggage handlers/Skycaps.
 - 5. Airport Operations.
 - 6. Airport Planning and Development and its assigned representative.
 - 7. Airport Maintenance.
- B. The Contractor is responsible for contacting Airport Operations and/or Airport Maintenance regarding any abnormal environmental issues in the BHS control and/or BHS Server rooms.
- C. The responsible party shall be contacted within five (5) minutes of an abnormal environmental condition becoming known to the Contractor. The Contractor shall follow up with the responsible party, who was assigned the task to perform the repair every fifteen (15) minutes until the event has been attended to. Once satisfied that the issue is being addressed the Contractor shall follow up with the responsible party every thirty (30) minutes until resolved.

10.8.4. RECORD KEEPING

- A. The Contractor shall keep detailed, accurate and complete records of all operational events detailing the following;
 - 1. Operational Event Recording.
 - 2. Description of the event.
 - 3. Time event identified and resolved.
 - 4. Time and status for follow-up checks
 - 5. Personnel involved.
 - 6. Fallback Operations
- B. The Contractor shall provide a detailed report of the situation to the City no later than 09:00 of the next business day.

10.9. BAG CLEARING

- A. The Contractor shall furnish bag jam clearing services in a timely, safe and efficient manner throughout the BHS at all times, while the BHS is in active operation. Bag jam clearing is not required for internal TSA security screening equipment jams that might occur; however, Contractor must immediately notify the TSA or other responsible party in the event an EDS jam is observed.
- B. Response times to bag jams shall not exceed three (3) minutes from the time of jam notification until the technician/mechanic's arrives at the jam location and the approved bag jam clearing procedure is commenced. Resolution of the bag jam is to be completed in the most expeditious manner possible. Contractor's technicians/mechanics will acknowledge notification to the Control Room Operator using a two-way radio communication network.
- C. Perform an inspection within three (3) minutes of being alerted to a problem with an EDS screening machine to ensure that baggage is not stranded.
 - 1. Manually remove stranded bags upstream of the EDS screening machine and route accordingly to ensure each removed bag is properly screened.
 - 2. Baggage clearing is not required for internal TSA security screening equipment jams that might occur; however, the Contractor shall immediately notify the TSA or other responsible party in the event an EDS screening machine jam/ stranded bag is observed and/or suspected.

Should the event not be responded to within 15 minutes, the Contractor shall alert the TSA and/or other responsible party every 15 minutes until baggage has been cleared from the EDS screening machine.
 - 3. Verify bags downstream of the EDS screening machine are routed accordingly.

TS-11. BAGGAGE SYSTEM MAINTENANCE

11.1. GENERAL RESPONSIBILITIES

- A. The Contractor shall maintain the BHS on a preventative maintenance basis such that equipment is inspected regularly and changed/repaired prior to actual failure so that equipment operates continuously without unexpected failure.
- B. The Contractor shall maintain all portions of the BHS from the point where baggage is loaded into the BHS by the Airline/Carrier to the final point where the bags are unloaded by the Airline/Carrier, inclusive of all BHS equipment in between including load/unload areas, make-up/claim areas and TSA inspection areas. All maintenance activities shall comply with the latest Operation and Maintenance Manuals.
- C. The Contractor shall ensure that maintenance personnel are stationed in areas within the BHS where personnel can adequately perform preventive maintenance as well as any corrective maintenance activities required to respond to operational problems in order to maintain the defined KPI's. The Contractor is responsible for the following;
- D. The Contractor is responsible for keeping on site all equipment required to safely operate and provide the workforce with the appropriate PPE necessary to maintain the BHS, including but not limited to the following required safety equipment;
 - a. Eye protection.
 - b. Harnesses.
 - c. Fall arrest/tie-offs.
 - d. Hard hats.
 - e. Safety shoes.
 - f. Ear plugs or ear protection.
 - g. Safety cones.
 - h. Eye wash stations.
 - i. Respirators.
 - j. Hand cleaner.
 - k. Hand protection.
 - l. Protective clothing.
 - m. First aid kit.
- E. The Contractor is responsible for all mechanical and electrical areas identified as a part of the BHS (refer to TS4.1.6 above).
- F. The Contractor is responsible for development of a scheduled Preventative Maintenance Plan.
- G. The Contractor is responsible for all scheduled preventative maintenance tasks.
- H. The Contractor is responsible for all corrective maintenance tasks scheduled and non-scheduled.
- I. The Contractor shall develop, document and maintain Standard Maintenance Procedures including but not limited to;

11.2. STANDARD MAINTENANCE PROCEDURES (SMP)

11.2.1. GENERAL

- A. Replacement of Motor/reducer.
- B. Replacement of ATR components.
- C. Belt replacement.
- D. HSD inspection/repair.
- E. Replacement of electrical components.
- F. Repair and/or replacement of tracking sensors such as shaft encoders, photocells and other related components.
- G. Lubrication schedules and procedures.
- H. Equipment adjustment procedures.
- I. Equipment testing upon completion of repair and/or adjustments.
- J. The Contractor shall review the Maintenance Manuals available from the original BHS Supplier and shall in coordination with the City and Stakeholders, recommend updates and revisions to the manuals and procedures to improve on safety, efficiency, quality assurance, equipment lifetime, cost of operation or other potential benefit to the City. Any recommended change shall be approved by the City prior to implementation.
- K. The Contractor is responsible for maintaining legible copies of electrical schematics in MCPs at all times.
- L. The Contractor shall provide and maintain all necessary radios, tools, vehicles, forklifts, scaffolding, ladders, golf carts, battery charging stations, chargers, etc. required to effectively maintain and operate the BHS. A list of the City owned equipment shall be provided to the Contractor at commencement of this Contract. This list shall be reviewed on an annual basis for additions to or subtractions from, between the Contractor and the City. Any additions to or subtractions from shall be approved in writing between both parties. The Contractor shall provide a list of additional tools required at the time of bid to be provided by the Contractor and reviewed/agreed with the City.

11.2.2. CLEANING ACTIVITIES

- A. Cleaning of BHS areas is the responsibility of the Contractor.
- B. The areas to be cleaned and properly maintained are those areas immediately around and under the BHS equipment. Those areas where the Contractor is responsible for cleaning, but the space is shared with others, the Contractor is responsible for removal of the debris of others in the space.
- C. General cleaning of the BHS area, collection and removal of all accumulated trash.

- D. Collection of City supplied trash carts in designated areas, removal and disposal of trash.
- E. General cleaning (dust, dirt, lubricants, etc) of the conveyors including all components that make up or are attached to a conveyor (e.g. photo-sensors, operator stations, etc).
- F. Removal of debris in, under or around the conveyors (baggage tags, locks, foreign objects, etc.).
- G. Areas with ceilings above occupied areas (offices) that constitute a potential fire hazard shall be inspected and cleared of all debris during preventative maintenance tasks.
- H. Thorough cleaning of all barcode scanner array laser heads on a daily basis.
- I. The Contractor shall correctly dispose of used materials that are deemed hazardous in accordance with the City rules and requirements.
- J. The Contractor shall maintain the interior of its offices in a completely clean, businesslike, and orderly manner at all times. Office furniture and equipment will at all times be presentable and businesslike. Broken, defaced or unnecessary items will be promptly removed and, if appropriate, replaced.
- K. The Contractor shall keep the Spare Parts inventory store areas clean and orderly.
- L. The Contractor shall not allow rubbish or trash to accumulate in its employees' work areas.
- M. The Contractor will not be reimbursed for any cleaning costs enumerated above.

11.2.3. LIGHTING

- A. Lighting fixtures within the BHS areas shall be maintained by the City. At any time during the life of the Contract a light fixture is determined to be broken, the Contractor is responsible to identify the location of the broken fixture and coordinate with the City for the repairs to be scheduled so as not to interfere with BHS operations.
- B. The replacement of light bulbs in the BHS areas is the responsibility of the Contractor. The City will furnish to the Contractor upon request, the necessary bulbs and the Contractor shall replace them and deliver the used bulbs to the City for proper disposal.

11.2.4. IMPACT PROTECTION MAINTENANCE ACTIVITIES

- A. The Contractor shall repair and maintain all BHS impact protection.
- B. The Contractor shall perform periodic inspection not only to ensure impact protection performs the required task, but also to verify loosening of retainers. Any loose retainers shall be adjusted appropriately; retainers, which cannot be adjusted, shall be replaced.

- C. Notification and written reporting to the City shall be provided no later than 09:00 of the next business day after it becomes known to the Contractor, if damage to the impact protection is beyond repair.
- D. The Contractor shall keep detailed records of damage, which is attributed to carelessness by other parties working and/or operating in the vicinity of the damage, to allow the City to provide evidence to the responsible party for recovery of costs including;
 - 1. Photographs, obtain company logo's.
 - 2. Witness reports (if possible).
 - 3. A detailed description of the damage including time and location
 - 4. A detailed breakdown of the work done to repair the damage including materials and manpower, fully priced at agreed rates.

11.3. MAINTENANCE INSPECTIONS ACTIVITIES

- A. The Contractor shall perform regular inspections to determine the status of all components within the BHS and to ensure that such equipment is compatible with the safe and efficient operation of the BHS.
- B. Daily walkthroughs shall be performed throughout the BHS to identify proper operation and adjustment on the entire system. The intention of this requirement is that the City requires the Contractor to inspect, observe and monitor every operating component in the BHS for potential failure and/or adjustment on a daily basis.
- C. Records shall be kept properly detailing that scheduled inspections were performed, the labor performing the inspections, and man-hours required to perform the inspection by the Contractor.
- D. The Contractor shall put in place an audit system to be performed by Supervisors to periodically verify that daily inspections are being performed properly. Such audits shall be fully documented and attached to the City monthly performance reports.
- E. Weekly, monthly, quarterly, bi-annual and annual inspections shall be performed as required by the approved preventative maintenance plan.
- F. The Contractor shall promptly inspect any equipment deemed to have failed and shall immediately repair or replace any equipment, assembly or component in order to return the equipment back to service.
- G. Equipment/components with long inspection intervals, deemed to be in imminent threat of failure before the next inspection, but with a reasonable useful life shall have the inspection interval temporarily adjusted so that the best cost benefit is provided without actual failure during operation.
- H. The Contractor shall be mindful of the overall costs of components. Components should be removed and/or rebuilt/refurbished whenever practical and only replaced with a new spare part at the end of its useful life prior to actual failure.

- I. The Contractor shall keep an adequate supply of consumables on site to perform all maintenance activities.
- J. The City shall have the right to have others repair or replace any components or assemblies that the City deemed to be inadequately or improperly maintained at the sole discretion of the City, all such costs to be the responsibility of the Contractor.
- K. The Contractor shall properly coordinate all maintenance and equipment being taken out of service due to scheduled or unscheduled maintenance with all Stakeholders to ensure that maximum possible service can be provided to the Carriers/Airlines at all times.

11.4. PREVENTION OF BAG DAMAGE ACTIVITIES

- A. The Contractor shall immediately undertake corrective actions and repairs to any part of the baggage system that causes damage to baggage in an effort to prevent any further damage to baggage, including but not limited to;
 - 1. Temporary removal of equipment from service until remedial actions can be completed.
 - 2. Routing baggage around the equipment/area causing damage.
 - 3. Performing periodic inspections of the equipment to ensure baggage is not being damaged.
 - 4. Assigning the Contractor's personnel to be stationed in the immediate area so as to manipulate baggage and ensure baggage does not become damaged in the event that the equipment/area cannot be taken out of service due to Carrier/Airline schedules, equipment availability, other routes being unavailable and/or baggage load.

11.5. MAINTENANCE COORDINATION

- A. The Contractor shall as required provide support to other parties, who maintain parts of the BHS on behalf of stakeholders including but not limited to;
 - a. EDS equipment.
 - b. Computer systems.
 - c. BSM's.
 - d. FIDS.
 - e. CCTV.
 - f. HVAC, maintenance.
 - g. Lighting, change/replacement.
 - h. Sprinkler, maintenance, testing.
 - i. Electrical services.

11.6. MAINTENANCE TOOLS AND EQUIPMENT

- A. The Contractor is responsible for providing tools and vehicles necessary to

complete preventative maintenance tasks not provided by the City. The Contractor shall maintain all such tools and vehicles provided as part of the preventative maintenance program including but not limited to;

- a. Radios and battery chargers.
 - b. Scissor lifts.
 - c. Hand tools.
 - d. Power tools.
 - e. Golf carts and battery charging stations.
 - f. Trucks.
 - g. Forklifts.
 - h. Shop equipment.
 - i. Office equipment.
 - j. Spare parts store equipment.
 - k. O&M computer servers/workstations.
 - l. Test instruments.
- B. The Contractor is required to keep all the City furnished and owned tools in good and safe operating condition, properly maintained and in good working order.
1. Any of the City tools, which needs to be replaced shall be replaced with the same manufacturer of equivalent quality and usability at the Contractors expense.
 2. Replacement of tools by an alternative manufacturer shall only be done if the alternative tool is of equivalent quality and usability and only when approved by the City at the Contractor's expense.
- C. The Contractor shall report to the City on any tools that have reached the end of its useful life and/or the cost of maintenance for a tool has become unreasonable or can no longer be maintained. A written summary report shall be provided to the City identifying the following.
1. The tool and an assessment of the tools condition.
 2. Current age of the tool.
 3. The reasons why the tool needs to be replaced.
 4. Previous costs associated with maintenance of the tool.
 5. Replacement tool being proposed.

11.7. PREVENTATIVE MAINTENANCE (PM)

11.7.1. GENERAL

- A. The Contractor shall perform preventative maintenance based on an agreed upon schedule in accordance with the OEM operation and maintenance manuals and the requirements of the City.
- B. The OEM preventative maintenance plan shall be a detailed plan for performing PM tasks.
- C. The Contractor shall submit the preventative maintenance plan to CCD

within thirty (30) days of operations commencing and shall resubmit whenever the Contractor materially alters either the plan or schedule.

- D. The Contractor shall adjust the OEM preventative maintenance plan (schedule and procedures) based on equipment usage, site conditions and/or under direction from the City, to ensure that equipment is properly maintained and not exposed to unexpected failure.
- E. The Contractor shall keep detailed records of all manpower and spare parts required to perform preventative maintenance tasks.
- F. The Contractor shall report to the City on any equipment that has reached its useful life and/or the cost of maintenance for a piece of equipment or an individual component has become unreasonable expensive to maintain or can no longer be maintained. A written summary report shall be provided to the City each quarter.

11.7.2. ADJUSTMENTS TO MAINTENANCE SCHEDULE

- A. Should the Contractor feel that the OEM inspections are no longer appropriate based on equipment usage and age, the Contractor shall adjust the inspection schedule as necessary to ensure that equipment is adequately inspected. Examples of changes to PM Activities based on usage include but are not limited to the following;
 - 1. Environmental filters in MCP's, cabinets, control stations due to contamination.
 - 2. High Speed Diverters/Power turns based on usage.
- B. The Contractor shall submit to the City any requested changes to the preventative maintenance plan for approval by the City.
- C. Modifications to the agreed schedule shall be properly documented including improvement in availability and reported in writing to the City within seventy-two (72) hours of the changes. A follow-up report shall be issued in writing to the City confirming the expected improvement in performance shall be submitted with thirty (30) days of changes being implemented.
- D. The Contractor shall properly document all changes made to the PM plan.
- E. All equipment whether in use or not in use shall have an inspection performed as a minimum once each calendar month.
- F. In the event that an inspection is performed later than expected, the next required inspection shall be performed as if the inspection had been completed as scheduled.
- G. In the event that an inspection is performed early, the next scheduled inspection shall reflect that the inspection was completed ahead of schedule such that the next inspection is completed at the required frequency.

11.7.3. TIMELY COMPLETION OF PM INSPECTIONS

- A. The Contractor shall ensure that all PM inspections are completed as follows.
 - 1. Weekly inspections, within one (1) day of the inspection becoming due.
 - 2. Monthly inspections, within three (3) days of the inspection becoming due.
 - 3. Quarterly inspections, within one (1) week of the inspection becoming due.
 - 4. Bi-annual inspections, within one (1) week of the inspection becoming due.
 - 5. Annual inspections, one (1) week of the inspection becoming due.

11.7.4. INDICATORS FOR POTENTIAL EQUIPMENT FAILURES

- A. The Contractor shall inspect all parts of the BHS and promptly initiate preventative action to correct any known defects including but not limited to;
 - 1. Abnormal, intermittent and/or excessive noise.
 - 2. Abnormal, intermittent and/or excessive vibration including vibration effecting other equipment.
 - 3. Tracking issues of conveyor belting, at no time shall belting mis-track into conveyor side walls.
 - 4. Proper alignment of conveyor components.
 - 5. Leakage of lubricants, such leakage shall be promptly cleaned up and disposed of in accordance with the City, Local, State and/or Federal regulations.

11.8. SCHEDULED CORRECTIVE MAINTENANCE

- A. The Contractor shall schedule repairs to minimize impact on Airline/Carrier operations and correct any equipment or operational deficiencies discovered as a result of periodic inspections performed by the Contractor's personnel or the City's.

11.9. UNSCHEDULED CORRECTIVE MAINTENANCE

11.9.1. GENERAL REQUIRMENTS

- A. The Contractor shall immediately assign resources to address any unscheduled corrective maintenance due to failure effecting operations without impact to other operations.
- B. Any unscheduled corrective maintenance due to failure not effecting operations shall be resolved within four (4) hours.

- C. The Contractor shall coordinate all unexpected repairs with Stakeholders including Airlines/Carriers, TSA, TSA equipment maintenance contractor(s), City maintenance, City operations and third parties as necessary to ensure that any impact to others is properly communicated and minimized.
- D. As necessary additional manpower shall be provided to complete corrective action and/or move baggage around the failure in order to minimize impact to operations.

11.9.2. CONTENTS OF REPORT FOR UNSCHEDULED MAINTENANCE

- A. The Contractor shall report all corrective maintenance performed on equipment that is unscheduled by the end of the business day and/or on demand as requested by the City. The report shall contain a detailed description detailing the following;
 - 1. Impact to Stakeholders.
 - 2. All manpower used to address the failure.
 - 3. Components replaced.
 - 4. Type and cause of failure.
 - 5. Maintenance history.
 - 6. Verification that daily inspections were completed.

11.10. VEHICLES

11.10.1. GENERAL

- A. All vehicles operated within the terminal, access tunnels and/or Concourses shall be CNG or battery powered in accordance with City rules and regulations.
- B. All Contractor vehicles and transportation equipment shall conform to all applicable rules, regulations, ordinances, city, state and federal laws, shall be maintained regularly, shall at all times be in a safe condition, and shall present a good appearance acceptable to the City.
- C. If a vehicle is removed from the premises for maintenance purposes, a substitute vehicle shall be provided for the time period the required vehicle is out of service.
- D. The Contractor shall provide all gas, maintenance, insurance, licenses, bonds, etc. for the vehicles.
- E. All such vehicles shall contain a company logo affixed on the sides of each vehicle. All required vehicles shall be dedicated to this Contract and shall remain on the Airport property at all times and be operable.
- F. The Contractor shall detail a complete list of vehicles to the City in their proposal which are being provided by the Contractor to operate and maintain the BHS in an efficient and timely manner, including but not

limited to;

- a. Golf carts.
- b. Truck(s).
- c. Passenger vehicle(s).

11.10.2. PASSENGER VEHICLES

- A. The Contractor shall ensure that all vehicles used in the operation and maintenance of the BHS shall be maintained in accordance with City requirements as if the vehicle is operated on a Public road.

11.10.3. FORK LIFTS

- A. The Contractor shall ensure that all fork-lifts used in the operation and maintenance of the BHS are maintained and kept in a safe operating condition.

TS-12. COMPUTERIZED MAINTENANCE MANAGEMENT SOFTWARE (CMMS)

- A. The City intends to utilize a Computerized Maintenance Management System (CMMS) to manage, plan, and document maintenance and related activities on the BHS. The Contractor shall utilize such CMMS to schedule and document time-phased preventative maintenance inspections and repairs, initiate system work orders, manage system resources, and track stock and ready stock parts utilization and inventory for all segments of the BHS and related systems. The Contractor agrees to populate and/or update the CMMS throughout the term of the Contract, as determined appropriate by the City.
- B. Until the City furnishes a central CMMS;
 1. The Contractor shall be responsible for providing, setting up, configuring, managing and maintaining a CMMS, which shall be used throughout the duration of the Contract until the City provides its own central CMMS.
 2. The Contractor furnished CMMS shall be operational within thirty (30) days after NTP.
 3. Once the City provides a central CMMS, the Contractor shall transfer all data and records from the Contractor provided CMMS to the City's provided CMMS at no cost to the City, within thirty (30) days of the City's CMMS becoming available.

TS-13. SPARE PARTS

13.1. GENERAL

- A. The City shall issue to the Contractor, the City's purchased Spare Parts as detailed in Appendix B: City Spare Parts below. The Contractor shall as a minimum maintain the City's issued Spare Parts to the same inventory levels provided by the City, ensuring components used to

maintain the BHS are promptly replaced to ensure adequate Spare Parts are on hand at all times for preventative and corrective replacement of parts.

- B. The Contractor shall be responsible for procurement and management of any Spare Parts and components not included in the City Spare Parts inventory at the outset of this Contract in order to properly maintain and operate the BHS. The cost of Spare Parts will be reimbursed by the City on a monthly basis based on received and delivered materials. All Spare Parts purchased and received shall be itemized to the City on the monthly invoice and accompanied by original receipts. The mark-up shall remain in effect throughout the term of the Contract.
- C. In the event that Spare Parts are exhausted in time of need that prevents the operation of the BHS or parts of the BHS, the Contractor shall be liable for any additional costs incurred as the result of expedited shipping and other costs to the City. Proper record keeping shall be maintained and the City shall be immediately notified of any such circumstances.
- D. The Contractor shall ensure that Spare Parts are stored in designated spare parts storage areas, are stored in an efficient and logical manner so that Spare Parts can be easily and speedily obtained minimizing time required to identify location and obtain replacement components.
- E. All Spare Parts, materials, equipment and consumables shall be kept in locked, secured areas of the BHS under the control of the Stores Officer. The Contractor shall develop and implement methods to prevent waste, theft, breakage or misuse of Spare Parts, materials, equipment and consumables.
- F. The Contractor shall maintain an inventory system, which shall include listings, sources, prices, and required quantities, reorder points for all Spare Parts, materials, equipment and consumables. The inventory system shall provide means to track orders and shipments prior to receipt. The inventory system should form part of the CMMS as required in § TS-12 above.
- G. The Contractor shall perform bi-annual audits and reconcile all Spare Parts. Inventory shall be reconciled for stock levels against the inventory system. A written audit report shall be provided to the City following audits for review containing the following.
 - 1. When the audit was performed.
 - 2. Ending stock quantity.
 - 3. Actual stock quantity on hand.
 - 4. Adjustment quantity.
 - 5. Adjustment value.
- H. The City reserves the right to perform its own audits of the inventory stock levels in conjunction with the Contractors participation at any time and frequency throughout the terms of the Contract.
- I. The Contractor is responsible for identifying stock level requirements and adjustments to the stock levels to insure the spares inventory is adequate

for BHS operations and maintenance. The Contractor shall notify in writing to the City a breakdown of the requested changes along with an explanation based on factual trends of parts usage and lead time for replenishment to support the request.

- J. All inventory, purchase, usage, and stock locations shall be recorded in the inventory system no later than by 09:00 AM of the morning following the date of the activity to insure proper records and audits can be easily accessed for accuracy.
- K. The Contractor shall work in cooperation with the City to ensure the purchase of spares/parts are procured using the most cost effective methods.

13.2. CITY SUPPLIED SPARE PARTS

- A. The City may choose to supply replacement Spare Parts to the Contractor, whom shall promptly place such parts into the BHS Spare Parts inventory. Any replacement Spare Parts provided by the City shall not be subjected to any markup under this Contract.
- B. Should the City decide to supply some or all Spare Parts for the use under this Contract, then the Contractor shall submit a list of the parts that are needed to the City for review. The list should be prepared to ensure delivery times are in keeping with the needs of the BHS maintenance.
- C. Should the City elect to purchase some or all of the parts on the list, these items shall be deleted from the approved monthly purchase list and the remaining items shall be purchased by the Contractor.
- D. The Contractor is not responsible for delivery in a timely manner or availability of Spare Parts ordered by the city.

13.3. EQUIPMENT UNDER WARRANTY

- A. Spare Parts for equipment under Original Equipment Manufacturer's warranty shall be provided to the Contractor by the appropriate manufacturer. If the manufacturer does not promptly supply the required Spare Parts under Warranty, the Contractor shall provide such Spare Parts as though the Warranty has expired.
- B. At the termination of this Contract the Contractor shall return to the City all Spare Parts and components. Title in and to all Spare Parts shall remain the property of the City.

TS-14. CONSUMABLES

- A. The Contractor shall furnish all such materials and supplies that are normally consumed in the conduct of a comprehensive preventative maintenance (PM) program for the covered systems and equipment as described herein.
- B. The Contractor shall keep an adequate supply of consumables on site to perform all maintenance of not less than one month's usage including, but

not limited to;

1. Miscellaneous and consumable items
2. Rags.
3. Oil and lubricants.
4. Cleaning chemicals and supplies.
5. Air filters, oil diapers.
6. Fuses.
7. Electrical clips and labels
8. Tapes.
9. Adhesives.
10. Standard nuts, bolts, fasteners and connectors.
11. Safety and environmental compliance materials

TS-15. RECORD KEEPING

- A. The Contractor is responsible for accurate record keeping and statistics in both electronic and hard copy format as applicable and approved by the City.
- B. All records, electronic or hardcopy shall be maintained on-site at the Airport at all times.
- C. The Contractor shall put in place mechanisms to ensure that backups and/or duplicate records are stored in a secured area such that a localized event (fire, etc) cannot destroy all records, as directed and provided by the City.
- D. Archived records shall be provided to the City at the end of each fiscal year within thirty (30) days.
- E. All records pertaining to the Operation and Maintenance of the BHS at the Airport shall remain the exclusive property of the City including, but not limited to the following;
 - a. System performance.
 - b. Equipment in use.
 - c. Cost associated with operation and/or maintenance at the Airport.
 - d. Manpower.
 - e. Carrier information.
 - f. BHS Usage.
 - g. Security status.
- F. The Contractor shall allow the City unrestricted access to all records pertaining to BHS Operations and Maintenance. The Contractor shall setup and maintain a minimum of five (5) username/passwords to allow the City access to any electronic information contained within the CMMS.

TS-16. REPORTING

16.1. GENERAL

- A. The Contractor shall maintain a good record keeping methodology so that

information of the BHS operation, performance and reliability can be readily and easily identified and reported.

- B. The Contractor shall provide reports of BHS operation as well as BHS Maintenance as required by the City and such reports shall be provided as requested.
- C. Reports shall be provided to the City in electronic format (PDF). Hard copies shall be provided by the Contractor available upon request by the City.
- D. As a minimum, the Contractor shall provide to the City all of the reports listed in this specification. All reports shall be dated and signed by appropriate personnel.
- E. The Contractor shall keep a log of all unscheduled E-stop events longer than five (5) minutes as part of record keeping. Each event shall be properly reconciled.
- F. Samples of the required reports have been produced and attached as Appendix G: Report Samples, to this specification. The Contractor may choose to provide standard and/or customized reports that do not conform to the layout of these samples, provided that all of the content defined in this specification and identified in the samples is provided.

16.2. DAILY REPORTS

16.2.1. GENERAL

- A. Daily reports shall be issued no later than 09:00 of the following business day.

16.2.2. SYSTEM OPERATION DETAILING

- A. Provide a system operation report to the City for each Module detailing the following items as a minimum
 1. Total bags processed per module.
 2. Total bags routed to CBRA.
 3. Total bags routed to each Make-up device.
 4. ATR read rates per array and system performance.
 5. Late/Misconnected bags.
 6. Damaged bags.
 7. Bag jams performance (maximum and average time).
 8. Total faults for the following.
 - a. MSP.
 - b. Jams.
 - c. HSD.
 - d. Doors.

- e. Fail-safe.
- 9. Daily pass-downs of events occurring the day.
- 10. Duties performed.
- 11. Scheduled and unscheduled corrective maintenance performed.

16.3. WEEKLY REPORTS

16.3.1. GENERAL

- A. Weekly reports shall be issued no later than 09:00 on a Monday or 09:00 of the next business day should Monday be a non-working day.

16.3.2. SYSTEM OPERATION SUMMARY

- A. Provide a weekly report to the City detailing the following items as a minimum;
 - 1. A summary of the daily reports submitted in the past week.
 - a. For ATR statistics provide the minimum and maximum values in lieu of individual components.
 - 2. A summary of all unscheduled corrective maintenance performed in the past week.
 - 3. A list with the 10 most frequent types of faults and a list identifying the equipment and/or 10 locations experiencing the most faults and/or bag jams. Such information shall be used to implement corrective counter measures to reduce the frequency of faults.
 - 4. Deficiencies identified by the City during inspections along with the classification of such deficiency. The progress of rectifying such deficiency shall be included and passed over on a weekly basis until such deficiency is rectified.

16.4. MONTHLY REPORTS

16.4.1. GENERAL

- A. Monthly reports shall be issued no later than 09:00 on the first day of the Month or 09:00 of the next business day should the first day of the month be a non-working day.

16.4.2. REPLACEMENT SPARE PARTS PURCHASING

- A. Provide a detailed breakdown to the City by the following categories;
 - a. Consumables.
 - b. High Speed Diverter components.
 - c. Transnorm Conveyors.
 - d. Portec Conveyors
 - e. Conveyor belting.

- f. Merge conveyor components.
- g. Motors.
- h. Gearboxes.
- i. Rollers.
- j. Bearings.
- k. Clutch/brake components.
- l. Colby claim/makeup components.
- m. BAE flat plates components (ski claims).
- n. Siemens flat plate components.
- o. Sterns/FKI claim/make-up components.
- p. VFD controllers.
- q. Sick ATR's/BMA's components.
- r. Metrologix ATR's components.
- s. Security and/or fire doors.
- t. Controls components.
- u. Network, Server and PC components.

16.4.3. EQUIPMENT REBUILT OR REFURBISHED.

- A. Provide a detailed report to the City of all equipment rebuilt or refurbished. Indicate the following minimum information;
 - 1. Who performed the work.
 - 2. When the work was completed/returned.
 - 3. Location component assembly was removed from.
 - 4. Description of the component/assembly.

16.4.4. SPARE PARTS BUDGET PERFORMANCE SUMMARY

- A. Provide a detailed budget summary to the City identifying areas, which performed under-/over budget detailing as a minimum the following;
 - 1. Actual budget.
 - 2. Actual expenditure.
 - 3. Difference between budget and expenditure as a percentage.
- B. Provide information by the following Categories;
 - a. Consumables.
 - b. High Speed Diverters (HSD).
 - c. Transnorm power turns.
 - d. Portec power turns.
 - e. Queue conveyors.
 - f. Transport conveyors.
 - g. Belting.
 - h. Merges.
 - i. Motors.
 - j. Gearboxes.
 - k. Rollers.
 - l. Bearings.

- m. Clutch/brakes.
- n. Colby carousels (claim/make-up).
- o. Ski claim carousel (BAE).
- p. Flat plate carousels (Siemens).
- q. Stern carousels (claim/make-up).
- r. VFD controllers
- s. SICK ATR/BMA.
- t. Metrologix ATR.
- u. Security doors.
- v. Controls Components.
- w. PLC.
- x. Network.
- y. Server/PC.

16.4.5. MANPOWER USAGE SUMMARY REPORT

- A. Provide a budget summary to the City identifying man-power usage by skill, for each area broken down by the following list as a minimum ;
 - a. Administration.
 - b. Scheduled Maintenance.
 - c. Preventative Maintenance.
 - d. Unscheduled Maintenance.
 - e. Daily Walkthrough.
 - f. Cleaning.
 - g. Training.
 - h. Operations.
 - i. Other.

16.4.6. SYSTEMS PERFORMANCE REPORT

- A. Provide System Performance information to the City detailing the following;
 - 1. Tracking.
 - 2. Baggage tag quality pass/fail test results by module, Airline/Carrier.
 - 3. ATR performance by Module.
 - 4. System data defined below;
 - a. System downtime effecting operations by Module.
 - b. System downtime not effecting operations by Module.
 - c. Screening equipment down time.
 - d. Total baggage processing by Module.
 - e. CBRA totals bags.
 - f. CBRA error bags.
 - g. Total bags to make-up.
 - h. Peak hour by Module.

- B. Provide Equipment reliability information to the City by the following categories by Module and System (total) as a minimum;
- a. High Speed Diverters (HSD's).
 - b. Transnorm power turns
 - c. Portec power turns
 - d. Queue conveyors
 - e. Transport conveyors
 - f. Merges
 - g. Motors
 - h. Gearboxes
 - i. Colby carousels (claim/make-up)
 - j. Ski claim carousel (BAE)
 - k. MU (Siemens)
 - l. Flat plate carousels (Siemens)
 - m. Stern carousels (claim/make-up)
 - n. SICK ATR/BMA
 - o. Metrologix ATR
 - p. Security doors
 - q. VFD's
 - r. Network
 - s. Server/PC
 - t. PLC
- C. Refer to § 9.3 above for calculation details.

16.4.7. SPARE PARTS EXCEPTION SUMMARY REPORT

- A. Provide a spare parts inventory exception summary report to the City including but not limited to the following list;
- 1. Reconciliation with the previous months report.
 - 2. All spares on order and outstanding.
 - 3. All spares ordered during the period of the report and not supplied during their expected lead time.
 - 4. All spares of a critical nature, which are not available on-site.
 - 5. Borrowed spares.
 - 6. Borrowed spares outstanding.

16.4.8. OUTSTANDING INSPECTION DEFICIENCY STATUS

- A. Provide a report to the City of inspection deficiency items by classification and planned rectification date.
- 1. Critical, effecting performance.
 - 2. Important, potential to effect performance.
 - 3. Non-critical, not anticipated as have any effect on operations.

16.4.9. TRAINING COMPLETED/OUTSTANDING REPORT

- A. Provide a detailed list to the City of training activities completed and outstanding for the month indicating the following as a minimum.
 - 1. Name of the person trained.
 - 2. Type of training performed.
 - 3. Date training was completed, was scheduled or has been rescheduled.
 - 4. Grade provided for training.

16.4.10. MTTR COMPLIANCE

- A. Provide to the City a report detailing compliance with MTTR requirements defined in this specification.
- B. Refer to § 9.6.B above.

16.4.11. INSPECTION AUDIT

- A. Provide to the City a report identifying Daily inspection audits.
- B. Refer to § 11.3.D above.

16.5. QUARTERLY REPORTS

16.5.1. GENERAL

- A. Quarterly reports shall be issued no later than 09:00 on the first day of January, April, July and October or 09:00 of the next business day should the first day of the month be a non-working day.

16.5.2. UPDATED SPARE PARTS BUDGET PROJECTIONS REPORT

- A. Provide an updated budget projection for Spare Parts to the City for the following 12 months. Detail the following information;
 - 1. Update Annual projection in USD.
 - 2. Monthly projection in USD for each of the following Categories;
 - a. High Speed Diverters (HSD's).
 - b. Transnorm power turns
 - c. Portec power turns
 - d. Queue conveyors
 - e. Transport conveyors
 - f. Merges
 - g. Motors
 - h. Gearboxes
 - i. Colby carousels (claim/make-up)
 - j. Ski claim carousel (BAE)
 - k. MU (Siemens)

- l. Flat plate carousels (Siemens)
- m. Stern carousels (claim/make-up)
- n. SICK ATR/BMA
- o. Metrologix ATR
- p. Security doors
- q. VFD's
- r. Network
- s. Server/PC
- t. PLC
- u. Other (not covered above).

16.5.3. MANPOWER ANALYSIS REPORT

- A. Provide a manpower analysis to the City based on minimum requirements. E.g. personnel attrition resulting in less than the requisite qualifications and efforts by the Contractor to comply. Detail the following information as a minimum;
 - 1. Required Hours.
 - 2. Actual hours provided.
 - 3. Shortage (if any).
- B. Provide information on the following staff categories;
 - a. Manager.
 - b. Office Manager.
 - c. Supervisor.
 - d. Controls System Technician.
 - e. Control Room Operator.
 - f. Stores Officer.
 - g. Machinery Maintenance Mechanic.
 - h. Entry Support Mechanic.

16.5.4. EQUIPMENT REPAIR STATUS/COST REPORT

- A. Provide a report to the City detailing the repair status and costs associated with the following categories for the past quarter (3 months);
 - a. Standard conveyors.
 - b. Power-turn conveyors (detailed by supplier).
 - c. Queue conveyors.
 - d. Merge conveyors.
 - e. Motors/Reducers.
 - f. High Speed Diverters.
 - g. Sick ATR's/BMA.
 - h. Metrologix ATR's.
 - i. Make-ups/Claims (detailed by supplier).
 - j. Lifts.
 - k. Security doors
 - l. VFD's
 - m. Monitors.

- n. Servers.
- o. Workstations.
- p. Network components
- q. Electrical components (specify).

16.5.5. END OF USEFUL LIFE.

- A. Refer to § 11.6.C above and § 11.7.1.F above.

16.6. BI-ANNUALLY REPORTS

16.6.1. GENERAL

- A. Bi-Annual reports shall be issued no later than 09:00 on the first day of January and July or 09:00 of the next business day should the first day of the month be a non-working day.

16.6.2. SPARE PARTS INVENTORY AUDIT AND RECONCILIATION REPORT

- A. Provide result of bi-annual audit to the City.
- B. Refer to § 13.1.G above.

16.6.3. TRAINING COMPLIANCE REPORT

- A. Provide a report to the City detailing compliance with training requirements.
 - 1. List all training completed.
 - 2. List all personnel whom received training.
 - 3. List all outstanding training.

16.7. ANNUAL REPORTS

16.7.1. GENERAL

- A. Annual reports shall be issued no later than 09:00 on the first day of January or 09:00 of the next business day should the first day of the month be a non-working day.

16.7.2. NEXT FISCAL YEAR SPARE PARTS BUDGET PROJECTIONS REPORT

- A. Provide a report to the City no later than sixty (60) days prior to the end of each contract anniversary detailing the budget projection for the next fiscal year. The report shall contain the following information as a minimum.
 - 1. Spare parts broken down by the following categories;
 - a. High Speed Diverters (HSD's).
 - b. Transnorm power turns

- c. Portec power turns
- d. Queue conveyors
- e. Transport conveyors
- f. Merges
- g. Motors
- h. Gearboxes
- i. Colby carousels (claim/make-up)
- j. Ski claim carousel (BAE)
- k. MU (Siemens)
- l. Flat plate carousels (Siemens)
- m. Stern carousels (claim/make-up)
- n. SICK ATR/BMA
- o. Metrologix ATR
- p. Security doors
- q. VFD's
- r. Network
- s. Server/PC
- t. PLC
- u. Other (not covered above).

16.7.3. SYSTEM PERFORMANCE REPORT

- A. Provide System Performance information to the City detailing the following;
 - a. Tracking.
 - b. Baggage tag quality by Airline/Carrier.
 - c. ATR performance by Module.
 - d. System downtime effecting operations by Module.
 - e. System downtime not effecting operations by Module.
 - f. Screening equipment down time.
 - g. Total baggage processing by Module.
 - h. CBRA totals bags
 - i. CBRA error bags
 - j. Peak hour by Module.
- B. Provide Equipment reliability information to the City by the following categories as a minimum;
 - a. High Speed Diverters (HSD)
 - b. Transnorm power turns
 - c. Portec power turns
 - d. Queue conveyors
 - e. Transport conveyors
 - f. Merges
 - g. Motors
 - h. Gearboxes
 - i. Colby carousels (claim/make-up)
 - j. Ski claim carousel (BAE)
 - k. MU (Siemens)
 - l. Flat plate carousels (Siemens)

- m. Stern carousels (claim/make-up)
- n. SICK ATR/BMA
- o. Metrologix ATR
- p. Security doors
- q. VFD's
- r. Network
- s. Server
- t. PLC

16.7.4. EQUIPMENT REPAIR STATUS/COST REPORT

- A. Provide a report to the City detailing the repair status and costs associated with the following categories for the past 12 months;
 - a. Standard conveyors.
 - b. Power-turn conveyors (detailed by supplier).
 - c. Queue conveyors.
 - d. Merge conveyors.
 - e. Motors/Reducers.
 - f. High Speed Diverters.
 - g. Sick ATR's/BMA.
 - h. Metrologix ATR's.
 - i. Make-ups/Claims (detailed by supplier).
 - j. Lifts.
 - k. Security doors
 - l. Workstations.
 - m. Monitors.
 - n. Servers.
 - o. Network components
 - p. VFD's
 - q. Electrical components (specify).

16.7.5. SAFETY AUDIT REPORT

- A. Provide the results of the safety audit to the City.
- B. Refer to § 6.9.6.A.2 above.

16.7.6. STAFFING SCHEDULE

- A. Provide a current and or updated staffing schedule to the City.
- B. Refer to § 6.1.L above.

16.8. REPORTS AS REQUIRED

16.8.1. ACCIDENT REPORTS

- A. The Contractor shall provide in writing to the City within seventy-two (72) hours a report of any and all accidents, thefts or injury to personnel employed by or sub-contracted to the Contractor or property damage irrespective of the Owner, of which the Contractor has knowledge arising

out of or in connection with the services hereunder.

- B. The Contractor shall promptly conduct a full investigation and provide details and statements of witnesses as part of the Accident Report. The Contractor shall make available its personnel to talk with investigators of accident or incident and, if necessary, to testify in legal proceedings.
- C. Written documents shall include events leading up to the incident, the persons involved, the injuries sustained and any other pertinent information. Witness statements shall also be included.
- D. The Contractor shall immediately render assistance and take all practical steps to protect and seek assistance for any and all persons injured in an accident.
- E. In the event of a death or serious injury arising from an accident to personnel employed by or sub-contracted to the Contractor, the Contractor shall immediately notify the City by any means available including telephone, SMS or in person.

16.8.2. EVENT REPORTS

- A. The Contractor shall provide event reports as required or as requested by the City. Event reports as a result of equipment failure or operational problems shall comprehensively document each event.
- B. Contents of Event Reports
 - 1. Description of the event.
 - 2. Timestamps for activities leading up to the event and subsequent activities.
 - 3. Actions taken by personnel
 - 4. Personnel contacted.
 - 5. Remedial activities outstanding.
 - 6. Impact to operations and/or Airlines/Carriers
- C. Provide with each event report as a result of equipment failure, previous maintenance information showing history and scheduled/unscheduled work shall be provided.
- D. Refer to § 10.8.1.O above, TS-10.8.2.B.3 above, TS-10.8.4.A.1 above.

16.8.3. O&M PLAN CHANGE REPORT

- A. The Contractor shall provide O&M change reports as required or as requested by the City. Such reports shall comprehensively document the changes implemented by the Contractor in respect to the O&M procedures and plans.
- B. Refer to § 11.7.2.B above.
- C. Contents of O&M Schedule Change Reports
 - 1. Existing O&M procedure.
 - 2. Modification to the procedure.
 - 3. Expected improvement in performance.

4. Actual improvement in performance.

16.8.4. STATUTORY REPORTS

- A. The Contractor shall prepare and provide statutory reports as required by Local, City, State or Federal law, ordinances or regulations to be submitted.

16.8.5. PLANNED ABSENCE OF KEY PERSONNEL

- A. Refer to § 6.8.1.D above, § 6.8.2.D above and § 6.9.1.D above.

16.8.6. FAILURE TO FOLLOW SWPP

- A. Refer to § 7.3.D above

16.8.7. UNSCREENED BAGGAGE REPORT

- A. Refer to § 10.7.B.3 above.

16.8.8. INTERIM INSPECTION REPORT

- A. Refer to § 21.3.D below.

16.8.9. ADDITIONAL EMPLOYMENT REPORT

- A. Refer to § 6.5.B above.

16.8.10. FAILURE EFFECTING OPERATIONS

- A. Refer to § 9.2.C above.

16.8.11. IMPACT PROTECTION DAMAGE REPORT

- A. Refer to § 11.2.4.C above.

16.8.12. STRANDED BAG SOLUTION

- A. Refer to § 10.5.B above.

16.8.13. ADJUSTMENT TO MAINTENANCE SCHEDULE

- A. Refer to § 11.7.2.C above.

16.8.14. UNSCHEDULED CORRECTIVE ACTION

- A. Refer to § 11.9.2.A above.

16.8.15. EMERGENCY BHS MODIFICATION

- A. Refer to § 21.2.A below.

16.8.16. REQUEST FOR BHS MODIFICATION

- A. Refer to § 21.3 below.

16.8.17. INTERIM INSPECTION REPORT

- A. Refer to § 21.3.D below.

TS-17. TRAINING

17.1.1. GENERAL

- A. The Contractor shall submit a detailed training plan to CCD within thirty (30) days of NTP. The Contractor shall resubmit the training plan whenever the plan is materially altered.
- B. This plan shall demonstrate a continuous job related training program covering specific BHS related tasks for each discipline performed by the employee during the normal course of each weeks work. Training shall be a continuous process performed each week.
- C. The Contractor shall provide each employee assigned to perform work under this Contract with adequate training in the duties assigned to perform the work competently. The Contractor shall establish a formal, written training program for each job classification and provide to the Contract Administrator a copy of its training manual, which shall be kept current with all amendments to the manual.
- D. The Contractor shall provide supervisory and management level training for all supervisors and managers performing work under this Contract. This training should include customer service and BHS specific training.
- E. The Contractor shall maintain a training record for each employee. The training record shall show, at a minimum, the employee's name, date of employment, and the type and date of each training class attended. Such records shall be made available to the Contract Administrator upon his/her request.
- F. The Contractor is responsible for training of all personnel working on the site, replacement training, including their own personnel and/or sub-suppliers, and provide all instructors, training aids and equipment/materials required to ensure that such personnel and sub-suppliers are fully proficient in the proper operation and maintenance of the BHS in compliance with all safety aspects. The Contract Administrator may, from time to time, monitor the conduct of training classes.
- G. Provide sufficient class-room and on-the-job training. Hands-on training using the BHS equipment and/or spare equipment shall be permitted provided it does not interfere with daily Airline/Carrier operations.

- H. The Contractor shall develop a procedure to identify competence and understanding of the training and each staff member shall obtain a passing grade prior to allowing any staff to operate and/or maintain the BHS.
- I. Where possible staff shall be fully cross-trained.
- J. Training shall be tailored to the audience being trained (e.g. Junior mechanics shall not be trained based on duties expected of more senior persons).
- K. Operations training shall be performed annually or more often as required.
- L. Maintenance training shall be performed annually or as new procedures/methods in performing maintenance are adopted.
- M. Refresher training for Control room Operators shall be performed every six months to ensure that they are fully conversant with BHS operations, handling unexpected events and implementation of fallback methods.
- N. Whenever a new method or procedure has been adopted and becomes part of the official SOP, the Contractor shall ensure that all persons requiring refresher training are fully trained within three (3) scheduled work days of the new SOP being put in place.
- O. Whenever a new Safe Work Practice and Procedure has been officially adopted, all persons shall be trained in the new SWPP before being allowed to operate and/or maintain any equipment related to the new SWPP within three (3) scheduled work days of the new SWPP being put in place.

17.1.2. MINIMUM REQUIRED TRAINING

- A. Safe Work Practices and Procedures (SWPP).
- B. Approved Standard Operating Procedures (SOP).
- C. Methods to inspect equipment and report possible/actual problems.
- D. Compliance with Material Safety Data Sheets.
- E. Compliance with all legally required or prudent safety practices.
- F. Baggage Hygiene Training and Control.
 - 1. The Contractor shall prepare, manage, and implement, in addition to and in support of the City's user video training course, a comprehensive program to train, monitor and correct (to include recurrent on-site training) all users of the BHS as necessary to ensure proper baggage hygiene, in coordination with the City and Stakeholders.
 - 2. The Contractor's program shall result in highly-trained system users to include airline employees, skycaps, ground handling service providers, baggage service companies, and any other personnel, who might introduce or otherwise handle airline baggage onto or

about the BHS. The Contractor shall notify the City of any consistent or extraordinary non-compliance with this universal program.

G. Safety training.

1. The Contractor shall provide all appropriate safety training. Such training shall include periodic updates and retraining to maintain first-class safety conditions and practices for all employees, including proper instruction in confined space entry, use of material safety data sheets and other legally required or prudent safety practices.

17.1.3. MINIMUM TRAINING RECORDS

- A. Detailed records of all training shall be maintained by the Contractor including, but not limited to, the following and shall be submitted to City.
 1. Training being performed.
 2. Each person being trained.
 3. When training was completed.
 4. Type for training (new, refresher, updated procedure, compliance, etc.).
 5. Obtained grade.

17.1.4. MINIMUM REFRESHER TRAINING

- A. The Contractor shall provide refresher training as necessary to ensure that all persons working in, around and/or on the BHS are fully conversant with the most current requirements.

TS-18. COMMUNICATION

18.1. GENERAL

- A. Communication to the Contractor from the City or to the City from the Contractor relative to any part of the Contract shall be in writing and considered delivered and the service thereof completed, when said communiqué is sent, by certified or registered mail, to the said party or delivered in person to said party or his authorized representative. Mailed notices shall be deemed effective upon deposit with the U.S. Postal Service.
- B. The parties may from time to time designate substitute addresses or persons where and to whom such correspondence are to be mailed or delivered, but such substitutions shall not be effective until actual receipt of written notification.
- C. The Contractor shall keep an up to date list of primary and secondary communication methods for all Stakeholders.
- D. All correspondence shall be serialized in accordance with instructions from the City.

18.2. COMMUNICATION WITH THE CITY

- A. The Contractor shall formally communicate with the City on contractual or commercial issues by electronic means only. Hardcopies of all communication shall be provided upon request by CCD..

Figure 6, Official Point of Contact

Item	Description
Attention	Dave Rhodes
Department	Planning and Development Construction, 7 th floor
Company	Denver International Airport
Building	Main Terminal Building, Airport Operations Building (AOB)
Address	8500 Peña Boulevard Denver, CO 80249 USA
Fax	303 342 2635
Email	dave.rhodes@flydenver.com

- B. Day to day operational communications shall be by email. The Contractor shall ensure that all email communications regarding BHS operations and/or maintenance are carbon-copied (cc'ed) to the following key persons;

Figure 7, Supplementary Points of Contact

Name	Email	Phone
Jennifer Harris	jennifer.harris@flydenver.com	303 342 2814
Peter Evans	peter.evans@flydenver.com	303 885 4398
Mike Blanton	michael.blanton@flydenver.com	303 358 7534

- C. The City may at its discretion update the above methods of communication at any time.

18.3. COMMUNICATION WITH CONTRACTOR

- A. The Contractor shall provide their Supervisor with a mobile phone capable of receiving and making telephone calls in more than ninety-five percent (95%) of the occupied BHS space.
- B. The phone shall be capable of sending and receiving emails and SMS in addition to telephone operation in order to receive system alerts. The Contractor shall promptly inform the City of any changes in the Supervisor phone number in order to update the delivery of system alerts.
- C. The phone shall be provided to the Supervisor and shall be carried by the

Supervisor at all times so as to be readily contactable and fully informed of alerts via email or SMS.

- D. Notices from the City to the Contractor shall be to the Contractor's office at Denver International Airport, 9176 Peña Blvd, Denver, Colorado 80249.

TS-19. FACILITIES

19.1. CONTRACTOR'S RESPONSIBILITIES

19.1.1. GENERAL

- A. The Contractor shall furnish all equipment, furniture, materials and consumables necessary and incidental to the performance of its BHS Operation & Maintenance services, except the equipment and vehicles required to be furnished by the City under this Contract.
- B. The Contractor is responsible for maintaining all equipment furnished by the City as part of this Contract including, but not limited to.
1. City Owned Equipment
 2. Computer workstations.
 3. Computer Servers.
 4. Software.
 5. Tools/appliances.
 6. Vehicles.
 7. CMMS (if provided by the City)
- C. The Contractor shall be responsible for all upkeep and general house-keeping of all areas provided by the City for use by the Contractor.
- D. All and any modifications made to the City provided facilities to the Contractor shall be approved in writing prior to any work commencing. Any approved work shall be completed in accordance with the City's rules and regulations and shall be at the expense of the Contractor.

19.1.2. EQUIPMENT PROVIDED BY CONTRACTOR

- A. Specifically, and without limiting the foregoing, the Contractor will provide and maintain the following:
1. A minimum of one (1) pickup truck, as well as sufficient electric carts that will be kept at the Airport to insure the Contractor's efficient operation at the Airport.
 2. Office furniture and equipment, including telephone service, for its offices at the Airport, which shall be of good quality and appearance and which shall be kept in good repair and replaced as necessary.
- B. The Contractor shall setup all facilities required to perform the work defined by the Contract.
- C. The Contractor shall allow the city unrestricted access to the facilities provided by the City as necessary for the City to perform inspections, maintenance and/or other needs requiring access.

19.1.3. REASONS TO VACATE PREMISES

- A. The Contractor shall immediately comply with all requests by the City to vacate the facilities, which are provided by the City, including, but not limited to the following reasons;
 - 1. Safety.
 - 2. Fire.
 - 3. Security.
 - 4. Threats to life and/or property.

19.2. THE CITY'S RESPONSIBILITIES

19.2.1. FACILITIES MADE AVAILABLE FOR THE CONTRACTOR

- A. The City shall make the following available for the Contractor in order to perform the scope of work defined herein;
 - 1. Designated office area in the Terminal L3, approximately 2150 sq.ft., inclusive of offices, storage and conference areas in the general area of grid references N19/W1.8 and N21/W3.
 - 2. Designated Spare Parts storage areas in the Terminal L3; Approximately 1950 sq.ft. in the general area of grid reference N22/W1.8 and N24/W3 plus approximately 2300 sq.ft. in the general area of grid reference N25.5/W2.4 and N27.5/W3.5.
 - 3. Designated workshop areas in the Terminal L3, approximately 1100 sq.ft. in the general area of grid references N21/W1.8 and N22/W3.
 - 4. Designated break rooms in the Terminal L3, approximately 450 sq.ft. in the general area of N21/W3.5 and N22/W4.
 - 5. Common restrooms adjacent to the designated office area, Terminal L3 in the general area of grid references N22/W3.5 and N23/W4.
 - 6. Designated golf cart parking area, adjacent to the designated office area, Terminal L3, approximately 800 sq.ft. in the general area of grid references N24/W3.5 and N25/W4, N23/W3 and N24/W4.
 - 7. Refer to Appendix A Facilities Map below.
- B. The City shall provide office space for the Contractor and access to toilet facilities and locker space for employees.
- C. The City shall make parking space available to the Contractor's employees in the Airport's Employee Parking Lot at rates established by the City.

19.3. PARKING

- A. The Contractor shall pay the Airport's parking fees for all parking spaces required by their staff and sub-contractors at the going rate throughout the term of the Contract. Parking shall be furnished at no cost to the employee.
- B. The City will provide the Contractor with six (6) close-in parking spaces at the cost of the Contractor.

- C. Additional parking spaces will be provided in off-site employee parking lots upon request with the Airport's parking division at the cost of the Contractor. Buses between the off-site parking lots and the Terminal operate to a published schedule (subject to change) and are provided by the City at no additional cost to the Contractor.
- D. All Contractor employees shall park in an area designated by the City. At no time shall it be permissible for employees to park their personal vehicles within the Public Parking facilities during work hours, unless they pay the full rate for their parking.

19.4. CONTRACTOR ACTIVITIES UPON NOTICE OF TERMINATION

- A. Discontinue performance under the Contract on the date specified in the Notice of Termination.
- B. Place no further orders or sub-suppliers for materials, services, or facilities except as may be necessary for completion of services to the date of termination.
- C. To the extent, manner and time, as directed by the City, in its sole discretion, assign to the City all of the rights, title, and interest of the Contractor under any outstanding orders for spare parts, equipment, expendables, and consumables and existing sub-contract agreements for parts, equipment, supplies and work performed exclusively at the Airport.
- D. Deliver to the City, to the extent, manner, and time as directed by the City, in its sole discretion, the completed, or partially completed documents, information, and other property, which would have been required to be furnished to the City had the Contract not been terminated.
- E. Deliver to the City, to the extent, manner, and time as directed by the City, in its sole discretion, all software, defined as computer programs and routines contained on magnetic tape, disc, semi-conductor device or other memory device or system memory including all documentation used to describe, maintain and use such programs and routines.
- F. Take such actions as may be necessary, or as the City may direct, for the protection and preservation of any property related to the Contract, which is the possession of the Contractor and in which the City has or may acquire an interest.
- G. Return the facilities to the same or better condition as received at commencement of the Contract. All repairs and schedule maintenance activities due prior to the date specified in the Notice of Termination shall have been completed.
- H. Provide the City with updated and current versions of all documentation used to execute this Contract. This shall as a minimum include, but not limited to;
 - 1. Operational Manuals.
 - 2. Maintenance Procedures
 - 3. As-Built Documentation
 - 4. Standard Operating Procedures

5. Management Plans.

- I. Return all spare parts provided by the City or purchased by the City under this agreement to the City in workable condition.
- J. Return all equipment provided by the City or purchased by the City under this agreement to the City in workable condition.
- K. Provide the City with a current and detailed list of all CMMS inventory in both hard copy and an agreed electronic format.
- L. Provide a complete data extract of the CMMS in a format readily transferable between different CMMS software packages.
- M. Remove all trash, debris in the Contractor occupied facilities.
- N. Remove all equipment in the Contractor occupied facilities not owned by the City.
- O. A certificate from the Contractor that all claims for labor arising from this Contract have been settled and that all expenses and invoices for materials, services and equipment have been paid by the Contractor.
- P. The Contractor shall provide the City with a complete release of all liens, which might arise from this Contract, for which the Contractor has been reimbursed by the City.
- Q. Vacate the facilities in a timely and orderly fashion.
- R. Make reasonable efforts for current employees to be available for interviews as potential new hires for the incoming contractor.

19.5. PROTECTION OF PROPERTY

- A. In the event of damage to any City facilities as a result of the Contractor's operations, the Contractor shall take immediate steps to notify the Contract Administrator and subsequently repair or restore all services to the satisfactory approval of the City. Further, the Contractor shall engage any additional outside services which may be necessary to prosecute repairs until services are restored. All costs involved in making repairs and restoring disrupted service shall be borne by the Contractor, and the Contractor shall be fully responsible for any and all claims resulting from the damage. The City, at its option, may elect to perform such repairs and deduct the cost of such repairs, replacements, and outside service from the amounts due to the Contractor under a monthly invoice.
- B. The Contractor will repair or be liable for the cost to repair any damaged City facilities or property when such damage is caused by the Contractor, its employees, agents or sub-contractors, to the extent that the cost of such repair is not covered by insurance provided by the City. Any insurance deductible will be the responsibility of the Contractor.

TS-20. INSPECTIONS

20.1. SITE INSPECTIONS

20.1.1. GENERAL

- A. Inspectors, either employees of the City or their representatives, may be assigned to inspect or observe the work. These inspectors will perform tests and observe the Contractor's work to determine whether or not work performed satisfies the requirements of this Contract. The Contractor shall, therefore, provide these inspectors access to the BHS as needed to perform the inspections, as well as whatever access is needed to off-site facilities used to store materials and components to be incorporated into the BHS.
- B. At any time the City can inspect the BHS operation and/or maintenance being performed by the Contractor.
- C. At any time the City can request the Contractor's presence during inspections of the BHS at no additional cost to the City. The Contractor shall not unreasonably delay attendance at such inspections.
- D. Any deficiencies identified by the City shall be addressed by the Contractor as a priority item with existing manpower and materials, provided it does not impact on system operations and scheduled preventative maintenance. In the event that identified work cannot be completed with the time frames below, the Contractor shall at their own cost provide the necessary resources to have the work completed.
- E. For the purpose of these inspections equipment subject to unreasonable wear and tear shall include;
 - 1. Unreasonable Equipment Conditions
 - 2. Excessive heat.
 - 3. Excessive wear.
 - 4. Distortion.
 - 5. Leakage.
 - 6. Unusual and or unexplained noise.
 - 7. Unusual vibration.

20.1.2. INSPECTION CLASSIFICATION

- A. Deficiencies will be classified by the City as follows;
 - 1. Priority 1
 - a. Work to be started immediately and be completed as soon as possible without affecting operations. Equipment in a condition where there is the potential for imminent failure and or damage to the equipment.
 - 2. Priority 2
 - a. Work to be completed within twenty-four (24) hours. Equipment in a condition where imminent failure is not

anticipated, but is subject to unreasonable wear and tear.

3. Priority 3

- a. Work to be completed within three (3) calendar days. Equipment not subject to imminent failure or unreasonable wear and tear but requires adjustment.

20.1.3. TOURS/DEMONSTRATIONS

- A. The Contractor shall accommodate tours of the BHS by the Airline/Carriers representatives as necessary to ensure the Carrier/Airlines are fully familiar with BHS operations in order to ensure proper induction, orientation and tagging of baggage.
- B. The Contractor shall accommodate tours of the BHS as requested by the City.
- C. The Contractor shall accommodate demonstrations of operating and maintenance procedures as requested by the City.

TS-21. MODIFICATIONS

21.1. GENERAL

- A. Changes to any part of the BHS shall only be made by the Contractor after written approval from the City with the exception of any changes required on an emergency basis in order to ensure safe and/or continued operation.
- B. Wherever possible modifications to the BHS shall be made using existing manpower and/or materials at no cost to the City.
- C. Any modifications made to the BHS by the Contractor shall comply with all the City, Local, State and Federal regulations and requirements applicable, at the time modifications are made.
- D. All authorizations and permits required to complete the work shall be the responsibility of the Contractor.
- E. The Contractor shall update all As-built documentation to reflect changes made by the Contractor.

21.2. CONTENTS OF EMERGENCY BHS CHANGE REPORT

- A. Any modifications made by the Contractor on an emergency basis shall be brought to the attention of the City no later than 09:00 on the next business day detailing the following;
 - 1. Work completed by the Contractor.
 - 2. Reason work needed to be completed.
 - 3. Reasonable additional costs associated with the work that the Contractor would not have normally covered by the work detailed in this Scope of Service.

21.3. REQUEST FOR BHS MODIFICATIONS

- A. Should the Contractor identify methods to improve efficiency either in time to operate, maintain and/or repair, performance and/or improvements in reliability of the BHS through modifications to any part of the BHS without degrading system performance the Contractor shall submit their recommendations in a proposal to the City for evaluation and approval. Each proposal for modifications to the BHS shall include as a minimum.
1. Description of the problem or issue that the modification will address and improve.
 2. Detailed description of the work to be done.
 3. Expected improvement as a result of the modification.
 4. Time schedule to complete the work on an individual basis and for all like equipment requiring modifications.
 5. Costs to the City associated with the modifications, if none, denote 'No cost'. Break out the following as a minimum;
 - a. Labor
 - b. Materials.
 - c. Overhead costs.
 - d. Fees (itemize permits, freight etc).
 - e. Taxes.
 6. Required time for implementing the modifications
 7. Post modification inspection schedule including inspection frequency and time frame to monitor modifications to verify effects from the agreed modification.
 8. The Contractor shall prepare a monitoring plan that includes roll-back procedures to the original condition in the event of unexpected results.
 9. Planned testing and commissioning procedures.
- B. Should the City request that the Contractor perform modifications to any part of the BHS in addition to work required by this specification, the Contractor shall promptly put together a detailed proposal for evaluation by the City, including as a minimum;
1. Detailed description of the work to be done.
 2. Time schedule to complete the work. If the work is required to be phased due to interference with airport operations, indicate so.
 3. Costs to the City associated with the modifications, if none, denote 'No cost'. Break out the following as a minimum;
 - a. Labor
 - b. Materials.
 - c. Overhead costs.
 - d. Fees (itemize permits, freight etc).
 - e. Taxes.

4. Post modification inspection schedule including inspection frequency and time frame to monitor modifications to verify compliance with the City's required modifications.
 5. The Contractor shall prepare a monitoring plan that includes roll-back procedures to the original condition in the event of unexpected results.
 6. Planned testing and commissioning procedures.
- C. Any modifications approved by the City and performed by the Contractor shall be monitored for a mutually agreed period between the City and the Contractor after the completion of the modification.
- D. During the monitoring period the Contractor shall submit interim inspection reports on a weekly basis until the completion of the monitoring period detailing the following items. In the event that no abnormal and/or unexpected results are identified after one month of inspections (assuming the inspection period exceeds one month), interim inspection reports can be issued every two (2) weeks. The interim inspection reports shall cover the following as a minimum.
1. Date/time inspections were completed.
 2. Inspections being completed.
 3. Abnormal and/or unacceptably unexpected results.
 4. Improvements identified.
 5. Bags processed during inspection period.
 6. Faults observed during inspection period.
 7. Correction of any punch list items identified through inspections or operational issues with the modified BHS
- E. At the completion of the agreed monitoring period, the Contractor shall submit a final report fully detailing the modification/inspections completed and report the effect the modifications has had on the operation. All interim inspection reports shall be attached.
- F. The City reserves the right to request site inspections with the Contractor to identify/observe the modifications and/or improvements as a result of the modifications at no cost to the City.
- G. In the event that the modifications have an unacceptably and/or adverse effect on operations/maintenance, the Contractor shall immediately proceed with revoke and remove the modification.

21.4. REQUEST FOR ADDITIONAL SERVICES

- A. The City, at its sole discretion may request the Contractor to perform certain Additional Services as authorized by the City in writing, which might involve extraordinary labor or material resources, and/or goods and services which may not be specifically provided for in the scope of services. Such tasks may include, but shall not be limited to repair and/or

replacement of certain system parts, components, or equipment necessitated by vandalism or accidental damage, source power malfunctions, or natural causes; installation of additional controls, components, or support/safety devices; minor system adjustments, modifications, or additions; or, specialized monitoring, repairs or enhancements, or processing services related to the operation and maintenance of the BHS.

- B. The Contractor will furnish a proposal for any such additional services requested, including a description, scope of work and the proposed fee(s) for such service.
- C. Any requests deemed to be outside the work defined by this specification shall be submitted to the City in writing within 24 hours of such request being made. The Contractor shall provide the following;
 - 1. A detailed explanation why work is deemed to be outside the scope of this specification.
 - 2. Manpower costs associated with completing the requested work.
 - 3. Material cost associated with completing the requested work.
 - 4. Overhead charges.
 - 5. The Contractor shall provide a detailed breakdown of costs and materials in their request for approval no later than EOB on the next business day.
- D. All additional work performed by the Contractor shall not interfere in any way (material, labor, scheduling or other) with daily BHS operations and/or maintenance.
- E. The Contractor shall perform additional works not defined in this document at the request of the City wherever possible with existing manpower and materials.
- F. Any work requested by the City that cannot be performed with existing manpower or materials at no additional cost to the City shall require written approval by the City prior to proceeding.
- G. The Contractor shall not proceed with the any work deemed to be outside the scope of this work until such time as the City has approved funding in writing.

TS-22. TITLES AND WARRANTIES

22.1. TRANSFER OF TITLE

- A. All materials provided under this Contract shall become part of the System including but not limited to, spare parts, equipment, and consumables inventory shall be and become the property of the City upon delivery or upon being especially adapted for use in or as a part of the System, whichever may first occur. The Contractor shall promptly furnish to the City such documents, which the City may request, assuring that title to such materials are in the City and are free of encumbrances, and

shall mark or otherwise identify all such materials.

- B. Title to any replacements parts, components or items of the BHS whether in use on the BHS or held in inventory, shall immediately vest with the City without further action by any party.
- C. Title to any replacements parts, components or items of the BHS removed from the BHS or inventory, whether surplus, faulty, failed or otherwise shall remain vested with the City and shall be disposed of only after consultation with the City and in accordance with the City's rules.

22.2. WARRANTY REQUIREMENTS

- A. The Contractor shall obtain warranties for all purchased and/or inventoried spare parts as follows and shall ensure that warranties are transferred to the City.
 - 1. New, one (1) year minimum.
 - 2. Repaired or refurbished, three (3) months minimum.
- B. The Contractor shall ensure that any additional and/or extended warranties available at no additional cost to the City are passed in their entirety to the City, including any warranty in excess of the minimum requirements defined above.
- C. The Contractor shall serve as the Warranty Administrator/Agent for any system warranty issues relating to the BHS system manufacturer or for any potential system modifications, enhancements, or additions that might take place prior to or during the term of the agreement.

APPENDIX A FACILITIES MAP

CONTRACTOR FACILITIES

Refer to the City drawing A1.0, rev 0

BHS LAYOUT

Refer to the City's drawing OVERVIEW, rev 2.0

APPENDIX B: CITY SPARE PARTS

Refer to attachment 'DEN Spare Parts'.

APPENDIX C: BHS INVENTORY

Refer to attachment DEN Inventory.

APPENDIX D: BHS EQUIPMENT LISTING (MANIFEST)

Refer to attachment DEN Equipment List.

APPENDIX E: SUPPORT CONTRACTS

BSM SUPPORT WITH ARINC

Duration 5 years

Paid Annually in installments

Expires 11/4/2012

Refer to attachment ARINC support contract.

SOFTWARE DEVELOPMENT KIT SUPPORT WITH FAIRCOM

Duration 1 year

Paid in full

Expires 4/25/2012

Refer to attachment Faircom SDK support contract.

VIRUS PROTECTION SUPPORT AND UPDATES WITH SYMANTEC

Duration 3 years

Paid in full

Expires 09/29/2013

Refer to attachment Symantec support contract.

SERVER HARDWARE SUPPORT

Duration 1 year

Paid in full

Expires 10/31/2012

Refer to attachment CHE support document

APPENDIX F: EXECUTIVE ORDER NO. 94 (DRUG & ALCOHOL POLICY)

Generally

Executive Order 94 (E.O. 94) prohibits city employees from being under the influence of drugs or alcohol while performing city business. In re Delgado, CSB 75-08, 1 (7/2/09).

Under this executive order, a first time drug or alcohol violator may avoid mandatory dismissal by entering into a stipulation and agreement, which includes treatment and follow-up testing. In re Delgado, CSB 75-08, 1 (7/2/09) citing E.O. 94.

Executive Order 94 applies to all city employees, separate and apart from DOT regulations that apply specifically to commercial driver's license holders. In re Delgado, CSB 75-08, 1 (7/2/09).

The federal DOT regulations grant employers broad discretion in disciplining employees who hold commercial drivers' licenses and who test positive for drug use. In re Delgado, CSB 75-08, 3 (7/2/09) citing *United Food and Commercial Workers Intern. Union v Foster Poultry Farms*, 74 F 3d 169, 171 (9th Cir. 1995); 59 Fed. Reg. 7502 (1994).

Employers and employees have the right to negotiate appropriate discipline and conditions of employment following a positive drug or alcohol test. In re Delgado, CSB 75-08, 3 (7/2/09) citing *Eastern Associated Coal Corp. v United Mine Workers of America*. 531 U.S. 57, 65 (2000).

Follow-up random testing under a stipulation and agreement after employee's positive drug test is not subject to DOT regulations governing testing of CDL license holders. In re Delgado, CSB 75-08, 3 (7/2/09), reversing In re Delgado, CSA 75-08 (1/30/09).

At career service hearing on appeal of dismissal for violation of stipulation and agreement under EO 94, city's drug and alcohol policy, agency needed to prove only that the tests performed by the breath alcohol technician accurately measured excessive blood alcohol level. In re Delgado, CSB 75-08, 4 (7/2/09).

Executive order 94, the city-wide policy concerning drugs and alcohol, is enforced in the same manner as the career service rules. In re Delgado, CSA 75-08, 2 (1/30/09).

Denver's career service system provides for merit-based appointment of applicants and performance-based retention of city employees. In re Sample, CSA 72-07, 5-6 (6/12/08), citing D.R.M.C. §18-1, rev'd on other grounds, CSB 10/16/08.

Violation Found

Follow-up drug and alcohol testing, required for continued employment under a stipulation and agreement, need not comply with DOT regulations controlling holders of CDL licenses. In re Delgado, CSB 75-08, 4 (7/2/09), reversing In re Delgado, CSA 75-08 (1/30/09).

Agency's failure to produce a printed blood-alcohol test pursuant to DOT regulations did not invalidate test under a stipulation and agreement pursuant to

city alcohol policy. In re Delgado, CSB 75-08, 4- 5 (7/2/09), reversing In re Delgado, CSA 75-08 (1/30/09).

Where appellant was to refrain from any alcohol consumption under his stipulation and agreement, and he told his supervisor he consumed alcohol the night before his alcohol test, appellant's admission is evidence, independent of his alcohol test, that he failed to comply with his stipulation and agreement. In re Delgado, CSB 75-08, 4- 5 (7/2/09), reversing In re Delgado, CSA 75-08 (1/30/09).

APPENDIX G: REPORT SAMPLES

Refer to attachment BHS O&M sample reports.

END OF TECHNICAL SPECIFICATION



PARTS STORAGE

GOLF CART PARKING

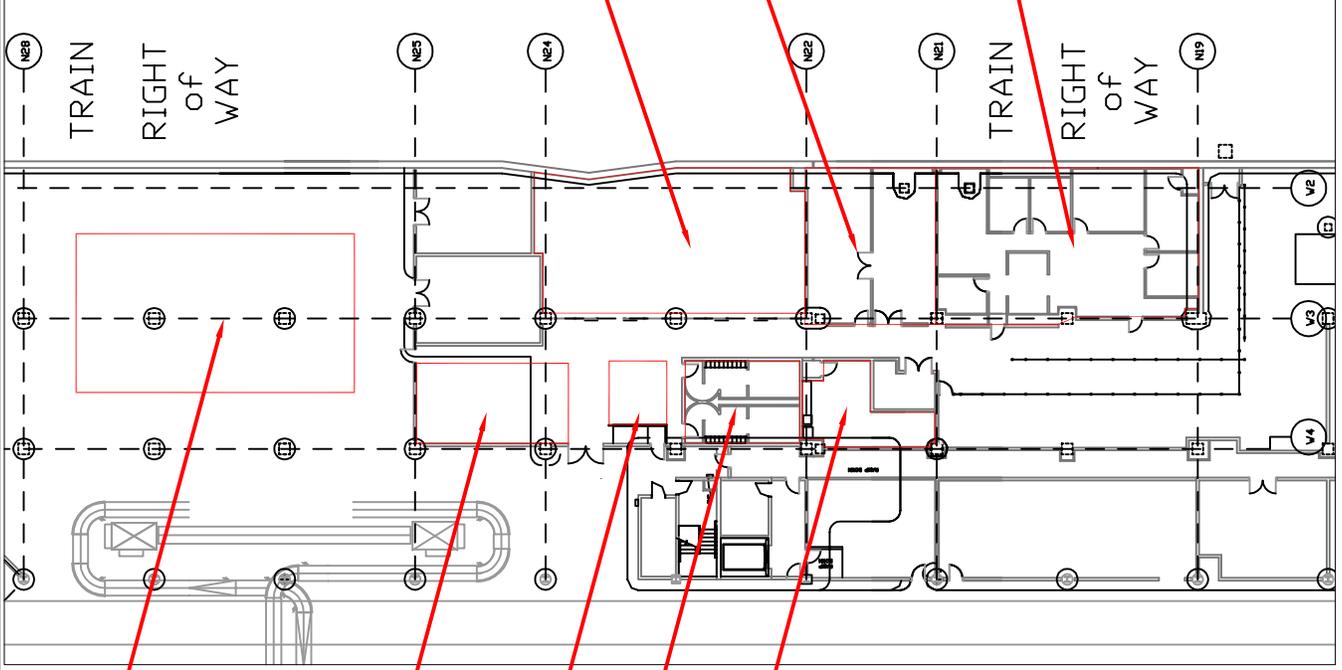
GOLF CART PARKING

COMMON REST ROOMS

BREAK AREA

APPROXIMATE SQUARE FOOTAGE OF AREAS—

- OFFICE AREA - 2150 SQ. FT.
- WORK SHOP AREA - 1100 SQ. FT.
- BREAK AREA - 400 SQ. FT.
- PARTS STORAGE - 4250 SQ. FT.
- GOLF CART PARKING - 800 SQ. FT.



CONTRACT NO. 20124107
APPENDIX A
CONTRACTOR FACILITIES

CITY & COUNTY
of DENVER
DENVER
INTERNATIONAL
AIRPORT



DESIGNER OF RECORD

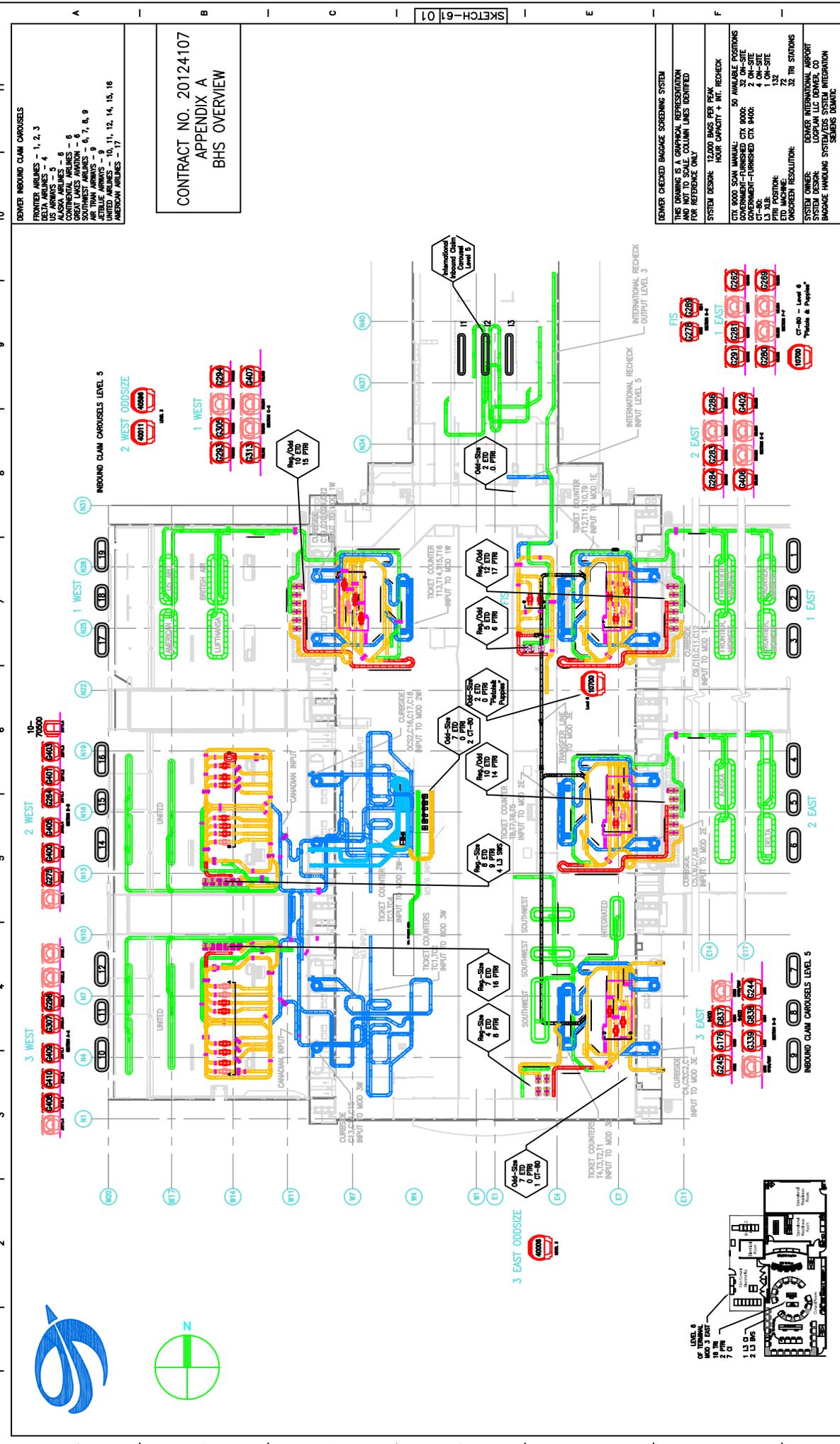


TERMINAL MOD1W
LEVEL 3
O&M CONTRACTOR AREAS

ISSUE RECORD
NO. DATE
1. 06/20/11
2. 07/20/11
3. 07/20/11

SCALE AS NOTED
DATE 6/20/11
DRAWN BY BCK
CHECKED BY
RJK
FAA AP NO.
WORK BREAKDOWN NO.
DESIGN CONTRACT NO.
CONST. CONTRACT NO.
VOLUME NO.
SHEET TITLE
TERMINAL MOD 1W
LEVEL 3
O&M CONTRACTOR
AREAS
SHEET NO. A1.0
CADD FILE NO. TERMINAL_LEVEL_3_V02.DWG





DENVER INBOUND CLAIM CAROUSELS
 FRONTIER AIRLINES - 1, 2, 3
 US AIRWAYS - 4
 ALASKA AIRLINES - 5
 CONTINENTAL AIRLINES - 6
 SOUTHWEST AIRLINES - 7, 8, 9
 AIR TRAVEL SYSTEMS - 10, 11, 12, 14, 15, 16
 AMERICAN AIRLINES - 17

CONTRACT NO. 20124107
 APPENDIX A
 BHS OVERVIEW

SKETCH-0101

DENVER CHECKED BAGGAGE SCREENING SYSTEM
 THIS DRAWING IS A GRAPHICAL REPRESENTATION FOR REFERENCE ONLY.
 SYSTEM DESIGN: 15,000 BAGS PER DAY
 HOUR CAPACITY: INT. RECHECK
 CITY: 8000 SQM MANUAL
 CITY: 8000 SQM AUTOMATIC
 GOVERNMENT-FURNISHED CTA: 8400
 4 ON-SITE
 13 ON-SITE
 72
 32 TR STATIONS
 DENVER INTERNATIONAL AIRPORT
 SYSTEM DESIGNER: LOUPLAN LLC DENVER, CO
 BAGGAGE HANDLING SYSTEMS/DESIGN SYSTEMS DESIGNER: DENVER, CO

FILE NO.	1 OF 1	
DRAWING NO.	OVERVIEW.2.3	
REV.	DATE	PERSON DESCRIPTION
2.3	11/JAN/12	ADDED ALE & INTERNATIONAL INBOUND
2.2	01/JUN/11	REMOVED BLUE ARROWS FOR 2&3 WEST
2.1	04/MAY/11	STAGES INSTALLED FOR OTHER
2.0	28/OCT/10	BAGS INSTALLED IN 3 EAST
1.9	02/MAY/07	CLOSE-OUT

DENVER INTERNATIONAL Airport
 Denver Co

DATE	08/09/04
BY	BM
CHK'D BY	BM
APP'D BY	BM
PROJ. MGR.	BM

DATE	11/JAN/12
BY	BM
CHK'D BY	BM
APP'D BY	BM
PROJ. MGR.	BM

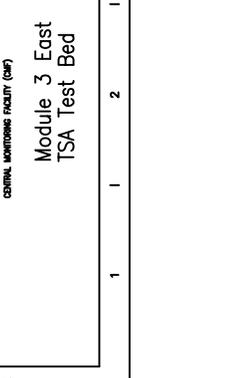
DATE	11/JAN/12
BY	BM
CHK'D BY	BM
APP'D BY	BM
PROJ. MGR.	BM

DATE	11/JAN/12
BY	BM
CHK'D BY	BM
APP'D BY	BM
PROJ. MGR.	BM

DATE	11/JAN/12
BY	BM
CHK'D BY	BM
APP'D BY	BM
PROJ. MGR.	BM

DATE	11/JAN/12
BY	BM
CHK'D BY	BM
APP'D BY	BM
PROJ. MGR.	BM

DATE	11/JAN/12
BY	BM
CHK'D BY	BM
APP'D BY	BM
PROJ. MGR.	BM



Module 3 East TSA Test Bed

CENTRAL SORTING FACILITY (CAF)

LEVEL 5

LEVEL 3 EAST

LEVEL 3 WEST

LEVEL 1 WEST

LEVEL 1 EAST

LEVEL 0

LEVEL -1

LEVEL -2

LEVEL -3

LEVEL -4

LEVEL -5

LEVEL -6

LEVEL -7

LEVEL -8

LEVEL -9

LEVEL -10

LEVEL -11

LEVEL -12

LEVEL -13

LEVEL -14

LEVEL -15

LEVEL -16

LEVEL -17

LEVEL -18

LEVEL -19

LEVEL -20

LEVEL -21

LEVEL -22

LEVEL -23

LEVEL -24

LEVEL -25

LEVEL -26

LEVEL -27

LEVEL -28

LEVEL -29

LEVEL -30

LEVEL -31

LEVEL -32

LEVEL -33

LEVEL -34

LEVEL -35

LEVEL -36

LEVEL -37

LEVEL -38

LEVEL -39

LEVEL -40

LEVEL -41

LEVEL -42

LEVEL -43

LEVEL -44

LEVEL -45

LEVEL -46

LEVEL -47

LEVEL -48

LEVEL -49

LEVEL -50

Appendix B City Spare Parts
DEN Spare Parts
Contract #201204994

Item No.	User-defined Field 1	Description	OnHand	AvgCost	Extended	Location
10013	MSB2CD012SZ1C2	MAGNA SHEAR BRAKE FOR TESTING	1	2,179.10	2,179.10	1ELSS2-4
10014	16085	SEAL SHAFT OIL	23	3.61	82.97	25 C
10027	2-17	BEARING INSERT ID 1-7/16 SQUEEZE LOCK	7	62.92	440.44	15 B
10033	4T557	GLOVE PROTECTOR ARC FLASH LEATHER	2	58.29	116.58	FAB AREA
10034	REBUILT	RBT VFD MICROMASTER 440 VFD 4HP 480 VAC	1	595.00	595.00	2 D
10078	NP-31	BEARING 1-15/16" MU	5	98.99	494.96	15 A
10086	HA261234	SWITCH HEAVY DUTY DISCONNECT AUXILLARY CONTACT	2	115.67	231.34	3 C
10088	225-2858-101 LH	RETURN ROLLER BRACKET FOR MERGE (LEFT SIDE)	4	56.46	225.83	18 B
10093	GE CR9500-600VMAX	IDA COIL 2 PLUGS &2 SPRINGS	4	500.00	2,000.00	9 B
10105	SH 1-1/4"	BUSHING QD SH 1-1/4"	2	15.00	30.00	21 C
10124	0234-1	MILWAUKEE MAGNUM HOLESHOOTER DRILL	3	135.30	405.89	TOOL BOARD 1
10129	AWG 14 THIN WIRE (PU	PURPLE 14 GUAGE WIRE	91	0.10	9.10	EAST WALL
10135	RBT VM3558	RBT VM3558T MOTOR	1	0.01	0.01	12 B
10136	RBT VBM3615T	RBT VBM3615T MOTOR	2	1.00	2.00	13 D
10158	225-2858-102 RH	RETURN ROLLER BRACKET FOR MERGE (RIGHT SIDE)	7	68.17	477.17	18 B
10232	080415-0017	RING RETAINER 3/8IN FOR DOOR LIMIT	8	0.55	4.40	20 B
10277	1-1/2" RGD	CONDUIT WASHERS WITH 1/2" HOLE	8	0.30	2.40	1 A
10283	1-11/16 SHAFT	SHAFT 1-11/16" KEYED	27	15.79	426.39	FAB AREA
10294	1-15/16 SHAFT	SHAFT DRIVE USED ON CLAIM UNIT STEARNS #67522 MU	9	17.58	158.22	FAB AREA
10298	1-3/16 SHAFT	SHAFT 1-3/16 SHAFT	14	42.00	588.00	WALL RACK
10300	1-3/4 SHAFT	SHAFT 1 3/4	20	82.20	1,644.00	WALL RACK
10301	1-3/4" RGD	CONDUIT WASHERS WITH 3/4" HOLE	11	0.33	3.63	1 A
10305	1-7/16 SHAFT	SHAFT 1-7/16 SHAFT W/OUT KEYWAY	12	7.74	92.93	FAB AREA
10330	1/0 WIRE	1/0 WIRE 125 AMP FOR MCP	9	2.40	21.60	EAST WALL
10336	1/2" SPINDLES	1/2" SPINDLES FOR SECURITY DOORS	6	105.00	630.00	23 C
10370	100492	COUPLER CHAIN ASSY 6020 FOR MU & CLAIMS	2	19.36	38.72	20 C
10377	60 BTL 21 TEETH 2012	SPROCKET 60 BTL 21 TEETH 2012	11	60.00	660.00	20 B
10388	100691	METER HOUR DATCON	2	32.50	65.00	44 A
10389	10084-47	SPRING FOR RELIEF VALVE SCISSOR LIFT	16	0.00	0.00	23 B
10390	100A23	SPROCKET 100 B 23 TEETH 2-3/8	7	128.62	900.34	20 B
10393	100C12D10	MOTOR STARTER REPLACES LC1D12 10	3	78.72	236.16	44 D
10404	101787-1	TO3 DOOR GEARBOX	1	525.90	525.90	20 D
10406	1018672	CODE READER CLV 4906010 SICK REPAIR	3	1,984.40	5,953.20	2 E
10417	10250T1	CONTACT BLOCK	1	30.50	30.50	45 C 1
10418	10250T2418	SWITCH CUTLER HAMMER ROTO-PUSH SWITCH	11	15.25	167.75	45 C 6
10433	105-5307-101	BUSHING HUB FOR SNUB ROLLERS	17	5.88	99.88	23 B
10439	105603100BPF	BRAKE STEARNS BRAKE	4	360.68	1,442.71	13 E
10443	105604100DPF	BRAKE STEARNS SMALL	2	384.45	768.90	13 F
10444	105606100DQF	BRAKE STEARNS BRAKE FOR BM3615T	1	474.76	474.76	13 F
10450	107 TAB	TORQUE ARM BRACKET BROWNING	29	0.00	0.00	18 A
10459	107858-0001	BUSHING LIMIT SWITCH .38 ID CLAIM DOOR	3	2.05	6.15	19 B

Item No.	User-defined Field 1	Description	OnHand	AvgCost	Extended	Location
10460	107859-0001	BUSHING LIMIT SWITCH .31 ID CLAIM DOOR	3	1.85	5.55	19 B
10461	107880-0001	WORM LIMIT SWITCH CLAIM DOORS	7	15.00	105.00	20 B
10462	107881-0001	GEAR ASSY DOOR LIMIT SWITCH	1	20.65	20.65	19 B
10463	107881-0002	SHAFT FOR THE WORM GEAR SECURITY DOORS	3	27.00	81.00	19 B
10465	107906-1	BRAKE ARMS UNIT FOR CLAIM DOORS	6	11.72	70.32	20 B
10470	107SMT25	REDUCER 25.84:1 107SMT25 AY1743 INLINE SFTMT	1	329.69	329.69	REDUCER RACK
10473	107TAK	TORQUE ARM ASSY 5/8	5	15.00	75.00	18 A 5
10476	107XM05	REDUCER GEAR 5.0833:1 CLASS 9.01	3	319.50	958.50	REDUCER RACK
10477	107XM09	REDUCER GEAR 9.2135 :1 CLASS 6.60	4	339.00	1,356.00	REDUCER RACK
10478	107XM15	REDUCER GEAR 13.9792:1 CLASS 6.60	2	339.50	679.00	REDUCER RACK
10479	108 135 0002	OVERHEAD DOOR DRIVE BELT (108-135-002)	4	6.00	24.00	5 E
10480	108 135 0004	OVERHEAD DOOR DRIVE BELT (108-135-004)	6	6.00	36.00	5 E
10481	108-0539-001	WEAR STRIP MAKEUP UNIT	1	62.73	62.73	16 A
10491	108441.0015S	MOTOR SECURITY DOOR ON TO3 MOTOR	1	249.00	249.00	23 D
10492	105808-0001	LIMIT SWITCH CAM CLAIM DOORS 2 CAN ASSY	3	38.70	116.10	20 B
10493	108703100 QF	BRAKE STEARNS	2	455.39	910.78	13 F
10496	109226-001	V-BELT FOR TO3 SECURITY DOORS	2	21.11	42.22	20 B
10499	109958.0001.S	PULLEY TO3 SECURITY DOORS	2	32.91	65.82	20 B
10547	1108 X 1 KW	BUSHING TAPER LOCK 1108 1" KW	3	15.00	45.00	21 C
10559	11138	SEAL ELECTRAGEAR FAN SEAL	13	3.33	43.30	25 C
10597	114-1666-001	ARM LEVER CONV STOP ODD SIZE	5	74.00	370.00	23 C
10598	114-1672-001	PUSH PIN CONVEYOR STOP ASSY DUAL ODD SIZE	8	65.93	527.43	23 C
10599	114-1693-002	SPACER HUB W/O KEYWAY FOR BAE ODD SIZE WHEEL	5	125.00	625.00	23 A
10600	114-1701-001	ODDSIZE CONVEYOR DOG STOP SHAFT	22	135.00	2,970.00	23 B
10601	114-1751-001	OD SIZE SNUB ROLLER SHAFT 9" X 11/16" HEX	9	4.50	40.50	23 A
10610	507-67401W	CLAIM S/S PALLET SUPPORT WELDMENT SPLINE FOR MU	4	200.00	800.00	20 D
10629	117076	BUSHING TAPER LOCK 1108 7/8 KEYWAY HSD	4	8.96	35.84	21 C
10631	117080	BUSHING TAPER LOCK 1210 1-1/8 KEYWAY	5	8.17	40.85	21 C
10633	117083	BUSHING TAPER LOCK 1610 15/16 KEYWAY	3	12.00	36.00	21 C
10637	117089	BUSHING TAPER LOCK 2012 7/8 KEYWAY	3	15.68	47.04	21 C
10640	117093	BUSHING TAPER LOCK 2012 1-11/16 KEYWAY	15	13.00	195.00	21 C
10652	117158	BUSHING TAPER LOCK 1610 3/4 KEYWAY	10	8.04	80.40	21 C
10654	117161	BUSHING TAPER LOCK 1610 1-1/4 KEYWAY	11	6.50	71.50	21 C
10655	117162	BUSHING TAPER LOCK 1610 1-7/16 KEYWAY	4	6.36	25.44	21 C
10657	117167	BUSHING TAPER LOCK 2012 1-7/16 KEYWAY	8	18.00	144.00	21 C
10674	118211	SHEAVE TAPER LOCK 1210 2A3.0B3.4	7	50.00	350.00	21 B
10675	118212	SHEAVE TAPER LOCK 1210 2A3.2B3.6	6	80.00	480.00	21 B
10676	118215	SHEAVE TAPER LOCK 1610 2A3.8B4.2	1	80.00	80.00	21 B
10677	118216	SHEAVE TAPER LOCK 1610 2A4.0B4.4	3	0.00	0.00	21 B
10678	118217	SHEAVE TAPER LOCK 1610 2A4.2B4.6	8	50.00	400.00	21 B
10679	118218/5051044-158	SHEAVE TAPER LOCK 1610 2A4.4B4.8	4	50.00	200.00	21 B
10680	118219	SHEAVE TAPER LOCK 1610 2A4.6B5.0	6	15.00	90.00	21 B
10682	118221	SHEAVE TAPER LOCK 1610 2A5.0B5.4	10	50.00	500.00	21 B
10683	118222	SHEAVE TAPER LOCK 1610 2A5.2B5.6	3	80.00	240.00	21 B
10684	118223	SHEAVE TAPER LOCK 1610 2A5.4B5.8	1	35.00	35.00	21 B

Item No.	User-defined Field 1	Description	OnHand	AvgCost	Extended	Location
10687	118226	SHEAVE TAPER LOCK 1610 2A6.0B6.4	1	50.00	50.00	21 B
10690	118306	SHEAVE TAPER LOCK 1610 2A3.4B3.8	2	80.00	160.00	21 B
10691	118307	SHEAVE TAPER LOCK 1610 2A3.6B4.0	12	80.00	960.00	21 B
10712	119215	BUSHING TAPER LOCK 1610 3/4 INTEGRAL KEY	7	15.00	105.00	21 C
10719	119226	BUSHING TAPER LOCK 1610 1-7/16 INTEGRAL KEY	14	5.00	70.00	21 C
10727	1194VSR	MERGE	1	235.00	235.00	TOOL BOARD 1
10743	1204-009	MOTOR CONTROLL FOR EZ GO	1	350.00	350.00	19 B
10746	120407	BUSHING QD SDS 1-11/16	2	8.00	16.00	21 C
10748	120428	BUSHING QD SK 1-7/16"	14	35.00	490.00	21 C
10749	120432	BUSHING QD SK 1-11/16"	7	18.40	128.80	21 C
10760	1210 3/4" KEY	BUSHING TAPER LOCK 1210 3/4" KEYED	1	6.32	6.32	21 C
10766	121S-120A	BEACON 120VAC ROTATING WARNING LIGHT AMBER	4	111.50	446.00	44 B
10768	121S-120R	BEACON VITALITE WITH RED DOME	1	195.00	195.00	44 B
10797	125-2791-001	SHAFT ODDSIZE 13/16 X 5	2	16.25	32.50	23 B
10798	125-2797-003	TICKET COUNTER CONVEYOR COVER	2	160.00	320.00	-
10799	125-2797-004	TICKET COUNTER CONVEYOR COVER	2	160.00	320.00	-
10800	125-3328-133	DRIVE ROLLER FOR BAE MERGE	2	0.00	0.00	ROLLER RACK
10810	126812/P2B-SCM-111	BEARING 2-BOLT PILLOW BLOCK ID 1-11/16 P2B-SCM-111	2	84.98	169.96	15 A
10820	128505	BEARING ID 1-11/16	4	30.00	120.00	15 A
10824	129-106-1	PROX MOUNTING NUT	5	8.50	42.50	45 F
10868	13534	SEAL	6	0.00	0.00	25 C
10874	14 AWG THHN	14 AWG THHN (Red Wire)	61	0.06	3.66	EAST WALL
10879	14 THHN WIRE	14 AWG WIRE WHITE	425	0.11	46.75	EAST WALL
10997	1492-H	FUSE BLOCK A-B #1492-H	8	6.65	53.20	44 E
11000	1492-H5	FUSE BLOCK 12A 1POLE 300V	2	7.46	14.92	44 F
11007	1492-N13	TERMINAL BLOCK	46	1.55	71.51	44 F 1
11008	1492-N16	TERMINAL BLOCK	50	0.57	28.50	44 F 1
11009	1492-N2	TERMINAL BLOCK	98	0.05	4.90	44 F 3
11011	1492-N23	TERMINAL BLOCK HEAVY DUTY END ANCHOR	5	4.91	24.55	44 F 1
11013	1492-N3	HORSESHOE JUMPER	150	0.01	1.50	44 F
11015	1492-N37	FUSE BLOCK END BARRIER	18	0.53	9.54	44 F
11016	1492-N38	HORSESHOE TERMINAL JUMPER	50	0.02	1.00	44 F 4
11020	1492-PD3141	DISTRIB BLOCK A-B SIEMENS	1	10.25	10.25	44 F
11021	1492-PD3183	DISTRIB BLOCK A-B SIEMENS	1	0.00	0.00	44 F
11023	1492-PD3C141	POWER BLOCK TERMINAL	1	85.95	85.95	44 F 5
11024	1492-PDM3141	DISTRIB BLOCK A-B SIEMENS	1	0.00	0.00	44 F
11032	1492-W10	TERMINAL BLOCK SINGLE CIRCUIT 57A 800V 8MM2 GRAY	4	0.99	3.96	44 F
11033	1492-W4	TERMINAL BLOCK 30A SINGLE FEED THROUGH GRAY	16	2.00	32.00	44 F
11046	1494R-N2	CONNECTOR LUG	6	2.75	16.50	44 F
11048	1494R-N30	DISCONNECT SWITCH 30 AMP	4	45.50	182.00	25 A
11050	1494R-N4	OPERATOR ROD(SIEMENS)	1	0.00	0.00	SHELF 73
11057	1494V-DRL611	DISCONNECT SWITCH KIT FUSIBLE FLANGED 100A	1	250.00	250.00	25 A
11058	1494V-DRL622	DISC SWITCH KIT	1	250.00	250.00	25 A
11059	1494V-DRL633	FUSEABLE DISCONNECT SWITCH	1	650.00	650.00	25 A
11060	1494V-DRL644	FUSEABLE DISCONNECT SWITCH	1	827.40	827.40	25 A

Item No.	User-defined Field 1	Description	OnHand	AvgCost	Extended	Location
11061	1494V-DRL666	FUSEABLE DISCONNECT SWITCH	1	650.00	650.00	25 A
11062	1494V-DS100	DISCONNECT SWITCH KIT 100A 3PH 3P 575V 75HP	1	150.00	150.00	25 A
11063	1494V-DS200	DISCONNECT SWITCH KIT 200A 600VAC 250VDC MAX	1	713.36	713.36	25 A
11065	1494V-FRS611	FUSE DISCONNECT SWITCH	1	65.00	65.00	SHELF 73
11066	1494V-FRS662	FUSE BLOCKS	2	55.00	110.00	SHELF 73
11078	14AWG 14/4C	CABLE 4/C 14 AWG 600 VOLT	22	0.94	20.68	EAST WALL
11081	14MGT-1120-20	POLY CHAIN FOR HSD	4	104.94	419.76	5 E
11082	14MGT-1190-20	POLY CHAIN GT2 BELT 14MGT-1190-20	2	90.68	181.37	5 E
11083	14MGT-1260-20	POLY CHAIN COGGED GT2 BELT	3	72.38	217.14	5 E
11088	15-48B9AXX	SPROCKET 35 B 18 TEETH 1" KEY	1	6.43	6.43	20 B
11090	150 OHM	RESISTOR	16	1.00	16.00	BOWMAN 1
11092	150-A16NB	CONTROLLER 16A SMC2 380-480V OPEN TYPE	3	150.00	450.00	44 E
11111	154-A11NB	SOFT START	2	350.00	700.00	44 E 5
11120	157-22Q200	MIDTEX RELAY	3	27.96	83.87	44 A 6
11157	117082	BUSHING TAPER LOCK 1610 7/8 KEYWAY	2	20.00	40.00	21 C
11174	168-87.063	BELT QUEUE 42"BED 87"LG	5	1.00	5.00	14 B
11183	1700H 150	BELT TIMING COGGED HSD	4	82.61	330.44	5 E
11184	1708510	BLADE PULLEY TIRE	6	5.50	33.00	FAB AREA
11210	17448	SEAL	1	6.50	6.50	25 C
11220	1747-L40A	PLC SLC-500 PROCESSOR	2	931.50	1,863.00	46 E
11227	1756-OA16I	PLC AC ISOLATED OUTPUT MODULE	1	358.15	358.15	44 G
11229	1756-A10	PLC CONTROL LOGIX CHASSIS 10 SLOT	1	347.41	347.41	44 G
11230	1756-A13	PLC CONTROL LOGIX CHASSIS 13 SLOT	1	419.04	419.04	45 A
11231	1756-A17	PLC CONTROL LOGIX CHASSIS 17 SLOT	1	60.89	60.89	45 A
11236	1756-CNBR	PLC CONTROL LOGIX REDUNTANT CONTROLNET	1	1,065.83	1,065.83	44 G
11238	1756-ENBT	PLC CONTROL LOGIX ETHERNET COMMUNICATION	1	1,110.27	1,110.27	44 G
11240	1756-IA16	PLC CONTROL LOGIX 16-PT 20PIN 120VAC INPUT	6	250.71	1,504.26	44 G
11243	1756-IB16	PLC CONTROL LOGIX DC INPUT MODULE	1	200.56	200.56	45 A
11247	1756-MVI	PLC MVI MODULE	2	1,002.82	2,005.64	45 A
11249	1756-OA16	PLC CONTROL LOGIX 16-PT 120VAC OUTPUT	1	239.00	239.00	44 G
11251	1756-OW16I	PLC CONTROL LOGIX RELAY ISOLATED OUTPUT 16PT AC/DC	1	604.01	604.01	45 A
11253	1756-PA72	PLC CONTROL LOGIX POWER SUPPLY	2	515.74	1,031.48	45 B
11275	1771-0AD	PLC OUTPUT MODULE	5	362.45	1,812.25	25 A
11276	1771-1AD	PLC INPUT MODULE	6	257.01	1,542.06	25 A
11277	1771-A1B	PLC 12 SLOT I/O CHASSIS	1	250.00	250.00	25 A
11278	1771-A2B	PLC 12 SLOT I/O CHASSIS	2	280.08	560.16	25 A
11279	1771-A3B	PLC 12 SLOT I/O CHASSIS	1	385.52	385.52	26 A
11280	1771-A4B	PLC 12 SLOT I/O CHASSIS	2	534.00	1,068.00	26 A
11281	1771-ASB	PLC REMOTE I/O ADAPTER	1	790.80	790.80	26 A
11282	1771-CP1	PLC POWER SUPPLY CABLE	1	25.00	25.00	43 A
11283	1771-CP2	PLC INPUT ADAPTER CABLE	1	98.85	98.85	26 A
11284	1771-IBD	PLC INPUT MODULE 10-30 VDC	3	224.06	672.18	26 A
11285	1771-P7	PLC POWER SUPPLY	4	655.71	2,622.84	26 A
11292	1784 PCM5-1	PLC PC TO PLC CABLE	2	25.00	50.00	43 A
11294	1785-L40B	PLC 5/40 PROCESSOR MODULE	3	6,854.10	20,562.30	46 C

Item No.	User-defined Field 1	Description	OnHand	AvgCost	Extended	Location
11297	1785ME64	MODULE MEMORY	1	150.00	150.00	26 A
11299	1786-BNC	CABLE CONNECTOR	19	8.01	152.17	45 A
11300	1786-TPS	CABLE TAP	5	0.00	0.00	45 A
11303	1786-TYPS	CABLE CONTROLNET COAX Y-TAP W/STRAIGHT BNC COUPLER	4	7.58	30.32	LEADS CABINET
11306	17907-0001	UHMW COUNTER WT. SLIDE TO LIFTS	25	23.52	588.00	23 C
11307	17907-0002	UHMW COUNTER WT. BOTTOM TO LIFTS	13	51.08	664.00	23 C
11357	18536	SEAL	10	9.67	96.69	25 C
11365	190121	GROMMET TOOL KIT	2	142.00	284.00	21 A
11366	190130	GROMMET PORTEC	82	0.50	41.00	21 A
11431	195-1022-001	RETURN ROLLER MOUNTING BRACKET	17	12.00	204.00	18 B
11435	19762	SEAL OUTPUT BROWNING 107SMT09 AY1743	9	3.64	32.77	25 C
11436	198-0020-001	SHEAVE POLY CHAIN PULLEY	5	105.00	525.00	21 B
11441	199DR	MOUNTING STRIP	8	5.00	40.00	1 A
11468	AGC-15	FUSE 15A FAST ACTING GLASS	15	3.69	55.35	EAST WALL
11473	1CE20	BOLT SHOULDER 5/8 X 11 X 2-1/2 HSD SPROCKET	2	10.24	20.48	22 B
11480	2V328	100W INCANDESCENT BULB	13	1.49	19.31	19 A 5
11497	1DKK5	CLAMP SET FOR WIRE ROPE 3/16"	9	3.64	32.74	-
11498	1DLA9	3/16" WIRE ROPE VNYL COATED 250' 1/4 OD	189	0.55	103.95	10 C
11499	1DLC1	WIRE ROPE 50' FOR FIS 3E	20.5	1.09	22.35	10 C
11501	1DLJ7	WINCH CABLE 7/32 25FT FOR DAYTON WINCH	1	52.88	52.88	10 C
11502	1E619	MINI BULB 756 14V 0.08 A UAL	6	2.03	12.18	19 A
11508	1F1R003	TRANSFORMER	1	0.00	0.00	26 B
11567	1P035	FEDERAL SIGNAL LAMP	8	4.72	37.75	19 A 1
11597	1TU58	GUAGE THREAD MEASURING	1	63.33	63.33	FAB AREA
11645	2 AWG WIRE	2AWG CORD FOR CART CHARGERS	10	0.00	0.00	19 b
11649	2-111	BEARING SEALMASTER INSERT 1-11/16"	2	57.34	114.68	15 A
11654	2-3/8 SHAFT	SHAFT FOR ODDSIZE LIFT DRIVE BASE 2-3/8	1	215.79	215.79	WALL RACK
11676	VM3558T	MOTOR 2HP 1725RPM 230/460V 3PH 145TC	1	240.45	240.45	12 B
11685	CM3558T	MOTOR 2HP 1750RPM 230/460V 3PH 145TC W/FOOT	3	346.26	1,038.79	11 B
11698	CM3554T	MOTOR 1.5HP 1755RPM 230/460V 3PH 145TC W/FOOT	5	229.50	1,147.50	11 B
11704	BM3546T	MOTOR 1HP 1725RPM 230/460VAC 3PH 143T BM	3	696.80	2,090.39	11 B
11707	117079/1210 7/8" KW	BUSHING TAPER LOCK 1210 7/8 KEYWAY	10	8.82	88.20	21 C
11710	VM3554T	MOTOR 1.5HP 1725RPM 230/460V 3PH 145TC	3	143.84	431.51	12 B
11711	VEM3770T	MOTOR 7.5HP 1770RPM 230/460V 3PH 213TC	1	789.90	789.90	12 D
11712	VBM3615T	MOTOR 5HP 1725RPM 230/460V 3PH 184TC BM	2	1,006.35	2,012.71	12 D
11734	M3558T	MOTOR 2HP 1750RPM 230/460V 3PH 145T	3	271.84	815.52	11 C
11735	M3611T P18A7300	MOTOR 3HP 1750RPM 230/460V 3PH 182T	1	350.00	350.00	12 C
11736	M3615T/00518EP3E184T	MOTOR 5HP 1750RPM 230/460V 3PH 184T W/FOOT	3	211.86	635.58	11 C
11737	VM3611T	MOTOR 3HP 1725RPM 230/460V 3PH 182TC	1	288.05	288.05	11 C
11738	M3546T	MOTOR 1HP 1755RPM 230/460V 3PH 143T W/FOOT	1	100.00	100.00	11 C
11739	CM3611T	MOTOR 3HP 1750RPM 230/460V 3PH 182TC W/FOOT	4	300.78	1,203.12	11 B
11742	M1704T	MOTOR 1.5HP 1725RPM 230/460V 3PH 145T	1	146.25	146.25	11 C
11750	BM3611T	MOTOR 3HP 1725RPM 230/460V 3PH 182T BM	3	472.50	1,417.50	11 D
11754	VEM3587T	MOTOR 2HP 1755RPM 230/460V 3PH 145TC	1	440.67	440.67	12 B
11755	VBM3611T	MOTOR 3HP 1725RPM 230/460V 3PH 182TC BM	2	370.88	741.76	11 D

Item No.	User-defined Field 1	Description	OnHand	AvgCost	Extended	Location
11759	CEM3587T	MOTOR 2HP 1755RPM 230/460V 3PH 145TC	3	466.57	1,399.72	11 C
11761	BM3615T	MOTOR 5HP 1725RPM 230/460V 3PH 184T BM W/FOOT	4	560.00	2,240.00	11 D
11770	VBM3546T	MOTOR 1HP 1725RPM 230/460V 3PH 143TC BM	4	554.78	2,219.12	12 B
11776	CEM3661T	MOTOR 3HP 1760RPM 230/460V 3PH 182TC	1	260.10	260.10	11 C
11778	VBM3558T	MOTOR 2HP 1725RPM 230/460V 3PH 145TC BM	3	722.82	2,168.46	12 B
11780	VM3710T	MOTOR 7.5HP 1755RPM 230/460V 3PH 213TC	1	435.87	435.87	11 D
11782	VBM3710T	MOTOR 7.5HP 1755RPM 230/460V 3PH 213TC BM	2	1,102.65	2,205.30	11 D
11783	VM3211T	MOTOR 3HP 1725RPM 230/460V 3PH 182TC	1	297.66	297.66	11 C
11787	CM3661T	MOTOR 3HP 1750RPM 230/460V 3PH 182TC	4	865.00	3,460.00	12 C
11800	37A01W878	MOTOR 7.5HP 1675RPM 230/460V 3PH 213T	1	1,102.65	1,102.65	12 C
11819	BM3558T/P14H7302	MOTOR 2HP 1725RPM 230/460V 3PH 145T BM W/FOOT	4	214.88	859.52	11 B
11832	36J321-284832	MOTOR 2-1HP 230/460V 3PH 145TC	1	285.00	285.00	12 C
11837	BM3554T	MOTOR 1.5HP 1740RPM 230/460V 3PH 145T BM	3	636.80	1,910.40	11 B
11838	35K838-186-1	MOTOR 3.2HP	2	494.50	989.00	12 D 5
11842	F041B	MOTOR 2HP	2	153.19	306.38	12 C
11845	VBM3554T	MOTOR 1.5HP 1740RPM 230/460V 3PH 145TC BM	6	557.53	3,345.18	12 B
11846	US ELECTRIC SERIES 2	MOTOR 0.75HP US ELECTRIC SERIES 2000	1	750.00	750.00	12 C
11847	VM3615T	MOTOR 5HP 1725RPM 230/460V 3PH 184TC	3	412.38	1,237.14	11 C
11858	06F192W189	MOTOR 3HP 1725/1740 RPM 460VAC 3PH 184TC USED	3	650.00	1,950.00	12 C
11859	35S159Y334	MOTOR 3HP 1725 RPM 230/460 VAC 3PH 182TC USED	2	300.00	600.00	12 B
11865	6SE64202UD240BA1	VFD MICROMASTER 420VFD 4HP 460VAC	1	716.16	716.16	2 D
11866	6SE64402UD230BA1	VFD MICROMASTER 440 VFD 4HP 480 VAC	2	1,377.22	2,754.44	2 D
11867	6SE6440-2UD25-5CA1	VFD MICROMASTER 4 HP 480VAC	2	1,650.66	3,301.32	2 D
11916	A954A-RBT	MOTOR 3HP 1750RPM 230/460V 3PH 182T RBT	2	150.00	300.00	12 C
11917	B099A	MOTOR 3HP 1750 RPM 230/460 VAC 182TC RBT	2	150.00	300.00	12 C
11944	100-K09D10	CONTACTOR MINI 3POLE 120VAC	5	70.30	351.50	1 A
12114	LPJ-175SP	FUSE 175A 600V TIME DELAY DUAL ELEMENT	4	0.00	0.00	EAST WALL
12119	20 X 2 1/2	ROLLER SMALL 2 1/2" X 20"W	5	28.00	140.00	ROLLER RACK
12139	2012 1 1/4	BUSHING TAPER LOCK 2012 1-1/4 KEYWAY	2	14.00	28.00	21 C
12149	2012 3/4" KW	BUSHING TAPER LOCK 2012 3/4" KW	5	14.71	73.55	21 C
12152	2018435	BRACKET ANGLULAR SWIVEL SICK	12	26.40	316.80	2 E
12153	2016110	QUICK CLAMPING DEVICE SICK	10	26.40	264.00	1 A
12171	203SMT25	REDUCER 25.45:1 SHAFT MOUNT 203SMT25 AY1745	1	595.62	595.62	REDUCER RACK
12175	203TAK	TURNBUCKLE BROWNING	1	0.00	0.00	18 A
12179	203TB111	REDUCER BUSHING TAPER LOCK 203TB111 1-11/16	1	23.00	23.00	21 C
12181	203XM15	REDUCER MORSE BAE P/N 5053 114147	2	669.00	1,338.00	REDUCER RACK
12182	203XM25	REDUCER MORSE	1	110.00	110.00	REDUCER RACK
12183	204 KRR2	BEARING INSERT RETURN ROLLER HEX SHAFT	4	15.14	60.56	15 C
12184	2040 B 17	SPROCKET 40 B 17 TEETH 1/2"	4	22.72	90.88	20 B
12185	2040 B 21	SPROCKET 40 B 21 TEETH 1/2"	1	15.00	15.00	20 B
12197	21MHIC1415 D/R	REDUCER ELECTRA GEAR 15:1	3	500.00	1,500.00	17 A
12207	206-07018	CLUTCH BRAKE WRAP SPRING SCB10 CW R/H	2	3,491.36	6,982.72	22 C
12215	207-0338-104	WHEEL 4 X 1.375 GUIDE FLAT PLATE ORANGE	38	13.50	513.00	23 D
12216	207-0338-107	ROLLER 2.5 X 3.25 CARRIER FLAT PLATE BLACK	56	19.14	1,071.63	23 D
12234	208-0729	CLAIM COFFIN SKI CLAIM UNIT	86	750.00	64,500.00	A CONCORES

Item No.	User-defined Field 1	Description	OnHand	AvgCost	Extended	Location
12236	208-3009-101	DOG PIN WITH GREASE FITTING	6	45.00	270.00	23 C
12237	208-3010-001	LOCK COLLAR FOR SKI CLAIM DOG'S	10	90.00	900.00	23 C
12238	208-3010-101	COLLAR ASSEMBLY DOG&PIVOT	10	7.50	75.00	23 C
12241	208-3250	ASSEMBLY BAE CHAIN BOX JETPLATTLE	1	6,000.00	6,000.00	-
12262	20GCT 56C L-2	REDUCER MORSE 10:1	1	605.00	605.00	17 A
12263	20GCT R 56C	REDUCER MORSE 10:1	2	319.50	639.00	17 A
12360	214-0649-101	ODD SIZE LIFT WHEELS BAE DRIVE	8	125.00	1,000.00	23 A
12361	214-1025-101	GUIDE WHEEL 2" FOR ODDSIZE TUB GUIDE	9	150.00	1,350.00	23 B
12362	214-1665-101	ARM STOP W/ GUIDE WHEEL	15	65.50	982.50	23 B
12363	214-1671-001	BEARING FLANGE	16	47.50	760.00	23 B
12364	214-1702-101	ARM ACTUATING LIMIT SWITCH	32	26.50	848.00	23 B
12365	214-1742-101	ODDSIZE SNUB ROLLER	16	45.75	732.00	23 A
12369	215-1601	REDUCER/MOTOR SEW-EURODRIVE COLBY MU	2	1,102.53	2,205.06	18 D
12375	216-1024024	REDUCER HUB CITY #214 B (5:1) 145TC L/H	1	343.80	343.80	22 C
12376	216-1024624	REDUCER HUB CITY #214 C (5:1) 145TC R/H	1	343.80	343.80	22 C
12382	219-107TB107	BUSHING TAPER LOCK 107TB107 1-7/16"	13	28.50	370.50	21 C
12383	219-115TB111	BUSHING TAPER LOCK 115TB111 1-11/16"	2	25.00	50.00	21 C
12386	21HIC1410 D/F	REDUCER ELECTRA GEAR 10:1	1	674.71	674.71	17 A
12397	220-3208/P2B-SC-012	BEARING DODGE P2BSC012 X 3/4	5	36.20	181.00	22 B
12412	140054	RETURN ROLLER 12" METAL PORTEC	6	20.24	121.44	16 A
12416	225-2052-136	PULLEY TAKE-UP 34 1/4X4	3	141.75	425.25	ROLLER RACK
12451	226-0409	ROD END ID 3/4 X FEMALE HSD	2	117.90	235.80	22 B
12460	229-2201	BEARING 2-BOLT FLANGE ID 1-7/16 SET SCREW	8	17.20	137.60	15 B
12461	229-2202	BEARING 2-BOLT FLANGE ID 1-11/16 LOCKING COLLAR	5	35.87	179.35	15 B
12462	229-2204	BEARING TAKE-UP ID 1-7/16 SET SCREW	5	22.83	114.15	15 B
12485	2316266	SOUTHWORTH SCREW FOR BRAKET PIN	5	0.49	2.46	23 B
12489	233-251506	SPROCKET 50 BB 15 TEETH 5/8 HSD	8	18.83	150.66	22 B
12490	2331040	BUSHING BRASS FOR SOUTHWORTH RAM	65	4.90	318.50	23 B
12491	23319-G01	GOLF CART SPEED CONTROLLER #22717-G1	1	255.06	255.06	19 B
12495	23360G1	BRAKE BACKING PLATE ASSY (FOR EZ-GO 052 AND OLD	4	70.08	280.32	19 B
12502	234048	SOUTHWORTH WASHER FOR SCREW AND PIN	2	0.02	0.04	23 B
12515	237-111029	CHAIN POLY SPROCKET GATES GT2#14MX-29S-20	1	94.99	94.99	4 E
12517	237-111033	CHAIN POLY SPROCKET GT2 #14MX-33S-20	1	86.40	86.40	8 E
12518	237-111034	CHAIN POLY SPROCKET GT2 #14MX-34S-20	1	86.40	86.40	4 E
12527	23A05H14	REDUCER GEAR TIGEAR 5:1	2	577.65	1,155.31	14 D
12529	23A07H14	REDUCER TIGEAR 7.5:1	2	642.47	1,284.93	14 D
12530	23A10H14	REDUCER TIGEAR 10:1	1	598.15	598.15	14 D
12553	241213	TORQUE ARM ASSEMBLY TXT1	5	15.00	75.00	18 A
12569	2417418	REDUCER 13.66:1 SHAFT MOUNT 115SMT15 AY1744	1	469.11	469.11	REDUCER RACK
12576	242135	TORQUE ARM ASSY. ADAPT PLT LH	3	25.00	75.00	18 A
12577	242136	TORQUE ARM ASSY. ADAPT PLT RH	4	0.00	0.00	18 A
12585	242244	TA-2-3 RODEND ASSY 3/4"	2	0.00	0.00	18 A
12592	242280	TORQUE ARM ASSEMBLY TXT2	6	125.00	750.00	18 A
12598	243249	TORQUE ARM ASSY; TDT3 RED T-ARM	3	0.00	0.00	18 A
12622	245-020335	SHEAVE 3V 2GRV QD SH - 3.35 OD (SIEMENS)	2	15.43	30.86	21 B

Item No.	User-defined Field 1	Description	OnHand	AvgCost	Extended	Location
12623	245-020365	SHEAVE 3V 2GRV QD SH - 3.65 OD (SIEMENS)	1	14.23	14.23	21 B
12624	245-020412	SHEAVE 3V 2GRV QD SH - 4.12 OD (SIEMENS)	1	15.23	15.23	21 B
12625	245-020450	SHEAVE 3V 2GRV QD SH - 4.50 OD (SIEMENS)	1	15.43	15.43	21 B
12626	245-020475	SHEAVE 3V 2GRV QD SH - 4.75 OD (SIEMENS)	1	14.32	14.32	21 B
12627	245-020500	SHEAVE 3V 2GRV QD SH - 5.00 OD	1	15.32	15.32	21 B
12628	245-020530	SHEAVE 3V 2GRV QD SH - 5.30 OD (SIEMENS)	1	35.85	35.85	21 B
12629	245-020560	SHEAVE 3V 2GRV QD SH - 5.60 OD (SIEMENS)	3	36.15	108.45	21 B
12630	245-020600	SHEAVE 3V 2GRV QD SH - 6.00 OD	1	15.32	15.32	21 B
12641	25 RJ	MASTER LINK TSUBAKI 25 CHAIN	11	0.68	7.48	20 C
12650	250V 2 AMP	FUSE 250V SLO-BLO 2 AMP	11	6.42	70.60	EAST WALL
12651	250V 5 AMP	FUSE 250V SLO-BLO	8	1.84	14.72	EAST WALL
12652	2510 KGJ2S101	SWITCH MOTOR DISCONNECT ENCLOSURE	4	35.56	142.24	1 A
12654	2510K02	SWITCH MOTOR DISCONNECT 30A 600V SWITCH ONLY	8	86.40	691.20	1 A
12655	2510KGJ2	SWITCH MOTOR DISCONNECT 3P SW W/ENCLOSURE	1	29.42	29.42	-
12656	251120	REDUCER GEAR TXT105T 5:62:1 SHAFT MOUNT	1	205.00	205.00	16 C
12657	2512107	JOHN S. BARNES MFG. SCISSOR LIFT PUMP SOUTHWORT	1	333.00	333.00	23 B
12665	2517 7/8" KW	BUSHING TAPER LOCK 2517 7/8	2	10.00	20.00	21 C
12673	2523T	STRAIGHT CONNECTOR	10	4.00	40.00	-
12678	2533004	PRESSURE REGULATOR VALVE	6	63.68	382.08	23 B
12679	2535	STRAIGHT PORTABLE CORD CONNECTOR 1/2"	8	4.76	38.08	-
12686	2562033	VALVE SCISSOR LIFT PUMP	3	78.58	235.74	23 B
12688	26MHIC1810 D/F	REDUCER 10:1 ELECTRA GEAR	2	598.05	1,196.10	17 B
12689	26MHIC1420 D/F	REDUCER 20:1 ELECTRA GEAR	1	475.00	475.00	17 B
12701	25M0761	FUSE BLADE 15A/80V	18	1.84	33.07	EAST WALL
12704	25B34I00	SOFT START 460V DUAL RAMP OPEN 10 HP 18A	3	897.11	2,691.33	46 D
12711	25GSA SHAFT	SHAFT MORSE INPUT SHAFT	1	241.38	241.38	-
12719	2605-34F2B	IGUS LINKS 12EB	6	18.68	112.07	31 D
12725	25GSA 145T 7.5:1	REDUCER 7.5:1 MORSE	2	1,294.46	2,588.92	17 B
12744	26HIC1420 D/R	REDUCER 20:1 ELECTRA GEAR	1	495.00	495.00	17 B
12745	26HIC1425 D/R	REDUCER 25:1 ELECTRA GEAR	1	0.00	0.00	17 B
12746	26K7958	FUSE FAST ACTING SIEMENS OUTPUT CARDS	30	1.75	52.50	WEST WALL
12747	26MC1440 R/F	REDUCER 40:1 ELECTRA GEAR	1	483.00	483.00	17 B
12759	26053PZB	IGUS MOUNTING BRACKET W/BORE	4	9.35	37.40	31 D
12786	275-00135	SOLENOID AC COIL KIT RH DELTRAN	2	804.58	1,609.16	22 B
12787	275-00136	SOLENOID AC COIL KIT LH DELTRAN	3	898.00	2,694.00	22 B
12791	276002	BORE PLUG FOR THE TIGEAR 23 REDUCER	3	3.84	11.51	25 C
12793	276280	SEAL INPUT C350 TIGEAR (CR12456)	10	14.08	140.80	25 C
12794	276287	INPUT OIL SEAL C200 TIGEAR	11	10.95	120.41	25 C
12801	280-1035	CHAIN #35 SNGL STRND RIV 10'	20	35.00	700.00	22 B
12802	280-1050	CHAIN #50 SNGL STRND RIV	10	2.50	25.00	23 D
12806	280-5035	CHAIN #35 SNGL STRND MASTER LINK	3	0.00	0.00	22 B
12807	280-5050	CHAIN #50 SNGL STRND MASTERLINK (SIEMENS)	3	0.64	1.92	22 B
12808	280-5060	CHAIN #60 SNGL STRND MASTER LINK (SIEMENS)	1	0.00	0.00	22 B
12846	2902505	SOUTHWORTH PIN FOR BRACKET	5	16.29	81.46	23 B
12847	2903940	PIN FOR SOUTHWORTH RAM	4	23.91	95.65	23 B

Item No.	User-defined Field 1	Description	OnHand	AvgCost	Extended	Location
12848	2904836	SOUTHWORTH UPPER HINGE SHAFT	1	40.00	40.00	SHELF 43
12849	2904960	BRACKET FOR CLEVIS PIN LIFT SOUTHWORTH	4	25.92	103.68	23 B
12850	2904961	BRACKET FOR CLEVIS PIN SOUTHWORTH	4	27.69	110.76	23 B
12851	2907072	ODDSIZE CENTER SHAFT SOUTHWORTH	2	62.25	124.50	SHELF 43
12895	2920193	BUSHING CLEVIS PIN SOUTHWORTH TO-1-02	3	12.92	38.76	-
12901	2936698	CENTER SCISSOR PIN BUSHING SOUTHWORTH TO1-2	3	24.59	73.77	23 B
12907	295-0103-360	SNUB ROLLER W/SHAFT 36" X 4"	3	181.50	544.50	ROLLER RACK
12917	295-0216-236	PULLEY DRIVE 36IN DIA X 8-3/4IN W	1	190.00	190.00	ROLLER RACK
12922	295-1200-003	TAKE-UP FRAME ASSEMBLY	8	16.00	128.00	-
12930	298	PROGRAMMABLE LOGIC CONTROLLERS	1	49.00	49.00	LEAD CABINET
12932	29952	OIL SEAL	5	7.60	38.00	25 C 2
13001	2FMP7	MINIATURE BULB 28V.08A SECURITY DOORS 757	41	2.70	110.78	19 A 2
13003	2FMR1	MINIATURE LAMP 6.3V 0.15A E-STOP 755	42	0.88	37.05	19 A
13082	2XB92	GFCI 1 HHP 20A RECPETICAL	2	28.01	56.01	46 E
13097	3-115	BEARING INSERT FOR MP-31-MOD HOUSING	4	91.09	364.36	15 C
13128	30 X 5 1/2	ROLLER 5-1/2" X 30"W	8	200.00	1,600.00	ROLLER RACK
13129	30 X 6	ROLLER	1	180.38	180.38	ROLLER RACK
13137	300-0401	WHEELS STEARNS BAGGAGE CLAIM MU YELLOW	24	18.15	435.60	23 A
13140	3001217R	SCISSOR LIFT SOUTHWORTH RAM TO LIFTS	1	452.70	452.70	23 C
13141	3001217RKIT	SEAL KIT FOR SOUTHWORTH RAM	2	68.00	136.00	23 C
13142	290-1321	CLEVIS BRACKET SOUTHWORTH	4	5.62	22.48	23 B
13147	3005477R	BUSHING TEFLON FOR SOUTHWORTH RAM	2	57.10	114.20	23 B
13155	3010639	SEAL KIT SOUTHWORTH LIFTS TO-1 & TO-2	1	67.70	67.70	23 C 9
13160	3020-45	BUSHING TAPER LOCK 3020 45MM KW	2	33.39	66.78	24 C
13170	305718-001	END LOCKS FOR DOORS F265	20	4.68	93.60	20 B
13171	30618-500-52	5 SLOT RACK A-B SY/MAX	1	3,500.00	3,500.00	26 A
13176	30GSA-143TC	REDUCER 13.33:1 MORSE	3	1,100.00	3,300.00	17 C
13185	30M9885	LIGHT CURTAIN RELAY COIL ELESTA SGR282Z 12 VDC	7	8.50	59.50	45 B 2
13210	32 X 4 ROLLER	PULLEY 4IN DIA X 32IN W	4	125.00	500.00	ROLLER RACK
13211	32 X 5-3/4	ROLLER	2	100.00	200.00	ROLLER RACK
13212	32 X 6-3/4	ROLLER	1	180.00	180.00	ROLLER RACK
13235	334307	TIGEAR 23A COVER O-RING	7	0.60	4.20	25 C
13244	33801	CONTROL CONNECTOR RECEPTACLE FEMALE	6	42.50	255.00	46 G
13251	34" ROUGH TOP	BELTING 34W ROUGH TOP INCLINE/DECLINERT-2L	102.5	9.52	975.80	STORES FRONT
13252	34" SMOOTHTOP	BELTING 34IN W 2-PLY 220# BARE X BARE BUTT ENDS	142.4	10.15	1,445.30	STORES FRONT
13255	34-1/4 X 4	RETURN ROLLER	1	180.00	180.00	ROLLER RACK
13275	34985	SEAL ELECTRA GEAR OUTPUT	6	14.99	89.96	25 C
13298	35EP3100M01	BEARING HOUSING FOR CM-3611	1	24.77	24.77	11 A
13305	35HKC1815 D/F	REDUCER 15:1 ELECTRA GEAR SO# 95E36166 HI	1	1,213.07	1,213.07	16 C
13313	36 X 4	SNUB ROLLER NON-WELD 36 X 4	1	100.00	100.00	ROLLER RACK
13314	36 X 4 WELDED	ROLLER	1	100.00	100.00	ROLLER RACK
13315	36 X 6 1/2	ROLLER RUBBER TYPE 36" X 6 1/2"	2	230.00	460.00	ROLLER RACK
13316	36 X 6 3/4	HEAD-TAIL ROLLER 36" X 6 3/4"	1	180.00	180.00	ROLLER RACK
13336	3622-0000	THRUST WASHER FOR FLOW GUIDE WHEELS	3	2.00	6.00	23 C
13344	3629-0000	RETAINING PLATE FOR TO GUIDE WHEELS	7	15.00	105.00	23 C

Item No.	User-defined Field 1	Description	OnHand	AvgCost	Extended	Location
13401	36A56	LIGHT FIXTURE 2/FT 120VAC	2	20.32	40.64	12 A
13402	36EP3306A04	BEARING HOUSING FOR VBM-3615T-3611T	3	41.51	124.54	11 A
13408	37 X 3-1/2	ROLLER	7	180.00	1,260.00	ROLLER RACK
13409	37" X 4"	37" X 4" ROLLER	1	173.38	173.38	ROLLER RACK
13417	370985	SAMLEX PWR SUPPLY FOR M7100	1	176.90	176.90	-
13435	38 X 4	SNUB ROLLER 38" X 4"	1	180.00	180.00	ROLLER RACK
13436	38 X 6-3/4	ROLLER	1	100.00	100.00	ROLLER RACK
13442	38202-47L	SNUB ROLLER 47" X 4"	2	280.00	560.00	ROLLER RACK
13449	38401 L38	38" X 4" TAIL ROLLER	1	174.00	174.00	ROLLER RACK
13460	38601-38L	HEAD/TAIL ROLLER 38" X 6"	1	160.00	160.00	ROLLER RACK
13461	38601-47L	HEAD/TAIL ROLLER 47" X 6"	1	250.00	250.00	ROLLER RACK
13472	38701-38L	DRIVE ROLLER 38" X 8-3/4"	1	180.00	180.00	ROLLER RACK
13473	38701-47L	ROLLER 47" X 8 3/4"	1	220.00	220.00	ROLLER RACK
13477	38801-38L	DRIVE ROLLER 38" X 10-3/4"	1	180.00	180.00	ROLLER RACK
13478	38801-47L	ROLLER 47" X 6 1/2"	1	220.00	220.00	ROLLER RACK
13488	39 X 4 ROLLER	PULLEY RETURN 4IN DIA X 39IN W	4	150.00	600.00	ROLLER RACK
13512	3AG 2 AMP	FUSE 250V	1	0.63	0.63	EAST WALL
13513	3AG 3 AMP	FUSE 250V	14	0.30	4.14	BOWMAN 1
13521	3C17262	3COM SWITCH 5500G STACK CABLE 5 M	2	357.50	715.00	43 F
13526	CONTROLLER	SPEED CONTROLLER CLUB CAR	1	317.24	317.24	19 B
13535	13535	REDUCER SEAL INPUT FOR HUB CITY	14	7.62	106.72	25 C
13594	3RA1921-1BA00	MODULES LINK FOR ELEC & MACH CONNECTING	2	4.66	9.32	1 B
13597	3RG4013-3AG01	SENSOR PROX INDUCTIVE 5MM 15-34VDC	3	32.00	96.00	1 B
13599	3RH1122-1AK60	RELAY CONTROL 1.100A @24VDC 4POLE (2NO-2N	1	17.50	17.50	1 B
13601	3RH1140-1AK60	RELAY	23	0.00	0.00	1 B
13602	3RH1140-1BB40	RELAY 1.100A 24VD CCOIL 4POLE 4NO	1	17.80	17.80	1 B
13603	3RH1911-1FA22	CONTACTOR 4 POLE	1	8.72	8.72	1 B
13604	3RH1911-1FA40	AUX CONTACT BLOCK 4 POLE (4NO)	5	8.72	43.60	1 B
13605	3RH1911-1GA04	4 POLE 4NC AUX CONTACT BLOCK	20	8.72	174.40	1 C
13606	3RH1911-1GA40	AUX CONTACTOR	5	0.00	0.00	1 C
13607	3RH1921-1FA22	CONTACT AUX 2NO-2NC FRONT MOUNT	1	12.44	12.44	1 C
13608	3RH1921-1FA31	AUXILLARY CONTACT BLOCK FOR 3RT	1	12.44	12.44	1 C
13609	3RH1921-1FA40	AUX CONTACT BLOCK FOR CONTACTOR	1	0.00	0.00	1 C
13610	3RP1513-1AQ30	TIMER ON DELAY 24VDC/100-127VAC SPDT	1	22.24	22.24	1 C
13611	3RT1025-1AK60	CONTACTOR	6	35.00	210.00	1 C
13612	3RT1025-1BB40	CONTACTOR NON REVERSING 3-POLE 17 AMP	5	44.57	222.86	1 C
13613	3RT1026-1AK60	CONTACTOR	3	36.66	109.98	1 C
13614	3RT1026-1BB40	CONTACTOR NON REVERSING 3-POLE 25 AMP	5	36.66	183.30	1 C
13615	3RT1034-1AK60	CONTACTOR 32A 120VAC	1	0.00	0.00	1 C
13617	3RT1916-1BB00	VARISTOR 24-70 VSC FOR 3RH11 RELAYS	10	22.24	222.40	1 D
13618	3RT1916-1BC00	VARISTOR 48-127VAC FOR SIEMENS 3RH11 RE	4	3.12	12.48	EAST WALL
13619	3RT1926-1BB00	VARISTOR 24-70 VDC FOR CONTACTOR	7	6.53	45.71	1 D
13620	3RV1021-1CA10	MOTOR STARTER PROTECTOR 1.8-2.5A	1	33.34	33.34	1 D
13621	3RV1021-1DA10	MOTOR STARTER PROTECTOR 2.2-3.2A	2	33.34	66.68	1 D
13623	3RV1021-1FA10	MOTOR STARTER PROTECTOR 3.5-5A	5	33.34	166.70	1 D

Item No.	User-defined Field 1	Description	OnHand	AvgCost	Extended	Location
13624	3RV1021-1HA10	MOTOR STARTER PROTECTOR 5.5-8A	1	33.34	33.34	1 D
13626	3RV1021-OJA10	MOTOR STARTER PROTECTOR 0.7-1.0A	1	33.34	33.34	1 D
13627	3RV1901-1A	SIEMENS SIDE MOUNTED AUX CONTACT BLOCK 1NC 1NO	8	7.46	59.68	1 D
13629	3RV1928-1H	TERMINAL ADAPTER KIT	26	4.66	121.16	1 D
13630	3RW3026-1AB14	SMART MOTOR CONTROLLER	1	0.00	0.00	1 D
13634	3RX1541	CABLE M12 TYPE F 4 PIN 16FT RIGHT ANGLE	2	31.25	62.50	1 E
13635	3RX7922-1A	REFLECTOR POLARIZED 2" SIEMENS	3	9.20	27.60	1 E
13648	3TX7120-1DF13	120V DPDT 10 AMP CONTROL RELAY SIEMENS	2	12.60	25.20	1 E
13649	3TX7144-1E2	8 PIN OCTAL DIN RAIL MOUNT RELAY	1	2.07	2.07	1 E
13656	3UN2100-OCF7	TRIPPING UNIT	1	70.00	70.00	1 E
13661	3VX265	V-BELT 3VX265	1	4.07	4.07	5 E
13664	3VX335	V-BELT 3VX335	27	5.71	154.14	5 E
13665	3VX355	V-BELT 3VX355	8	6.24	49.90	5 E
13666	3VX375	V-BELT 3VX375	15	6.57	98.48	5 E
13667	3VX400	V-BELT 3VX400	9	6.80	61.20	5 E
13670	3VX450	V-BELT 3VX450	18	7.39	133.03	5 E
13671	3VX475	V-BELT 3VX475	14	8.21	114.88	5 E
13673	3VX500	V-BELT 3VX500	13	9.06	117.74	5 E
13675	3VX560	V-BELT 3VX560	7	0.00	0.00	5 E
13677	3VX600	V-BELT 3VX600	14	7.95	111.30	5 E
13677	3VX600	V-BELT 3VX600	8	7.95	63.60	8 E
13679	3VX630	V-BELT 3VX630	15	11.04	165.59	5 E
13680	3VX670	V-BELT 3VX670	13	8.55	111.16	5 E
13681	3VX900	V-BELT 3VX900	2	9.74	19.48	5 E
13717	40 B32	SPROCKET 40 B 32 TEETH 1-1/4"	3	44.25	132.75	20 B
13718	40 P 3/4	SPROCKET 40 B 32 TEETH 3/4"	3	22.95	68.85	20 B
13723	400055-131280	FUEL HOSE 3/8" X 5/8 " SHAFT ENCODERS	27	2.63	70.93	25 B
13761	402493	BELT POWERTURN C5036 90 DEG PVOP 228L QS KIT	1	2,159.85	2,159.85	13 C
13764	402497	BELT POWERTURN C4838 FLAT 90 DEG 229L	1	2,188.73	2,188.73	13 C
13769	4028998	FILTERS FOR SICK HEADS 6&7 BLOWER FAN FIL	20	4.67	93.40	26 B
13839	40GSA-1.43B	REDUCER 15:1 MORSE	1	1,000.00	1,000.00	17 D
13865	41162701FW	SEAL DODGE REDUCER C350T OUTPUT	14	23.33	326.63	25 C
13867	41162701GD	SEAL DODGE REDUCER C262T 536358 OUTPUT	21	28.12	590.60	25 C
13935	415379	NATIONAL OIL SEAL MORSE 40GSA	1	11.60	11.60	25 C
13937	415836	NATIONAL OIL SEAL MORSE GEARBOX	6	6.63	39.78	25 C
13938	415995	OIL SEAL	3	3.00	9.00	25 C
13940	416339	OIL SEAL	6	15.22	91.32	25 C 5
13941	416476	NATIONAL OIL SEAL	8	33.32	266.55	25 C
13944	417196	OIL SEAL	3	13.28	39.84	25 C
13945	417262	NATIONAL OIL SEAL	10	24.45	244.53	25 C 5
13949	42 LRC-5220	SENSOR PHOTOEYE HEAD RED	4	110.25	441.00	45 D
13964	422CFRCR	CABLE CONVERTER B&B ELECTONICS	4	24.00	96.00	46 D
13976	42GRU-9203-QD	SENSOR PHOTOEYE 9000 STD RETROREFLECTIVE	5	239.05	1,195.25	45 C
13978	42LTB-5000	SENSOR PHOTOEYE BASE RED 120V USE W/42LR PHOTOHEAD	30	235.00	7,050.00	45 D
13982	42MRU-5200	PHOTOEYE HEAD (GREEN)	8	97.20	777.60	45 D

Item No.	User-defined Field 1	Description	OnHand	AvgCost	Extended	Location
13983	42MTB-5000	SENSOR PHOTOEYE BASE GREEN USE W/42M PHOTOHEAD	19	35.28	670.32	45 D
13984	42SML-7110	SENSOR PHOTOEYE TRANS BEAM SOURCE	2	36.90	73.80	45 D
13985	42SMR-7110	SENSOR PHOTOEYE RECEIVER	5	54.90	274.50	45 D
13987	42SRP-6004-QD	PHOTOELECTRIC DIFFUSE MOD 3	7	161.03	1,127.23	1 E
13987	42SRP-6004-QD	PHOTOELECTRIC DIFFUSE MOD 3	4	161.03	644.13	45 D
13995	440452	TORQUE ARM ASSY; TDT7 TPR BSH BX	20	0.00	0.00	18 A
14017	44WB3EJX485	FURNAS CONTACTOR TO3 SECURITY DOORS	2	143.75	287.50	20 B
14078	45863	BEARING TRANSNORM TAKE-UP MOUNT FOR HB 207	14	45.00	630.00	24 A
14083	460-24V	TRANSFORMER VIGNEAUX USED IN COLO.SPGS.	1	40.00	40.00	26 B
14094	47 X 10-3/4	ROLLER	1	100.00	100.00	ROLLER RACK
14095	471272	OIL SEAL	8	5.03	40.20	25 C 4
14101	472636	OIL SEAL	20	5.03	100.56	25 C
14103	472924	OIL SEAL	1	6.39	6.39	25 C
14105	473232	SEAL ELECTRA GEAR 500	5	5.45	27.25	25 C 4
14106	473467	OIL SEAL	1	3.00	3.00	25 C
14112	4801-2	CABLE CONNECTOR	2	0.02	0.04	1 E
14113	4801-3	CABLE CONNECTOR	2	0.02	0.04	1 E
14114	4801-5	CABLE CONNECTOR	2	0.02	0.04	1 E
14117	483-001104	VIBRATION ISOLATOR HD-BS-BLUE SIEMENS	9	75.00	675.00	BOWMAN 3
14189	4K884	DIAL CALIPER STARRET 0-6"	1	110.00	110.00	RED TOOL BOX
14199	4LG23	BULB 18VDC REPLACEMENT	1	8.10	8.10	LEAD'S CABINET
14295	4X088	REMOTE CONTROL SWITCH	1	58.18	58.18	10 C
14309	LPS-RK-60SP	FUSE 60A 600VAC TIME DELAY RK1	74	6.87	508.38	BOWMAN 1
14310	LPS-RK-70	FUSE 70AMP 600V CLASS-RK1 LOW-PEAK TIME DELAY	5	8.55	42.75	BOWMAN 1
14312	LPS-RK-200	FUSE 200A TIME DELAY	3	12.00	36.00	BOWMAN 1
14315	AGC-3	FUSE 3A 250VAC FAST-ACTING GLASS 3AG	14	0.89	12.51	EAST WALL
14317	MDL-2	FUSE 2A TIME DELAY GLASS PK5	20	1.90	38.06	EAST WALL
14318	MDL-3	FUSE 3A TIME DELAY GLASS	20	1.40	28.00	EAST WALL
14319	MDL-4	FUSE 4A TIME DELAY GLASS	29	1.28	37.12	EAST WALL
14345	4Z327	DAYTON ELECTRIC WINCH	2	388.82	777.64	10 C
14345	4Z327	DAYTON ELECTRIC WINCH	5	388.82	1,944.11	MODS
14359	5-66-5051-00	STEARNS 87 SERIES BRAKE SOLENOID KI	2	202.52	405.04	13 G
14364	5-66-6452-33	STEARNS 55/56 SERIES COIL 230VAC	2	72.40	144.80	13 G
14367	5-66-6459-23	STEARNS COIL 230/480	1	140.49	140.49	13 G
14369	5-66-6509-33	STEARNS 87 SERIES BRAKE COIL 230/46	1	143.19	143.19	13 G
14370	5-66-6607-33	STEARNS BRAKE COIL	1	0.00	0.00	13 G
14371	5-66-6609-33	STEARNS BRAKE COIL	1	150.40	150.40	13 G
14372	5-66-8355-00	STATIONARY DISC KIT STEARNS 2 DISC	2	50.71	101.42	13 H
14373	5-66-8356-00	STATIONARY DISC KIT STEARNS 3 DISC	2	77.78	155.56	13 H
14374	5-66-8452-00	STEARNS SERIES 55 BRAKE FRICTION DI	1	48.90	48.90	13 H
14375	5-66-8462-00	BRAKE FRICTION DISK FOR STEARNS SERIES 56	12	48.66	583.92	13 H
14378	5-66-8483-00	STEARNS 87 SERIES BRAKE SPLINE HUB	9	61.84	556.56	13 G
14380	5-66-8602-00	STEARNS DISC PACK KIT 10 & 15 LB	1	138.29	138.29	13 H
14381	5-66-8603-00	STEARNS DISC PACK KIT 20 & 25 LB	1	209.99	209.99	13 H
14387	50 BTB 30	SPROCKET 50 BTB 30 TEETH 2012	6	35.10	210.60	20 B

Item No.	User-defined Field 1	Description	OnHand	AvgCost	Extended	Location
14388	50 BTB 40 2012	SPROCKET 50 BTB 40 TEETH 2012	4	48.07	192.28	20 B
14454	503-0216-390	CRESCENT WASHER FOR SKI CLAIM WHEEL	86	1.75	150.50	25 B
14456	503-0218-390	FLAT WASHER THIN FOR SKI CLAIM WHEEL	2	0.83	1.65	25 B
14457	503-0219-390	FLAT WASHER THICK FOR SKI CLAIM WHEEL	240	1.00	240.00	25 B
14500	505-0063-050	COUPLING HALF 6020 TYPE F	4	39.68	158.72	24 C
14538	505-0203-153	SPROCKET 50 BTL 24 TEETH 2012	2	80.00	160.00	20 B
14563	505-0562-007	BUSHING FLANGE BRASS 1" DIA	13	2.00	26.00	23 B
14566	505-0585-184	BUSHING QD SF 1-15/16	6	15.43	92.58	21 C
14603	505-AOD-23	REVERSING STARTER	1	65.00	65.00	-
14626	507-0400560	BUSHING BRASS FOR CAM FOLLOWER MU	45	2.14	96.30	24 C
14629	507-42315	CLAIM UNIT DRIVE SPACER STEARNS MU 1"	4	20.00	80.00	24 C
14630	507-42316	CLAIM SPACER CENTER DRIVE MU 1-1/2"	9	10.00	90.00	24 C
14643	507-67500W	CLAIM DRIVE BASE WELDMENT MAXI II NEW MU	1	195.10	195.10	21 D
14644	507-67522	IDLER SHAFT STEARNS MU	2	95.00	190.00	24 C
14645	507-67523	DRIVE SHAFT STEARNS MU	2	101.00	202.00	24 C
14672	50BTL 40	SPROCKET 50 BTL 40 TEETH 2012	12	55.00	660.00	20 C
14698	515020025	DISCONNECT SHAFT	1	0.00	0.00	SHELF 67
14713	51R-G1	EDWARDS BEACON LIGHT/BUZZER (88F4948)	1	191.98	191.98	44 F
14714	51R-G5-20W	BEACON EDWARDS	1	143.85	143.85	44 A
14716	51R-N5-40WH	BEACON FLASHING W/HORN RED	1	143.85	143.85	44 A
14727	5221-0000	ODDSIZE SMALL GUIDE ROLLERS FOR PFL ODD SIZE	38	8.76	333.04	23 B
14742	52AAGL	PUSHBUTTON GUARD E-STOP	4	3.42	13.68	1 E
14744	52AED2	LED REPLACEMENT 24V AC/DC RED	8	9.34	74.72	1 E
14746	52AED4	LED REPLACEMENT 24V AC/DC AMBER	4	9.34	37.36	1 E
14747	52AED5	LED REPLACEMENT 24V AC/DC BLUE	2	9.34	18.68	1 E
14748	52AEDB	LED REPLACEMENT 24V AC/DC WHITE	4	10.91	43.65	1 E
14749	52BAJ	CONTACT FOR CLASS 52 DEVICES (SIEMENS)	2	3.38	6.76	1 E
14750	52BAK	CONTACT BLOCK 1NO	4	5.16	20.64	1 E
14751	52BAU	1NC LATE BREAK CONTACT	2	5.16	10.32	1 E
14752	52BJK	PUSHBUTTON CONTACT BLOCK NO/NC	4	10.62	42.48	1 E
14755	52PA2G2A	PUSHBUTTON E- STOP RED 120 V	13	37.27	484.51	2 A
14756	52PA4G2A	PILOT LIGHT (SIEMENS)	1	25.00	25.00	2 A
14757	52PA4G5	PILOT LIGHT (SIEMENS)	4	8.33	33.33	2 A
14759	52PA4GB	PILOT LIGHT (SIEMENS)	1	58.71	58.71	2 A
14761	52PA6G5A	PUSH TO TEST LIGHT TRANSFORM TYPE 1	1	32.50	32.50	2 A
14762	52PA6G9A	PUSHBUTTON (SIEMENS)	4	55.00	220.00	2 A
14763	52PA8A1K	PUSHBUTTON (SIEMENS)	3	14.40	43.20	2 A
14764	52PA8A3K	PUSHBUTTON GREEN	2	14.40	28.80	2 A
14765	52PA8A4	PUSHBUTTON YELLOW	1	14.40	14.40	2 A
14766	52PA8B2J	MOMENTARY P/B EXT RED(SIEMENS)	1	0.00	0.00	2 A
14768	52PE2D2A	PUSHBUTTON E-STOP SIEMENS 24V	6	63.00	378.00	2 A
14769	52PE4D3	PILOT LIGHT LED 24V AC/DC GREEN	2	35.18	70.36	2 A
14770	52PE4DB	PILOT LIGHT LED 24V AC/DC WHITE	1	38.83	38.83	2 A
14771	52PE6D3A	PUSHBUTTON GREEN 1NO-1NC LED 24 VDC	2	45.78	91.56	2 A
14776	52SA2AABA1	2 POSITION SELCTOR SWITCH	2	26.48	52.96	2 B

Item No.	User-defined Field 1	Description	OnHand	AvgCost	Extended	Location
14777	52SA2AABK1	SWITCH	2	17.02	34.04	2 B
14778	52SA2BAB	SEL SW 3 POSITION MAIN	5	0.00	0.00	2 B
14779	52SA2BCB	SELECTOR SWITCH SHORT LEVER 3-POS M	4	19.56	78.24	2 B
14781	52SC6AE	SWITCH 2 POSITION KEY	2	53.96	107.92	2 B
14782	52SC6AEA1	SWITCH (SIEMENS)	5	0.00	0.00	2 B
14791	531N658812-G	SUMITOMO SEAL (SLOW SPEED SIDE)	2	18.98	37.95	25 C
14802	5370-101-042	CLUTCH BRAKE CONDUIT BOX EM/UM	8	35.00	280.00	11 A
14803	5370-111-013	CLUTCH BRAKE FRICTION DISK ARMATURE ASSY	11	109.69	1,206.55	13 H
14815	5371-101-020	PLATE ADAPTER C/B UM210-1020 (WARNER)	12	0.00	0.00	13 H
14816	5371-101-023	PLATE ADAPTER	6	25.00	150.00	13 H
14817	5371-101-024	PLATE ADAPTER VM3546T	2	150.00	300.00	13 I
14818	5371-101-038	PLATE ADAPTER	3	25.00	75.00	13 I
14831	540-2038	WARNER HUB SPLINE AIRPORT USES	7	99.65	697.54	13 H
14998	562-0005-385	ODDSIZE SOLENOID	8	103.50	828.00	23 C
15057	576652	BELTING 37W FLEXAM EX 10/2 QUE BELT	175.5	9.62	1,688.31	STORES FRONT
15065	58361-1/2	BOX- STEEL CITY(SIEMENS)	4	2.50	10.00	2 B
15087	592	TRANSFORMER STEP DOWN 120V-	3	12.10	36.30	26 B
15102	595-A	AUX CONTACT NEMA 1NO DISC/START	10	13.23	132.30	44 E
15114	5A924	CUT-OFF WHEEL 3" 3/8" HOLE DIAMETER	1	0.09	0.09	TECH ROOM
15117	5B317	REFLECTOR PHOTOEYE 3" DIA	10	8.60	86.00	2 B
15118	5B317 B	MOUNTING BRAKET AB PE	13	20.13	261.69	SHELF 77
15130	5C377	2 POLE 3WIRE PLUG 125V	1	3.22	3.22	TOOL CAB.
15132	5DB20	ROLL PIN 3/8" X 1-1/2" REPLACES 64311	49	6.92	339.08	25 B
15146	5FVE6	SYRINGE TAPER TIP	1	18.81	18.81	9 B
15214	5V757	40W HIGH INTENSITY BULB	4	5.59	22.35	19 A
15230	5X300	CHAIN #50 OFFSET LINK	4	2.50	10.00	20 C
15282	60 BS 20	SPROCKET 60 BS 20 TEETH 1-7/16" KW	3	25.00	75.00	20 B
15283	60 BS 24	SPROCKET 60 BS 24 TEETH 1-7/16"	2	27.95	55.90	20 B
15284	60 BTB 18	SPROCKET 60 BTB 18 TEETH 1610	3	31.02	93.06	20 B
15285	60 BTB 20	SPROCKET 60 BTB 20 TEETH 2012	6	38.13	228.75	20 B
15290	60-1785	PHOTOEYE MOUNTING BRACKET	25	5.00	125.00	45 F
15291	60-1790	ON OR OFF DELAY MODULE	2	48.09	96.18	45 F
15293	60-2006	PHOTO EYE BRACKET SIEMENS	3	12.35	37.05	45 F
15294	60-2007	PROXIMITY SWITCH BRACKET	41	5.04	206.64	45 F
15295	60-2008	PROXIMITY SWITCH BRACKET	10	5.98	59.83	45 F
15296	60-2072	PHOTO EYE COUNTER	3	108.00	324.00	45 F
15299	60-2439	MOUNTING BRACKET A-B SIEMENS	20	6.43	128.60	45 F
15301	60-9445	TRANSFORMER LINK CONTROLS	3	50.00	150.00	26 B
15309	600053	RETURN WHEEL ASSY RT38 UNIV	1	71.25	71.25	16 A
15313	6003-2RS C3	BEARING 6003 2RS C3	3	6.43	19.29	25 B
15314	600347	POWERTURN RIVET/WASHER W/OUT SCREW	62	0.70	43.58	21 A
15321	60052RSJEM	BEARING GUIDE SKF TRANSNORM GOLF CART	77	8.63	664.44	25 B
15322	6005 2ZJEM	BEARING SKF	49	12.00	588.00	25 B
15328	6008899	CABLE, DC, WIRE M12, STRAIGHT FEMALE, 2M	4	23.10	92.40	1 E
15329	6009868	CABLE, DC, 5 WIRE M12, STRAIGHT FEMALE, 5M	4	33.83	135.30	1 E

Item No.	User-defined Field 1	Description	OnHand	AvgCost	Extended	Location
15354	6020 AF	SPROCKET 60 B 20 TEETH 2012	2	113.44	226.88	20 B
15356	602052	PHOTO EYE RIGHT ANGLE MIRROR	6	8.19	49.14	45 F
15362	6021164	CAN CABLE (0.7 METERS)	4	31.90	127.60	1 E
15433	60BTB11H	SPROCKET 60 BTB 11 TEETH 1008	2	13.00	26.00	20 B
15435	60BTB16H	SPROCKET 60 BTB 16 TEETH 1610	2	23.71	47.42	20 B
15437	60BTB21	SPROCKET 60 BTB 21 TEETH 1610	1	44.95	44.95	20 B
15443	60BTL 19H	SPROCKET 60 BTL 19 TEETH 1610	1	22.00	22.00	20 B
15457	60BTL26	SPROCKET 60 BTL 26 TEETH 2012	2	25.00	50.00	20 B
15467	60R	CHAIN MORSE	10	20.00	200.00	20 C
15468	60SDS18	SPROCKET 60 SDS 18 TEETH	4	33.10	132.40	20 B
15507	6198-0000 RH	ODDSIZEGUIDE ROLLER FLOW LIFTTOP RIGHT W/S	3	650.00	1,950.00	23 C
15508	6199-0000 LH	ODDSIZEGUIDE ROLLER FOR PFLOW LIFT TOP LEFT	5	650.00	3,250.00	23 C
15509	62008	HOSE CLAMP 3/8" -7/8"-#6 FOR ENCODERS	21	3.32	69.72	25 B
15513	6203 2ZJEM	BEARING SHIELDED BOTH SIDES	5	6.30	31.52	25 B
15517	6205 2RSJEM	BEARING SPHERICAL NOSE ROLLER FOR HSD PADDLE	13	6.31	82.08	22 B
15518	6205 2ZJEM	BEARING SKF FOR MOTOR REBUILD	6	9.59	57.55	25 B
15523	6206-2RSJEM	BEARING SKF (PUSHER)	18	9.44	170.00	25 B
15526	6211NRJEM	BEARING SUMITOMO OUTSIDE SLOW SPEED SIDE	3	48.66	145.98	25 B
15527	6213JEM	BEARING SUMITOMO INSIDE SLOW SPEED SIDE	3	50.97	152.92	25 B
15540	63-23-175-8	TRANSFORMER SOLA SIEMENS750VA	1	709.55	709.55	26 C
15541	63-32-210-8	TRANSFORMER SOLA SIEMENS 1KVA	4	1,080.14	4,320.56	26 C
15542	63-23-215-8	TRANSFORMER SOLA SIEMENS 1.5KVA	1	1,153.59	1,153.59	26 C
15544	63-23-230-8	TRANSFORMER SOLA SIEMENS 3KVA	1	2,631.50	2,631.50	26 C
15545	63-23-250-8	TRANSFORMER SOLA SIEMENS 5KVA	2	3,300.83	6,601.66	26 C
15554	6304-0001	WHEEL ASSEMBLY-5-3/8 STEEL ROLLER BEARING	4	216.00	864.00	23 C
15556	6305JEM	BEARING SUMITOMO HIGH SPEED SIDE	3	16.36	49.09	25 B
15557	6306JEM	BEARING SUMITOMO OUTSIDE SLOW SPEED SIDE	1	24.92	24.92	25 B
15558	6315115	ODDSIZE SCISSOR LIFT SOLENOID	22	69.50	1,529.00	23 B
15566	507-63463	CLAIM LOWER WEAR BAR FOR STEARNS MU	2	51.98	103.96	23 C
15568	635G	METER HOUR 120 V AC	1	95.50	95.50	45 B
15586	641162701GB	SEALS	1	19.31	19.31	25 C
15596	65 X 1/8 RIV	DIAMOND CHAIN OVERHEAD DOOR DRIVE	6	31.10	186.60	20 C
15598	650J6	MICRO-V BELT FOR HSD SERPENTINE	14	9.42	131.82	8 E
15614	65673	BRADY CORD LOCKOUT	2	12.40	24.80	-
15619	6603-20-01	PADDLE ASSY REFURBED NEW W/SERPENTINE HSD	2	3,532.50	7,065.00	22 D
15622	6603-20-05	HSD WELDMENT -01 PADDLE HSD (SIEMENS)	2	1,256.56	2,513.12	22 D
15623	6603-20-13	PULLEY DRIVE HEAD HSD	4	140.16	560.65	22 B
15625	6603-20-17	SHAFT MAIN DRIVE HSD	17	71.35	1,212.95	22 C
15626	6603-20-18	SENSOR SMNS HSD SPROCKET MACHINED	10	61.83	618.30	22 C
15627	6603-20-20	BELT TENSIONER HSD	26	65.00	1,690.00	22 D
15628	6603-20-22	STANCHION HSD	6	7.50	45.00	22 D
15629	6603-20-23	BELT GUARD HSD	7	45.00	315.00	22 D
15630	6603-20-25	WELDMENT TIE ROD CAM & SPROCKET HSD	3	261.28	783.84	22 C
15631	6603-20-30	VERTICAL BELT W/V-GUIDE HSD SIEMENS	1	87.50	87.50	22 A
15632	6603-20-38	IDLER PULLEY ASSY HSD SEE SPEC/ NOTES	4	138.00	552.00	22 B

Item No.	User-defined Field 1	Description	OnHand	AvgCost	Extended	Location
15634	6603-30-05	ROD CONNECTING HSD	2	20.43	40.86	22 C
15635	6603-30-10	CLUTCH BRAKE SHAFT WELDMENT WRAP SPRING CB-10	3	628.47	1,885.42	22 C
15636	6603-30-12	PULLEY DRIVE WELDMENT HSD	2	436.84	873.69	22 C
15638	6603-30-18	SPROCKET CAM MACHINED HSD SIEMENS	5	90.00	450.00	22 C
15639	6603-30-24	SMNS HSD SPACER IDLER SPROCKET	4	7.83	31.33	22 B
15640	6603-30-28	HSD BOLT PRIMARY CRANK	2	5.59	11.18	22 B
15641	6603-30-29	BEARING HOUSING ASSEMBLY HSD	13	239.26	3,110.38	22 C
15642	6603-30-31	CLUTCH BRAKE BUSHING SUPPORT WRAP SPRING HSD	2	251.49	502.99	22 B
15643	6603-30-32	CLUTCH BRAKE SPACER WRAP SPRING	12	5.50	66.00	22 B
15644	6603-30-34L	PADDLE CHAIN & ROD ASSEMBLY LH HSD	2	692.35	1,384.69	22 C
15645	6603-30-34R	PADDLE CHAIN & ROD ASSEMBLY RH HSD	2	688.15	1,376.30	22 C
15646	6603-30-38	KIT IDLER TENSION UNIVERSAL P2B	2	191.79	383.58	22 C
15660	67283-6	CLAIM BUMPER STRIPS FOR MU 6' LENGTH	19	282.70	5,371.30	26 A
15660	67283-6	CLAIM BUMPER STRIPS FOR MU 6' LENGTH	4	282.70	1,130.80	19 C
15664	67402	CLAIM DRIVE CHAIN MU	1	984.95	984.95	24 C
15666	67449	CLAIM BUMPER INSERT	22	10.51	231.11	19 C
15672	67552	IDLER MACHANISM ASSY STEARNS MU	1	389.12	389.12	24 C
15676	67564	EXPANSION CURVES 67568LH	2	6,000.00	12,000.00	-
15677	67567	EXPANSION CURVES	2	6,000.00	12,000.00	-
15698	6926K77	COPPER STANDARD BARREL TERMINAL NO.2 AWG 3/8	25	0.07	1.75	-
15788	LPS-RK-80	FUSE 80A TIME DELAY	4	10.50	42.00	-
15790	6F327	FUSE 110A TIME DELAY LPS-RK-110	1	8.75	8.75	BOWMAN 1
15791	6F328	FUSE 150A TIME DELAY LPS-RK-150	9	11.45	103.05	BOWMAN 1
15792	6F329	FUSE 175AMP 600V DUAL ELEMENT TIME DELAY LOW PEAK	3	13.50	40.50	BOWMAN 1
15793	6F330	FUSE 225A TIME DELAY LPS-RK-225	4	14.25	57.00	BOWMAN 1
15794	6F331	FUSE 250A TIME DELAY LPS-RK-250	3	14.75	44.25	BOWMAN 1
15807	6J1.94-1108	SHEAVE TAPER LOCK 1108 6J1.94 7/8 HSD	5	13.53	67.65	21 B
15808	6J2.24	SHEAVE TAPER LOCK 1108 6J2.24 7/8 HSD	4	14.04	56.16	21 B
15834	6NB14	LAMP FLUORESCENT 20W COOL WHITE 2FT TUBE	46	2.66	122.21	12 A
15834	6NB14	LAMP FLUORESCENT 20W COOL WHITE 2FT TUBE	8	2.66	21.25	19 A
15857	6X139	METER HOUR (SIEMENS)	1	0.00	0.00	2 D
15930	700-N400 A1	PLC RELAY 4NO/NC COIL 110/120VAC 50/60HZ	4	51.00	204.00	44 D
15939	700-P1200-A1 B	RELAY CONTROL 120V 12-POLE	2	286.90	573.80	44 D 9
15942	700-P400-A1	CONTROL RELAY 10A 600V 4-POLE CONTACT	15	53.03	795.45	44 E
15947	700-P800A1	RELAY 120VAC 8-POLE CONTACT	2	45.00	90.00	44 D
15948	700-PB40	PLC CONTROL RELAY	4	135.00	540.00	44 E 4
15949	700-PC40	PLC CONTROL RELAY	4	55.25	221.00	44 E 3
15951	700-PT200B11	PLC TIMING RELAY 110/115V 50HZ.	1	55.25	55.25	44 E 2
16000	7023047	PHOTOEYE WL2000-B5300 SICK	1	74.60	74.60	2 D
16002	7026986	LENS COVERS FOR CLV-490	8	6.80	54.40	LEADS CABINET
16014	7038K35	STEP DOWN TRANSFROMER VPP	1	109.42	109.42	-
16111	71702-G02	HIP RESTRAINT 2003	1	31.58	31.58	19 B
16118	7190-0010	CHAIN TENSIONER AY W/ LIMIT SWITCH	5	125.00	625.00	23 C
16130	7233	HORSE SHOE JUMPER SIEMENS	500	0.04	20.00	2 D
16134	7250137	36V 100A SPDT RELAY (ORANGE CART)	1	80.00	80.00	19 B

Item No.	User-defined Field 1	Description	OnHand	AvgCost	Extended	Location
16141	72C8664	ATR E-BOX FAN FILTER	15	0.27	4.08	-
16192	7404547	BUSHING GROMET TORQ ARM 500	13	4.35	56.52	16 C
16199	7421132	BUSHING ELECTRA GEAR TORQUE ARM	1	7.13	7.13	16 C
16201	7434330	SHIM KIT INPUT ELECTRA GEAR 500 HKC REDUCER	1	1.85	1.85	16 C
16202	7434331	SHIM KIT OUTPUT ELECTRA GEAR REDUCER	1	38.47	38.47	16 C
16205	7443	SEAL INPUT BROWNING 107SMT09 AY1743	6	2.24	13.43	25 C
16207	21MHIC1410 D/R	REDUCER ELECTRA GEAR 10:1	1	378.67	378.67	17 A
16274	77100M	RIBBON TAKE-UP SPINDLE ASSY FOR ZEBRA PRIN	1	34.50	34.50	LEAD'S CABINET
16278	77498M	REWIND SPINDLE & MOTOR ASSY KIT FOR ZEBRA P	1	153.40	153.40	LEAD'S CABINET
16286	7824	OIL SEAL	9	6.34	57.06	25 C
16287	7850-3423721	SCANNERS CIMAX 7850 SICK	2	2,410.00	4,820.00	14 D
16294	7900-01-0005	BRACKET FOR MOD 3 MU UNITS	57	12.00	684.00	24 B
16297	7937-0000	SPROCKET ASSY FOR OVER TRAVEL LIMIT SWITCH	5	0.00	0.00	23 C
16315	8-590	PHOTO EYE BASE RELAY	10	22.00	220.00	46 B
16316	8-591	PHOTO EYE BASE RELAY	3	23.00	69.00	46 B
16317	80	CLAIM UNIT DRIVE CHAIN WITH 1/2 AND MASTER LINKS	31.25	0.00	0.00	24 C 9
16319	80 BS 13 HT	SPROCKET 80 BS 13 TEETH 1-15/16"	4	38.40	153.60	20 B
16321	80 PARTS	CLAIM DRIVE CHAIN (USE FOR PARTS ONLY)	9	0.00	0.00	24 C
16333	080042	BEARING CAP 1-7/16" PORTEC	17	4.95	84.15	15 C
16338	800MR-H33B	SWITCH ALLEN-BRADLEY KEYED SELECTOR SWITCH	1	43.23	43.23	45 G
16339	800MRP16W	SWITCH ALLEN-BRADLEY PILOT LIGHT SWITCH WHITE	1	33.18	33.18	45 G
16344	800T-XD4	CONTACT BLOCK 1NC LATE BREAK SHALLOW	1	8.00	8.00	SHELF 76
16348	800T-A1	PUSHBUTTON	3	27.25	81.75	45 G
16349	800T-A1A	PUSHBUTTON GREEN FLUSH MOMENTARY W/1NO 1NC	4	27.50	110.00	45 G
16351	800T-A1D1	PUSHBUTTON GREEN FLUSH HEAD 1NO	2	33.00	66.00	45 F
16353	800T-A2A	PUSHBUTTON BLACK FLUSH HEAD 1NO/1NC	1	41.92	41.92	45 G
16355	800T-A2D1	PUSHBUTTON BLACK FLUSH HEAD	7	33.00	231.00	45 G
16364	800T-FX6A5	PUSHBUTTON	3	17.03	51.09	45 G
16371	800T-FXP16RA1	PUSHBUTTON 30MM RED MUSHD ILL E-STOP PUSH/PULL	16	100.69	1,611.04	45 G
16376	800T-H2A	SELECTOR SWITCH 2POS MAINTAINED 1NO/1NC WHITE KNOB	4	46.61	186.43	45 G
16383	800T-H33A	SWITCH SELECTOR SW 2 POS MAINTAINED KEY 2-1NO/1NC	17	25.45	432.62	45 G
16390	800T-J2	SWITCH AB SW 3 POS MAINTAINED 1NO/1NC	9	25.00	225.00	45 E
16398	800T-J44A	KEYED SWITCH ALLAN-BRADLY	2	121.70	243.40	2 D
16403	800T-N122-A	CAP FOR PILOT LIGHT AMBER MINI	4	4.03	16.12	45 E
16404	800T-N122-B	CAP FOR PILOT LIGHT BLUE MINI	5	4.03	20.15	45 E
16405	800T-N122-G	800T TYPE LENS GREEN	4	4.03	16.12	45 E
16406	800T-N122-R	CAP FOR PILOT LIGHT RED	4	4.03	16.12	45 E
16410	800T-N159A	800T TYPE LENS AMBER	1	6.00	6.00	45 E
16411	800T-N159B	BLUE BUTTON MUSHROOM CAP	6	18.13	108.78	45 G
16412	800T-N159R	CAP FOR PUSHBUTTON PUSH PULL RED	2	18.13	36.26	45 G
16414	800T-N26A	LENS AMBER PILOT LIGHT	23	2.10	48.30	46 A
16415	800T-N26B	LIGHT PILOT LIGHT ACCESSARY BLUE ALLEN BRADLEY	6	4.78	28.67	46 A
16416	800T-N26G	CAP FOR PILOT LIGHT STANDARD GREEN	11	5.49	60.40	46 A
16417	800T-N26R	LENS RED PILOT LIGHT	10	2.10	21.00	46 A
16418	800T-N26W	LENS WHITE PILOT LIGHT	11	1.25	13.75	46 A

Item No.	User-defined Field 1	Description	OnHand	AvgCost	Extended	Location
16421	800T-N41	PUSHBUTTON LENS GREEN EXT HEAD	8	2.31	18.48	46 B
16424	800T-N44	PILOT LIGHT ACCESSORY WHITE	6	2.10	12.60	46 B
16428	800T-P16A	LIGHT PILOT 120V AMBER	5	29.82	149.10	46 A
16453	800T-PT16	SWITCH PUSHBUTTON 12V TRANS	6	39.50	237.00	46 A
16454	800T-PT16A	LIGHT PILOT PUSH TO TEST AMBER	3	39.50	118.50	46 A
16457	800T-PT16R	LIGHT PILOT PUSH TO TEST RED	3	27.30	81.90	46 A
16466	800T-XA	PUSHBUTTON RED	8	32.50	260.00	46 A
16467	800T-XA1	CONTACT BLOCK 1NO SHALLOW 1NC LATE BREAK	4	24.49	97.96	46 A
16469	800T-XA4	CONTACT BLOCK	2	14.11	28.22	46 A
16471	800T-XD1	CONTACT BLOCK 1NO COMPATIBLE W/800T-FXTA1	2	0.00	0.00	46 A
16498	802T AP	LIMIT SWITCH OILTIGHT LEVER TYPE 4/13 PLUG-IN	1	45.00	45.00	46 B
16499	802T K-1	SWITCH ALLEN-BRADLEY LIMIT SWITCH	2	45.00	90.00	46 B
16500	802T-A2P	SWITCH ALLEN-BRADLY LIMIT SWITCH	1	45.00	45.00	46 B
16502	802T-ATP	SWITCH ALLEN-BRADLEY OIL TIGHT LIMIT SWITCH	14	69.00	966.00	46 B
16503	802T-B	LIMIT SWITCH-ALLEN BRADLEY	2	76.83	153.66	46 B
16505	802T-K	LIMIT SWITCH PUSH VERTICAL	1	100.60	100.60	46 B
16506	802T-W2B	LIMIT SWITCH ARM LEVER	45	12.18	548.10	46 B
16521	809-0062-101	BLACK CURTAIN 11 3/4 X 1/16	6	35.00	210.00	23 A
16529	80BS19HT	SPROCKET SKI CLAIM 1-11/16" BORE	4	151.29	605.18	24 C
16533	80BTB28H	SPROCKET 80 BTB 28 TEETH 2517	1	60.00	60.00	20 B
16535	80BTL16H	SPROCKET 80 BTL 16 TEETH 2012	3	60.00	180.00	20 B
16540	80BTL25H	SPROCKET 80 BTL 25 TEETH 2517	2	0.00	0.00	20 B
16545	80CPB345MA222	BROWING COUPLER FOR TICKET COUNTERS	2	144.70	289.40	16 B
16550	8107163A	LIGHT BULB FOR STARTUP BEACON LEVEL 5 CLAIM	1	8.75	8.75	19 A 3
16567	83K4223	COMAIR ROTRON MUFFIN FAN (MX2A3)	2	14.54	29.08	SHELF 69A
16569	8425 MT CABLE	5 CONDUCTOR CABLE LIFTS	138	2.50	345.00	2 E
16571	8451A35	EDGE TRIM FOR METAL EDGES	12	0.62	7.44	19 B
16581	85-215-00	TAYLOR-DUNN COPRESSON SPRING BRAKE	2	2.54	5.08	19 B
16582	85-411-10	BRAKE SPRING GREEN TAYLOR DUNN	2	3.65	7.30	19 B
16583	85-411-15	BRAKE SPRING FOR TALOR DUNN	2	3.65	7.30	19 B
16638	85X140X12TC	OIL SEAL EURODRIVE REDUCER SAME AS A85X140X	1	22.42	22.42	25 C 4
16639	507-67282	CLAIM STEARNS FINGER GUARD MU	47.5	4.13	195.94	STEARNS
16672	86525-1	END CAPS SECURITY DOORS L/H ALSO 307648-000	30	2.90	87.00	20 B
16673	86525-2	END CAP SECURITY DOORS R/H ALSO 307648-0002	30	2.90	87.00	20 B
16679	871A-BRN18	MOUNTING BRACKET ALLEN BRADLEY #871ABRN18	7	25.00	175.00	6 F
16681	871C-A5N18-N3	SENSOR PROX 5MM AC M18 SH NO MINI	1	128.76	128.76	46 B
16682	871L-XPB40S40	PROXIMITY SWITCH (PUSHERS)	2	134.18	268.36	46 B
16699	87F3914	FAN FILTER ASSEMBLE	5	1.86	9.30	46 G
16702	888047	K10/H1 GLUE SIEMENS MERGE BELTS PANG	2	24.12	48.24	14 C
16722	889N-F4AF-6F	A-B 4 PIN MINI STRAIGHT 6FT PIG TAIL	20	15.94	318.80	45 B
16728	889N-R3AFC-6F	CABLE CORD SET YELLOW 3-PIN MINI R/ANGLE HSD PR	2	13.56	27.12	45 B
16738	889R-F4AEA-2	CABLE AC MICRO QD CORDSET 4 PIN 6FT(SIEMENS	8	0.00	0.00	45 B
16750	8MGT-1120-12	BELT POLYCHAIN 8MMX12MMX1120	1	78.95	78.95	5 E
16759	8WD4340-OCB	STROBE RED (SIEMENS# AL00000857)	4	98.87	395.49	2 E
16760	8WD4340-OCD	STROBE LIGHT MODULE AMBER BULB (SIEMENS#ALO	4	91.71	366.85	2 E

Item No.	User-defined Field 1	Description	OnHand	AvgCost	Extended	Location
16761	8WD4340-OCF	STROBE LIGHT BLUE	1	85.34	85.34	2 E
16763	8WD4340-OCE	STROBE LIGHT CLEAR MODULE MODULE	2	87.92	175.85	2 E
16764	8WD4408-OAB	TERMINAL BASE ELEMENT	2	16.80	33.60	2 E
16766	8WD4408-OAB 90	TERMINAL ELEMENT 90 DEG	1	28.80	28.80	2 E
16767	8WD4420-OCB	STROBE LIGHT RED SIEMENS	4	76.25	305.01	2 E
16768	8WD4420- OCD	STROBE LIGHT AMBER SIEMENS	7	75.53	528.71	2 E
16769	8WD4420-OFA	SIEMENS BUZZER ELEMENT FOR STROBE	5	39.70	198.51	2 E
16776	9-3449M-056	SOLENOID COIL FOR HSD	1	65.50	65.50	22 B
16778	47 X 10-1/2	ROLLER	1	180.32	180.32	ROLLER RACK
16786	9001K5	PUSHBUTTON LOCKOUT ATTACHMENT E-STOP S-D	10	44.56	445.60	45 C
16788	UM180-1020 RBT	RBT UM180-1020 CLUTCH BRAKE	7	1.00	7.00	13 J
16811	9007C54B2	LIMIT SWITCH TYPE C 1NO/1NC	8	36.00	288.00	46 C
16813	9007C62B2	LIMIT SWITCH LVR 2NO/NC CMPCT PGIN	6	0.00	0.00	46 C
16898	9034-11-A-39	39" END BRACKET W/ SNUB BLOCK	2	1,500.00	3,000.00	-
17026	92-90	POLARIZED REFLECTOR ALLEN BRADLY	16	6.51	104.21	3 B
17034	924 01072 249	BEI SHAFT ENCODER	5	175.00	875.00	2 E
17080	9411-FP	SOLA VOLTAGE REGULATOR	1	500.00	500.00	SHELF 59
17088	94380A550	CLEVIS PIN 1-1/4" FOR WATER CABINET (11-03	5	9.66	48.28	-
17092	9467-05-39-192	BELT QUEUE 48"BED 99"LG	2	147.00	294.00	14 B
17094	9467-05-39-216	BELT QUEUE 54"BED 111"LG	2	215.31	430.63	14
17096	9467-05-39-223	BELT QUEUE 55.75"BED 116.5"LG	1	195.38	195.38	14 B
17101	9467-05-39-239	BELT QUEUE 59.75" BED 122.5" LG	1	238.48	238.48	14 B
17103	9467-05-39-252	BELT QUEUE 63" BED 129" LG	2	241.77	483.54	14 B
17104	9467-05-39-257	BELT QUEUE 64.25" BED 131.5" LG	3	250.35	751.06	14 B
17105	9467-05-39-259	BELT QUEUE 64.75" BED 132.5" LG	1	139.44	139.44	14 B
17107	9467-05-39-271	BELT QUEUE 67.75" BED 138.5" LG	1	260.24	260.24	14 B
17108	9467-05-39-277	BELT QUEUE 69.25" BED 141.5" LG	1	383.00	383.00	14 B
17112	9467-05-39-288	BELT QUEUE 72" BED 147.00" LG	1	270.65	270.65	14 B
17115	9467-05-39-310	BELT QUEUE 77.5"BED 158" LG	2	451.90	903.80	14 C
17116	9467-05-39-321	BELT QUEUE 80.25" BED 163.5" LG	2	233.23	466.46	14 C
17117	9467-05-39-328	BELT QUEUE 82" BED 167" LG	1	458.32	458.32	14 C
17121	9467-05-39-336	BELT QUEUE 84"BED 171"LG	1	259.52	259.52	14 C
17125	9467-05-39-386	BELT QUEUE 96.5" BED 196" LG	1	343.00	343.00	14 C
17130	9467-ELS-308	BELT QUEUE 77" BED 157" LG	1	249.77	249.77	14 B
17147	9501-FP	SOLA VOLTAGE REGULATOR	5	650.00	3,250.00	26 D
17177	25GSA 145T 15:1	REDUCER 15:1 MORSE	2	1,005.92	2,011.84	17 A
17217	9878	REDUCER OIL SEAL INPUT 115SMT15/203SMT25	11	1.94	21.30	25 C
17254	9944-A-39	PULLEY END 6IN DIA X 38IN W BG 1-7/16 TF	2	96.53	193.06	ROLLER RACK
17256	9944-B-39	PULLEY 6IN W X 38IN W 1.6875 TF	2	0.00	0.00	ROLLER RACK
17260	99502H	BEARING INSERT 5/8 ID X 1-3/8 BAE P/N207-033	9	2.90	26.10	25 B
17262	9952-A-39	PULLEY DRIVE 6.75IN DIA X 39IN W TF	1	175.38	175.38	ROLLER RACK
17267	998GHH4135G	SUMITOMO GASKET KIT	1	7.39	7.39	25 C
17271	2-115	BEARING INSERT ID 1-15/16 SEALMASTER	2	64.73	129.46	15 C
17285	A-SPBSS	HOFFMAN ELECTRICAL ENCLOSURE	2	0.00	0.00	BOWMAN 1
17287	A060	SERIAL DOWNLOAD CABLE FOE PTF29	1	57.03	57.03	-

Item No.	User-defined Field 1	Description	OnHand	AvgCost	Extended	Location
17288	A1-63191-3	DISPLAY ASSY MOUNTING BRAKET ATR SICK	1	125.00	125.00	-
17291	A1-63791-3	AUTO IDENT SICK	1	165.00	165.00	-
17294	A2440	PLC CRYDOM SOLID STATE RELAY	9	35.74	321.63	45 C 2
17295	A2440-S	PANEL MOUNT SOLID STATE RELAY SIEMENS	2	0.00	0.00	3 B
17296	A2901066	WASHER MODIFIED SOUTHWORTH	15	1.75	26.25	23 B
17297	A2901319	ROLLER ASSEMBLY SOUTHWORTH	4	35.40	141.60	23 B
17298	A2904840	ODDSIZE SHAFTUPPER ROLLER SOUTHWORTH	4	23.10	92.40	23 C 8
17299	A2904841	ODDSIZE SHAFTLOWER ROLLERSOUTHWORTH	5	10.60	53.00	23 B
17310	A3X126-14-YLW-M	RJ45 CAT 5E UTP CROSSOVER CABLE SIEMENS	1	0.00	0.00	3 B
17324	A578812	BELTING 36W MERGE	28	9.03	252.87	-
17337	A6T3 AMP	FUSE 600V GOULD	26	2.00	52.00	BOWMAN 1
17360	ABC-20	FUSE 20A 250V	4	1.00	4.00	BOWMAN 1
17362	ABC5	FUSE 5A 250V FAST-BLO (SQUARE-D CARD)6F043	1	0.96	0.96	BOWMAN 1
17383	AFLR10	FILTERS HOFFMAN	15	6.59	98.85	26 B
17386	AGC-1	FUSE 1A 250VAC FAST-ACTING GLASS	3	0.32	0.96	EAST WALL
17439	AL206-5000	ACTUATOR LEVER	26	45.00	1,170.00	22 D
17440	AL206-5001	HSD WRAP SPRIING ACTUATOR RETURN ASSY	23	15.00	345.00	22 D
17443	AL206-5017	SOLENOID ADAPTER PLATE R/H HSD	15	85.00	1,275.00	22 D
17444	AL206-5025	SOLENOID ADAPTER PLATE L/H HSD	4	88.46	353.84	22 D
17461	AL257-9102	FULL LENGTH PINCH ROLLER SIEMENS MERGES	4	270.45	1,081.78	ROLLER RACK
17468	AL3RT1024-1AK60	CONTACTOR	23	15.17	348.91	1 B
17469	AL3RT1024-1BB40	CONTACTOR	1	28.88	28.88	1 C
17473	AL52AALE	LOCK OUT HASP FOR SIEMENS E-STOP	11	25.19	277.09	45 C
17479	6603-20-15	PULLEY SHAFT DRIVE HEAD HSD	3	52.42	157.26	22 C
17485	6603-30-03	SMNS HSD SHAFT CAM SPROCKET	2	287.22	574.44	22 C
17506	AL8WD4308-0AB	TERMINAL ELEMENT	2	10.92	21.84	2 E
17520	ALCV5000D207	T-BOLT MU UNITS MOD 3 MU	62	1.29	79.98	24 B
17521	ALCV52A500-01	CLAIM SLOPE PLATE CHAIN CONNECTING LINK ASSY	1	121.69	121.69	24 A
17525	ALFCK610	FUSE BLOCK KIT 100A 600VAC	1	105.87	105.87	3 B
17526	ALFCK620	FUSE KIT 200A 600VAC CLASS J	1	196.28	196.28	3 B
17527	ALFHOEC048	DISCONNECT CABLE FOR 30/100 MSC DISCONNECT	1	67.27	67.27	-
17528	ALFHOJCO48	CABLE ONLY FOR VARIABLE DEPTH FLANGE 200 AM	2	58.57	117.14	3 B
17531	MTALH-0000-019	DRIVE SHAFT NEW HSD	1	207.53	207.53	22 A
17532	ALH-0000-022	MOUNT NOISE ROLLER 6650 HSD	2	152.28	304.57	22 A
17533	ALH-0000-023	MOUNT TAIL ROLLER 6650 HSD	4	124.60	498.39	22 A
17534	ALH-0000-024	RETAINER BEARING 6650 HSD	3	69.22	207.67	22 A
17535	ALH-0000-028	SPROCKET DRIVE SIDE HSD	2	435.94	871.88	22 A
17540	ALH-0000-068	WELDMENT (TRANSITION SIDE)	2	286.60	573.20	22 A
17548	ALU0000001	DEBRIS BRUSH ASS(SIEMENS)	12	14.40	172.80	24 B
17562	APPST-50	SEAL THIGHT STERATE	10	2.83	28.27	BOWMAN
17563	APPST9050	SEAL TIGHT 90	11	4.20	46.21	BOWMAN
17582	ATQR20/FNQ-R-20	FUSE 20A 600V TIME DELAY CURRENT LIMIT MIDGET CC	9	14.63	131.67	BOWMAN 1
17604	AX31	V-BELT AX31	24	4.50	108.04	8 E
17606	AX33	V-BELT AX33	6	5.17	31.02	8 E
17608	AX35	V-BELT AX35	12	5.10	61.25	8 E

Item No.	User-defined Field 1	Description	OnHand	AvgCost	Extended	Location
17615	AX-42	V-BELT AX42	7	5.78	40.46	8 E
17619	AX46	V-BELT AX46	5	5.10	25.50	8 E
17621	AX48	V-BELT AX48	7	5.77	40.40	8 E
17624	AX51	V-BELT AX51	12	6.02	72.20	8 E
17633	AX60	V-BELT AX60	14	6.99	97.93	8 E
17636	AX64	V-BELT AX64	4	7.17	28.68	8 E
17641	AX75	V-BELT AX75	8	7.70	61.60	8 E
17642	AX78	V-BELT AX78	2	9.61	19.22	8 E
17643	AX80	V-BELT AX80	14	9.01	126.13	8 E
17645	AX85	V-BELT AX85	10	9.90	99.00	4 E
17646	AX90	V-BELT AX90	5	10.01	50.05	8 E
17647	AX96	V-BELT AX96	9	11.56	104.06	8 E
17663	B1062-2	ROLLER RETURN BEARING SMOOTH	12	16.50	198.00	25 B
17667	B21	SPROCKET 2040	1	80.00	80.00	20 B
17830	B93MN5574	REDUCER 30:1 MORSE	1	558.65	558.65	18 B
17831	BACK STOPS	STOPS FOR TO UNITS	2	26.30	52.60	23 C
17896	BUS BAR	TERMINAL STRIP WITH MOUNT	49	0.00	0.00	3 B
17901	BXT-201/AS-WBXT-201	CABLE BUS EXTENSION AEG	1	177.50	177.50	SHELF 74A
17907	C-187	DOOR SLATS CLAIM UNITS	24	2.70	64.80	25 D
17909	C-2040	TSUBAKI ROLLER CHAIN	25	36.60	915.00	20 C
17911	C-4838 45	BELT POWERTURN C4838 45 DEG	4	989.00	3,956.00	SPIROL ROOM
17913	970048	BELT POWERTURN 90DEG 18ED DROP	1	2,390.85	2,390.85	13 C
17920	402493	BELT POWERTURN 90 DEG RIGHT OR LEFT TURN	1	2,159.85	2,159.85	12 C
17951	C250S50	PHILLIPS 250W BULB	19	5.50	104.50	19 A
17952	C262 BRACKET	MOUNTING BRACKET FOR C262 REDUCER	1	25.00	25.00	SHELF 53
17955	C362H1	SWITCH CUTLER/HAMMER N-12 SELECTOR SWITCH	1	29.77	29.77	46 C
17956	C362N40	SWITCH CUTLER/HAMMER NON FUSIBLE SWITCH 600	2	39.51	79.01	45 C
17964	C52B2	SWITCH SQUARE-D LIMIT SWITCH	2	82.93	165.86	SHELF 76A
17966	C6-3-10	CABLE ASSY 6-PIN CONDUCTOR 10FT FOR SHAFT ENCODER	5	200.00	1,000.00	3 B
17976	CA7-PA-10	SPRECHER AUXILIARY CONTACT 3 POLE 600 VAC 1	4	7.80	31.20	3 B
17983	CAT 3 CABLE	PHONE CABLE CAT 3 24AWG THREE PAIR	50	1.00	50.00	SHELF 29A
17993	CBC150-1	CLUTCH BRAKE RECTIFIER CBC-150-1 90V	8	74.54	596.36	13 I
18008	CBP 116	PLC SY/MAX TERMINAL BLOCK 16 FUNCTION I/O	4	113.00	452.00	46 D
18009	CC-15	PLC SQUARE-D POWER CABLE	2	106.25	212.50	SHELF 16A
18015	CF2SB	CAM FOLLOWER 1/2 IN FLAT MU	26	33.14	861.68	24 C
18026	CA7-23-10-120-NO	SWITCH SPRECHER CONTACTOR 3 POLE 600 VAC 4	1	90.48	90.48	3 B
18050	CONTACTS	REPLACEMENT CONTACTS RECT. AND ROUND	10	0.00	0.00	19 B
18051	CONV-065	SPRING ELASTO	76	5.50	418.00	23 B
18054	COVERS	FAN SHROUDS & BRAKE COVERS (USED)	14	0.00	0.00	11 A
18060	CR13739	SEAL ELECTRA GEAR 500HKC REDUCER	5	5.07	25.35	25 C 3
18061	CR19887	SEAL FOR ELECTRA GEAR 21HIC	2	8.72	17.45	25 C
18064	CR21164	SEAL ELECTRO GEAR 26MH	5	4.92	24.59	25 C
18066	26186	SEAL OUTPUT 115SMT15 & 115SMT25	2	10.44	20.88	25 C
18067	CR276285	INPUT SEAL C262	13	11.95	155.38	25 C
18069	CR334272	SEAL TIGEAR INPUT 23A	14	7.67	107.34	25 C

Item No.	User-defined Field 1	Description	OnHand	AvgCost	Extended	Location
18070	CR334277	SEAL TIGEAR OUTPUT SHAFT 23A	6	9.43	56.56	25 C
18071	CR37533	SEAL FOR ELECTRA GEAR 500	4	15.34	61.36	25 C
18076	CR9820	OIL SEAL	1	2.09	2.09	25 C
18084	CRM210	PLC SQUARE-D LOCAL I/O INTERFACE MODULE	1	1,117.00	1,117.00	26 A
18085	CRM222	PLC SQUARE-D REMOTE INTERFACE MODULE	2	535.00	1,070.00	26 A
18088	CS4-132-120	LIGHT FIXTURE 4 FT 120VAC	1	21.43	21.43	12 A
18108	CV5224	CLAIM SLOPE PLATE BUMPER RETAINING PLATE M	75	4.47	335.25	24 B
18109	CV5280	PULLEY SLOPE PLATE FRICTION DRIVE MU	1	206.70	206.70	18 D
18110	CV5282	45MM X 290MM SHAFT MODE 3 MU	2	39.00	78.00	24 B
18111	CV52A100-L	CLAIM DRIVE BASE ASS. MOD3 EAST MU	1	3,500.00	3,500.00	18 D
18112	CV52A500	SLOPE PLATE CHAIN LINK ASSY MU	14	82.23	1,151.22	24 B
18113	CV52D104	DRIVE BELT FOR MAKEUP UNIT COLBY MU	1	490.43	490.43	24 B
18115	CV52D311	CLAIM SLOPE PLATE ALUMINUM EXTRUSION 90DEG	1	119.54	119.54	EAST WALL WARRA
18116	CV52D312	CLAIM SLOPE PLATE ALUMINUM EXTRUSION 3.15M	2	83.80	167.60	EAST WALL WARRN
18123	CYR 1-3/4 S	BEARING V-BELT IDLER CAM FOLLOWER	32	18.50	592.00	22 B
18128	52PE6D9AXX	SENSOR PUSHBUTTON AMBER OVER HIEGHT	5	36.91	184.55	2 B
18130	D-AH8001B	HOFFMAN HEATER 800W	5	27.50	137.50	46 E
18138	800T-J69A	KEYSWITCH 3 POSM-M-S	3	143.89	431.67	2 D
18141	3/16 X 1-1/4 RIVET	HSD RIVET FOR HSD CHAIN DRIVE	6	0.30	1.80	-
18143	2909189	TUB BOTTOM BRACKET	3	5.32	15.96	23 B
18147	40 B 21	SPROCKET 40 B 21 TEETH 1-1/4"	2	80.00	160.00	20 B
18151	D807-10-0001	WASHER WRAP SPRING OUTPUT SHAFT	2	31.88	63.76	18 C
18152	D807-10-0002	SPACER TABBED INPUT COLLAR FOR WRAP SPRING	2	26.69	53.38	18 C
18154	D80B 17H	SPROCKET DBL 80 B 17 TEETH 1-15/16" DIA	4	89.20	356.80	20 B
18156	D80B16H	SPROCKET DBL 80 B 16 TEETH 1-15/16" DIA	4	82.71	330.84	20 B
18167	9910-4000-0230	BEARING 3 BOLT FLANGE ID 1-7/16	6	42.84	257.02	15 B
18230	DRIP PAN	DRIP PAN	1	0.00	0.00	25 D
18233	DS116-NA	ETHERNET HUBS NET GEAR SICK	4	186.40	745.60	3 B
18242	6603-30-04	BEARING RETAINER CAP HSD	4	15.87	63.49	22 B
18244	6603-30-09	SPROCKET PLATE ADJ IDLER HSD	7	60.05	420.32	22 B
18246	6603-30-14	HSD VIBRATION BRACKET	3	74.09	222.27	22 B
18254	DXCV5000A601	COLBY SLOPE PLATE WHEEL ASSEMBLY MU MOD 3	58	13.41	778.00	24 B
18290	E13	SWITCH CHERRY ELECTRIC LIMIT SWITCH OVERHEA	6	40.25	241.50	46 C
18293	E19-00K0	SWITCH CHERRY ELECTRIC LIMIT SWITCH	3	7.83	23.49	46 C
18297	E35EP3900T02	BEARING HOUSING BALDOR VBM-3558T	3	48.96	146.88	11 A
18331	E93MM5946	REDUCER 13.33:1	4	521.00	2,084.00	REDUCER RACK
18340	EE71	CART SWITCH	1	107.62	107.62	19 B
18343	EH-1279-000	5 VOLT POWER SUPPLY	1	35.00	35.00	46 D
18380	F0025-A	FEDERAL SIGNAL VITALITE AMBER LENS	1	4.50	4.50	44 A
18381	F0025-C	FEDERAL SIGNAL VITALITE CLEAR LENS	1	4.50	4.50	44 A
18382	F0025-R	FEDERAL SIGNAL VITALITE RED LENS	1	4.50	4.50	44 A
18383	F0025000105A	PLC RAPISTAN I/O MOUNTING RACK	2	253.00	506.00	SHELF 64A
18384	F002500022B	CABLE ASSEMBLY CONVERTER RAPISTAN	3	28.50	85.50	46 E
18386	F002500081	BOARD PARALLEL INPUT RAPISTAN	2	519.00	1,038.00	SHELF 71A
18388	F002500105	I/O Crd opto 22	2	550.00	1,100.00	26 A

Item No.	User-defined Field 1	Description	OnHand	AvgCost	Extended	Location
18390	F002500119	BOARD CPU 80186 PROCESSOR RAPISTAN	1	1,365.00	1,365.00	SHELF 71A
18392	F002500132A	CABLE ASSEMBLY VDT RAPISTAN	1	24.00	24.00	SHELF 64A
18412	F265	DOOR SLATS NON-INSULATED SECURITY DOORS	18	14.85	267.30	25 D
18427	Martin NO6	Martin Quadra flex coupling NO6	4	25.27	101.07	22 C
18431	F48T12/CW/HO	PHILLIPS FLUORESCENT BULB 4 FT	15	10.00	150.00	12 A
18433	F4B-SC-107	BEARING FLANGE UNIT	2	41.06	82.12	15 B
18435	F4B-SC-112	BEARING 1-3/4" SCISSOR LIFTS	9	51.22	460.98	15 A
18436	F4B-SCM-111	BEARING 4-BOLT FLANGE ID 1-11/16	3	72.17	216.51	15 A
18445	FA0003	COUPLING SLEEVE 1 1/8"	3	22.62	67.85	16 B
18446	FA0004	COUPLING SLEEVE 1 3/8" NYLON	7	26.67	186.68	16 B
18447	FA0018	REDUCER HUB 1-1/8" COUPLING MORSE	2	174.09	348.17	16 B
18448	FA0034	REDUCER HUB 1 3/8"	2	116.50	233.00	16 B
18449	FA0063	MOTOR 1-1/8" HUB COUPLER	1	172.12	172.12	16 B
18450	FA0077	MOTOR 1 3/8" HUB	3	208.99	626.97	16 B
18451	FA0532	REDUCER NYLON COUPLER 180T	4	42.99	171.96	16 B
18453	231-6340	ROLL PIN SOUTHWORTH LIFT	2	0.10	0.20	23 B
18467	FC207	BEARING TRANSNORM OUTSIDE RADIUS HOUSING	6	35.00	210.00	15 C
18481	FE200-200A	FUSE EJECTORS KIT	5	15.36	76.80	3 C
18488	FHOHS	HANDLE ONLY FOR VARIABLE DEPTH FLANGE	1	102.42	102.42	3 C
18490	FHOS20R	SWITCH OPERATOR FOR VARIABLE DEPTH FLANGE	2	52.80	105.60	3 C
18519	FLS-R 1	FUSE 1AMP 600V CLASS RK5 DUAL ELEMENT	13	4.85	63.05	BOWMAN 1
18539	FLS-R-2 1/4	FUSE 2.25A 600VAC TIME DELAY	11	5.30	58.30	BOWMAN 1
18545	FLS-R-4 1/2	FUSE 4-1/2A 600VAC TIME DELAY (SAME AS FRS-R-4-1	4	0.56	2.24	BOWMAN 1
18556	FLSR 3-2/10	FUSE 3.2AMP 600V CLASS RK5 TIME DELAY DUAL ELEMENT	16	4.31	68.96	BOWMAN 1
18576	FNQ-R-1	FUSE 1A 600V TIME DELAY FNQ-R-1	10	0.79	7.85	BOWMAN 1
18600	FR228011HVDS	BEARING MILLER RETURN ROLLER BEARING RIBBER	5	14.93	74.63	25 B
18609	FRN-R-1	FUSE 1A 250V TIME DELAY	20	2.92	58.35	BOWMAN 1
18611	FRN-R-10	FUSE 10A 250VAC TIME DELAY DUAL ELEMENT RK5	21	9.96	209.06	EAST WALL
18613	FRN-R-15	FUSE 15A 250VAC TIME DELAY DUAL ELEMENT RK5	10	4.43	44.30	BOWMAN 1
18614	FRN-R-1-1/2	FUSE 1.5A 250VAC TIME DELAY	9	0.00	0.00	EAST WALL
18615	FRN-R-2	FUSE 2A 250VAC TIME DELAY DUAL ELEMENT RK5	6	7.32	43.92	BOWMAN 1
18620	FRN-R-3-2/10	FUSE 3.2AMP 250V CLASS RK5 TIME DELAY DUAL ELEMENT	6	7.34	44.02	BOWMAN 1
18620	FRN-R-3-2/10	FUSE 3.2AMP 250V CLASS RK5 TIME DELAY DUAL ELEMENT	12	7.34	88.04	EAST WALL
18623	FRN-R-5	FUSE 5A 250VAC TIME DELAY DUAL ELEMENT RK5	23	3.34	76.88	BOWMAN 1
18624	FRN-R-6	FUSE 6A 250VAC TIME DELAY DUAL ELEMENT RK5	16	3.25	52.00	EAST WALL
18626	FRN-R-7	FUSE 7A 250VAC TIME DELAY DUAL ELEMENT RK5	7	9.02	63.14	EAST WALL
18635	FRS-R-2-1/2	FUSE 2-1/2A 600VAC TIME DELAY DUAL ELEMENT RK5	12	1.50	18.00	BOWMAN 1
18665	FRS R-8	FUSE 8A 600V TIME DELAY	10	0.00	0.00	EAST WALL
18677	FRS-R-10	FUSE 10A 600VAC TIME DELAY DUAL ELEMENT RK5	55	2.53	139.15	BOWMAN 1
18680	FRS-R-12	FUSE 12A 600VAC TIME DELAY DUAL ELEMENT	4	0.49	1.96	BOWMAN 1
18682	FRS-R-15	FUSE 15A 600VAC TIME DELAY DUAL ELEMENT RK5	2	0.44	0.88	BOWMAN 1
18685	FRS-R-2	FUSE 2A 600VAC TIME DELAY DUAL ELEMENT RK5	20	10.75	215.00	BOWMAN 1
18688	FRS-R-20	FUSE 20A 600VAC TIME DELAY DUAL ELEMENT RK5	12	8.31	99.72	EAST WALL
18689	FRS-R-200	FUSE 200A 600V TIME DELAY	9	310.00	2,790.00	BOWMAN 1
18691	FRS-R-25	FUSE 25A 600VAC TIME DELAY DUAL ELEMENT RK5	16	23.00	368.00	BOWMAN 1

Item No.	User-defined Field 1	Description	OnHand	AvgCost	Extended	Location
18693	FRS-R-3	FUSE 3A 600VAC TIME DELAY	2	5.24	10.48	BOWMAN 1
18696	FRS-R-30	FUSE 30A 600VAC TIME DELAY	5	0.00	0.00	EAST WALL
18699	FRS-R-4	FUSE 4A 600VAC CLASS RK5 DUAL ELEMENT TD	9	8.49	76.41	BOWMAN 1
18702	FRS-R-40	FUSE 40A 600VAC TIME DELAY	4	0.76	3.04	BOWMAN 1
18705	FRS-R-5	FUSE 5A 600VAC TIME DELAY DUAL ELEMENT RK5	7	2.53	17.71	BOWMAN 1
18709	FRS-R-6	FUSE 6A 600VAC CLASS RK5 DUAL ELEMENT TIME DELAY	15	0.00	0.00	EAST WALL
18710	FRS R 6.25	FUSE 6.25A 600VAC TIME DELAY	9	0.49	4.41	EAST WALL
18712	FRS-R-7	FUSE 7A 600V CLASS RK5 DUAL ELEMENT	16	10.05	160.80	BOWMAN 1
18713	FRS-R-70	FUSE 70A 600VAC TIME DELAY	1	3.08	3.08	BOWMAN 1
18718	FRS-R-90	FUSE 90A 600VAC CLASS RK5 TIME DELAY CURRENT	9	3.08	27.72	BOWMAN 1
18742	G-1189	NO 25 RJ O FFSET LINK FOR TSUBAKI	5	2.27	11.33	20 C
18755	G100 3/4	GERBING COUPLER	5	7.50	37.50	16 B
18756	G100 7/8	GERBING COUPLER	29	0.00	0.00	16 B
18760	G300 5/8	GERBING COUPLER	3	0.00	0.00	16 B
18762	G350 1-1/8" MAG	GERBING MOTOR COUPLER RUBBER INSERT	5	5.68	28.40	16 B
18763	14753	SUMITOMO SEAL (HIGH SPEED SIDE) (14753)	3	4.40	13.20	25 C
18765	G500 1" MAH	GERBING MOTOR COUPLER W/RUBBER INSERT	6	27.81	166.87	16 B
18766	G500 1-1/4"	GERBER RUBBER INSERT FOR G500 MAK COULPLER	5	16.87	84.35	16 B
18767	G500 1-1/4" MAK	GERBING MOTOR COUPLER W/RUBBER INSERT	2	80.00	160.00	16 B
18768	G500-1-1/8" MAG	GERBING COUPLING (NO LONGER MADE)	6	25.00	150.00	16 B
18770	G815131	BUSHING TRANSNORM UPPER GUIDE WHEEL	114	0.47	53.58	24 A
18771	G815132	BUSHING TRANSNORM LOWER GUIDE WHEEL	100	0.51	51.00	24 A
18775	GA 7200-4015-N1	TECO WESTINGHOUSE DRIVE INVERTER	1	0.00	0.00	26 C
18779	GBB10	FUSE 10A 250 VAC SLOW BLOW GLASS/CERAMIC	16	1.93	30.88	BOWMAN 1
18793	GF2091MI	GROUND FAULT INTERRUPTER SWITCH	4	45.00	180.00	44 B
18841	011059 (MK-154N)	BEARING W/CAP LF-23G 1-7/16 PORTEC	4	98.00	392.00	15 C
18856	01309	LACING CLIPPER UNIBAR 12IN	58	1.03	59.74	4 C
18857	01376168	2-7/8 X 21 X 9-1/8 SPRING	1	64.72	64.72	-
18878	01MAIN SERVICE DISCO	MAIN SERVICE DISCONNECT	1	100.00	100.00	-
18884	020195	BEADING REPAIR KIT 1500-100 BELT SERIES	16	3.50	56.00	25 C
18904	02100	LACING CLIPPER NONO1 GALVANIZED 12IN	368	1.03	380.74	4 C
18907	02154	LACING CLIPPER NO.2 GALVANIZED 12IN	160	1.11	176.88	4 C
18959	044	SWITCH LIMIT CHERRY ELECTRIC	1	12.00	12.00	46 C
18962	04870817067 F/V	TAGS THERMAL FANFOLD 19IN X 2IN	1	52.25	52.25	OFFICE
18968	NCS065 (05022)	LACING PIN .065 NO.1 CABLE W/LEADER	127	1.32	167.64	4 C
19003	080020	BUSHING NYLON #4 1/2" OD PORTEC	60	0.66	39.60	21 A
19004	080037	UHMW SINGLE BEVEL 1/4" THICK	18	4.50	81.00	16 A
19008	080102	CHAIN GUIDE TEFLON SINGLE GROOVED	33	8.00	264.00	16 A
19009	080103	CHAIN GUIDE TEFLON FLAT/BEVELED	10	5.78	57.75	16 A
19027	075121-0011	COIL 115V FOR SECURITY DOOR	1	99.99	99.99	20 B
19030	081037	DOUBLE BEVEL UHMW 1/4" THICK 13/16" WIDE	8	4.68	37.40	16 A
19041	099028	COUPLING COVER MARTIN 6020COV MAKE-UP	1	41.36	41.36	20 C
19052	1-11/16 SHAFT NONKEY	SHAFT 1-11/16 NONKEYED	26	9.93	258.26	FAB AREA
19064	1-3/16" SHAFT KEYED	SHAFT TICKET COUNTER DOOR SHAFT.	4	10.94	43.76	FAB AREA
19077	1-7/16 KEYED SHAFT	SHAFT 1-7/16 W/KEYWAY (MEASURED BY FOOT)	6	12.63	75.77	FAB AREA

Item No.	User-defined Field 1	Description	OnHand	AvgCost	Extended	Location
19083	1/2-UA/LA-GRAY	1/2 SEAL TIGHT GRAY CONDUIT	72	1.44	103.75	26 D
19094	10250T-91000T-42	ROTO PUSH OPERATOR	2	150.00	300.00	45 C
19098	105603100 QF-REV. A	BRAKE STEARNS	1	55.80	55.80	13 E
19103	106178	SEAL SEW A30X47X7 NBR INPUT MOD 3 MU	4	4.58	18.30	25 C
19104	107SMT05 AY2177	REDUCER 5:08:1	1	550.00	550.00	REDUCER RACK
19105	107SMT09 AY1743	REDUCER 9.2135:1 HEL SFTMT 107SMT09 INLINE	1	811.82	811.82	REDUCER RACK
19107	11/16 SHAFT HEX	SHAFT 11/16 HEX	6	2.35	14.10	FAB AREA
19108	107SMT15 AY1743	REDUCER 15:1 107SMT15 SHAFT MOUNT	2	463.95	927.89	REDUCER RACK
19138	115SMT25 AY1744	REDUCER 25.4545:1 SHAFT MOUNT 115SMT25	1	468.85	468.85	REDUCER RACK
19140	1164249	SLOTTED SPRING PIN 1-1/4"	100	9.43	942.70	BOWMAN
19149	12 GA WIRE BROWN	WIRE POWER COP THHN 12 SPR ORN 50 RL BROWN	488	0.09	43.92	EAST WALL
19150	12 GA WIRE GREEN	WIRE POWER COP THHN 12 SPR ORN 50 RL GREEN	496	0.09	44.64	EAST WALL
19151	12 GA WIRE ORANGE	WIRE POWER COP THHN 12 SPR ORN 50 RL ORANGE	299	0.07	20.93	EAST WALL
19152	12 GA WIRE YELLOW	WIRE POWER COP THHN 12 SPR ORN 50 RL YELLOW	400	0.09	36.00	EAST WALL
19169	1210 X 15/16 KW	BUSHING TAPER LOCK 1210 15/16" KEYWAY	8	9.64	77.15	21 C
19170	1210 7/8" KEY	BUSHING TAPER LOCK 1210 7/8	1	15.00	15.00	21 C
19171	1210 3/4" KW	BUSHING TAPER LOCK 1210 3/4 03347	7	12.58	88.05	21 C
19213	14 THHN WIRE BLUE	14 AWG WIRE BLUE	357	0.11	39.27	EAST WALL
19214	14 THHN WIRE GRAY	14 AWG WIRE GRAY	435	0.11	47.85	EAST WALL
19215	213-140401300	REDUCER TIGEAR 9.4:1 C200	1	962.07	962.07	14 D
19216	140C200T010S1A	REDUCER TIGEAR 10:1 C200	2	1,155.87	2,311.74	14 D
19217	140C200T015S1A	REDUCER TIGEAR 15:1 C200	2	1,068.97	2,137.94	14 D
19218	140C200T018S1A	REDUCER TIGEAR 18:1 C200	1	895.74	895.74	14 D
19219	140C200T020S1A	REDUCER TIGEAR 20:1 C200	1	806.17	806.17	14 D
19220	140C200T025S1A	REDUCER TIGEAR 25:1 C200	1	1,827.23	1,827.23	14 D
19223	140C262T015S1A	REDUCER TIGEAR 15:1 C262	2	968.55	1,937.10	13 D
19225	140C262T020S1A	REDUCER TIGEAR 20:1 C262	2	1,500.00	3,000.00	13 D
19238	146GB 10K 2.5"	146GB 10K 2.5" SAS HARD DRIVE 432320-001	3	200.00	600.00	CONTROLL ROOM
19242	14795-10 B-9954	BRACKET	3	50.00	150.00	SHELF 53
19253	14MX-28S-20-2012	CHAIN POLY SPROCKET GT2 FOR SHORT MERGES	1	87.67	87.67	4 E
19255	14MX-30S-20-2012	POLY CHAIN SPROCKET FOR SHORT MERGES	1	94.99	94.99	4 E
19256	1494R-N30 SIEMENS	30 AMP ROD OPER SW OPN SIEMENS	1	255.52	255.52	44 F
19294	174238	SEW B1SF55X94X8/11.5 PPM OUTPUT SEAL MOD 3 MU8	2	67.78	135.56	25 C
19295	177784	SEW BASF55X100X10/7 NBR OUTPUT SEAL MOD 3 MU	4	12.19	48.75	25 C
19296	1790L811A	VFD WIRE LANDING BOARD	5	100.00	500.00	2 D
19298	180-24A1N008E1	PLC UTICOR MESSAGE DISPLAY MODULE SERIES	3	1,258.00	3,774.00	26 A
19298	180-24A1N008E1	PLC UTICOR MESSAGE DISPLAY MODULE SERIES	1	1,258.00	1,258.00	46 D
19299	180C262T010S1A	REDUCER TIGEAR 10:1 C262	5	1,202.56	6,012.80	13 D
19300	180C262T015SA1	REDUCER TIGEAR 15:1 C262	2	1,284.85	2,569.70	13 D
19301	180C262T018S1A	REDUCER TIGEAR 18:1 C262	1	1,202.56	1,202.56	13 D
19309	180C350T018S1A	REDUCER TIGEAR 18:1 C350	1	3,295.85	3,295.85	17 D
19309	180C350T018S1A	REDUCER TIGEAR 18:1 C350	1	3,295.85	3,295.85	13 D
19314	166-0101(6908DU)	BEARING WARNER C/B INNER	4	52.82	211.29	13 G
19315	166-0143(6205DU)	BEARING WARNER C/B OUTPUT SHAFT	1	26.74	26.74	13 G
19316	1610 7/8" KEY	BUSHING TAPER LOCK 1610 7/8 KEY	2	20.00	40.00	21 C

Item No.	User-defined Field 1	Description	OnHand	AvgCost	Extended	Location
19351	2517 1-7/16" KW	BUSHING TAPER LOCK 2517 1-7/16 KEYWAY	2	10.00	20.00	21 C
19354	2-11	BEARING INSERT 1" ID SEALMASTER	6	35.14	210.84	15 A
19362	2-13	BEARING INSERT ID 1-3/16 SEALMASTER	2	48.39	96.78	15 B
19365	27E166	14-PIN CONTROL RELAY BASE	11	8.00	88.00	44 A
19388	30 X 6-3/4 ROLLER	PULLEY DRIVE 30IN DIA X 6-3/4IN W	2	125.00	250.00	ROLLER RACK
19389	30-1/4 X 3 ROLLER	PULLEY PINCH 30-1/4IN DIA X 3IN W	1	130.00	130.00	ROLLER RACK
19394	30MHIC1420 D/F	REDUCER 20:1 ELECTRA GEAR	2	475.00	950.00	15 D
19395	30MHIC1420 D/R	REDUCER 20:1 ELECTRA GEAR	1	684.41	684.41	17 C
19396	30MHIC1815 D/F	REDUCER 15:1 ELECTRA GEAR	3	702.50	2,107.50	17 C
19397	30MHIC1815 D/R	REDUCER 15:1 ELECTRA GEAR	2	763.00	1,526.00	17 C
19399	30MHKC1420 D/F	REDUCER ELECTRA 20:1	2	716.46	1,432.92	17 C
19402	30HIC1415 D/RX	REDUCER 15:1 ELECTRA GEAR	1	500.00	500.00	17 C
19403	30HKC1430 D/RX	REDUCER 30:1 ELECTRA GEAR	1	800.00	800.00	17 C
19407	34-1/2 X 3-1/2	ROLLER	1	100.00	100.00	ROLLER RACK
19408	34-1/4 X 3-5/8 ROLLE	PULLEY RETURN 3-5/8" X 34-1/4"W	2	150.00	300.00	ROLLER RACK
19410	350HKC1430 D/RX	REDUCER ELECTRA 30:1	3	763.00	2,289.00	17 C
19411	EL-HM832-15-H-180-27	REDUCER GEAR 15:1	1	1,228.19	1,228.19	16 C
19417	36" ROUGH TOP BELT	BELTING 36W ROUGH TOP RT-2L	276.9	12.66	3,506.21	STORE'S FRONT
19418	36" SMOOTHTOP LOAD B	BELTING 36W 2-PLY 220# BARE X BARE SMOOTH TOP	68.1	13.07	889.93	STORES FRONT
19420	36-1/4 X 4 ROLLER	PULLEY 4" X 36"W	1	225.00	225.00	ROLLER RACK
19422	36-7/8 X 4	PULLEY DRIVE 4IN DIA X 36.875IN W	2	75.00	150.00	ROLLER RACK
19425	339-99003	MERGE BELT NOVO LACED	1	600.00	600.00	14 C
19426	339-99003-107N/L	MERGE BELT NOVO NOT LACED	2	714.15	1,428.31	14 C
19428	36 1/2 X 2 1/2	RETURN ROLLER 36 1/2" X 2 1/2"	1	180.00	180.00	ROLLER RACK
19455	3RG7241-3CH00	SENSOR PHOTOEYE 10-30VDC BLUE CUBE	4	144.00	576.00	1 B
19458	3RA1324-8XB30-1AK6	CONTACTOR REVERSING WITH 24VDC COIL12 AMP	3	72.60	217.80	1 B
19463	40" ROUGH TOP ODD SI	2-PLY 150# ROUGH TOP BELT BLACK	50	8.92	446.00	SPIROL ROOM
19467	400HKC1830 D/RX	REDUCER 30:1 ELECTRA GEAR	1	2,385.84	2,385.84	16 C
19469	400JBKV1820 J/F	REDUCER 20:1 ELECTRA GEAR	1	475.00	475.00	15 D
19470	400MHKC1430 D/RX	REDUCER 30:1 ELECTRA GEAR	1	0.00	0.00	16 C
19473	41162701FT (536355)	SEAL DODGE REDUCER C200T CR536355 OUTPUT	11	16.24	178.66	25 C
19475	42SRL-6006-QD	PHOTOEYE 20-264VAC/DC TRANS-BEAM	6	83.58	501.48	45 D
19477	42-SRP-6004-SER B	PROXIMITY SWITCH (OLD TYPE)	4	162.42	649.68	45 D
19478	42SRR-6006-QD	SENSOR PROX TRANSBEAM RECEIVER 20-264VAC/DC 4-PIN	6	93.00	558.00	45 D
19479	42-SRU-6202-QD	SENSOR PROX SWITCH	3	153.60	460.81	45 E
19480	42-SRU-6205-QD	SENSOR PROX SWITCH	13	45.00	585.00	45 E
19481	40 B32 1/2"	SPROCKET 40 B 32 TEETH 1/2"	2	15.00	30.00	20 B
19484	42LRC-5220 B	PHOTOSWITCH AB RED	8	235.00	1,880.00	45 D
19506	5-16-5150-00-01B	5/8" BORE HUB AND SET SCREW ASSY. S	4	30.29	121.16	13 G
19507	5-16-5153-00-01B	5/8" BORE HUB AND SET SCREW ASSY. S	1	40.37	40.37	13 G
19509	5-16-7201-00-01D	BRAKE STEARNS 87 SERIES NEW SPLINE	2	44.17	88.34	13 G
19513	500HKC1820 D/RX	REDUCER 20:1 ELECTRA GEAR	1	3,199.00	3,199.00	15 D
19514	500HKC1825 D/RX	REDUCER 25:1 ELECTRA GEAR	1	3,105.00	3,105.00	15 D
19515	500HKC1840 D/RX	REDUCER 40:1ELECTRA GEAR	1	2,500.33	2,500.33	15 D
19516	500MHNC1830 D/R	REDUCER 30:1 ELECTRA GEAR	1	1,000.00	1,000.00	15 D

Item No.	User-defined Field 1	Description	OnHand	AvgCost	Extended	Location
19526	507-42315-1-1/4	SPACER MU STREAMER 1-1/4"	6	20.00	120.00	24 C
19574	60 20 TLF 2012	SPROCKET 60 TLF 20 TEETH 2012	13	38.91	505.77	20 B
19575	60 B 20 1-3/8	SPROCKET 60 B 20 TEETH 1-3/8"	2	25.00	50.00	20 B
19576	600HNC1830 D/RX	REDUCER 30:1 ELECTRA GEAR	2	763.00	1,526.00	16 D
19577	600HNC1840 D/RX	REDUCER 40:1 ELECTRA GEAR	1	679.00	679.00	16 D
19592	6AV6574-1AD00-4CXO	PROTECTIVE MEMBRANE FOR SIEMENS TOUCH LCD SCREENS	10	0.00	0.00	2 B
19593	6AV65742AC002AAO	PC CARD (DATA FLASH) 48MB SIEMENS	1	0.00	0.00	LEAD'S CABINET
19594	6ES7 153-1AA03-0XB0	SLAVE INTERFACE MODULE	2	532.00	1,064.00	2 C
19595	6ES7 321-1BH02-0AA0	DIGITAL INPUT MODULE	1	1,339.98	1,339.98	2 C
19597	6ES7 322-1BH01-0AA0	DIGITAL OUTPUT MODULE	1	363.58	363.58	2 C
19599	6ES7 322-5FF00-0AB0	DIGITAL OUTPUT MODULE	1	480.00	480.00	2 C
19600	6ES7 392-1AJ00-0AA0	20-PIN FRONT CONNECTOR	1	33.22	33.22	2 C
19601	6ES7 392-1AM00-0AA0	40-PIN FRONT CONNECTOR	1	26.24	26.24	2 C
19604	6ES7 421-1BL01-0AA0	MODULE DIGITAL INPUT 32 PT 24 VDC	1	316.78	316.78	2 C
19606	6ES7 964-2AA04-0AB0	MODULE IF FOR 416 CPU'S	1	1,459.64	1,459.64	2 C
19607	6ES7 972-0AA01-0XA0	MODULE REPEATER RS-485 FOR PROFIBUS	1	15.00	15.00	2 C
19608	6ES7 972-0BA41-0XA0	RS 485 BUS CONN. WITHOUT PG INTERFACE	1	1.98	1.98	2 C
19609	6ES7 972-0BB41-0XA0	RS 485 BUS CONN. W ANGLULAR CABLE	1	64.42	64.42	2 C
19610	6ES7 972-0DA00-0AA0	PROFIBUS TERMINATING RESISTOR	1	15.00	15.00	2 C
19611	6GK7 443-1EX11-0XE0	MODULE CP 443-1 ETHERNET BRIDGE FOR S7-400	1	2,891.38	2,891.38	2 D
19615	6EP 1333-2AA00	POWER SUPPLY SITOP 5 AMP @ 24VDC 120V/230VAC	1	174.94	174.94	2 B
19616	6EP 1436-2BA00	POWER SUPPLY 3 PHASE 400/440/480 V	1	314.90	314.90	2 C
19617	6EP 1931-2DC21	SITOP DC-UPS MODULE	4	246.53	986.13	2 C
19619	6EP-1332-1SH41	LOGO, POWER SUPPLY 24V DC/2.5A POWER SUPPLY	1	122.46	122.46	2 B
19621	6SE6420-2UD23-0BA1	VFD MICROMASTER 420 AL00021369	1	1,264.96	1,264.96	2 D
19670	AL00021364	MIROMASTER RS-232 PC TO DRIVE CONNECTION KIT	1	83.28	83.28	-
19679	AL620.000624-003	MERGE BELT W/O LACING SIEMENS (NEW)	2	721.07	1,442.14	14 B
19682	AL6SE6400-0AP00-0AA1	ADVANCED OPERATING PANEL (AOP) FOR THE VFD'S	1	334.80	334.80	LEADS CABINET
19708	B4938N96180FL/100	BELT TRANSNORM 180 DEG FLAT (500177)	1	3,495.00	3,495.00	13 C
19713	B4938S5890HC/31.125/	BELT TRANSNORM 90 DEG 31.125"HELIX (409111)	1	2,095.00	2,095.00	13 B
19718	B4938S69180HV/60/100	BELT TRANSNORM 180 DEG 60" HELIX	1	3,400.00	3,400.00	13 C
19723	B4938S6945HV/12.25/1	BELT TRANSNORM 45 DEG 12.25 HELIX (901125)	1	1,269.00	1,269.00	13 A
19728	B4938S6990FV/36/100	BELT TRANSNORM 90 DEG 36" HELIX	1	3,035.50	3,035.50	13 B
19732	B4938S9630FL/100	BELT TRANSNORM 30 DEG FLAT 500156	1	992.00	992.00	13 A
19738	B4938S6990HL/24/100	BELT TRANSNORM 90 DEG 24"HELIX (602227)	1	2,304.50	2,304.50	13 B
19749	B4938S9645FL/100	BELT TRANSNORM 45 DEG FLAT (802453)	1	1,723.70	1,723.70	13 A
19765	B4938S9650FL/100	BELT TRANSNORM 50 DEG FLAT	2	1,550.00	3,100.00	13 A
19838	B6844S58180HC/78/100	BELT TRANSNORM 180 DEG 78 HELIX (68 x 44)	1	4,320.00	4,320.00	13 C
19840	B6844S9690FL/100	BELT TRANSNORM 90 DEG FLAT (68 x 44)	1	0.00	0.00	13 C
19842	B7438S5890HL/47/100	BELT TRANSNORM CLAIMS 2,5,8 AND 18 (901214)74X38	1	2,575.00	2,575.00	13 C
19875	BRACKET 5 1/4 X 2	BRACKET 5 1/4 X 2	61	5.00	305.00	SHELF 53
19876	BRACKET 5-1/2 X 2	BRACKET 5-1/2 X 2	21	5.00	105.00	18 B
19878	BRACKET 7-3/4 X 3	BRACKET 7-3/4 X 3	9	5.00	45.00	SHELF 53
19885	C4838	REPAIR BELT	1	275.00	275.00	STEARNS
19899	CNHM02-4085YA-B-433	MOTOR AND REDUCER SM-CYCLO SUMITOMA	1	552.01	552.01	12 C

Item No.	User-defined Field 1	Description	OnHand	AvgCost	Extended	Location
19939	GT3A-3AD24	MULTI MODE ELECTRONIC TIMER	1	72.71	72.71	3 C
19940	GT3A-3AF20	IDEC MULTI-MODE POWER	1	0.00	0.00	3 C
19945	GV1-AO1	AUXILARY CONTACT	17	21.95	373.15	44 B
19946	GV1-G04	TERMINAL BLOCK	18	2.81	50.58	44 B
19947	GV1-G07	BUSBAR	11	15.29	168.23	44 B
19948	GV1-G08	MINI BUSBAR	11	13.46	148.06	44 B
19949	GV1-M06	OVERLOAD	2	18.75	37.50	44 B
19950	GV1-M07	OVERLOAD	16	38.50	616.00	44 C 1
19951	GV1-M08	OVERLOAD	9	42.00	378.00	44 C
19952	GV1-M10	OVERLOAD	12	18.20	218.40	44 C
19953	GV1-M14	OVERLOAD	20	4.67	93.33	44 C
19954	GV1-M20	OVERLOAD	10	18.20	182.00	44 C
19960	GV2AN11	AUX CONT (1NO/NC) SIDE MOUNT 690V 6A	18	25.85	465.30	44 D 2
19966	GV2M04	CIRCUIT BREAKER 3PH 460V	6	39.44	236.64	44 C
19988	GYA111RRB	BEARING INSERT FOR SCJT BEARING 1-11/16	2	30.94	61.88	15 C
19996	H25030-3C	FUSEHOLDER 250V 30A (SIEMENS)	1	25.00	25.00	3 C
20003	H60030-2C	FUSE HOLDER	2	0.00	0.00	3 C
20003	H60030-2C	FUSE HOLDER	1	0.00	0.00	45 C 3
20004	H60030-2S	FUSE HOLDER 660V/30A	1	25.00	25.00	3 C
20005	H60030-3C	FUSE HOLDER 600V 30AMP	1	35.00	35.00	3 C
20009	H7EC-NFV-B	COUNTER 120VAC	1	67.60	67.60	3 C
20018	HB 207S	BEARING TAKE-UP HOUSING TRANSNORM 1-7/16	3	105.00	315.00	15 C
20056	HC 3145	REDUCER CLAIM UNITS	2	1,814.10	3,628.20	16 D
20057	HC15	POWER ONE POWER SUPPLY 15VDC 3A	1	65.00	65.00	26 B
20058	HC24	POWER SUPPLY 24VDCF @ 2.4A	2	72.50	145.00	26 B
20063	HEX SHAFT	SHAFT HEX BAE P/N 195-0201-033	1	8.00	8.00	ROLLER RACK
20064	HJ-283720	BEARING ODDSIZE WHEEL ASSEMBLY	3	20.91	62.73	15 C
20067	HM89443	BEARING ELECTRA GEAR REDUCER	4	23.83	95.30	15 C
20073	HNF361	HEAVY DUTY DICONNECT NON-FUSIBLE(SIEMENS)	1	81.32	81.32	3 C
20078	HP DL380 G4	COMPUTER HP SERVER CONTROLL ROOM	4	1,050.00	4,200.00	CONTROL ROOM
20092	HV4OA076Z8B	REDUCER 30:1 CONE DRIVE	1	3,224.43	3,224.43	16 D
20093	IAC15	PLC 90-140VAC 15V DC LOGIC	1	0.00	0.00	EAST WALL
20094	IAC5Q	MODULE QUAD INPUT 120 VAC GORDOS	11	200.00	2,200.00	SHELF 64A
20096	IDA LIGHT SPRING	SPRING 1-3/4" LG 0.026" DIA FOR IDA	4	2.00	8.00	9 B
20097	IDC5BQ-256	MODULE QUAD INPUT(FAST) 4-16VDC GORDOS	9	200.00	1,800.00	26 A
20104	INSERT 229-2205	BEARING INSERT FOR 3-BOLT FLANGE	4	59.54	238.16	15 B
20107	INT-F2APH	INTERMEC PRINT HEAD BAR CODE PRINTER	2	304.46	608.92	LEAD CABINET
20116	J1-2000-146	BRACKET PHOTOEYE A-B	2	20.13	40.26	3 D
20117	J1-2000-160	BRACKET REFLECTOR FOR A-B 92-90 SIEMENS	22	36.88	811.36	3 D
20122	J1-2000-199	BRACKET 2 BOLT PROTECTOR GRUAD	13	55.00	715.00	3 C
20124	J1-20000-207	BRACKET PHOTOEYE FOR SIEMENS 3RG TYPE	8	20.13	161.04	3 D
20129	J60030-3CR	FUSEHOLDER 600V 30 A (SIEMENS)	1	0.00	0.00	3 D
20131	J60100-3CR	FUSEHOLDER 600V 100A (BUSS) 4XF49	1	75.48	75.48	3 D
20235	JJS 20 AMP	FUSE 20A 600V	49	0.75	36.75	BOWMAN 1
20236	JJS 6 AMP	FUSE 6A 600V FAST ACTING	16	0.75	12.00	BOWMAN 1

Item No.	User-defined Field 1	Description	OnHand	AvgCost	Extended	Location
20255	K55ZZJ4P	EMERSON MOTOR USED FOR SKI CLAIM DOOR	1	78.40	78.40	12 C
20258	K66DT90L-4BMG/HR/TF	SEW-EURODRIVE MOTOR	2	138.50	277.00	12 D 3
20260	K7418346	LIMIT ARM ASS CJ TO2 DOORS	2	145.50	291.00	20 B
20261	K750	TRANSFORMER INDUSTRIAL	1	142.75	142.75	26 B
20269	KBC 300	FUSE 600V	10	12.00	120.00	BOWMAN 1
20284	KHPFT205-16	BEARING 3 BOLT 1" SECURITY DOORS	4	14.47	57.86	20 B
20285	KHS	WIRE	680	0.03	19.97	EAST WALL
20286	KHU17A16-120	PLC POTTER BRUMFIELD RELAY	13	32.50	422.50	44 A
20311	KLK 15 AMP	FUSE 15A 600V FAST BLO	5	0.47	2.35	BOWMAN 1
20317	KP12V20	RELAY PLC SQUARE-D CONTACT SKI CLAIM DOORS 120 V	3	24.25	72.75	44 A
20318	KP23B-FS464	BEARING TORRINGTON KP23BFS464 HSD 223-9823	8	76.03	608.27	22 B
20319	KP47B	BEARING	6	111.40	668.38	22 C
20320	KP47BFS464	BEARING BALL ID 1-7/16 X OD 2-3/16 X 3/8 HSD	6	111.40	668.40	22 B
20321	KPRL 4FD	24" PANEL COVER	2	650.00	1,300.00	26 A
20336	KUP14A15-120	PLC POTTER BRUMFIELD RELAY	3	9.14	27.42	45 C
20337	L-075 .875	COUPLING HUB JAW 7/8IN LOVEJOY 0.875"	36	11.14	400.96	16 B
20339	L-099 1.125	LOVEJOY HUB 1.125	11	12.45	136.95	16 B
20345	L075 WITH 7/8" HOLE	WOODS COUPLING SPIDER BUNA-N W/ 7/8" HOLE	21	4.62	97.02	16 B
20346	L075WO/H	LOVEJOY SPIDER W/O HOLE	28	3.29	92.09	16 B
20347	L-090.875	7/8" HUB LOVEJOY	24	4.55	109.20	16 B
20348	L090/095	SPIDER 7/8" LOVEJOY	9	4.72	42.52	16 B
20349	L095 1.125	LOVEJOY HUB L095 1.125	5	8.99	44.95	16 B
20351	L099 SPLINED HUB	5524312 SPLINED COUPLING HUB 1"	7	48.02	336.14	16 B
20352	L099/100NH	100NH SPIDER W/29/32 HOLE	13	10.00	129.99	16 B
20353	L099100N	MARTIN RUBBER SPIDER INSERT	43	10.96	471.42	16 B
20354	L100-1.250	LOVEJOY HUB 1.250	2	16.50	33.00	16 B
20374	LA1DN20	CONTACT BLOCK	11	2.53	27.83	44 C 7
20375	LA1DN22	CONTACT BLOCK	14	2.60	36.40	44 D
20388	LC1-D1210G6	CONTACTOR 12A 3-7.5HP 110-120VAC 1NO AUX	1	81.42	81.42	3 D
20390	LC10901G6	CONTACTOR	9	65.00	585.00	44 D
20397	LC1D1810G6	CONTACTOR 18A 3POLE 120VAC W/1NO AUXILIARY	9	13.75	123.75	44 D 6
20401	LC1DO910G6	CONTACTOR 9A 120VAC 3-POLE IEC	16	38.00	608.00	44 D
20404	LC2D0901	CONTACTOR	6	0.00	0.00	44 D
20415	LE7-40-1753	SWITCH SPRECHER DISCONNECT NON FUSED 40A	1	0.00	0.00	3 D
20416	LEFT HAND SPRING	DOORS,ROLL UP DOOR SPRING - LEFT HAND	4	18.00	72.00	SHELF 68
20425	LIMIT CHAIN	LIMITSWITCH CHAIN FOR TO1&TO2 DOORS	1	6.08	6.08	20 B
20426	LIMIT WHEEL	SWITCH LIMIT SWITCH ACTUATOR WHEEL ROLL-UP DOORS	26	10.00	260.00	20 B
20448	E8/2U0/V15 LG-FR	37" WIDE BELT LG INCLINE-DECLINE (A578812)	226.1	11.20	2,531.87	STORES FRONT
20453	350HKC1820 D/R	REDUCER ELECTRA GEAR 20:1 1-7/16" BORE	1	1,165.18	1,165.18	16 C
20454	EL-HM832-20-H-140-27	ELECTRA GEAR EL-HM832-20-H-140-27 1-11/16" BORE	1	1,211.33	1,211.33	16 C
20455	E12 O/V10 LG-FR GRN	BELTING 37IN W AMP MIZER INCLINE/DECLINE	188	15.12	2,842.56	STORES FRONT
20458	F25T12/CW/RS/EW/ALTO	FLUORESCENT 25 WATT 4' BULB	54	2.89	156.06	12 A
20459	F40CW/RS/EW/ALTO	PHILLIPS FLUORESCENT BULB 4 FT	3	10.00	30.00	11 A
20463	FA80DV132M4BMHRTH	SEW-EURO DRIVE MOTOR AND BRAKE ASSY.	1	997.36	997.36	EAST WALL
20469	350HKC1820 D/R	REDUCER EL-HM832-20-H-180-27 1-11/16"BORE	1	1,211.33	1,211.33	16 C

Item No.	User-defined Field 1	Description	OnHand	AvgCost	Extended	Location
20471	FLEXAM 10/2 0 FR	BELTING 38.5W QUEUE	200	12.82	2,563.00	STORES FRONT
20472	TRACKMATE 120 FBS	BELTING 30W TICKET COUNTER (6645)	167.7	8.58	1,438.87	STORES FRONT
20479	M28	GUARDIAN SLEEVE MOTOR COUPLER	1	86.14	86.14	16 B
20481	M7274S	VERSITRON Fiber Converter	1	284.90	284.90	1 E
20483	M85070	REDUCER DODGE APG SIZE 3 9.30:1	1	494.01	494.01	13 D
20485	M85072	REDUCER DODGE 17:1 M85072	1	822.92	822.92	13 D
20487	M85721	REDUCER 7.6:1 140DM2A	2	0.00	0.00	13 D
20488	M85722	REDUCER 9.3:1 SMALL FRAME	4	494.01	1,976.04	13 D
20497	MA11 1-1/2"	SWITCH SQUARE D LIMIT SWITCH ARM (5B059)	4	16.23	64.90	46 C
20498	MA11 2"	SWITCH SQUARE D LIMIT SWITCH ARM	45	1.25	56.25	46 C
20499	MAHG-S8MXX	MA-COM M7100 BASE STATION	1	879.00	879.00	CONTROL ROOM
20502	MAP130-1012	POWER ONE POWER SUPPLY	2	297.24	594.47	26 B
20503	MAP55-1012	POWER ONE POWER SUPPLY	1	165.00	165.00	26 B
20511	MCS610R	DISCONNEN SWITCH RIGHT 100 AMP 600 V	1	428.24	428.24	3 D
20512	MCS620R	BASIC DISCONNECT SWITCH SIEMENS	1	427.88	427.88	3 D
20516	MDL-10	FUSE 10A 250 VDC (1CM29)	17	1.62	27.54	EAST WALL
20521	MDL-7 (5C774)	FUSE 7A 250V	58	2.62	151.72	EAST WALL
20532	MGA-K-1	BANNOR KEY LIGHT CURTAIN TO-1	18	1.50	27.00	LEADS DESK
20540	MHI2000-1000	CONTROLLER MHI 2000 SICK	2	0.00	0.00	26 C
20542	MICS STATION	MICS TO CONTROL BHS	12	250.00	3,000.00	27 A
20547	80B19H	SPROCKET 1-11/16" SKI CLAIM DRIVE KEYED ALIKE	5	83.96	419.81	24 C
20549	MISC BEARING CAPS	MISC BEARING AND TAKE-UP COVERS	18	0.00	0.00	11 A
20550	MISC BRACKETS	CONVEYOR AND TORQUE ARM BRACKETS	17	0.00	0.00	25 D
20551	MISC FANS	FANS MISC MOTOR AND GEARBOX	11	0.00	0.00	11 A
20552	MISC J-BOX	MISC J-BOX PARTS	10	0.00	0.00	23 D
20553	MISC O/S	MISC ODDSIZE PARTS PFLOW	10	0.00	0.00	23 C
20554	MISC RAPISTAN	MISC RAPISTAN E-STOP PARTS	6	0.00	0.00	45 C
20558	MISCEL. BELLS	BELLS FOR ELECTRA GEAR REDUCERS	9	25.00	225.00	11 A
20563	ML LIMIT CHAIN	MASTER LINK FOR LIMIT CHAIN TO1&TO2	4	1.53	6.12	20 B
20577	MP-31	BEARING ID 1-15/16 SEALMASTER	4	115.90	463.60	15 A
20596	MTALH-0000-017	PADDLE PIVOT WELDMENT 66500 HSD	1	666.55	666.55	22 A
20597	MTALH-0000-039	ROLLER NOSE MICRO-V	4	178.50	713.99	22 A
20600	MU PARTS MOD 3	MISCELL MU PARTS FOR MOD 3 EAST	20	0.50	10.00	24 B
20708	NYS065-C	LACING PIN NO.1 NYLON CABLE W/O LEADER	697	0.49	342.92	9 D
20709	NYS093-C	LACING PIN NO.2 NYLON CABLE W/O LEADER	620	0.46	287.21	4 C
20740	P/NG815141	HOLDER UPPER GREY PLASTIC ASSY 020001	116	35.00	4,060.00	24 A
20741	P/NG815142	HOLDER LOWER GREY PLASTIC ASSY 020002	94	35.00	3,290.00	24 A
20869	P49387/100	PULLEY TAIL TS-1500/100 FLAT IR49" N38"	11	830.50	9,135.50	STORES FRONT
20998	G120024	MOTOR 1HP 1745RPM 460V 3PH 143TC HSD (LEESON)	1	254.46	254.46	12 B
21121	PHR3-200 TW BBXBB-FR	BELTING 37W HEAVY DUTY	157.7	17.51	2,761.33	STORES FRONT
21136	PIN BRACKET	RAM PIN BRACKET FOR SOUTHWORTH LIFT	1	195.00	195.00	23 B
21137	PIPE INSULATION	4-1/2 X 5-1/2" PIPE INSULATION FOR HEAD PROTECTION	6.5	2.25	14.63	12 A
21139	PIVOT HSD	HSD PIVOT FOR COIL HSD	10	99.00	990.00	22 C
21154	POLER	PULLEY 2.5" X 32"W	3	189.00	567.00	ROLLER RACK
21155	PORTEC BRNG {USED- I	BEARING INSIDE RADUIS PORTEC 1-7/16	17	1.00	17.00	15 C

Item No.	User-defined Field 1	Description	OnHand	AvgCost	Extended	Location
21156	PORTEC FINGER GUARD	PORTEC FINGER GUARD	14	6.99	97.86	21 A
21167	ps1230 12v-3.2 AH UP	12 V-3.2AH BATTERY UPS MCP	6	30.79	184.73	2 C
21168	PS21	PLC SQUARE-D POWER SUPPLY	2	0.00	0.00	27 A
21169	PS25	PLC SQUARE-D POWER SUPPLY 128 I/O CAPACITY	1	578.42	578.42	27 A
21170	PS35	PLC SQUARE-D POWER SUPPLY	3	1,394.00	4,182.00	27 A
21189	LOCKING COLLARS	LOCKING COLLARS USED	111	2.50	277.50	15 B
21205	LPJ-100SP	FUSE 100A 600V TIME DELAY DUAL ELEMENT	2	12.56	25.12	WEST WALL
21207	LPJ-110SP	FUSE 110A 600V TIME DELAY	1	50.97	50.97	EAST WALL
21211	LPJ-150SP	FUSE 150A 600V TIME DELAY DUAL ELEMENT	3	25.85	77.55	EAST WALL
21216	LPJ-20SP	FUSE 20A 600V TIME DELAY DUAL ELEMENT	12	0.00	0.00	BOWMAN 1
21220	LPJ-30SP	FUSE 30A 600V TIME DELAY DUAL ELEMENT	2	2.00	4.00	BOWMAN 1
21226	LPJ-70SP	FUSE 70A 600V	2	32.42	64.84	EAST WALL
21228	LPJ-80SP	FUSE 80A 600V TIME DELAY	1	23.11	23.11	EAST WALL
21229	LPJ-90SP	FUSE 90A 600V	3	0.00	0.00	EAST WALL
21236	LPS-RK-30SP	FUSE 30A TIME DELAY LPS-RK-30	10	8.82	88.20	BOWMAN 1
21238	LPS-RK-40SP	FUSE 40A TIME DELAY LPS-RK-40	6	5.00	30.00	BOWMAN 1
21239	LPS-RK-45SP	FUSE 45A TIME DELAY LPS-RK-45	8	4.75	38.00	BOWMAN 1
21250	LSB-120	LITESTAK BEACON LIGHT BASE	1	49.63	49.63	44 B
21251	LSB-120R	LITE STAK BEACON RED	1	196.00	196.00	SHELF 72A
21253	LSL-120A	LITE STAK BEACON AMBER	2	111.50	223.00	44 B
21254	LSL-120B	LITE STAK BEACON BLUE	1	111.50	111.50	44 B
21255	LSL-120G	LITE STAK BEACON GREEN	1	123.25	123.25	44 B
21256	LSL-120C	LITE STAK BEACON CLEAR	1	111.50	111.50	44 B
21263	LY3F	CONTROL RELAY ORMON	6	35.00	210.00	44 A
21265	SAMI-91	INDICATING FUSE PANEL	3	3.35	10.05	3 E
21266	SANTOTRAC OIL	IDA SYN OIL SANTOTRAC 50 TRACTION LUBICANT	9.8	120.00	1,176.00	9 B
21273	27-05(200)	IGUS CHAIN ODD SIZE LIFTS	25	19.78	494.45	31 D
21281	SC250D	AUDIBLE ALARM	2	65.00	130.00	3 E
21283	SC250ER	HORN CONTINOUS MEDIUM TONE SONALERT BUZZER 30.5	3	50.99	152.97	3 E
21289	SCJT	BEARING 1-11/16"	3	40.00	120.00	15 C
21291	SCP654	PLC SQUARE-D PROCESSOR 650 26K MEMORY	4	2,500.00	10,000.00	16 A
21292	SCP6555R	PROCESSOR	1	250.00	250.00	27 A
21295	SD02V02	MOTOR CONNECTOR	1	25.00	25.00	46 F
21303	SDS 1-7/16"	BUSHING QD SDS 1-7/16"	5	12.98	64.88	21 C
21306	SE18	LOVEJOY MERGE PINCH ROLLER TENSIONER	4	50.96	203.84	3 E
21326	SF 1-11/16"	BUSHING QD SF 1-11/16"	16	13.00	208.00	21 C
21328	SF 1-7/16"	BUSHING QD SF 1-7/16"	51	8.63	440.13	21 C
21330	SF-23	BEARING 4-BOLT FLANGE ID 1-7/16	3	72.85	218.56	15 B
21335	SFT-23	BEARING 2-BOLT STD ID 1-7/16 (SEALMASTER)	2	60.80	121.60	15 B
21337	SFT-27	BEARING 2-BOLT STD ID 1-11/16	13	59.10	768.30	15 A
21339	SFT-31	BEARING 2-BOLT FLANGE ID 1-15/16	10	60.00	600.00	15 A
21345	SH X 7/8	BUSHING QD SH 7/8" (DODGE 120351)	4	12.30	49.19	21 C
21348	SHAFT 1-15/16 KEYED	SHAFT 1-15/16 KEYED 1/2"	13.5	20.99	283.33	FAB AREA
21350	SHAFT COVERS	DODGE TIGEAR SHAFT COVERS MISC	10	0.00	0.00	11 A
21351	SHC-634	LUBE MOBILE SYNTHETIC	200	4.90	979.20	OIL STORAGE

Item No.	User-defined Field 1	Description	OnHand	AvgCost	Extended	Location
21360	SIER-BATH 1-1/8	LOVEJOY NYFLXX 1-1/8	1	55.00	55.00	16 B
21396	SOOW	CABLE 14AWG/12C	228	3.15	717.29	EAST WALL
21400	SP18	ROLLER METAL PORTEC 15"	6	20.24	121.44	21 A
21402	SP25	ROLLER RETURN W/RUBBER WHEEL PORTEC	12	17.50	210.00	16 A
21415	SPL130-1012	POWER-ONE DC POWER SUPPLY	1	119.00	119.00	26 B
21423	SR2P-06	SOCKET 8PIN OCTAL BASE FOR ICE CUBE RELAY	1	8.29	8.29	3 E
21449	SY/MAX 400	SY/MAX PROCESSOR	1	900.00	900.00	27 A
21450	SY/MAX 650	SY/MAX PROCESSOR	1	900.00	900.00	27 A
21457	T-2-53012-S	TRANSFORMER ACME	1	183.00	183.00	26 B 1
21487	TB22H150 1610	HSD DYNA SYNC PULLEY(SEE NOTES)	1	25.00	25.00	22 A
21495	TCF10	FUSE 10A CUBE VFD	13	27.72	360.36	EAST WALL
21496	TCF15	FUSE 15A CUBE TYPE CLASS J 600V	6	20.38	122.28	EAST WALL
21497	TCFH30	FUSE HOLDER	6	7.98	47.88	EAST WALL
21498	TERMINAL STRIPS	BUCHANAN PANEL TERMINAL STRIPS	6	14.25	85.50	SHELF 57
21676	AGC-5	FUSE 5A 250VAC FAST-ACTING GLASS 3AG	51	0.94	47.94	EAST WALL
21678	AGC-10	FUSE 10A 250VAC FAST ACTING GLASS GOLF-CART	16	0.58	9.28	EAST WALL
21813	TL20H150-1210	PULLEY DYNA SYNC (SEE NOTES)	6	41.26	247.57	22 A
21814	TL22H150-1610	PULLEY DYNA SYNC (SEE NOTES)	1	48.26	48.26	22 B
21816	TL24H150-1210	DYNA-SYNC PULLEY	2	58.00	116.01	22 B
21818	TL28H150-2012	PULLEY DYNA SYNC SAME AS TB28H150 (SEE NOTES)	2	60.48	120.96	22 C
21964	TOOL-441	FLUKE CLAMP METER 337	1	110.00	110.00	RED TOOL BOX
21966	TORQUE ARM	TORQUE ARM PARTS(TURN BUCKLE)	36	0.00	0.00	18 A
21967	TORQUE ARM BRACKET	TURNBUCKLE MOUNTING BRACKETS	5	0.00	0.00	18 A
21972	TORQUE WRENCH 250 FT	TORQUE WRENCH FT25-250 FT LBS SEARS 944593	1	110.00	110.00	RED TOOL BOX
21984	21MHIC147.5 D/F	REDUCER ELECTRA GEAR 7.5:1	1	707.39	707.39	17 A
21997	TWR75	3/4" EMT COUPLING	6	3.90	23.40	-
22020	PVK 125 FS X FS-FR 3	BELTING 37W	227.4	8.98	2,042.05	STORES FRONT
22046	R-LEAF SPRING (GO-CA	REAR LEAF SPRING GOLF CART	1	46.20	46.20	19 B
22048	R220	NOLU ROLLERIRM TEST FOR HSD	6	45.00	270.00	10 D
22057	R6ZZ	BEARING (NMBRI-1438HH) FOR SHAFT ENCODER	1	11.48	11.48	25 B
22066	RC 50 20T	SPROCKET 50 BS 20 TEETH 2-5/8"	4	20.00	80.00	20 B
22081	RCSM-10S	PEER RETURN WHEEL FOR PORTEC TURNS OR RCSM-12	24	11.46	275.04	23 B
22084	RETURN ROLLER BRACKE	MOUNTING BRACKET FOR RETURN ROLLER	47	0.00	0.00	18 B
22087	RG6/U	COMMNET CABLE TO LIFTS	221	0.34	75.14	EAST WALL
22094	RH2B-UL	PLC IDEC CONTROL RELAYREPLACES LY2F	11	9.00	98.97	44 A
22095	RH3B-UT	PLC IDEC CONTROL RELAY RH3B-T	1	13.09	13.09	44 A
22100	RIM101	PLC SQUARE-D INPUT MODULE	14	283.11	3,963.54	27 A
22103	RL-00412	MOTOR REACTOR FOR VFD'S	4	290.00	1,160.00	3 D
22147	RNYMS2-1520YB-B-15	SUMITOMO REDUCER 1-11/16 SHAFT	1	1,537.29	1,537.29	6 D
22156	ROM221	PLC SQUARE-D OUTPUT MODULE 120 VAC	8	585.00	4,680.00	27 A
22157	ROM271	PLC SQUARE-D OUTPUT RELAY MODULE	7	727.00	5,089.00	27 A
22161	RR2P-UAC120V	RELAY PLC TO REPLACE KP12V20 SQUARE D	7	13.94	97.58	44 A
22162	RR2P-UAC24V	PLC RELAY TO REPLACE SQUARED 8501 KP12V14 24V RELA	8	13.94	111.52	44 A
22164	RS 40	CHAIN #40	15	20.00	300.00	20 C
22168	RS-100	CHAIN #100	40	10.21	408.40	20 C

Item No.	User-defined Field 1	Description	OnHand	AvgCost	Extended	Location
22169	RS-2	PULLCORD OPERATOR(SIEMENS)	1	0.00	0.00	3 D
22170	RS-25	CHAIN #25 (CLAIM DOORS)	6	1.95	11.70	20 C
22171	RS-35	CHAIN #35	14	4.09	57.26	20 C
22173	RS-50 RIV	CHAIN #50	5	4.63	23.15	20 C
22174	RS-60 RIV	CHAIN ROLLER #60	29	11.00	319.00	20 C
22184	RSB-3AJ/24P	ENCODER 3 PULSE	4	50.00	200.00	3 E
22185	RSB-4AJ/24P	ENCODER 4 PULSE PER REVOLUTION	1	105.50	105.50	3 E
22189	RSB-5AJ/24P	SENSOR ENCODER CUBE W/1 OUTPUT 3/8 SHAFT	3	148.69	446.07	3 E
22191	RSB-P480AJ/8-30	ENCODER	10	122.16	1,221.60	3 E
22203	RSSAN-50A	PLC RELAY SOLID STATE PANEL MNT 50A-IDE	1	0.00	0.00	3 E
22209	RZ484OHAPO	3P CHASSIS MOUNT 40A 480V 20-265V	2	0.00	0.00	46 D
22210	S I 30	LIGHT FIXTURE 30"	1	35.00	35.00	12 A
22212	S-3292-M23	BEARING TAKE-UP NARROW SLOT 1-7/16"	2	186.67	373.34	15 B
22221	S10PP2	BEARING TORRINGTON BALL S10PP2 HSD	10	34.63	346.28	22 B
22222	S20K150	VARISTOR 150 VAC (RMS) EPCOS #S20K150	29	94.00	2,726.00	3 E
22232	S505-3.15A	FUSE 3.15A 250VAC TIME DELAY CERAMIC MINI	10	3.91	39.05	WEST WALL
22247	U501-EG	UNI-STRUT I BEAM HANGER	64	1.76	112.64	-
22249	UA-34	3/4" SEALTIGHT	20	0.84	16.80	-
22257	UC207-23	BEARING INSERT FOR 3-BOLT FLANGE ID 1-7/16 PORTEC	3	12.90	38.70	15 C
22258	UC212-38	BEARING INSERT AMI ODDSIZE 2 3/8"	1	55.25	55.25	15 A
22261	UCFC 207-23	BEARING 4-BOLT FLANGE	2	19.20	38.39	15 A
22264	UCM36	LACING CLIPPER STAINLESS 36IN	13	0.40	5.20	4 C
22265	UCM36SS12	LACING CLIPPER STAINLESS 12IN	6	0.00	0.00	4 C
22266	UCP212-38	BEARING AMI ODD SIZE DRIVE W/HOUSING 2-3/8"	3	66.60	199.81	15 A
22266	UCP212-38	BEARING AMI ODD SIZE DRIVE W/HOUSING 2-3/8"	11	66.60	732.63	19 C
22275	UM180-1020 AP	CLUTCH BRAKE UM180-1020 AP (NEW)	3	602.79	1,808.37	16 C
22277	UM210-1020	CLUTCH BRAKE 5 HP 90 V (UM210)	1	1,189.02	1,189.02	13 J
22282	Uni- Strut hangers	Hanger for hanging Uni -Strut (trolley)	33	5.83	192.39	-
22283	UPS	POWER SUPPLY BACKUP APC UPS	1	1,095.00	1,095.00	-
22294	USED 38" X 6 1/2"	PULLEY 6-1/2IN DIA X 38IN W	2	117.50	235.00	ROLLER RACK
22295	USED 38" X 6"	PULLEY 6" X 38"W	3	173.38	520.14	ROLLER RACK
22297	UST C2040	CHAIN EXTENDED PITCH HEAVY BAE DOORS	1	43.40	43.40	20 C
22301	V BAND ROLLER	PLASTIC V-GROOVE FOR ODDSIZE S5154-00700	5	50.00	250.00	23 B
22309	V130LA10A	GE ARC SUPPRESSOR VARISTOR	56	0.71	39.76	46 C
22325	vbm	WIRE	10	1.97	19.70	EAST WALL
22359	WBL*	FEDERAL SIGNAL DIVISION WEATHER PROOF BOX	12	28.95	347.40	SHELF 57
22364	WK2.5/U	FUSE BLOCK	5	6.50	32.50	-
22407	6ES7 971-0BA00	BATTERY LITHIUM FOR SIEMENS PLC'S	9	8.79	79.10	2 C
22429	YAR 207-107-2F	BEARING INSERT FOR MK-154N PORTEC	8	21.37	170.93	15 C
22456	108-0519-002	WEAR STRIP SKI CLAIM	2	58.55	117.11	24 C
22457	108-0589-001	WEAR STRIP SKI CLAIM DRIVE BASE	2	71.50	143.00	24 C
22459	14 GAUGE THIN WIRE (GREEN 14 GAUGE WIRE	92	0.10	9.20	EAST WALL
22471	UCF209-27	BEARING 4-BOLT FLANGE ID 1-11/16 SKI CLAIM	5	36.10	180.51	15 A
22554	208-0310-101	SET COLLAR FOR SK DOG/PIVOT	10	4.00	40.00	23 C
22599	B106IN X 2-3/8	LOCKING ASSY RING FITTER	8	35.20	281.60	20 B

Item No.	User-defined Field 1	Description	OnHand	AvgCost	Extended	Location
22602	GEARBOX	TO LIFT GEARBOX	1	220.00	220.00	-
22638	889R-F3AEA-5	CORDSET AC MICRO STRAIGHT 3PIN 5M (16.4FT) YELLOW	5	23.00	115.00	45 B
22685	108-0555-001	SKI CLAIM SPACER 1-11/16" X .722" LG	8	11.00	88.00	24 C
22686	108-0555-002	SKI CLAIM SPACER 1-11/16" X 1.475" LG	4	11.00	44.00	24 C
22700	020122	TRANSNORM PINCH ROLLER (020122)	1	425.00	425.00	24 A
22702	UM-210 RBT	RBT WARNER 210 CLUTCH BRAKE	2	350.00	700.00	13 J
22898	3631970	DC POWER SUPPLY BOARD KIT(3631970)	2.5	8.75	21.88	15 A
23003	26MH1KV1415 D/F	REDUCER 15:01 ELECTRA GEAR SO 94E32960 GJ	1	1,124.06	1,124.06	17 B
26381	26MHIK1420 D/F	REDUCER 20:1 ELECTRA GEAR	1	733.18	733.18	17 B
28015	290-1328R	PIN LEG SOUTHWORTH LIFT	2	38.26	76.52	23 B
33621		BELT BAE MERGE 226"	3	485.06	1,455.18	14 C
40278	ds	BELT POWERTURN 90DEG 8" DROP	1	2,700.00	2,700.00	13 C
40280	D950-10-0004	PILOT WASHER WRAP SPRING CB10	2	31.88	63.76	18 C
40281	D807-10-0003	BRAKE COLLAR SPACER WARP SPRING CB10	2	23.73	47.46	18 C
40282	EGDF30C18E 180T	BELL HOUSING	2	406.86	813.71	16 C
40284	34EP3102A01SP	BEARING END CAP FOR VBM3546T	1	59.87	59.87	11 A
40286	540-2053	SPLINED HUB FOR UM210 WARNER C/B	2	161.07	322.15	13 H
40287	5371-111-005	FRICTION PLATE FOR UM210 WARNER C/B	4	175.49	701.98	13 H
40289	EE-38	FUSE 50A CHARGER	1	12.32	12.32	19 B
40290	S1111K	ECCENTRIC LOCKING COLLAR 1-11/16"	8	7.95	63.60	15 B
40306		RBT L/H HUB CITY REDUCER 5:1	1	1.00	1.00	22 C
40308		RBT L/H WRAP SPRING CLUTCH ASSY	2	1.00	2.00	22 C
40309		RBT R/H WRAP SPRING CLUTCH ASSY	2	1.00	2.00	22 C
40313	RBT VBM3558T	RBT VBM3558T MOTOR	1	551.45	551.45	12 B
40314	3LD9220-3BF	AUXILIARY CONTACT 1NO GOLD FLASH	1	17.82	17.82	1 D
40316	RAL 3B9	PORTEC ROLLER END BEARING	14	9.75	136.44	25 B
40317	RBT VBM3611T	RBT VBM3611T MOTOR	1	0.01	0.01	11 D
40820	6007LLB	BEARING NTN6007LLB	5	21.63	108.13	25 B
48817	48817	SHAFT 1" KEYED 1/4	8	7.55	60.37	FAB AREA

Appendix B City Spare Parts
DEN Spare Parts
Contract #201204994

Item No.	User-defined Field 1	Description	OnHand	AvgCost	Extended	Location
10032	007652-00280	NAMEPLATE ARC FLASH	10	1.00	10.00	5 C
10084	P49387/90/18/100	PULLEY TAIL 90 DEG 18 HELIX TRANSNORM	1	801.30	801.30	29
10113		MODIFIED HSD VERTICAL BELT	4	77.89	311.56	FLOOR
10119	1492-EA35	END ANCHOR FITS DIN MOUNTING RAILS NORMAL DUTY	8	0.02	0.16	1 C
10121	0225-18197	REDUCER HUB CITY KIT 210 SPEC KIT	1	197.75	197.75	27 C
10122	B4938S6990HL/12/100	BELT TRANSNORM 90 DEG 12" HELIX LACED	1	3,239.00	3,239.00	19 D
10154	03-000808	LAMP FAN 9CM FOR VIDEO WALL	3	182.00	546.00	4 C
10156	03-000808-09P	BALLASTS FOR VIDEO WALL LAMPS	1	957.00	957.00	CONTROLL ROOM
10157	003-120442-01	LAMP ASSY 120W VIDEO WALL	2	569.80	1,139.60	4 C
10184	B4938S6945HV/12/100	BELT TRANSNORM 45 DEG 12" HELIX VULACANIZED	3	1,840.00	5,520.00	15 A
10275	1" STRAP	CLAIM 1" NYLON STRAP FOR STEARNS MU UNITS	150	2.00	300.00	24 B
10403	1017866	CONTROLLER OTC400-0000 SICK	1	1,820.00	1,820.00	22 A
10610	507-67401W	CLAIM S/S PALLET SUPPORT WELDMENT SPLINE FOR MU	30	195.89	5,876.70	EAST WALL WARRT
10629	117076	BUSHING TAPER LOCK 1108 7/8 KEYWAY HSD	51	8.96	456.96	22 C
10645	117113	BUSHING TAPER LOCK 3020 1-11/16 KEYWAY	1	80.00	80.00	-
10786	12466	ORANGE DRIVER ROLLER RUBBER BAND (BEST)	17	7.50	127.50	18 B
10796	C-5036 FLAT DRIVE RO	ROLLER 90 DEG FLAT DRIVE	1	850.00	850.00	28 B
10954	1419A	CABLE SERIAL CABLE-RS422	100	0.83	83.00	6 C
10980	1492-CJ6-50	CENTER JUMPER FOR A-B 1492 W (FOR TERMIAL STRIP)	100	0.02	2.00	1 C
10983	1492-EB	END BARRIER FOR 1492-W10 TERMINAL BLOCKS	2	0.02	0.04	1 C
10984	1492-EB3	END BARRIER FOR 1492-W4 TERMINAL BLOCKS	5	0.61	3.05	1 C
10997	1492-H	FUSE BLOCK A-B #1492-H	45	6.65	299.25	1 C
11000	1492-H5	FUSE BLOCK 12A 1POLE 300V	45	7.46	335.70	1 C
11012	1492-N25	MOUNTING RAIL STANDOFF BRACKETS	10	5.02	50.20	1 A
11015	1492-N37	FUSE BLOCK END BARRIER	4	0.53	2.12	1 C
11027	1492-SM6X12	LABELING PLATES SNAP IN MARKER CARDS	220	0.04	8.80	1 C
11028	1492-SM8X12	LABELING PLATES SNAP IN CARS 8MM	130	3.88	504.40	1 C
11032	1492-W10	TERMINAL BLOCK SINGLE CIRCUIT 57A 800V 8MM2 GRAY	39	0.99	38.61	1 C
11033	1492-W4	TERMINAL BLOCK 30A SINGLE FEED THROUGH GRAY	206	0.02	4.12	1 C
11034	1492-W4-Y	TERMINAL BLOCK IEC 32A 800V #22-#19 AWG YELLOW	180	0.59	106.20	1 C
11051	1494V-100	DISCONNECT 100A	1	615.00	615.00	-
11082	14MGT-1190-20	POLY CHAIN GT2 BELT 14MGT-1190-20	2	77.49	154.98	-
11122	1585A	ETHERNET CABLE -CAT 5E ITEM # 323	100	1.66	166.00	6 C
11139	160B-415ZV	VAN DER GRAAF POWER ROLLER TYPE RTM	2	3,500.00	7,000.00	20 D
11175	1688845	D-SUB 9 CONTACT CARRIES	1	25.00	25.00	5 C
11492	1D1N002ST	TRANSFORMER DRY TYPE ENCAPSULATED	1	3,295.84	3,295.84	22 C
11493	1D1N105QST	TRANSFORMER ENCAPSULATED 240/480-120/	4	213.86	855.44	22 C
11675	VM3546T	MOTOR 1HP 1725RPM 230/460V 3PH 143TC HSD	2	115.18	230.36	7 C
11676	VM3558T	MOTOR 2HP 1725RPM 230/460V 3PH 145TC	20	203.10	4,062.00	8 A
11685	CM3558T	MOTOR 2HP 1750RPM 230/460V 3PH 145TC W/FOOT	1	241.46	241.46	7 B

Item No.	User-defined Field 1	Description	OnHand	AvgCost	Extended	Location
11704	BM3546T	MOTOR 1HP 1725RPM 230/460VAC 3PH 143T BM	2	450.79	901.58	7 A
11710	VM3554T	MOTOR 1.5HP 1725RPM 230/460V 3PH 145TC	5	179.47	897.34	7 C
11733	M3554T	MOTOR 1.5HP 1755RPM 230/460V 3PH 145T	3	189.80	569.40	7 B
11734	M3558T	MOTOR 2HP 1750RPM 230/460V 3PH 145T	2	271.84	543.68	7 B
11735	M3611T P18A7300	MOTOR 3HP 1750RPM 230/460V 3PH 182T	1	105.60	105.60	7 B
11736	M3615T/00518EP3E184T	MOTOR 5HP 1750RPM 230/460V 3PH 184T W/FOOT	3	211.86	635.58	7 B
11737	VM3611T	MOTOR 3HP 1725RPM 230/460V 3HP 182TC	2	288.05	576.10	14 D
11737	VM3611T	MOTOR 3HP 1725RPM 230/460V 3HP 182TC	1	288.05	288.05	8 C
11750	BM3611T	MOTOR 3HP 1725RPM 230/460V 3PH 182T BM	1	472.50	472.50	8 C
11754	VEM3587T	MOTOR 2HP 1755RPM 230/460V 3PH 145TC	9	440.71	3,966.43	24 C
11755	VBM3611T	MOTOR 3HP 1725RPM 230/460V 3PH 182TC BM	6	554.32	3,325.92	8 C
11777	VEM3665T	MOTOR 5HP 1750RPM 230/460V 3PH 184TC	3	497.22	1,491.67	14 C
11780	VM3710T	MOTOR 7.5HP 1755RPM 230/460V 3PH 213TC	1	307.58	307.58	23 D
11781	VEM3661T	MOTOR 3HP 1760RPM 230/460V 3PH 182TC	4	421.71	1,686.83	14 C
11819	BM3558T/P14H7302	MOTOR 2HP 1725RPM 230/460V 3PH 145T BM W/FOOT	14	214.88	3,008.32	7 A
11834	36L505W415G1	MOTOR 5HP 1725RPM 230/460V 3PH 184T	1	450.00	450.00	-
11837	BM3554T	MOTOR 1.5HP 1740RPM 230/460V 3PH 145T BM	1	677.70	677.70	7 B
11847	VM3615T	MOTOR 5HP 1725RPM 230/460V 3PH 184TC	1	295.35	295.35	8 B
11865	6SE64202UD240BA1	VFD MICROMASTER 420VFD 4HP 460VAC	1	1,004.60	1,004.60	4 E
11867	6SE6440-2UD25-5CA1	VFD MICROMASTER 4 HP 480VAC	2	1,650.66	3,301.32	5 E
11922	2023599	SENSOR CLONING MODULE BLOWER CONTROL	9	193.20	1,738.80	3 B
12163	2025-L	BRACKET SHORTY MERGE REFLECTOR	2	38.12	76.24	4 C
12164	2025-R	BRACKET FORTY MERGE RIGHT	1	38.13	38.13	4 C
12233	208-0711-101	CARRIER WELDMENT SKI CLAIM	32	370.74	11,863.68	EAST WALL
12375	216-1024024	REDUCER HUB CITY #214 B (5:1) 145TC L/H	7	343.80	2,406.60	26 C
12376	216-1024624	REDUCER HUB CITY #214 C (5:1) 145TC R/H	14	343.80	4,813.20	27 C
12397	220-3208/P2B-SC-012	BEARING DODGE P2BSC012 X 3/4	5	16.88	84.42	27 A
12460	229-2201	BEARING 2-BOLT FLANGE ID 1-7/16 SET SCREW	5	17.18	85.91	22 B
12461	229-2202	BEARING 2-BOLT FLANGE ID 1-11/16 LOCKING COLLAR	53	35.87	1,901.11	22 B
12462	229-2204	BEARING TAKE-UP ID 1-7/16 SET SCREW	18	22.83	410.94	14 B
12489	233-251506	SPROCKET 50 BB 15 TEETH 5/8 HSD	1	23.78	23.78	26 A
12501	234-0528	PULLEY DYNA-SYNC 8 TEETH	1	45.00	45.00	26 A
12519	237-111035	CHAIN POLY SPROCKET GT2 #14MX-35S-20	3	94.26	282.78	27 C
12528	23A05H18	REDUCER TIGEAR 180 5:1	2	985.00	1,970.00	11 B
12566	2413C	SHAFT ENCODER CABLE MCP TO FIELD	50	1.66	83.00	6 C
12665	2517 7/8" KW	BUSHING TAPER LOCK 2517 7/8	1	10.00	10.00	-
12687	217-CBN325231145	REDUCER 31.5:1 RATIO 140TC	2	3,295.84	6,591.68	20 B
12690	257-0139	RETURN ROLLER PC 3-1/2" X 36-7/8"W	69	55.08	3,800.52	SOUTH FENCE
12691	257-0151	RETURN ROLLER PC 3-1/2 X 48-7/8" LG	2	80.00	160.00	-
12715	260-0716	BUSHING TAPER LOCK 2517 1-1/4 KW	1	80.00	80.00	-
12721	261-0112	BUSHING QD SH 1" (DODGE #120353) (SIEMENS)	3	65.00	195.00	26 A
12730	264-0219	BUSHING KIT TIGEAR C262 X 1- 7/16	6	73.42	440.52	36 B
12740	26A15H14	REDUCER 15:1 TIGEAR 2 SIZE 26	3	469.04	1,407.12	12 B
12786	275-00135	SOLENOID AC COIL KIT RH DELTRAN	10	804.58	8,045.80	27 B

Item No.	User-defined Field 1	Description	OnHand	AvgCost	Extended	Location
12787	275-00136	SOLENOID AC COIL KIT LH DELTRAN	3	821.39	2,464.18	27 B
12802	280-1050	CHAIN #50 SNGL STRND RIV	9	35.00	315.00	27 B
12807	280-5050	CHAIN #50 SNGL STRND MASTERLINK (SIEMENS)	5	0.64	3.20	21
12809	282-1035-243	CHN ENDLESS LOOP 35 P X 243 W/OFFSET	22	16.42	361.24	26 A
12810	282-1035-307	CHN ENDLESS LOOP35 PX 307W/OFFSET	2	28.42	56.84	27 B
12909	295-0125-130	CROWN ROLLER STEEL-TYPE	1	149.00	149.00	-
13244	33801	CONTROL CONNECTOR RECEPTACLE FEMALE	9	45.50	409.50	4 G
13250	34 X 4	SNUB ROLLER WO/SHAFT 34" LONG 4" DIA.	1	62.00	62.00	28 C
13296	35A25H18	REDUCER TIGEAR 25:1	2	1,100.00	2,200.00	11 B
13313	36 X 4	SNUB ROLLER NON-WELD 36 X 4	7	100.00	700.00	28 B
13340	36256	CORD GRIP SRAIGHT	4	41.85	167.40	SHELF 7
13404	36H150 SK	PULLEY DYNA SYNC	1	55.00	55.00	SHELF 39
13459	38601-36L	ROLLER 36 X 6	7	173.38	1,213.66	28 B
13561	3LD2154-1TL53	SWITCH DISCONNECT W/RED & YELLOW HANDLE	4	42.04	168.16	3 C
13561	3LD2154-1TL53	SWITCH DISCONNECT W/RED & YELLOW HANDLE	5	42.04	210.20	5 C
13594	3RA1921-1BAOO	MODULES LINK FOR ELEC & MACH CONNECTING	57	4.66	265.62	1 D
13597	3RG4013-3AG01	SENSOR PROX INDUCTIVE 5MM 15-34VDC	24	32.00	768.00	1 B
13597	3RG4013-3AG01	SENSOR PROX INDUCTIVE 5MM 15-34VDC	21	32.00	672.00	4 D
13599	3RH1122-1AK60	RELAY CONTROL 1.100A @24VDC 4POLE (2NO-2N	3	17.50	52.50	1 C
13600	3RH1122-1BB40	RELAY CONTROL 24V 6A 2ND-2NC	6	45.00	270.00	1 E
13602	3RH1140-1BB40	RELAY 1.100A 24VD CCOIL 4POLE 4NO	38	17.80	676.40	1 E
13603	3RH1911-1FA22	CONTACTOR 4 POLE	4	8.72	34.88	1 E
13604	3RH1911-1FA40	AUX CONTACT BLOCK 4 POLE (4NO)	22	8.72	191.84	1 E
13605	3RH1911-1GA04	4 POLE 4NC AUX CONTACT BLOCK	36	8.72	313.92	1 E
13607	3RH1921-1FA22	CONTACT AUX 2NO-2NC FRONT MOUNT	2	25.00	50.00	1 E
13608	3RH1921-1FA31	AUXILLARY CONTACT BLOCK FOR 3RT	16	12.44	199.04	1 E
13610	3RP1513-1AQ30	TIMER ON DELAY 24VDC/100-127VAC SPDT	13	22.24	289.12	1 E
13612	3RT1025-1BB40	CONTACTOR NON REVERSING 3-POLE 17 AMP	16	32.22	515.52	1 E
13614	3RT1026-1BB40	CONTACTOR NON REVERSING 3-POLE 25 AMP	16	36.66	586.56	1 E
13616	3RT1035-1BB40	CONTACTOR NON REVERSING 40AMP	1	125.00	125.00	5 E
13617	3RT1916-1BB00	VARISTOR 24-70 VSC FOR 3RH11 RELAYS	59	22.24	1,312.16	1 D
13619	3RT1926-1BB00	VARISTOR 24-70 VDC FOR CONTACTOR	70	6.53	457.10	1 E
13620	3RV1021-1CA10	MOTOR STARTER PROTECTOR 1.8-2.5A	8	33.34	266.72	1 F
13621	3RV1021-1DA10	MOTOR STARTER PROTECTOR 2.2-3.2A	18	33.34	600.12	1 F
13622	3RV1021-1EA10	MOTOR STARTER PROTECTOR 2.8-4A	50	33.34	1,667.00	1 F
13623	3RV1021-1FA10	MOTOR STARTER PROTECTOR 3.5-5A	24	33.34	800.16	1 E
13624	3RV1021-1HA10	MOTOR STARTER PROTECTOR 5.5-8A	7	33.34	233.38	1 F
13625	3RV1021-1KA10	MOTOR STARTER PROTECTOR 9-12.5A	1	105.00	105.00	5 D
13626	3RV1021-OJA10	MOTOR STARTER PROTECTOR 0.7-1.0A	3	33.34	100.02	1 D
13627	3RV1901-1A	SIEMENS SIDE MOUNTED AUX CONTACT BLOCK 1NC 1NO	35	7.46	261.10	5 D
13628	3RV1908-OP	ADJUSTMENT DIAL COVER FOR 3RV MSP	2	6.22	12.44	3 D
13628	3RV1908-OP	ADJUSTMENT DIAL COVER FOR 3RV MSP	3	6.22	18.66	5 D
13629	3RV1928-1H	TERMINAL ADAPTER KIT	58	4.66	270.28	3 C
13632	3RX1535	M18 PLUG STYLE CORD SET 3PIN 6.5 FT	41	15.46	633.86	1 B

Item No.	User-defined Field 1	Description	OnHand	AvgCost	Extended	Location
13633	3RX1536	CABLE M12 TYPE F 4 PIN 16FT	29	16.58	480.82	3 D
13634	3RX1541	CABLE M12 TYPE F 4 PIN 16FT RIGHT ANGLE	5	31.25	156.25	1 B
13635	3RX7922-1A	REFLECTOR POLARIZED 2" SIEMENS	43	9.20	395.60	1 G
13637	3SE3170-1UW	LIMIT SWITCH ADJUSTABLE ROLLER ARM	8	1.98	15.84	1 E
13769	4028998	FILTERS FOR SICK HEADS 6&7 BLOWER FAN FIL	52	4.67	242.84	1 D
13982	42MRU-5200	PHOTOEYE HEAD (GREEN)	7	97.20	680.40	1 E
13983	42MTB-5000	SENSOR PHOTOEYE BASE GREEN USE W/42M PHOTOHEAD	7	17.82	124.74	1 G
14025	450-0711	EXTENSION NUT HEX COUPLING 1/2" X 13- X 1	25	0.03	0.75	26 B
14062	452CR	F.D. BOX 1/2" THREAD DIA. YELLOW	14	28.59	400.26	1 E
14063	454-0010	WASHER LOCK 1/2"	25	0.03	0.75	1 G
14112	4801-2	CABLE CONNECTOR	31	0.02	0.62	1 G
14113	4801-3	CABLE CONNECTOR	19	0.02	0.38	1 G
14114	4801-5	CABLE CONNECTOR	19	0.02	0.38	1 G
14319	MDL-4	FUSE 4A TIME DELAY GLASS	95	2.00	190.00	5 D
14403	5001070	BLOWER FAN W/CABLE 120VDC SICK	3	420.00	1,260.00	5 D
14641	507-67484	S/S CLAIM SLOPE PALLETS MU	24	300.00	7,200.00	N OF WRNTY CAGE
14704	5173-0	SINGLE GANG COVER 4-1/2" LONG X 2-3	5	0.02	0.10	1 G
14706	517FX-ST	MODULE ETHERNET SWITCH	2	1,899.41	3,798.82	2 A
14742	52AAGL	PUSHBUTTON GUARD E-STOP	5	3.42	17.10	2 B
14744	52AED2	LED REPLACEMENT 24V AC/DC RED	22	9.34	205.48	2 B
14745	52AED3	LED REPLACEMENT 24V AC/DC GREEN	25	9.34	233.50	2 B
14746	52AED4	LED REPLACEMENT 24V AC/DC AMBER	25	9.34	233.50	2 B
14747	52AED5	LED REPLACEMENT 24V AC/DC BLUE	10	9.24	92.35	3 B
14750	52BAK	CONTACT BLOCK 1NO	20	5.11	102.15	2 B
14751	52BAU	1NC LATE BREAK CONTACT	14	5.16	72.24	2 C
14763	52PA8A1K	PUSHBUTTON (SIEMENS)	13	14.40	187.20	2 C
14764	52PA8A3K	PUSHBUTTON GREEN	27	14.40	388.80	2 C
14765	52PA8A4	PUSHBUTTON YELLOW	6	14.40	86.40	2 C
14768	52PE2D2A	PUSHBUTTON E-STOP SIEMENS 24V	11	63.00	693.00	2 C
14770	52PE4DB	PILOT LIGHT LED 24V AC/DC WHITE	3	38.83	116.49	2 C
14771	52PE6D3A	PUSHBUTTON GREEN 1NO-1NC LED 24 VDC	1	45.78	45.78	2 C
14776	52SA2AABA1	2 POSITION SELCTOR SWITCH	2	17.02	34.04	2 C
14779	52SA2BCB	SELECTOR SWITCH SHORT LEVER 3-POS M	4	19.56	78.24	2 C
14780	52SA2DAB	SWITCH NEMA 1/3/4/12/13 SHORT LEVER	2	12.66	25.32	2 C
14781	52SC6AE	SWITCH 2 POSITION KEY	4	43.64	174.56	2 C
14783	52SC6AEA2	2 POSITION KEY SWITCH	1	53.96	53.96	2 C
15192	5SX2104-7X	CIRCUIT BREAKER 277VAC 4 AMP	2	100.00	200.00	5 D
15193	5SX9100	SIEMENS AUXILIARY CONTACT 1NC 1NO	2	20.00	40.00	5 D
15290	60-1785	PHOTOEYE MOUNTING BRACKET	7	6.74	47.18	2 C
15297	60-22-GB	SPROCKET METRIC SHAFT SIZE 1.3789KEY .3935	1	172.88	172.88	-
15358	6020875	POWER SUPPLY 24VDC 10A 1PH 240W PR FACTOR CORRECT	4	398.00	1,592.00	5 B
15359	6020893	BMH 10-0111 RS232 TO PROFIBUS-CONVERTER	2	960.00	1,920.00	2 B
15364	6021166	CAN CABLE 5 METERS SICK	13	70.00	910.00	2 D
15365	6021165	ATR CAN CABLE (3 METERS)	4	70.00	280.00	2 E

Item No.	User-defined Field 1	Description	OnHand	AvgCost	Extended	Location
15368	6024931	CONVERTER DUAL RS232 TO ETHERNET SICK	5	533.20	2,666.00	4 E
15369	6027647	Y-CABLE TO EEPROM 0.4M SICK	10	58.67	586.65	2 D
15539	63-23-150-8	TRANSFORMER MINI/MICRO COMPUTER REGULATOR	1	710.44	710.44	22 C
15543	63-23-220-8	TRANSFORMER SOLA SIEMENS 2KVA	1	1,840.12	1,840.12	22 D
15543	63-23-220-8	TRANSFORMER SOLA SIEMENS 2KVA	2	1,840.12	3,680.24	25 D
15544	63-23-230-8	TRANSFORMER SOLA SIEMENS 3KVA	1	2,631.85	2,631.85	25 D
15619	6603-20-01	PADDLE ASSY REFURBED NEW W/SERPENTINE HSD	1	3,532.50	3,532.50	15 D
15627	6603-20-20	BELT TENSIONER HSD	5	65.00	325.00	27 B
15629	6603-20-23	BELT GUARD HSD	3	25.00	75.00	20 D
15630	6603-20-25	WELDMENT TIE ROD CAM & SPROCKET HSD	1	106.20	106.20	26 B
15631	6603-20-30	VERTICAL BELT W/V-GUIDE HSD SIEMENS	7	77.98	545.85	26 D
15632	6603-20-38	IDLER PULLEY ASSY HSD SEE SPEC/ NOTES	7	124.20	869.40	26 B
15634	6603-30-05	ROD CONNECTING HSD	3	140.47	421.41	26 B
15641	6603-30-29	BEARING HOUSING ASSEMBLY HSD	15	239.26	3,588.90	26 B
15646	6603-30-38	KIT IDLER TENSION UNIVERSAL P2B	4	191.79	767.16	26 B
15660	67283-6	CLAIM BUMPER STRIPS FOR MU 6' LENGTH	6	200.00	1,200.00	-
15664	67402	CLAIM DRIVE CHAIN MU	2	1,094.62	2,189.23	20 B
15746	6EP1332-18H42	SIEMENS 24VDC POWER SUPPLY	1	300.00	300.00	2 D
15807	6J1.94-1108	SHEAVE TAPER LOCK 1108 6J1.94 7/8 HSD	31	13.52	419.12	22 C
15808	6J2.24	SHEAVE TAPER LOCK 1108 6J2.24 7/8 HSD	26	14.04	365.04	22 C
15872	6XV1830-0ET50	PROFIBUS STANDARD CABLE	3280	0.56	1,836.80	6 G
15975	701210	WINDSHIELD WASHER FLUID 03 CHEVY	6	4.26	25.54	69
16000	7023047	PHOTOEYE WL2000-B5300 SICK	9	74.60	671.40	2 E
16090	A-TEMNO	SWITCH N.O. TEMP CONTROL	2	40.05	80.10	SHELF 2
16287	7850-3423721	SCANNERS CIMAX 7850 SICK	1	3,362.33	3,362.33	2 E
16295	7900-05-0031	PALLET SUPPORT WELDMENT(SPINE) MOD 3 COLBY	13	105.00	1,365.00	NORTH OF CAGE
16316	8-591	PHOTO EYE BASE RELAY	7	36.19	253.33	2 F
16317	80	CLAIM UNIT DRIVE CHAIN WITH 1/2 AND MASTER LINKS	10	0.00	0.00	21 B
16340	12467	CLEAR IDLER BELT (TSA) (BEST)	34	6.60	224.40	18 B
16349	800T-A1A	PUSHBUTTON GREEN FLUSH MOMENTARY W/1NO 1NC	1	6.32	6.32	2 F
16362	800T-B6	SWITCH AB 800T-B6	1	20.97	20.97	2 F
16371	800T-FXP16RA1	PUSHBUTTON 30MM RED MUSHD ILL E-STOP PUSH/PULL	1	70.51	70.51	2 F
16385	800T-H48	SWITCH ALLEN BRADLEY SWITCH KEY	1	75.00	75.00	2 F
16420	800T-N314X	800T-N41 LOCKABLE ATTACHMENT	1	24.18	24.18	2 F
16471	800T-XD1	CONTACT BLOCK 1NO COMPATIBLE W/800T-FXTA1	1	6.32	6.32	2 F
16503	802T-B	LIMIT SWITCH-ALLEN BRADLEY	2	76.83	153.66	2 F
16505	802T-K	LIMIT SWITCH PUSH VERTICAL	3	100.60	301.80	2 D
16572	84581-9013	MINI C-PLUG MALE 5C 16AWG STO CORD	5	1.00	5.00	2 F
16572	84581-9013	MINI C-PLUG MALE 5C 16AWG STO CORD	5	1.00	5.00	5 C
16574	846411230	MINI-C FEMALE STAIONARY RECEPTACLE	24	39.50	948.00	2 G
16575	84647-0010	MALE CORD CAP W/ATTACHMENT CHAIN	3	16.19	48.57	2 D
16576	84647-0011	MOLEX MINI-C SMALL DUST CAP RECEPTACLE	13	16.58	215.54	2 G
16587	85040	OIL FILTER 03 CHEVY	2	6.29	12.58	68
16679	871A-BRN18	MOUNTING BRACKET ALLEN BRADLEY #871ABRN18	7	10.69	74.83	2 F

Item No.	User-defined Field 1	Description	OnHand	AvgCost	Extended	Location
16696	8751-004732	SERIAL DEVICE SERVER-ETHENET	1	0.02	0.02	5 D
16764	8WD4408-OAB	TERMINAL BASE ELEMENT	23	16.80	386.40	2 F
16767	8WD4420-OCB	STROBE LIGHT RED SIEMENS	12	72.99	875.84	2 F
16768	8WD4420-OCD	STROBE LIGHT AMBER SIEMENS	7	68.54	479.78	2 F
16770	8WD4420-OCE	STROBE LIGHT CLEAR	5	68.54	342.70	2 F
17034	924 01072 249	BEI SHAFT ENCODER	2	370.00	740.00	5 B
17090	9457-81-39	BRACKET PINCH ROLLER	1	26.00	26.00	SHELF 8
17091	9465-07-39	PULLEY FF 4-1/2" 1-7/16" QD X 38"	5	86.74	433.70	28 B
17092	9467-05-39-192	BELT QUEUE 48"BED 99"LG	2	147.00	294.00	19 B
17093	9467-05-39-198	BELT QUEUE 49.5"BED 102"LG	1	181.19	181.19	19 B
17099	9467-05-39-235	BELT QUEUE 58.75" BED 120.5" LG	1	225.00	225.00	19 B
17100	9467-05-39-237	BELT QUEUE 59.25" BED 121.5" LG	1	354.56	354.56	19 B
17102	9467-05-39-251	BELT QUEUE 62.75" BED 128.5" LG	1	210.17	210.17	19 B
17111	9467-05-39-285	BELT QUEUE 71.25" BED 145.50" LG	1	222.33	222.33	19 B
17116	9467-05-39-321	BELT QUEUE 80.25" BED 163.5" LG	2	233.23	466.46	19 B
17122	9467-05-39-360	BELT QUEUE 90" BED 183" LG	1	325.01	325.01	19 B
17124	9467-05-39-384	BELT QUEUE 96" BED 195" LG	1	511.79	511.79	16 A
17124	9467-05-39-384	BELT QUEUE 96" BED 195" LG	1	511.79	511.79	19 B
17129	9467-ELS-296	BELT QUEUE 74"BED 151"LG	1	195.41	195.41	16 A
17131	9467-ELS-390	BELT QUEUE 120" BED 243" LG	1	335.00	335.00	16 A
17144	95-000-41	CORNERING CABLE SYSTEM	15	3.00	45.00	5 F
17189	9751-1PB	STAINLESS COVER 1 HOLE	1	45.00	45.00	5 F
17190	9751-3PB	3 HOLE STAINLESS PLATE	2	51.84	103.68	4 B
17191	9751-5PB	5 HOLE STAINLESS PLATE	2	88.00	176.00	2 G
17192	9751-7PB	7 HOLE STAINLESS PLATE	1	50.00	50.00	4 B
17250	9942-A-39	PULLEY TAKE-UP 4IN DIA X 38IN W-1-7/16 FL	1	63.76	63.76	SHELF 65
17252	9943-A-39	PULLEY FF 8.75" X 38" 1-11/16 SHAFT	10	74.01	740.10	28 B
17254	9944-A-39	PULLEY END 6IN DIA X 38IN W BG 1-7/16 TF	30	86.88	2,606.40	77
17257	9950-A-39	ROLLER 38IN W X 6-3/4 MERGE/TRANSPORT	19	157.84	2,998.96	FLOOR
17261	9951-A-39	DRIVE ROLLER 38 X 6.75" FOR MERGE	10	175.00	1,750.00	FLOOR
17262	9952-A-39	PULLEY DRIVE 6.75IN DIA X 39IN W TF	2	175.38	350.76	28 B
17263	9955-B-39	PULLEY DRIVE 8.75IN DIA X 38IN W 1-11/16 FF	7	74.01	518.07	28
17275	A-21ITE	OPERATOR ADAPTER FOR I-T-E FLEX HANDLE	1	81.35	81.35	5 D
17284	A-SPB	HOLE PLUG	1	3.27	3.27	2 G
17285	A-SPBSS	HOFFMAN ELECTRICAL ENCLOSURE	3	10.80	32.40	2 G
17386	AGC-1	FUSE 1A 250VAC FAST-ACTING GLASS	125	0.32	40.00	5 E
17431	AL00005021	GUARD ENCODER	3	75.00	225.00	5 G
17444	AL206-5025	SOLENOID ADAPTER PLATE L/H HSD	3	88.46	265.38	27
17460	AL3RT1024-1BB40	PULLEY DRIVE 38" X 6-3/4 X 1-7/16 MERGE	5	160.17	800.85	28 B
17460	AL3RT1024-1BB40	PULLEY DRIVE 38" X 6-3/4 X 1-7/16 MERGE	19	160.17	3,043.23	FLOOR
17469	AL3RT1024-1BB40	CONTACTOR	20	31.45	628.98	1 E
17479	6603-20-15	PULLEY SHAFT DRIVE HEAD HSD	15	52.42	786.30	27 B
17508	AL8WD4308-OCA	MOUNTING BRACKET FOR RIGHT ANGLE	5	7.02	35.10	1 D
17525	ALFCK610	FUSE BLOCK KIT 100A 600VAC	1	72.60	72.60	2 G

Item No.	User-defined Field 1	Description	OnHand	AvgCost	Extended	Location
17526	ALFCK620	FUSE KIT 200A 600VAC CLASS J	1	196.28	196.28	2 G
17527	ALFHOEC048	DISCONNECT CABLE FOR 30/100 MSC DISCONNECT	2	50.00	100.00	2 G
17528	ALFHOJCO48	CABLE ONLY FOR VARIABLE DEPTH FLANGE 200 AM	3	72.64	217.92	2 G
17530	ALH-0000-018	PADDLE FRAME WELDMENT	2	1,588.00	3,176.00	20 D
17545	ALH-0014-400	PADDLE TRANSITION RIGHT HSD 6650	1	4,759.55	4,759.55	27 E
17845	BESTRB 70247	MOTOR AND REDUCER BEST (TSA)	5	375.00	1,875.00	21 B
17900	BX06-095D-W3EB	FIBER OPTIC CONNECTORS, ST TYPE	15	16.58	248.70	SHELF 6
17916	C-5036 90(USED)	USED PORTEC C 5036 90 DEG FLAT	2	2,082.00	4,164.00	10 D
17921	401198	BELT POWERTURN C5036 SP180 DEG	1.5	4,607.48	6,911.23	N OF WRNTY CAGE
17966	C6-3-10	CABLE ASSY 6-PIN CONDUCTOR 10FT FOR SHAFT ENCODER	12	28.75	345.00	2 G
17997	CBL-P2-3ST	FIBER OPTIC CABLE 3 METER	2	56.38	112.76	2 G
17998	CBN 23-C140	REDUCER 31.1:1 RATIO SERIES 2000	2	1,200.00	2,400.00	20 B
18063	CR201	RECEPTACLE DUPLEX 20 AMP 125 VAC	5	2.04	10.20	2 G
18114	CV52D209A	LOWER SLOPE PLATE CURVED GUIDE TRACK MU	4	185.00	740.00	68
18118	CV52D403-1600-B	CLAIM S/S FLITE 1600 PALLET ASSY FORMED MU	13	200.00	2,600.00	SOUTH FENCE
18119	CV52D405	CLAIM SLOPE PLATE BUMPER CCW MODIFIED MU	27	7.94	214.38	-
18123	CYR 1-3/4 S	BEARING V-BELT IDLER CAM FOLLOWER	91	14.92	1,357.72	27 A
18128	52PE6D9AXX	SENSOR PUSHBUTTON AMBER OVER HIEGHT	17	45.78	778.26	2 C
18246	6603-30-14	HSD VIBRATION BRACKET	1	74.09	74.09	27 A
18256	E-1PB	PUSHBUTTON ENCLOSURE 1 HOLE	1	75.00	75.00	4 B
18257	E-2PB	PUSHBUTTON ENCLOSURE 2HOLE	6	40.78	244.70	4 F
18259	E-3PBX	PUSHBUTTON ENCLOSURE 3 HOLE DEEP	9	47.44	426.96	4 B
18260	E-4PBSS	4 PUSHBUTTON ENCLOSURE	1	45.00	45.00	5 F
18261	E-4PBX	PUSHBUTTON ENCLOSURE 4 HOLE DEEP	3	52.51	157.53	4 F
18263	E-4SPBX	PUSHBUTTON ENCLOSURE	1	53.43	53.43	SHELF 3A
18264	E-6PBSS	PUSHBUTTON ENCLOSURE 6 HOLE	2	170.80	341.60	4 F
18265	E-6PBX	PUSHBUTTON ENCLOSURE 6 HOLE	1	75.00	75.00	4 B
18266	E-9PB	PUSHBUTTON ENCLOSURE 9 BUTTON	1	45.00	45.00	5 F
18332	E93MR5317	REDUCER 20:1 MORSE 60GSA	2	4,950.00	9,900.00	SOUTH FENCE
18488	FHOHS	HANDLE ONLY FOR VARIABLE DEPTH FLANGE	2	102.42	204.84	4 F
18489	FHOS06R	SWITCH OPERATOR FOR VARIABLE DEPTH FLANGE	2	52.80	105.60	4 F
18490	FHOS20R	SWITCH OPERATOR FOR VARIABLE DEPTH FLANGE	1	52.80	52.80	4 F
18611	FRN-R-10	FUSE 10A 250VAC TIME DELAY DUAL ELEMENT RK5	3	1.04	3.11	4 C
18613	FRN-R-15	FUSE 15A 250VAC TIME DELAY DUAL ELEMENT RK5	10	25.00	250.00	4 C
18620	FRN-R-3-2/10	FUSE 3.2AMP 250V CLASS RK5 TIME DELAY DUAL ELEMENT	2	7.50	15.00	4 C
18622	FRN-R-4	FUSE 4A 250VAC TIME DELAY DUAL ELEMENT RK5	5	3.16	15.80	5 F
18623	FRN-R-5	FUSE 5A 250VAC TIME DELAY DUAL ELEMENT RK5	7	1.63	11.41	5 F
18624	FRN-R-6	FUSE 6A 250VAC TIME DELAY DUAL ELEMENT RK5	8	6.00	48.00	5 D
18677	FRS-R-10	FUSE 10A 600VAC TIME DELAY DUAL ELEMENT RK5	30	2.53	75.90	5 F
18682	FRS-R-15	FUSE 15A 600VAC TIME DELAY DUAL ELEMENT RK5	12	40.00	480.00	5 F
18683	FRS-R-150	FUSE 150A 600VAC TIME DELAY DUAL ELEMENT RK5	3	0.00	0.00	4 F
18693	FRS-R-3	FUSE 3A 600VAC TIME DELAY	7	5.24	36.68	5 F
18699	FRS-R-4	FUSE 4A 600VAC CLASS RK5 DUAL ELEMENT TD	4	5.00	20.00	5 F
18705	FRS-R-5	FUSE 5A 600VAC TIME DELAY DUAL ELEMENT RK5	22	2.73	60.06	5 F

Item No.	User-defined Field 1	Description	OnHand	AvgCost	Extended	Location
18852	01179	LACING CLIPPER NO.1 UNIBAR STAINLESS 12IN	36	0.95	34.20	3 G
18968	NCS065 (05022)	LACING PIN .065 NO.1 CABLE W/LEADER	1009	1.32	1,331.88	3 G
18969	05024	LACING PIN .093 NO.2 CABLE	205	0.96	196.80	3 G
19212	14 MX-53S-37 TL 3020	CHAIN POLY SPROCKET GATES GT2 14 MX-53S-37 TL 3020	1	105.00	105.00	-
19216	140C200T010S1A	REDUCER TIGEAR 10:1 C200	1	1,155.87	1,155.87	12 B
19217	140C200T015S1A	REDUCER TIGEAR 15:1 C200	3	1,068.97	3,206.91	12 B
19218	140C200T018S1A	REDUCER TIGEAR 18:1 C200	4	806.17	3,224.68	13 B
19219	140C200T020S1A	REDUCER TIGEAR 20:1 C200	3	806.17	2,418.51	13 B
19220	140C200T025S1A	REDUCER TIGEAR 25:1 C200	2	1,394.65	2,789.30	13 B
19221	140CC262T009S1A	REDUCER TIGEAR 9.4:1 C262	1	1,650.00	1,650.00	11 C
19222	140C262T010S1A	REDUCER TIGEAR 10:1 C262	1	1,600.00	1,600.00	11 C
19223	140C262T015S1A	REDUCER TIGEAR 15:1 C262	2	968.55	1,937.10	11 C
19224	140C262T018S1A	REDUCER TIGEAR 18:1 C262	2	2,099.59	4,199.19	11 C
19225	140C262T020S1A	REDUCER TIGEAR 20:1 C262	1	1,968.38	1,968.38	11 C
19226	140C262T025S1A	REDUCER TIGEAR 25:1 C262	2	2,231.16	4,462.32	12 C
19227	140C262T030S1A	REDUCER TIGEAR 30:1 C262	1	1,167.62	1,167.62	13 C
19228	140C262T038S1A	REDUCER TIGEAR 38:1 C262	1	1,560.00	1,560.00	12 C
19299	180C262T010S1A	REDUCER TIGEAR 10:1 C262	3	1,202.56	3,607.68	12 C
19300	180C262T015SA1	REDUCER TIGEAR 15:1 C262	3	1,156.37	3,469.11	12 C
19301	180C262T018S1A	REDUCER TIGEAR 18:1 C262	3	1,202.56	3,607.68	13 C
19302	180C262T020S1A	REDUCER TIGEAR 20:1 C262	2	1,156.37	2,312.74	13 C
19303	180C262T025S1A	REDUCER TIGEAR 25:1 C262	1	1,156.37	1,156.37	13 C
19304	180C262T030S1A	REDUCER TIGEAR 30:1 C262	3	989.00	2,967.00	13 C
19305	180C262T038S1A	REDUCER TIGEAR 38:1 C262	1	1,033.24	1,033.24	13 C
19307	180C350T010S1A	REDUCER TIGEAR 10:1 C350	1	3,295.85	3,295.85	13 D
19308	180C350T015S1A	REDUCER TIGEAR 15:1 C350	2	3,295.85	6,591.70	13 D
19309	180C350T018S1A	REDUCER TIGEAR 18:1 C350	2	3,295.85	6,591.70	18 D
19310	180C350T020S1A	REDUCER TIGEAR 20:1 C350	2	3,295.85	6,591.70	18 D
19311	180C350T025S1A	REDUCER TIGEAR 25:1 C350	1	3,295.84	3,295.84	18 D
19359	2/BP5052BN01SP	BRUSHES FOR BALDOR 70247 TSA(BEST)	7	11.08	77.54	21 C
19422	36-7/8 X 4	PULLEY DRIVE 4IN DIA X 36.875IN W	2	75.00	150.00	80
19425	339-99003	MERGE BELT NOVO LACED	3	600.00	1,800.00	16 B
19451	3LD2264-2TW53-OUS1	DISCONNECT SWITCH W/CB	3	46.41	139.23	4 G
19455	3RG7241-3CH00	SENSOR PHOTOEYE 10-30VDC BLUE CUBE	6	226.78	1,360.66	1 E
19458	3RA1324-8XB30-1AK6	CONTACTOR REVERSING WITH 24VDC COIL12 AMP	10	72.60	726.00	1 D
19459	3RA1325-8XB30-1AK6	CONTACTOR REVERSING W/24VDC COIL 17 AMPERE	2	66.57	133.14	1 D
19594	6ES7 153-1AA03-0XB0	SLAVE INTERFACE MODULE	3	532.00	1,596.00	4 E
19595	6ES7 321-1BH02-0AA0	DIGITAL INPUT MODULE	6	1,339.98	8,039.88	2 D
19596	6ES7 321-1FH00-0AA0	MODULE INPUT 120VAC 16 PT	3	232.72	698.16	2 D
19597	6ES7 322-1BH01-0AA0	DIGITAL OUTPUT MODULE	3	363.58	1,090.74	2 D
19598	6ES7 322-1FH00-0AA0	MODULE OUTPUT 120VAC 16PT	2	385.30	770.60	2 B
19599	6ES7 322-5FF00-0AB0	DIGITAL OUTPUT MODULE	5	480.00	2,400.00	4 D
19600	6ES7 392-1AJ00-0AA0	20-PIN FRONT CONNECTOR	11	33.22	365.42	2 D
19601	6ES7 392-1AM00-0AA0	40-PIN FRONT CONNECTOR	10	26.24	262.40	2 D

Item No.	User-defined Field 1	Description	OnHand	AvgCost	Extended	Location
19602	6ES7 400-1JA01-0AA0	RACK 9 SLOT	1	24.44	24.44	2 D
19604	6ES7 421-1BL01-0AA0	MODULE DIGITAL INPUT 32 PT 24 VDC	3	316.78	950.34	2 D
19605	6ES7 492-1AL000-0AA0	FRONT CONNECTOR SCREW TERMINAL	2	316.78	633.56	2 D
19606	6ES7 964-2AA04-0AB0	MODULE IF FOR 416 CPU'S	2	1,459.64	2,919.28	2 D
19607	6ES7 972-0AA01-0XA0	MODULE REPEATER RS-485 FOR PROFIBUS	11	15.00	165.00	2 E
19609	6ES7 972-0BB41-0XA0	RS 485 BUS CONN. W ANGLULAR CABLE	23	64.42	1,481.66	2 E
19610	6ES7 972-0DA00-0AA0	PROFIBUS TERMINATING RESISTOR	10	15.00	150.00	2 E
19611	6GK7 443-1EX11-0XE0	MODULE CP 443-1 ETHERNET BRIDGE FOR S7-400	1	2,891.38	2,891.38	2 E
19616	6EP 1436-2BA00	POWER SUPPLY 3 PHASE 400/440/480 V	2	314.90	629.80	5 E
19621	6SE6420-2UD23-0BA1	VFD MICROMASTER 420 AL00021369	1	1,588.88	1,588.88	4 G
19679	AL620.000624-003	MERGE BELT W/O LACING SIEMENS (NEW)	1	497.29	497.29	14 B
19701	B4938N5890HV/33.13/1	BELT TRANSNORM 90 DEG 33.13 HELIX (901363)	1	2,095.00	2,095.00	18 C
19702	B4938S69136HC/36.25/	BELT TRANSNORM 136 DEG 36.25 HELIX (409075)	1	2,825.00	2,825.00	19 D
19712	B4938N69136HC/36.25/	BELT TRANSNORM 136 DEG 32.25" HELIX VULCANIZED	1	2,825.00	2,825.00	19 D
19716	B4938S6945HL/12.25/1	BELT TRANSNORM 45 DEG 12.25' HELIX LACED	1	400.00	400.00	14 A
19717	B4938S6945HL/8.25/10	BELT TRANSNORM 45 DEG 8.25 HELIX LACED	1	1,840.00	1,840.00	14 A
19720	B4938S6930HV/8/100	BELT TRANSNORM 30 DEG 8" HELIX	2	1,369.31	2,738.62	18 A
19721	B4938S6945HL/11/100	BELT TRANSNORM 45 DEG 11" HELIX LACED	1	1,840.00	1,840.00	14 A
19722	B4938S6945HL/12/100	BELT TRANSNORM 45 DEG 12" HELIX LACED	1	1,840.23	1,840.23	14 A
19724	B4938S6945HL/3.25/10	BELT TRANSNORM 45 DEG 3.25 HELIX	3	1,840.23	5,520.69	18 A
19725	B4938S6945HV/8.25/10	BELT TRANSNORM 45 DEG 8.25" HELIX	2	1,840.23	3,680.46	18 B
19730	B4938S6990HL/18/100	BELT TRANSNORM 90 DEG 18" HELIX	1	3,238.52	3,238.52	18 C
19742	B4938S6990HV12/100	BELT TRANSNORM 90 DEG 12" HELIX	2	3,238.52	6,477.04	14 A
19742	B4938S6990HV12/100	BELT TRANSNORM 90 DEG 12" HELIX	1	3,238.52	3,238.52	18 C
19744	B4938S96120FL/100	BELT TRANSNORM 120 DEG FLAT LACED	1	3,231.18	3,231.18	18 D
19745	B4938S96130FV/100	BELT TRANSNORM 130 DEG FLAT	1	3,731.18	3,731.18	19 C
19747	B4938S9640FL/100	BELT TRANSNORM 40 DEG FLAT(409060)	2	1,840.23	3,680.46	19 A
19749	B4938S9645FL/100	BELT TRANSNORM 45 DEG FLAT (802453)	2	1,465.20	2,930.40	18 B
19764	B4938S9645HL/13/100	BELT TRANSNORM 45 DEG 13" HELIX 901365	1	1,355.00	1,355.00	15 A
19771	B4938S9690FL/100	BELT TRANSNORM 90 DEG FLAT(602218)	4	2,520.86	10,083.45	19 C
19772	B4938S9690FV/100	BELT TRANSNORM 90 FLAT ENDLESS	1	2,337.00	2,337.00	19 C
19799	B4938S9690/18/HV/100	BELT TRANSNORM 90 DEG 18" HELIX VULCANIZED	1	3,239.00	3,239.00	18 C
19823	B5538S6990HV/36/100	BELT TRANSNORM 90 DEG 36" HELIX 5538	1	2,598.00	2,598.00	19 C
19837	B6838S6990HV/45/100	BELT TRANSNORM 90 DEG 45" HELIX (68 x 38)	1	2,250.00	2,250.00	19 C
19879	C-5036 FLAT ROLLER	ROLLER 45 DEG FLAT DRIVE	1	850.00	850.00	28 B
19880	C-5036 FLAT TAIL ROL	ROLLER 90 DEG FLAT TAIL	2	850.00	1,700.00	28 B
19939	GT3A-3AD24	MULTI MODE ELECTRONIC TIMER	6	72.31	433.86	4 F
19942	GV AD0110	AUX. CONTACT 1NO-1NC	5	26.19	130.95	4 D
19967	GV2M07	CIRCUIT BREAKER 3PH 460V 1.6-2.5A	3	98.60	295.80	5 F
19968	GV2M08	CIRCUIT BREAKER 3PH 460V 2.5-4.0A	2	83.60	167.20	5 F
19969	GV2M10	CIRCUIT BREAKER 3PH 460V 4.0-6.0A	2	98.60	197.20	5 F
19970	GV2M14	CIRCUIT BREAKER 3PH 460V 6.0-10.0A	1	103.59	103.59	5 F
19971	GV2M20	CIRCUIT BREAKER 3PH 460V 10.0-16.0A	1	103.84	103.84	5 F
20009	H7EC-NFV-B	COUNTER 120VAC	3	67.60	202.80	5 C

Item No.	User-defined Field 1	Description	OnHand	AvgCost	Extended	Location
20009	H7EC-NFV-B	COUNTER 120VAC	2	67.60	135.20	5 F
20073	HNF361	HEAVY DUTY DICONNECT NON-FUSIBLE(SIEMENS)	1	500.00	500.00	5 B
20117	J1-2000-160	BRACKET REFLECTOR FOR A-B 92-90 SIEMENS	14	36.88	516.32	3 D
20118	J1-2000-168	BRACKET 2 BOLT MOUNTING ASS.	15	18.86	282.90	4 G
20119	J1-2000-179	BRACKET PIER/RUNOUT LANYARD ASSEMBLY W/SWITCH	1	250.00	250.00	5 C
20120	J1-2000-183	BRACKET FOR MICS RECEPTACLE	8	109.50	876.00	4 A
20124	J1-20000-207	BRACKET PHOTOEYE FOR SIEMENS 3RG TYPE	10	20.13	201.30	3 E
20125	J1-20000-212	BRACKET PHOTOEYE SHORTY MERGE	6	17.03	102.18	3 E
20388	LC1-D1210G6	CONTACTOR 12A 3-7.5HP 110-120VAC 1NO AUX	1	81.42	81.42	3 F
20388	LC1-D1210G6	CONTACTOR 12A 3-7.5HP 110-120VAC 1NO AUX	1	81.42	81.42	4 D
20401	LC1DO910G6	CONTACTOR 9A 120VAC 3-POLE IEC	1	55.00	55.00	3 F
20463	FA80DV132M4BMHRTH	SEW-EURO DRIVE MOTOR AND BRAKE ASSY.	1	1,609.71	1,609.71	7 D
20466	FIBER OPTIC CONNECTO	FIBER OPTIC CONNECTORS, SC TYPE	15	16.58	248.70	SHELF 6
20484	M85071W	REDUCER DODGE APG SIZE 3 14:1 140TC	1	1,494.01	1,494.01	14 B
20510	MCS100A	FUSE KIT FOR MCS DISCONNECT SWITCH BOTTOM HALF	2	127.26	254.52	SHELF 5
20511	MCS610R	DISCONNET SWITCH RIGHT 100 AMP 600 V	1	428.24	428.24	3 C
20512	MCS620R	BASIC DISCONNECT SWITCH SIEMENS	1	427.88	427.88	3 F
20522	MDL-8	FUSE 8A 250 VDC (4XH64)	30	1.28	38.40	3 E
20533	MGCA-4	BANNER CONTROLL BOX LIGHT CURTAIN	4	1,137.00	4,548.00	20 A
20534	MGE2416A	BANNER EMITTER HEAD FOR LIGHT CURTAIN	4	1,356.00	5,424.00	20 A
20537	MGR2416A	BANNER RECEIVER LIGHT CURTAIN	6	1,356.00	8,136.00	20 A
20728	OPTICAL FIBER CABLE	FIBER OPTICAL CABLE-62.5/125umW/900 BUFFER	200	8.29	1,658.00	SHELF 9A
20869	P49387/100	PULLEY TAIL TS-1500/100 FLAT IR49" N38"	13	801.30	10,416.90	30
20874	P49387/136/36.25/100	PULLEY TAIL 136 DEG 36.25" HELIX TRANSNORM	1	801.30	801.30	29
20889	P49387/45/12/100	PULLEY TAIL 45 DEG 12 HELIX TRANSNORM	1	801.30	801.30	29
20890	P49387/45/3.25/100	PULLEY TAIL 45 DEG 3.25 HELIX TRANSNORM	1	801.30	801.30	29
20892	P49387/45/8.25/100	PULLEY TAIL 45 DEG 8.25 HELIX TRANSNORM	1	801.30	801.30	29
20893	P49387/46/12.25/100	PULLEY TAIL 46 DEG 12.25 HELIX TRANSNORM	1	801.30	801.30	70
20901	P49387/90/24/100	PULLEY TAIL 90 DEG 24 HELIX TRANSNORM	1	801.30	801.30	29
20928	P49387IO/100	PULLEY DRIVE TRANSNORM 4938 (IN/OUT MOUNT)	1	733.70	733.70	30
20930	P49387IO/136/36.25/1	PULLEY DRIVE TRANSNORM 136 DEG. 36.25"HELI IO	1	802.62	802.62	29
20931	P49387IO/30/8/100	PULLEY DRIVE 30 DEG. 8" HELIX TRASNORM IO	1	802.62	802.62	29
20933	P49387IO/45/12/100	PULLEY DRIVE 45 DEG 12" HELIX TS1500/100	1	802.62	802.62	29
20937	P49387IO/46/12.25/10	PULLEY DRIVE 12.25 HELIX 46 DEG. TRANSNORM	1	802.62	802.62	29
20938	P49387IO/90/12/100	PULLEY DRIVE 12" HELIX 90 DEG. TRANSNORM	1	733.70	733.70	29
20942	P49387IO/90/33.125/1	PULLEY DRIVE I/O 90 DEG 33.125 HELIX 4938	1	82.50	82.50	30
21092	PCV-480B	NAMEPLATE STICKER 480 VAC	6	2.62	15.72	3 F
21093	PCX5EB07	CAT-5E PATCH CABLE BLUE 7 FT	1	10.48	10.48	3 D
21094	PCX5EB10	CAT-5E PATCH CABLE BLUE 10 FT	2	12.66	25.32	5 C
21095	PCX5EB15	CAT-5E PATCH CABLE BLUE 15 FT	1	12.97	12.97	3 F
21121	PHR3-200 TW BBXBB-FR	BELTING 37W HEAVY DUTY	398	17.51	6,968.98	EAST FENCE
21140	PK12GTA	GROUND BAR 12PT	5	8.56	42.80	3 F
21205	LPJ-100SP	FUSE 100A 600V TIME DELAY DUAL ELEMENT	53	12.66	670.98	3 E
21207	LPJ-110SP	FUSE 110A 600V TIME DELAY	10	50.97	509.70	3 E

Item No.	User-defined Field 1	Description	OnHand	AvgCost	Extended	Location
21208	LPJ-125SP	FUSE 125A 600V TIME DELAY DUAL ELEMENT	4	50.97	203.88	3 E
21211	LPJ-150SP	FUSE 150A 600V TIME DELAY DUAL ELEMENT	11	25.85	284.35	3 E
21220	LPJ-30SP	FUSE 30A 600V TIME DELAY DUAL ELEMENT	3	50.00	150.00	5 F
21228	LPJ-80SP	FUSE 80A 600V TIME DELAY	9	23.76	213.84	3 E
21286	SC628AE	ALARM DEVICE 1900 HZ 50-65 DB 6-28V AC/DC	5	46.69	233.45	3 F
21306	SE18	LOVEJOY MERGE PINCH ROLLER TENSIONER	2	50.96	101.92	3 E
21350	SHAFT COVERS	DODGE TIGEAR SHAFT COVERS MISC	12	10.00	120.00	21 C
21381	SLC410 LIGHT CURTAIN	SCHMERSAL LIGHT CURTAIN	1	3,250.00	3,250.00	20 A
21423	SR2P-06	SOCKET 8PIN OCTAL BASE FOR ICE CUBE RELAY	6	8.29	49.74	3 F
21459	T-EP10UL12	EXHAUST GRILLE 10 W/FILTER NEMA 12	2	185.90	371.80	4 D
21460	T-EP4	EXHAUST GRILLE	2	49.94	99.88	4 C
21460	T-EP4	EXHAUST GRILLE	5	49.94	249.70	5 A
21461	T-FP101UL12	FAN PACKAGE 10"	1	756.07	756.07	4 E
21495	TCF10	FUSE 10A CUBE VFD	12	26.35	316.18	3 F
21496	TCF15	FUSE 15A CUBE TYPE CLASS J 600V	11	21.36	234.96	3 F
21497	TCFH30	FUSE HOLDER	13	6.92	89.96	3 F
21811	TL18H150 1210	PULLEY DYN-DYIC 18 TEETH SAME AS TB18H150-1210	5	38.88	194.40	26 A
21814	TL22H150-1610	PULLEY DYNA SYNC (SEE NOTES)	2	48.26	96.52	26 A
21819	TL30H150-2012	PULLEY DYNA SYNC (SEE NOTES)	2	69.96	139.92	26 A
21984	21MHIC147.5 D/F	REDUCER ELECTRA GEAR 7.5:1	6	685.00	4,110.00	-
22019	PVK 125 FS X FS X36"	BELTING 36W GD PVK 125 FS X FS MOD 3 EAST	500	8.96	4,480.00	-
22020	PVK 125 FS X FS-FR 3	BELTING 37W	250	8.31	2,077.50	-
22032	QDC525	BANNER LIGHT CURTAIN CABLE	4	87.00	348.00	20 A
22086	RF1R87487	AIR FILTER 03 CHEVY	1	8.26	8.26	69
22102	RL-00403	LINE REACTOR 460 VAC 5% OPEN CONSTRUCTION	5	71.03	355.15	3 D
22154	ROLLER 36-7/8 X 3-1/	RETURN ROLLER PC 3-1/2IN X 36-7/8IN W SIEMENS	25	55.08	1,377.00	28 C
22185	RSB-4AJ/24P	ENCODER 4 PULSE PER REVOLUTION	6	108.67	652.02	3 C
22189	RSB-5AJ/24P	SENSOR ENCODER CUBE W/1 OUTPUT 3/8 SHAFT	11	148.69	1,635.59	3 C
22235	U2 CLIPPER	LACING CLIPPER STAINLESS	48	0.21	10.08	3 G
22275	UM180-1020 AP	CLUTCH BRAKE UM180-1020 AP (NEW)	2	764.46	1,528.91	24 B
22293	USED 38" X 4"	PULLEY RETURN 4IN DIA X 38IN W	9	173.38	1,560.42	79
23002	E-3PB	PUSHBUTTON ENCLOSURE 3 HOLE	4	47.44	189.76	4 F
40314	3LD9220-3BF	AUXILIARY CONTACT 1NO GOLD FLASH	7	17.82	124.74	1 D

Appendix B City Spare Parts
DEN Spare Parts
Contract #201204994

Item No.	User-defined Field 1	Description	OnHand	AvgCost	Extended	Location
10014	16085	SEAL SHAFT OIL	4	3.25	13.00	31 C
10027	2-17	BEARING INSERT ID 1-7/16 SQUEEZE LOCK	2	59.73	119.46	35 B
10061		VM3558T/UM180 C/B COMBO	1	1.00	1.00	29 C
10066	6018X2"	COUPLING CHAIN HUB 6018 X 2"	3	61.92	185.76	34 C
10067	6018 X 1-11/16"	COUPLING CHAIN HUB 6018 X 1-11/16" BORE	4	61.92	247.68	34 C
10068	42RC-5217	PHOTO SWITCH 42R-5217	2	75.00	150.00	43 D
10094	01E8287	CONNECTOR	40	0.56	22.40	LASER SHOP
10121	0225-18197	REDUCER HUB CITY KIT 210 SPEC KIT	22	197.15	4,337.30	31 B
10125	AL301-0007	CASTER 6700 MU2	2	70.60	141.20	34 C
10136	RBT VBM3615T	RBT VBM3615T MOTOR	4	1.00	4.00	29 C
10184	B4938S6945HV/12/100	BELT TRANSNORM 45 DEG 12" HELIX VULACANIZED	1	1,840.00	1,840.00	17A
10275	1" STRAP	CLAIM 1" NYLON STRAP FOR STEARNS MU UNITS	175	3.00	525.00	35 C
10305	1-7/16 SHAFT	SHAFT 1-7/16 SHAFT W/OUT KEYWAY	5.5	7.74	42.59	FAB AREA
10406	1018672	CODE READER CLV 4906010 SICK REPAIR	2	1,955.25	3,910.50	42 E
10442	105604100BPF	BRAKE STEARNS - BPF	2	411.00	822.00	29 B
10482	108-0548-001	CLAIM SPACER	24	4.95	118.80	35 C
10547	1108 X 1 KW	BUSHING TAPER LOCK 1108 1" KW	2	8.53	17.05	30 C
10597	114-1666-001	ARM LEVER CONV STOP ODD SIZE	20	74.00	1,480.00	33 C
10598	114-1672-001	PUSH PIN CONVEYOR STOP ASSY DUAL ODD SIZE	27	67.50	1,822.50	33 C
10600	114-1701-001	ODDSIZE CONVEYOR DOG STOP SHAFT	8	15.00	120.00	33 C
10629	117076	BUSHING TAPER LOCK 1108 7/8 KEYWAY HSD	4	7.75	31.00	30 C
10631	117080	BUSHING TAPER LOCK 1210 1-1/8 KEYWAY	17	15.00	255.00	31 C
10654	117161	BUSHING TAPER LOCK 1610 1-1/4 KEYWAY	6	15.00	90.00	31 C
10655	117162	BUSHING TAPER LOCK 1610 1-7/16 KEYWAY	16	10.52	168.32	31 C
10719	119226	BUSHING TAPER LOCK 1610 1-7/16 INTEGRAL KEY	28	15.00	420.00	31 C
10748	120428	BUSHING QD SK 1-7/16"	2	35.00	70.00	31 C
10748	120428	BUSHING QD SK 1-7/16"	20	35.00	700.00	S 4 B
10760	1210 3/4" KEY	BUSHING TAPER LOCK 1210 3/4" KEYED	9	15.00	135.00	31 C
11081	14MGT-1120-20	POLY CHAIN FOR HSD	4	85.54	342.14	31 E
11082	14MGT-1190-20	POLY CHAIN GT2 BELT 14MGT-1190-20	2	83.36	166.73	31 E
11083	14MGT-1260-20	POLY CHAIN COGGED GT2 BELT	2	86.25	172.51	31 E
11099	15045T	AIR COMPRESSOR OIL-FREE LASER SHOP	1	185.00	185.00	LASER SHOP
11157	117082	BUSHING TAPER LOCK 1610 7/8 KEYWAY	8	15.00	120.00	31 C
11174	168-87.063	BELT QUEUE 42"BED 87"LG	4	1.00	4.00	8 C
11183	1700H 150	BELT TIMING COGGED HSD	2	88.20	176.40	31 E
11362	18GCT-56C	REDUCER GEAR MORSE 10:1	2	1,100.00	2,200.00	35 D
11366	190130	GROMMET PORTEC	114	0.83	94.24	35 C
11534	1KA42	5/16 X 2-3/4" X 18 HEX SCREW	100	0.22	22.00	STREANS ROOM
11676	VM3558T	MOTOR 2HP 1725RPM 230/460V 3PH 145TC	3	198.57	595.71	28 A
11685	CM3558T	MOTOR 2HP 1750RPM 230/460V 3PH 145TC W/FOOT	1	241.46	241.46	27 C

Item No.	User-defined Field 1	Description	OnHand	AvgCost	Extended	Location
11696	EM3554T	MOTOR 1.5HP 1760RPM 230/460V 3PH 145T SUPER E	2	345.00	690.00	28 A
11733	M3554T	MOTOR 1.5HP 1755RPM 230/460V 3PH 145T	3	189.80	569.40	27 B
11735	M3611T P18A7300	MOTOR 3HP 1750RPM 230/460V 3PH 182T	2	215.00	430.00	27 B
11736	M3615T/00518EP3E184T	MOTOR 5HP 1750RPM 230/460V 3PH 184T W/FOOT	2	211.86	423.72	27 B
11737	VM3611T	MOTOR 3HP 1725RPM 230/460V 3PH 182TC	4	288.05	1,152.20	27 C
11738	M3546T	MOTOR 1HP 1755RPM 230/460V 3PH 143T W/FOOT	3	125.00	375.00	STREAMS ROOM
11739	CM3611T	MOTOR 3HP 1750RPM 230/460V 3PH 182TC W/FOOT	4	300.78	1,203.12	27 C
11739	CM3611T	MOTOR 3HP 1750RPM 230/460V 3PH 182TC W/FOOT	2	300.78	601.56	29 C
11750	BM3611T	MOTOR 3HP 1725RPM 230/460V 3PH 182T BM	1	472.50	472.50	27 B
11754	VEM3587T	MOTOR 2HP 1755RPM 230/460V 3PH 145TC	3	440.97	1,322.91	27 D
11754	VEM3587T	MOTOR 2HP 1755RPM 230/460V 3PH 145TC	5	440.97	2,204.85	28 D
11754	VEM3587T	MOTOR 2HP 1755RPM 230/460V 3PH 145TC	3	440.97	1,322.91	S 1 C
11755	VBM3611T	MOTOR 3HP 1725RPM 230/460V 3PH 182TC BM	3	554.32	1,662.96	28 C
11755	VBM3611T	MOTOR 3HP 1725RPM 230/460V 3PH 182TC BM	2	554.32	1,108.64	S 1 D
11759	CEM3587T	MOTOR 2HP 1755RPM 230/460V 3PH 145TC	2	541.67	1,083.35	27 D
11760	36A01W307	MOTOR 5HP 1675RPM 230/460V 3PH 184T	1	1,100.00	1,100.00	10 C
11777	VEM3665T	MOTOR 5HP 1750RPM 230/460V 3PH 184TC	6	596.84	3,581.04	29 D
11780	VM3710T	MOTOR 7.5HP 1755RPM 230/460V 3PH 213TC	1	307.58	307.58	10 D
11781	VEM3661T	MOTOR 3HP 1760RPM 230/460V 3PH 182TC	2	604.85	1,209.70	S 1 C
11782	VBM3710T	MOTOR 7.5HP 1755RPM 230/460V 3PH 213TC BM	2	1,850.00	3,700.00	STEARNS ROOM
11792	EM3710T	MOTOR 7.5HP 1770RPM 230/460V 3PH 213T SUPER E	1	631.79	631.79	STEARNS ROOM
11819	BM3558T/P14H7302	MOTOR 2HP 1725RPM 230/460V 3PH 145T BM W/FOOT	2	737.92	1,475.85	27 B
11819	BM3558T/P14H7302	MOTOR 2HP 1725RPM 230/460V 3PH 145T BM W/FOOT	2	737.92	1,475.85	28 C
11833	C56A04A19	MOTOR 1.5HP 1725RPM 230/460V 3PH 145T	1	110.00	110.00	8 B
11847	VM3615T	MOTOR 5HP 1725RPM 230/460V 3PH 184TC	12	412.88	4,954.56	28 B
11847	VM3615T	MOTOR 5HP 1725RPM 230/460V 3PH 184TC	1	412.88	412.88	S 1 D
11865	6SE64202UD240BA1	VFD MICROMASTER 420VFD 4HP 460VAC	1	1,004.60	1,004.60	42 C
11922	2023599	SENSOR CLONING MODULE BLOWER CONTROL	4	146.30	585.20	42 E
11924	2030054	SENSOR CLONING MODULE BLOWER CONTROL	3	172.70	518.10	42 E
12205	AL206-06020	CLUTCH BRAKE WRAP SPRING SCB10 CCW L/H HSD	2	3,907.82	7,815.64	30 B
12207	206-07018	CLUTCH BRAKE WRAP SPRING SCB10 CW R/H	2	2,535.64	5,071.29	30 B
12215	207-0338-104	WHEEL 4 X 1.375 GUIDE FLAT PLATE ORANGE	43	13.20	567.60	34 B
12216	207-0338-107	ROLLER 2.5 X 3.25 CARRIER FLAT PLATE BLACK	24	11.00	264.00	34 B
12235	208-0735-101	SKI CLAIM DRIVE CHAIN #80	1	2,768.54	2,768.54	34 C
12236	208-3009-101	DOG PIN WITH GREASE FITTING	31	73.70	2,284.70	34 B
12262	20GCT 56C L-2	REDUCER MORSE 10:1	1	706.89	706.89	35 D
12265	20GCT-56C-L5	REDUCER MORSE 10:1	1	1,000.00	1,000.00	35 D
12360	214-0649-101	ODD SIZE LIFT WHEELS BAE DRIVE	7	125.00	875.00	34 C
12361	214-1025-101	GUIDE WHEEL 2" FOR ODDSIZE TUB GUIDE	10	150.00	1,500.00	33 C
12375	216-1024024	REDUCER HUB CITY #214 B (5:1) 145TC L/H	3	352.79	1,058.38	30 B
12376	216-1024624	REDUCER HUB CITY #214 C (5:1) 145TC R/H	2	343.80	687.60	30 B
12397	220-3208/P2B-SC-012	BEARING DODGE P2BSC012 X 3/4	30	28.95	868.54	30 C
12412	140054	RETURN ROLLER 12" METAL PORTEC	25	20.24	506.00	33 A
12451	226-0409	ROD END ID 3/4 X FEMALE HSD	3	161.77	485.31	30 C

Item No.	User-defined Field 1	Description	OnHand	AvgCost	Extended	Location
12460	229-2201	BEARING 2-BOLT FLANGE ID 1-7/16 SET SCREW	4	17.65	70.60	31 B
12461	229-2202	BEARING 2-BOLT FLANGE ID 1-11/16 LOCKING COLLAR	2	35.87	71.74	31 B
12462	229-2204	BEARING TAKE-UP ID 1-7/16 SET SCREW	9	22.84	205.56	31 B
12489	233-251506	SPROCKET 50 BB 15 TEETH 5/8 HSD	10	21.23	212.30	30 B
12527	23A05H14	REDUCER GEAR TIGEAR 5:1	1	543.28	543.28	38 B
12528	23A05H18	REDUCER TIGEAR 180 5:1	4	985.00	3,940.00	37 B
12529	23A07H14	REDUCER TIGEAR 7.5:1	2	598.15	1,196.29	37 B
12530	23A10H14	REDUCER TIGEAR 10:1	1	642.47	642.47	37 B
12531	23A10H18	REDUCER TIGEAR 180 10:1	4	565.00	2,260.00	37 C
12532	23A15H14	REDUCER GEAR 15:1	4	562.55	2,250.20	37 B
12533	23A20H14	REDUCER GEAR TIGEAR 20:1	5	659.00	3,295.00	37 B
12534	23A20H56	REDUCER GEAR 20:1	1	650.00	650.00	37 C
12654	2510K02	SWITCH MOTOR DISCONNECT 30A 600V SWITCH ONLY	7	86.40	604.80	42 D
12692	257-4129	RETURN ROLLER GS 1" X 29-3/4 TRANSITION PLA	1	22.34	22.34	33 A
12701	25M0761	FUSE BLADE 15A/80V	10	1.87	18.70	43 C
12706	25GSA 145T 20:1	REDUCER 20:1 MORSE	2	800.00	1,600.00	35 D
12707	25GSA 145T 10:1	MORSE REDUCER 10:1	2	934.76	1,869.52	35 D
12708	25GSA 145T 25:1	REDUCER 25:1 MORSE	1	650.00	650.00	35 D
12712	25GSA 145T 5:1	REDUCER 5:1 MORSE	1	1,100.00	1,100.00	35 D
12740	26A15H14	REDUCER 15:1 TIGEAR 2 SIZE 26	4	469.60	1,878.40	37 C
12786	275-00135	SOLENOID AC COIL KIT RH DELTRAN	12	804.58	9,654.96	30 C
12787	275-00136	SOLENOID AC COIL KIT LH DELTRAN	10	804.58	8,045.80	30 C
12791	276002	BORE PLUG FOR THE TIGEAR 23 REDUCER	4	3.83	15.31	31 C
12793	276280	SEAL INPUT C350 TIGEAR (CR12456)	14	14.08	197.12	31 C
12804	280-2060	CHAIN COUPLING CHAIN RC601818 W/MASTER LINK	2	49.21	98.43	34 C
12956	2CB37	3/8 X 1-1/2" X 18 HEX HEAD SCREW	100	0.30	30.00	STREANS ROOM
12965	2D733	EMERY 150-J GRIT 1-1/2"X 50YD	1	45.36	45.36	TECH ROOM
13003	2FMR1	MINIATURE LAMP 6.3V 0.15A E-STOP 755	23	0.88	20.29	32 A
13097	3-115	BEARING INSERT FOR MP-31-MOD HOUSING	1	93.18	93.18	35 B
13098	3-1HT	HIGH TENSILE UNIBAR	10	1.00	10.00	35 B
13129	30 X 6	ROLLER	2	175.00	350.00	STREANS ROOM
13137	300-0401	WHEELS STEARNS BAGGAGE CLAIM MU YELLOW	120	18.15	2,178.00	34 B
13175	30A20H14	REDUCER GEAR TIGEAR 30 20:1	1	700.00	700.00	37 C
13176	30GSA-143TC	REDUCER 13.33:1 MORSE	2	1,100.00	2,200.00	35 D
13178	30GSA-145TC	REDUCER 30:1 MORSE	1	1,000.00	1,000.00	35 D
13179	30GSA-182TC	REDUCER 13.33:1 MORSE	3	1,200.00	3,600.00	35 D
13180	30GSA-184TC	REDUCER 13.33:1 MORSE	1	1,000.00	1,000.00	35 D
13235	334307	TIGEAR 23A COVER O-RING	4	0.89	3.56	31 C
13245	3388 1 A	BEARING ADJUST BRACKET	1	105.00	105.00	33 B
13251	34" ROUGH TOP	BELTING 34W ROUGH TOP INCLINE/DECLINERT-2L	100	11.95	1,194.60	-
13296	35A25H18	REDUCER TIGEAR 25:1	1	700.00	700.00	37 C
13301	35GSA-1.43B	REDUCER 30:1 MORSE	2	1,000.00	2,000.00	35 D
13303	35GSA-143B	REDUCER 15:1 MORSE	1	100.00	100.00	35 D
13307	35MHKIV18200	REDUCER ELECTRA GEAR 20:1	1	2,300.00	2,300.00	38 C

Item No.	User-defined Field 1	Description	OnHand	AvgCost	Extended	Location
13307	35MHIKV18200	REDUCER ELECTRA GEAR 20:1	1	2,300.00	2,300.00	S 2 D
13336	3622-0000	THRUST WASHER FOR FLOW GUIDE WHEELS	11	2.00	22.00	33 C
13402	36EP3306A04	BEARING HOUSING FOR VBM-3615T-3611T	2	41.51	83.03	32 A
13497	3LD2264-OTB53-OUS1	DISCONNECT SWITCH WO/CB	7	63.95	447.68	43 B
13535	13535	REDUCER SEAL INPUT FOR HUB CITY	15	6.28	94.21	31 C
13562	3LD226	SWITCH DISCONNECT BOX COVER SIEMENS	7	25.00	175.00	42 D
13619	3RT1926-1BB00	VARISTOR 24-70 VDC FOR CONTACTOR	1	6.53	6.53	S 4 B
13627	3RV1901-1A	SIEMENS SIDE MOUNTED AUX CONTACT BLOCK 1NC 1NO	7	7.46	52.22	42 D
13635	3RX7922-1A	REFLECTOR POLARIZED 2" SIEMENS	16	14.17	226.69	43 D
13724	4001465	REDUCER 5:1 MORSE	1	1,000.00	1,000.00	35 D
13737	400990	BELT POWERTURN C4838 SP90 DEG SR 231L 24ED	1	2,173.50	2,173.50	STREANS
13739	400991	BELT POWERTURN C4838 SP90 SR 232L 24ED	1	3,178.45	3,178.45	5 D
13764	402497	BELT POWERTURN C4838 FLAT 90 DEG 229L	1	2,188.72	2,188.72	STEARNS
13838	40GSA	REDUCER 25:1 MORSE	1	1,000.00	1,000.00	34 D
13840	40GSA-182T	REDUCER 25:1 MORSE	1	1,000.00	1,000.00	34 D
13865	41162701FW	SEAL DODGE REDUCER C350T OUTPUT	18	20.74	373.23	31 C
13867	41162701GD	SEAL DODGE REDUCER C262T 536358 OUTPUT	6	25.60	153.60	31 C
13868	41164238J	BELLOWS FOR DODGE C 262 REDUCER	3	50.95	152.85	33 C
13977	42LRC-5000	SENSOR PHOTOEYE HEAD RED USE W/42LTB & 42LCB	1	274.56	274.56	S 7 B
13989	430-202140	SQ. HEAD SET SCREW 1/2 X 1/2 1/2 ZP UAL MU STEARNS	8	0.36	2.90	34 C
14101	472636	OIL SEAL	10	5.39	53.90	32 C
14173	4GT99	5/16 X 18 TAP	5	7.35	36.74	STREANS ROOM
14174	4GV02	3/8 X 16 TAP	5	8.79	43.95	STREANS ROOM
14454	503-0216-390	CRESCENT WASHER FOR SKI CLAIM WHEEL	80	3.95	315.92	35 B
14457	503-0219-390	FLAT WASHER THICK FOR SKI CLAIM WHEEL	82	0.52	42.39	35 C
14561	505-0542-001	BUSHING CLAIM FOR DOGS	56	2.77	155.23	35 C
14637	63256	WEAR DISK 63800 MU UAL	113	5.00	565.00	34 B
14638	507-63846	SHORT SUPPORT ROLLER MU 63800 UAL	26	19.52	507.65	34 B
14727	5221-0000	ODDSIZE SMALL GUIDE ROLLERS FOR PFL ODD SIZE	56	8.28	463.68	33 C
14764	52PA8A3K	PUSHBUTTON GREEN	3	14.40	43.20	43 E
14768	52PE2D2A	PUSHBUTTON E-STOP SIEMENS 24V	3	63.00	189.00	43 E
14802	5370-101-042	CLUTCH BRAKE CONDUIT BOX EM/UM	12	35.00	420.00	29 B
14803	5370-111-013	CLUTCH BRAKE FRICTION DISK ARMATURE ASSY	8	110.14	881.14	29 B
14831	540-2038	WARNER HUB SPLINE AIRPORT USES	5	99.65	498.25	29 B
14897	550212	BELT POWERTURN C4838 90 DEG	4	2,188.73	8,754.92	STEARNS
14998	562-0005-385	ODDSIZE SOLENOID	5	103.50	517.50	33 C
15115	5AA18	WINCH 2700 CAP LBS	2	498.47	996.93	10 C
15239	5XL51	56 GAL TRASHBAG 2MILS	2	80.92	161.83	TECH ROOM
15285	60 BTB 20	SPROCKET 60 BTB 20 TEETH 2012	3	36.46	109.39	31 C
15314	600347	POWERTURN RIVET/WASHER W/OUT SCREW	14	0.74	10.32	35 C
15321	60052RSJEM	BEARING GUIDE SKF TRANSNORM GOLF CART	15	5.51	82.67	33 B
15358	6020875	POWER SUPPLY 24VDC 10A 1PH 240W PR FACTOR CORRECT	1	363.00	363.00	42 E
15468	60SDS18	SPROCKET 60 SDS 18 TEETH	4	33.10	132.40	31 C
15469	60SDS20H	SPROCKET 60 SDS 20 TEETH	5	37.30	186.50	31 C

Item No.	User-defined Field 1	Description	OnHand	AvgCost	Extended	Location
15472	60SH16H6	SPROCKET 60 SH 16 TEETH	5	25.00	125.00	31 C
15513	6203 2ZJEM	BEARING SHIELDED BOTH SIDES	11	5.89	64.74	35 B
15517	6205 2RSJEM	BEARING SPHERICAL NOSE ROLLER FOR HSD PADDLE	30	6.31	189.42	30 B
15554	6304-0001	WHEEL ASSEMBLY-5-3/8 STEEL ROLLER BEARING	2	186.00	372.00	30 C
15598	650J6	MICRO-V BELT FOR HSD SERPENTINE	10	8.60	86.00	31 E
15623	6603-20-13	PULLEY DRIVE HEAD HSD	7	104.16	729.11	30 C
15625	6603-20-17	SHAFT MAIN DRIVE HSD	10	71.35	713.50	30 C
15626	6603-20-18	SENSOR SMNS HSD SPROCKET MACHINED	9	61.83	556.47	30 C
15627	6603-20-20	BELT TENSIONER HSD	9	65.00	585.00	30 C
15628	6603-20-22	STANCHION HSD	26	7.50	195.00	30 C
15629	6603-20-23	BELT GUARD HSD	11	45.00	495.00	30 A
15630	6603-20-25	WELDMENT TIE ROD CAM & SPROCKET HSD	4	209.48	837.92	30 C
15632	6603-20-38	IDLER PULLEY ASSY HSD SEE SPEC/ NOTES	1	506.62	506.62	30 C
15634	6603-30-05	ROD CONNECTING HSD	15	20.43	306.45	30 C
15635	6603-30-10	CLUTCH BRAKE SHAFT WELDMENT WRAP SPRING CB-10	2	565.30	1,130.59	30 C
15636	6603-30-12	PULLEY DRIVE WELDMENT HSD	2	324.31	648.63	30 C
15638	6603-30-18	SPROCKET CAM MACHINED HSD SIEMENS	5	90.00	450.00	30 C
15639	6603-30-24	SMNS HSD SPACER IDLER SPROCKET	6	9.31	55.86	30 B
15640	6603-30-28	HSD BOLT PRIMARY CRANK	21	32.33	678.93	30 C
15641	6603-30-29	BEARING HOUSING ASSEMBLY HSD	6	239.26	1,435.56	30 A
15642	6603-30-31	CLUTCH BRAKE BUSHING SUPPORT WRAP SPRING HSD	2	324.41	648.82	30 C
15643	6603-30-32	CLUTCH BRAKE SPACER WRAP SPRING	9	5.50	49.50	30 C
15644	6603-30-34L	PADDLE CHAIN & ROD ASSEMBLY LH HSD	1	139.20	139.20	30 C
15645	6603-30-34R	PADDLE CHAIN & ROD ASSEMBLY RH HSD	2	139.20	278.40	30 C
15646	6603-30-38	KIT IDLER TENSION UNIVERSAL P2B	3	314.53	943.60	30 C
15651	66K8954	CONNECTOR	24	1.41	33.84	LASER SHOP
15652	6700-24	DRIVE CHAIN ASS. CRESCA PLATE MU 6700	1	1,073.17	1,073.17	36 D
15660	67283-6	CLAIM BUMPER STRIPS FOR MU 6' LENGTH	3	200.00	600.00	-
15664	67402	CLAIM DRIVE CHAIN MU	5	1,550.00	7,750.00	STREANS ROOM
15666	67449	CLAIM BUMPER INSERT	10	15.00	150.00	32 B
15807	6J1.94-1108	SHEAVE TAPER LOCK 1108 6J1.94 7/8 HSD	6	13.56	81.36	30 C 1
15808	6J2.24	SHEAVE TAPER LOCK 1108 6J2.24 7/8 HSD	8	13.79	110.32	30 C
16498	802T AP	LIMIT SWITCH OILTIGHT LEVER TYPE 4/13 PLUG-IN	1	45.00	45.00	S 7 B
16528	80BS18	SPROCKET 80 BS CHAIN 18 TEETH 1-15/16"	10	47.37	473.66	32 C
16702	888047	K10/H1 GLUE SIEMENS MERGE BELTS PANG	3	24.12	72.36	7 d
16766	8WD4408-OAB 90	TERMINAL ELEMENT 90 DEG	1	28.80	28.80	43 D
16767	8WD4420-OCB	STROBE LIGHT RED SIEMENS	3	68.54	205.62	43 D
16768	8WD4420-OCD	STROBE LIGHT AMBER SIEMENS	2	68.54	137.08	43 D
16769	8WD4420-OFA	SIEMENS BUZZER ELEMENT FOR STROBE	6	42.39	254.32	43 D
16770	8WD4420-OCE	STROBE LIGHT CLEAR	3	68.54	205.62	43 D
16788	UM180-1020 RBT	RBT UM180-1020 CLUTCH BRAKE	1	1.00	1.00	29 B
17034	924 01072 249	BEI SHAFT ENCODER	1	175.00	175.00	43 C
17177	25GSA 145T 15:1	REDUCER 15:1 MORSE	2	650.00	1,300.00	35 D
17217	9878	REDUCER OIL SEAL INPUT 115SMT15/203SMT25	10	1.94	19.36	31 C

Item No.	User-defined Field 1	Description	OnHand	AvgCost	Extended	Location
17251	9942-A-51	PULLEY FF 3/8L 4 X 50 X 1-7/16	4	65.00	260.00	-
17258	9950-A-51	PULLEY FF 3/8L 6-3/4 X 50 1-7/16	1	65.00	65.00	-
17264	9955-B-51	PULLEY FF 3/8	2	58.00	116.00	STREANS ROOM
17293	A2040CL	MASTER LINK HEAVY FOR BAE DOORS (UST2040 CH	30	0.47	14.10	35 C
17386	AGC-1	FUSE 1A 250VAC FAST-ACTING GLASS	54	0.32	17.28	43 C
17439	AL206-5000	ACTUATOR LEVER	3	15.00	45.00	30 C
17440	AL206-5001	HSD WRAP SPRIING ACTUATOR RETURN ASSY	4	15.00	60.00	30 C
17444	AL206-5025	SOLENOID ADAPTER PLATE L/H HSD	1	88.46	88.46	30 C
17460	AL3RT1024-1BB40	PULLEY DRIVE 38" X 6-3/4 X 1-7/16 MERGE	2	160.17	320.34	S 6B
17461	AL257-9102	FULL LENGTH PINCH ROLLER SIEMENS MERGES	3	153.30	459.90	32 D
17479	6603-20-15	PULLEY SHAFT DRIVE HEAD HSD	4	200.94	803.76	30 C
17485	6603-30-03	SMNS HSD SHAFT CAM SPROCKET	2	280.19	560.38	30 C
17495	AL6700-14	SPACER,SPROCKET 4-9/16 LG 1-7/16 ID MU 6700	6	72.62	435.73	34 C
17497	AL6700-16	SPACER SPROCKET 4-9/16 LG 1-11/16 ID MU 6700	3	45.73	137.18	34 C
17498	AL6700-17	SPACER SPROCKET 7/8 LG 1-11/18 ID MU 6700	8	45.17	361.33	34 C
17499	6700-13	CHAIN TO MAKE A DRIVE CHAIN	1	975.61	975.61	36 C
17611	AX38	V-BELT AX38	29	5.00	145.00	31 E
17633	AX60	V-BELT AX60	10	7.01	70.07	31 E
17636	AX64	V-BELT AX64	7	7.46	52.22	31 E
17647	AX96	V-BELT AX96	10	11.69	116.93	31 E
17836	BB883CN180TC	REDUCER GEAR 30.87:1	2	1,650.00	3,300.00	38 D
17920	402493	BELT POWERTURN 90 DEG RIGHT OR LEFT TURN	1	2,159.85	2,159.85	5 D
17964	C52B2	SWITCH SQUARE-D LIMIT SWITCH	3	82.93	248.79	S 7 B
17974	B62.550S9640FL/140	BELT TRANSNORM 40 DEG FLAT	1	1,200.00	1,200.00	-
17993	CBC150-1	CLUTCH BRAKE RECTIFIER CBC-150-1 90V	5	53.77	268.85	29 B
18015	CF2SB	CAM FOLLOWER 1/2 IN FLAT MU	4	30.57	122.28	33 C
18031	CIMR-G3S401	SAFETYTRONICS VARISPEED INVERTER DRIVE	4	759.62	3,038.48	43 A
18051	CONV-065	SPRING ELASTO	43	6.00	258.00	35 C
18070	CR334277	SEAL TIGEAR OUTPUT SHAFT 23A	15	14.47	216.98	31 C
18123	CYR 1-3/4 S	BEARING V-BELT IDLER CAM FOLLOWER	48	18.50	888.00	30 C
18128	52PE6D9AXX	SENSOR PUSHBUTTON AMBER OVER HIEGHT	5	45.78	228.90	43 E
18138	800T-J69A	KEYSWITCH 3 POSM-M-S	3	154.98	464.94	43 E
18167	9910-4000-0230	BEARING 3 BOLT FLANGE ID 1-7/16	18	21.45	386.10	31 B
18242	6603-30-04	BEARING RETAINER CAP HSD	4	15.87	63.49	30 C
18244	6603-30-09	SPROCKET PLATE ADJ IDLER HSD	6	66.00	396.00	30 B
18246	6603-30-14	HSD VIBRATION BRACKET	8	74.09	592.72	30 C
18247	6603-30-23	BLOCK GUIDE FOR PADDLE CHAIN ASS	10	25.00	250.00	30 C
18264	E-6PBSS	PUSHBUTTON ENCLOSURE 6 HOLE	1	170.00	170.00	42 b
18272	E0090L	BEARING SUPPORT OUTSIDE LEFT	1	105.00	105.00	33 B
18273	E0090R	BEARING SUPPORT OUTSIDE RIGHT	2	105.00	210.00	33 B
18276	E110716	BEARING SOLID JOURNAL WITH BEARING	6	105.00	630.00	33 C
18298	E4938L122.1	BEARING SUPPORT LEFT INSIDE FLAT	1	105.00	105.00	33 C
18299	E4938L122.7	BEARING SUPPORT LEFT INSIDE HELIX	1	105.00	105.00	33 C
18300	E4938L122.9	BEARING SUPPORT LEFT INSIDE HELIX	1	105.00	105.00	33 C

Item No.	User-defined Field 1	Description	OnHand	AvgCost	Extended	Location
18301	E4938L123.6	BEARING SUPPORT LEFT INSIDE HELIX	1	105.00	105.00	33 C
18302	E4938L124.0	BEARING ADJ BRKT LT INSIDE HELIX	1	105.00	105.00	33 C
18303	E4938L124.4	BEARING ADJ BRKT LT INSIDE HELIX	1	105.00	105.00	33 C
18304	E4938R122.1	BEARING SUPPORT RIGHT INSIDE HELIX	1	105.00	105.00	33 C
18305	E4938R122.7	BEARING SUPPORT RIGHT INSIDE HELIX	1	105.00	105.00	33 C
18306	E4938R123.6	BEARING SUPPORT RIGHT INSIDE HELIX	1	105.00	105.00	33 C
18307	E4938R123.9	BEARING SUPPORT RIGHT INSIDE HELIX	1	105.00	105.00	33 C
18308	E4938R124.0	BEARING ADJUST BRKT RIGHT INSIDE HELIX	1	105.00	105.00	33 C
18309	E4938R124.4	BEARING ADJUST BRACKET RIGHT INSIDE FLAT	1	105.00	105.00	33 C
18314	E6838L120.0	BEARING SUPPORT LEFT HELIX	1	105.00	105.00	33 B
18315	E6838L120.3	BEARING SUPPORT LEFT FLAT	1	105.00	105.00	33 B
18316	E6838R120.0	BEARING SUPPORT RIGHT HELIX	1	105.00	105.00	33 B
18317	E6838R120.3	TRANSNORM BEARING SUPPORT RIGHT FLAT OUTSIDE	1	105.00	105.00	33 B
18318	E6844L120.7	BEARING SUPPORT LEFT HELIX	1	105.00	105.00	33 B
18319	E6844L121.9	BEARING SUPPORT LEFT FLAT	1	105.00	105.00	33 B
18320	E6844R120.7	BEARING SUPPORT RIGHT HELIX	1	105.00	105.00	33 B
18321	E6844R121.9	BEARING SUPOORT RIGHT FLAT	1	105.00	105.00	33 B
18323	E7438L117.8	BEARING SUPPORT LEFT HELIX	1	105.00	105.00	33 B
18324	E7438L119.3	BEARING SUPPORT LEFT FLAT	1	105.00	105.00	33 B
18325	E7438R117.8	BEARING SUPPORT RIGHT HELIX	1	105.00	105.00	33 B
18326	E7438R119.3	TRANSNORM BEARING SUPPORT RIGHT FLAT INSIDE	1	105.00	105.00	33 B
18328	E4938R124.2	BEARING ADJ BRKTRH INSIDE HELIX	1	105.00	105.00	33 C
18329	E4938L124.2	BEARING ADJ BRKT LT INSIDE HELIX	1	105.00	105.00	33 C
18436	F4B-SCM-111	BEARING 4-BOLT FLANGE ID 1-11/16	8	78.94	631.49	31 B
18445	FA0003	COUPLING SLEEVE 1 1/8"	6	21.92	131.52	32 C
18446	FA0004	COUPLING SLEEVE 1 3/8" NYLON	6	27.77	166.62	32 C
18447	FA0018	REDUCER HUB 1-1/8"COUPLING MORSE	2	166.34	332.68	32 C
18448	FA0034	REDUCER HUB 1 3/8"	3	121.84	365.51	32 C
18449	FA0063	MOTOR 1-1/8" HUB COUPLER	1	172.12	172.12	32 C
18770	G815131	BUSHING TRANSNORM UPPER GUIDE WHEEL	44	0.00	0.00	33 B
18771	G815132	BUSHING TRANSNORM LOWER GUIDE WHEEL	15	0.00	0.00	33 B
18852	01179	LACING CLIPPER NO.1 UNIBAR STAINLESS 12IN	84	1.00	84.00	3 B
18884	020195	BEADING REPAIR KIT 1500-100 BELT SERIES	39	3.50	136.50	33 C
18904	02100	LACING CLIPPER NONO1 GALVANIZED 12IN	367	1.03	379.48	32 B
18907	02154	LACING CLIPPER NO.2 GALVANIZED 12IN	201	1.24	248.69	32 B
18936	03004-X66	ROLLER SUPPORT 57-1/2 X 3-1/2" UAL ODD SIZE	4	399.00	1,596.00	34 C
18968	NCS065 (05022)	LACING PIN .065 NO.1 CABLE W/LEADER	28	1.32	36.96	35 B
18991	04F6451	SHRINK TUB 1/16 LASER SHOP	100	29.85	2,985.40	LASER SHOP
19003	080020	BUSHING NYLON #4 1/2" OD PORTEC	84	0.61	51.07	35 C
19031	081038	UHMW GUIDE DBL BEVEL 1/4 X 13/16 X 120	16.5	6.38	105.27	16 A
19077	1-7/16 KEYED SHAFT	SHAFT 1-7/16 W/KEYWAY (MEASURED BY FOOT)	6	12.58	75.50	FAB AREA
19083	1/2-UA/LA-GRAY	1/2 SEAL TIGHT GRAY CONDUIT	100	1.10	110.00	32 D
19090	100B 17 1-11/16	SPROCKET 100 RC 17 TEETH 1-11/16	3	125.42	376.27	34 C
19091	100B17 1-7/16	SPROCKET 100 B 17 TEETH 1-7/16	5	105.91	529.54	34 C

Item No.	User-defined Field 1	Description	OnHand	AvgCost	Extended	Location
19168	1210 1-1/8" KEY	BUSHING TAPER LOCK 1210 1-1/8 KEY	12	15.00	180.00	31 C
19169	1210 X 15/16 KW	BUSHING TAPER LOCK 1210 15/16" KEYWAY	7	10.10	70.73	31 C
19171	1210 3/4" KW	BUSHING TAPER LOCK 1210 3/4 03347	13	11.64	151.27	31 C
19215	213-140401300	REDUCER TIGEAR 9.4:1 C200	5	962.07	4,810.35	36 B
19216	140C200T010S1A	REDUCER TIGEAR 10:1 C200	6	1,155.87	6,935.22	36 B
19217	140C200T015S1A	REDUCER TIGEAR 15:1 C200	1	1,068.97	1,068.97	36 B
19218	140C200T018S1A	REDUCER TIGEAR 18:1 C200	1	895.74	895.74	36 B
19219	140C200T020S1A	REDUCER TIGEAR 20:1 C200	1	806.17	806.17	36 B
19220	140C200T025S1A	REDUCER TIGEAR 25:1 C200	4	962.07	3,848.28	36 C
19223	140C262T015S1A	REDUCER TIGEAR 15:1 C262	1	968.55	968.55	36 C
19224	140C262T018S1A	REDUCER TIGEAR 18:1 C262	2	2,099.59	4,199.18	36 C
19225	140C262T020S1A	REDUCER TIGEAR 20:1 C262	1	1,968.38	1,968.38	36 C
19228	140C262T038S1A	REDUCER TIGEAR 38:1 C262	1	1,033.29	1,033.29	36 C
19299	180C262T010S1A	REDUCER TIGEAR 10:1 C262	3	1,202.56	3,607.68	36 C
19300	180C262T015SA1	REDUCER TIGEAR 15:1 C262	1	1,284.85	1,284.85	37 C
19305	180C262T038S1A	REDUCER TIGEAR 38:1 C262	2	1,033.24	2,066.48	37 C
19308	180C350T015S1A	REDUCER TIGEAR 15:1 C350	2	3,295.85	6,591.70	38 D
19309	180C350T018S1A	REDUCER TIGEAR 18:1 C350	3	3,295.85	9,887.55	38 D
19310	180C350T020S1A	REDUCER TIGEAR 20:1 C350	2	3,295.85	6,591.70	38 D
19311	180C350T025S1A	REDUCER TIGEAR 25:1 C350	2	3,295.84	6,591.68	37 D
19312	180C350T038S1A	REDUCER TIGEAR 38:1 C350	2	3,250.00	6,500.00	37 D
19314	166-0101(6908DU)	BEARING WARNER C/B INNER	3	52.82	158.47	29 B
19351	2517 1-7/16" KW	BUSHING TAPER LOCK 2517 1-7/16 KEYWAY	5	25.00	125.00	31 C
19395	30MHIC1420 D/R	REDUCER 20:1 ELECTRA GEAR	1	684.41	684.41	36C
19414	350MHKC1820D/R	REDUCER ELECTRA GEAR 20:1	1	1,500.00	1,500.00	34 D
19414	350MHKC1820D/R	REDUCER ELECTRA GEAR 20:1	1	1,500.00	1,500.00	S 3 D
19418	36" SMOOTH TOP LOAD B	BELTING 36W 2-PLY 220# BARE X BARE SMOOTH TOP	200	14.06	2,811.60	STORES FRONT
19426	339-99003-107N/L	MERGE BELT NOVO NOT LACED	2	714.15	1,428.31	8 B
19455	3RG7241-3CH00	SENSOR PHOTOEYE 10-30VDC BLUE CUBE	4	289.05	1,156.19	43 D
19473	41162701FT (536355)	SEAL DODGE REDUCER C200T CR536355 OUTPUT	14	16.00	223.97	31 C
19475	42SRL-6006-QD	PHOTOEYE 20-264VAC/DC TRANS-BEAM	2	83.58	167.16	S 7 B
19478	42SRR-6006-QD	SENSOR PROX TRANSBEAM RECEIVER 20-264VAC/DC 4-PIN	2	93.00	186.00	S 7 B
19515	500HKC1840 D/RX	REDUCER 40:1 ELECTRA GEAR	1	2,500.33	2,500.33	34 D
19555	6" V BAND ROUGH TOP	BELTING 6" V-GUIDE BELT ROUGH TOP- ODDSIZE LIFTS	129.75	7.09	919.93	STREAMS ROOM
19610	6ES7 972-0DA00-0AA0	PROFIBUS TERMINATING RESISTOR	3	15.00	45.00	43 C
19617	6EP 1931-2DC21	SITOP DC-UPS MODULE	2	369.79	739.57	42 E
19618	6EP 1935-6MD11	SITOP BATTERY MODULE 24V	3	85.00	255.00	43 C
19679	AL620.000624-003	MERGE BELT W/O LACING SIEMENS (NEW)	2	713.00	1,426.01	6 B
19682	AL6SE6400-0AP00-0AA1	ADVANCED OPERATING PANEL (AOP) FOR THE VFD'S	3	378.55	1,135.66	LEADS CABINET
19686	B3750S990HL/24/100	BELT TRANSNORM 90 DEG 24" HELIX	1	3,249.00	3,249.00	-
19687	B3967.5N6990HL/50/14	BELT TRANSNORM 50 DEG HELIX OS UAL	1	2,495.00	2,495.00	6 D
19703	B4938N6930HC/10/100	BELT TRANSNORM 30 DEG 10" HELIX	2	992.00	1,984.00	5 A
19706	B4938S6945HL/6/100	BELT TRANSNORM 45 DEG 6" HELIX	1	1,532.00	1,532.00	5 A
19719	B4938S6930HL/10/100	BELT TRANSNORM 30 DEG 10" HELIX	2	992.00	1,984.00	5 A

Item No.	User-defined Field 1	Description	OnHand	AvgCost	Extended	Location
19721	B4938S6945HL/11/100	BELT TRANSNORM 45 DEG 11" HELIX LACED	1	1,465.20	1,465.20	5 A
19722	B4938S6945HL/12/100	BELT TRANSNORM 45 DEG 12" HELIX LACED	1	1,840.43	1,840.43	5 A
19729	B4938S6990HL/17.5/10	BELT TRANSNORM 90 DEG 17.5 HELIX	2	2,300.00	4,600.00	5 C
19732	B4938S9630FL/100	BELT TRANSNORM 30 DEG FLAT 500156	2	992.00	1,984.00	5 D
19734	B4938S5890HL/9/100	BELT TRANSNORM 90 DEG 9"HELIX (901126)	1	1,823.00	1,823.00	5 C
19737	B4938S6990HL/23/100	BELT TRANSNORM 90 DEG 23" HELIX	2	3,285.00	6,570.00	5 C
19740	B4938S6990HL/36/100	BELT TRANSNORM 90 DEG 36"HELIX	2	3,250.00	6,500.00	5 C
19741	B4938S6990HL/47/100	BELT TRANSNORM 90 DEG 47" HELIX UAL	2	3,800.00	7,600.00	5 B
19749	B4938S9645FL/100	BELT TRANSNORM 45 DEG FLAT (802453)	2	1,685.20	3,370.40	8 B
19765	B4938S9650FL/100	BELT TRANSNORM 50 DEG FLAT	1	1,550.00	1,550.00	5 B
19787	B4938S9690HL/22/100	BELT TRANSNORM 90 DEG 22" HELIX	2	2,325.75	4,651.50	5 C
19828	B6438N6930HC/13/100	TRANSNORM 30 DEG 13"HELIX UAL	1	1,245.20	1,245.20	5 A
19830	B67.550S9645FL/140	BELT TRANSNORM 45 DEG FLAT LACED (67.5 x 55)	2	3,245.00	6,490.00	6 D
19831	B67.550S9650FL/140	BELT TRANSNORM 50 DEG FLAT (67.5 x 55)	1	2,300.00	2,300.00	6 D
19832	B67.550S9690FL/140	BELT TRANSNORM 90 DEG FLAT (67.5 x 55)	2	2,350.00	4,700.00	6 D
19833	B67.550S9690HL/36/14	BELT TRANSNORM 90 DEG 36" HELIX	1	4,238.00	4,238.00	6 D
19834	B67.559S6990HL/36/14	TRANSNORM 90 DEG 36" HELIX	1	3,250.00	3,250.00	-
19836	B6838S9490H/17.5/100	TRANSNORM BELT 90 DEG 17.5 HELIX (68 x 38)	1	2,506.00	2,506.00	5 D
19842	B7438S5890HL/47/100	BELT TRANSNORM CLAIMS 2,5,8 AND 18 (901214)74X38	1	2,575.00	2,575.00	-
19899	CNHM02-4085YA-B-433	MOTOR AND REDUCER SM-CYCLO SUMITOMA	2	522.01	1,044.02	8 B
19956	GV2-AN20	AUX CONTACT 2 NO	14	0.00	0.00	43 G
19998	EM3558T	MOTOR 2HP 1725RPM 230/460V 3PH 145T SUPER E	2	235.00	470.00	27 D
20092	HV40A076Z8B	REDUCER 30:1 CONE DRIVE	1	3,224.43	3,224.43	8 D
20131	J60100-3CR	FUSEHOLDER 600V 100A (BUSS) 4XF49	2	92.46	184.91	43 B
20318	KP23B-FS464	BEARING TORRINGTON KP23BFS464 HSD 223-9823	8	88.34	706.72	30 C
20319	KP47B	BEARING	4	111.27	445.06	30 C
20320	KP47BFS464	BEARING BALL ID 1-7/16 X OD 2-3/16 X 3/8 HSD	4	111.27	445.08	30 C
20337	L-075 .875	COUPLING HUB JAW 7/8IN LOVEJOY 0.875"	3	15.35	46.05	32 C
20339	L-099 1.125	LOVEJOY HUB 1.125	15	12.45	186.75	32 C
20341	L-100 .875	LOVEJOY HUB .875	1	15.50	15.50	32 C
20345	L075 WITH 7/8" HOLE	WOODS COUPLING SPIDER BUNA-N W/ 7/8" HOLE	10	3.69	36.85	32 C
20346	L075WO/H	LOVEJOY SPIDER W/O HOLE	8	3.29	26.31	32 C
20347	L-090.875	7/8" HUB LOVEJOY	7	4.55	31.85	32 C
20348	L090/095	SPIDER 7/8" LOVEJOY	10	4.76	47.63	32 C
20353	L099100N	MARTIN RUBBER SPIDER INSERT	5	9.13	45.65	32 C
20449	E8/2UO/V15 LG-FR 49W	BELTING 49W LG GROOVE FOR UAL ODDSIZE	186	17.50	3,255.00	NORTH OF WARREN
20450	E8/2UO/V5H MT-FR 37"	BELTING 37W SMOOTH TOP	260	12.67	3,294.20	STREAMS ROOM
20471	FLEXAM 10/2 0 FR	BELTING 38.5W QUEUE	41.5	11.65	483.43	STORES FRONT
20484	M85071W	REDUCER DODGE APG SIZE 3 14:1 140TC	1	1,494.01	1,494.01	38 C
20486	M85094	REDUCER 25.6:1 APG3	1	1,650.00	1,650.00	38 C 4 C
20547	80B19H	SPROCKET 1-11/16" SKI CLAIM DRIVE KEYED ALIKE	4	83.96	335.85	32 C
20577	MP-31	BEARING ID 1-15/16 SEALMASTER	5	71.45	357.23	34 C
20708	NYS065-C	LACING PIN NO.1 NYLON CABLE W/O LEADER	1171	0.42	487.10	32 B
20709	NYS093-C	LACING PIN NO.2 NYLON CABLE W/O LEADER	791	0.47	374.40	32 B

Item No.	User-defined Field 1	Description	OnHand	AvgCost	Extended	Location
20998	G120024	MOTOR 1HP 1745RPM 460V 3PH 143TC HSD (LEESON)	1	254.46	254.46	7 A
21047	P67.5507I/140	PULLEY 45 DEG FLAT INSIDE DRIVE	1	916.30	916.30	30
21048	P67.5507O/90/140	PULLEY OUTSIDE DRIVE RAD 67.5 WITH 50" OS UAL	1	833.00	833.00	STREANS ROOM
21189	LOCKING COLLARS	LOCKING COLLARS USED	3	2.50	7.50	31 B
21303	SDS 1-7/16"	BUSHING QD SDS 1-7/16"	14	11.58	162.16	31 B
21306	SE18	LOVEJOY MERGE PINCH ROLLER TENSIONER	4	55.39	221.56	34 B
21326	SF 1-11/16"	BUSHING QD SF 1-11/16"	2	24.94	49.87	31 C
21337	SFT-27	BEARING 2-BOLT STD ID 1-11/16	5	59.10	295.50	34 C
21348	SHAFT 1-15/16 KEYED	SHAFT 1-15/16 KEYED 1/2"	12	20.93	251.20	FAB AREA
21351	SHC-634	LUBE MOBILE SYNTHETIC	175	4.92	860.55	OIL STORAGE
21400	SP18	ROLLER METAL PORTEC 15"	1	20.24	20.24	33 A
21407	SPC15276	DB25 RECEPTACLE	24	1.43	34.32	-
21408	SPC15425	DB25 SHELLS	24	1.11	26.66	-
21409	SPC15438	DB15 PLASTIC COVER	12	1.32	15.84	-
21410	SPC15476	DB9 PLASTIC COVER	24	1.26	30.36	-
21411	SPC15477	DB9 RECEPTACLE	24	3.01	72.34	-
21412	SPC20348	DB9 RIGHT ANGLE CLOSED	12	7.24	86.86	-
21425	SS36	316 SS UNIBAR	43	1.20	51.60	35 B
21426	SSF-23	BEARING 3 BOLT 1-7/16	4	105.00	420.00	36 A
21431	ST-23	BEARING SET SCREW TAKE-UP STD 1-7/16"	43	65.94	2,835.42	36 A
21495	TCF10	FUSE 10A CUBE VFD	9	25.00	225.00	43 C
21813	TL20H150-1210	PULLEY DYNA SYNC (SEE NOTES)	4	56.00	224.00	30 B
21816	TL24H150-1210	DYNA-SYNC PULLEY	3	52.63	157.90	30 B
21818	TL28H150-2012	PULLEY DYNA SYNC SAME AS TB28H150 (SEE NOTES)	13	65.60	852.83	30 B
22077	RCJ-1-7/16	BEARING 4-BOLT ID 1-7/16 FAFNIR	4	105.00	420.00	31 B
22174	RS-60 RIV	CHAIN ROLLER #60	20	11.00	220.00	S 4 B
22178	RS50 CHAIN	CHAIN #50 10 FT	2	86.00	172.00	35 B
22184	RSB-3AJ/24P	ENCODER 3 PULSE	3	60.00	180.00	43 C
22189	RSB-5AJ/24P	SENSOR ENCODER CUBE W/1 OUTPUT 3/8 SHAFT	4	135.00	540.00	43 C
22221	S10PP2	BEARING TORRINGTON BALL S10PP2 HSD	15	39.43	591.40	30 C
22234	TXT3258T	REDUCER 24.74:1 TXT 325	2	1,600.00	3,200.00	38 C
22239	U2S12	430 SS UNIBAR	73	1.00	73.00	35 B
22250	UAL QB 38.5X243	UAL REG BELT QUEUE 38.5"WD 243"LG	1	250.00	250.00	8 C
22251	UAL QB 49X252	UAL O/S BELT QUEUE 49"WD 124.5"BD 252"LG	2	345.00	690.00	STEARNS ROOM
22252	UAL QB 50.5X125	UAL O/S BELT QUEUE 50.5"WD 125"LG	1	250.00	250.00	6 C
22253	UAL QB 50.5X126.5	UAL O/S BELT QUEUE 50.5"WD 126.5"LG	1	250.00	250.00	6 C
22254	UAL QB 50.5X87.063	UAL O/S BELT QUEUE 50.5"WD 87-1/16"LG	1	250.00	250.00	6 C
22255	UAL QB 60.5X123	UAL O/S BELT QUEUE 60.5"WD 123"LG	1	250.00	250.00	6 C
22257	UC207-23	BEARING INSERT FOR 3-BOLT FLANGE ID 1-7/16 PORTEC	4	13.28	53.11	32 C
22275	UM180-1020 AP	CLUTCH BRAKE UM180-1020 AP (NEW)	2	602.79	1,205.58	29 B
22277	UM210-1020	CLUTCH BRAKE 5 HP 90 V (UM210)	4	1,394.81	5,579.23	29 B
22278	UMC36SS12	LACING CLIPPER UNIBAR STAINLESS 12IN	24	1.20	28.80	35 B
22371	WSC-ASSY-L	WRAP SPRING CLUTCH ASSY LEFT	1	5,500.00	5,500.00	30 B
22372	WSC-ASSY-R	WRAP SPRING CLUTCH ASSY RIGHT	1	5,500.00	5,500.00	30 B

Item No.	User-defined Field 1	Description	OnHand	AvgCost	Extended	Location
22407	6ES7 971-0BA00	BATTERY LITHIUM FOR SIEMENS PLC'S	10	8.79	87.89	43 D
22429	YAR 207-107-2F	BEARING INSERT FOR MK-154N PORTEC	9	22.18	199.64	31 B
22554	208-0310-101	SET COLLAR FOR SK DOG/PIVOT	31	10.46	324.29	34 B
22890	AL52RA4P9	SIEMENS PILOT LIGH PLASTIC LENS-AMBER	10	2.95	29.48	43 E
22913	HK6020	BEARING HK6020 DRAWN CUP NEEDLE WSC	1	17.33	17.33	30 B
22914	SCE3616	INC SCE3616 CAGE NEEDLE BEARING WSC	1	17.38	17.38	30 B
23001	020196	BEADING REPAIR KIT 1500-140 BELT SERIES UAL	30	7.00	210.00	33 B
23002	E-3PB	PUSHBUTTON ENCLOSURE 3 HOLE	2	47.44	94.88	43 E
26380	26380	SHOULDER BOLT 5/8 X 3-3/4 X1/2-13	23	7.25	166.83	35 C
40279	6EM	COUPLING QUADRA FLEX MARTIN 6EM	3	25.27	75.81	32 C
40296		RBT 23A07H14 TIGEAR REDUCER 7.5:1	1	1.00	1.00	37 B
40303		RBT C200 TIGEAR REDUCER 20:1	1	1.00	1.00	36 B
40305		RBT C350 TIGEAR REDUCER 15:1	1	1.00	1.00	38 D
40309		RBT R/H WRAP SPRING CLUTCH ASSY	1	1.00	1.00	30 B
40313	RBT VBM3558T	RBT VBM3558T MOTOR	1	1.00	1.00	28 C
40317	RBT VBM3611T	RBT VBM3611T MOTOR	2	0.01	0.02	28 C

Appendix B City Spare Parts
DEN Spare Parts
Contract #201204994

Item No.	User-defined Field 1	Description	OnHand	AvgCost	Extended	Location
10070	P55387/90/36/100	PULLEY TAIL 90 DEG 36" HELIX TRANSNORM	1	801.30	801.30	-
10086	HA261234	SWITCH HEAVY DUTY DISCONNECT AUXILLARY CONTACT	1	103.20	103.20	-
10113		MODIFIED HSD VERTICAL BELT	58	81.25	4,712.34	27 D
10403	1017866	CONTROLLER OTC400-0000 SICK	1	1,552.10	1,552.10	22 A
10645	117113	BUSHING TAPER LOCK 3020 1-11/16 KEYWAY	1	85.00	85.00	-
10954	1419A	CABLE SERIAL CABLE-RS422	100	0.82	82.00	6 C
10984	1492-EB3	END BARRIER FOR 1492-W4 TERMINAL BLOCKS	31	0.02	0.62	6 D
11122	1585A	ETHERNET CABLE -CAT 5E ITEM # 323	50	0.82	41.00	6 C
11175	1688845	D-SUB 9 CONTACT CARRIES	1	25.00	25.00	6 C
11176	1689145	CONTACT INSERTS W/PUSH PULL LOCKING	2	25.00	50.00	6 F
11493	1D1N105QST	TRANSFORMER ENCAPSULATED 240/480-120/	1	213.86	213.86	22 C
11675	VM3546T	MOTOR 1HP 1725RPM 230/460V 3PH 143TC HSD	2	255.30	510.60	7 C
11676	VM3558T	MOTOR 2HP 1725RPM 230/460V 3PH 145TC	6	240.45	1,442.70	7 C
11685	CM3558T	MOTOR 2HP 1750RPM 230/460V 3PH 145TC W/FOOT	2	238.16	476.32	7 B
11737	VM3611T	MOTOR 3HP 1725RPM 230/460V 3HP 182TC	3	0.00	0.00	8 C
11754	VEM3587T	MOTOR 2HP 1755RPM 230/460V 3PH 145TC	3	440.97	1,322.91	14 C
11777	VEM3665T	MOTOR 5HP 1750RPM 230/460V 3PH 184TC	3	596.84	1,790.52	23 D
11778	VBM3558T	MOTOR 2HP 1725RPM 230/460V 3PH 145TC BM	1	722.82	722.82	8 B
11837	BM3554T	MOTOR 1.5HP 1740RPM 230/460V 3PH 145T BM	3	647.32	1,941.96	7 A
11847	VM3615T	MOTOR 5HP 1725RPM 230/460V 3PH 184TC	7	412.38	2,886.66	8 B
11865	6SE64202UD240BA1	VFD MICROMASTER 420VFD 4HP 460VAC	1	1,004.60	1,004.60	6 E
12163	2025-L	BRACKET SHORTY MERGE REFLECTOR	2	38.13	76.26	4 C
12164	2025-R	BRACKET FORTY MERGE RIGHT	1	38.13	38.13	6 E
12460	229-2201	BEARING 2-BOLT FLANGE ID 1-7/16 SET SCREW	3	17.18	51.55	23 B
12461	229-2202	BEARING 2-BOLT FLANGE ID 1-11/16 LOCKING COLLAR	19	35.87	681.53	22 B
12462	229-2204	BEARING TAKE-UP ID 1-7/16 SET SCREW	30	22.83	684.90	14 B
12527	23A05H14	REDUCER GEAR TIGEAR 5:1	4	561.00	2,244.00	11 B
12530	23A10H14	REDUCER TIGEAR 10:1	3	642.47	1,927.40	11 B
12531	23A10H18	REDUCER TIGEAR 180 10:1	7	565.00	3,955.00	11 B
12532	23A15H14	REDUCER GEAR 15:1	5	562.55	2,812.75	11 B
12566	2413C	SHAFT ENCODER CABLE MCP TO FIELD	1	1.66	1.66	6 C
12715	260-0716	BUSHING TAPER LOCK 2517 1-1/4 KW	1	85.00	85.00	-
12730	264-0219	BUSHING KIT TIGEAR C262 X 1- 7/16	4	73.42	293.68	36 B
12740	26A15H14	REDUCER 15:1 TIGEAR 2 SIZE 26	2	469.04	938.08	12 B
12810	282-1035-307	CHN ENDLESS LOOP35 PX 307W/OFFSET	2	28.42	56.84	27 B
13175	30A20H14	REDUCER GEAR TIGEAR 30 20:1	2	650.00	1,300.00	19 D
13256	340-11008	LACING PIN .065 NYLON CABLE W/LEADER	375	1.45	543.75	6 F
13599	3RH1122-1AK60	RELAY CONTROL 1.100A @24VDC 4POLE (2NO-2N	7	14.40	100.80	1 C

Item No.	User-defined Field 1	Description	OnHand	AvgCost	Extended	Location
13604	3RH1911-1FA40	AUX CONTACT BLOCK 4 POLE (4NO)	18	8.72	156.96	6 F
13620	3RV1021-1CA10	MOTOR STARTER PROTECTOR 1.8-2.5A	7	33.34	233.38	6 D
13621	3RV1021-1DA10	MOTOR STARTER PROTECTOR 2.2-3.2A	12	33.34	400.08	6 D
13622	3RV1021-1EA10	MOTOR STARTER PROTECTOR 2.8-4A	19	33.34	633.46	6 D
13623	3RV1021-1FA10	MOTOR STARTER PROTECTOR 3.5-5A	15	33.34	500.10	6 E
13624	3RV1021-1HA10	MOTOR STARTER PROTECTOR 5.5-8A	12	33.34	400.08	6 D
13625	3RV1021-1KA10	MOTOR STARTER PROTECTOR 9-12.5A	1	105.00	105.00	6 C
13626	3RV1021-OJA10	MOTOR STARTER PROTECTOR 0.7-1.0A	3	33.34	100.02	6 D
13631	3RW3035-1AB14	SIEMENS SOFT START 32 AMP 20 HP	1	500.00	500.00	5 E
13637	3SE3170-1UW	LIMIT SWITCH ADJUSTABLE ROLLER ARM	2	1.98	3.96	6 D
14025	450-0711	EXTENSION NUT HEX COUPLING 1/2" X 13- X 1	25	0.03	0.75	-
14062	452CR	F.D. BOX 1/2" THREAD DIA. YELLOW	13	28.59	371.67	-
14403	5001070	BLOWER FAN W/CABLE 120VDC SICK	3	420.00	1,260.00	6 D
14772	52PE6D5A	ILLUMINATED MOMENTARY PUSHBUTTON BL	10	45.78	457.80	6 D
14779	52SA2BCB	SELECTOR SWITCH SHORT LEVER 3-POS M	2	19.56	39.12	6 D
15132	5DB20	ROLL PIN 3/8" X 1-1/2" REPLACES 64311	5	6.92	34.60	6 B
15264	6" V-BAND	BELTING 6" V-GUIDE BELT - ODDSIZE LIFTS	20	3.27	65.34	FLOOR
15359	6020893	BMH 10-0111 RS232 TO PROFIBUS-CONVERTER	4	960.00	3,840.00	6 A
15365	6021165	ATR CAN CABLE (3 METERS)	5	50.70	253.50	6 B
15368	6024931	CONVERTER DUAL RS232 TO ETHERNET SICK	4	533.20	2,132.80	6 A
15369	6027647	Y-CABLE TO EEPROM 0.4M SICK	7	58.65	410.55	6 C
15539	63-23-150-8	TRANSFORMER MINI/MICRO COMPUTER REGULATOR	1	710.44	710.44	22 C
15543	63-23-220-8	TRANSFORMER SOLA SIEMENS 2KVA	1	1,840.12	1,840.12	25 D
15630	6603-20-25	WELDMENT TIE ROD CAM & SPROCKET HSD	2	106.20	212.40	26 B
15631	6603-20-30	VERTICAL BELT W/V-GUIDE HSD SIEMENS	6	77.98	467.87	26 D
15644	6603-30-34L	PADDLE CHAIN & ROD ASSEMBLY LH HSD	3	139.20	417.60	26 B
15952	B4938S69135HL/43/100	BELT TRANSNORM 136 DEG 43" HELIX	1	4,500.00	4,500.00	17 D
16090	A-TEMNO	SWITCH N.O. TEMP CONTROL	1	40.50	40.50	-
16505	802T-K	LIMIT SWITCH PUSH VERTICAL	2	100.60	201.20	6 B
16575	84647-0010	MALE CORD CAP W/ATTACHMENT CHAIN	2	16.19	32.38	6 C
16576	84647-0011	MOLEX MINI-C SMALL DUST CAP RECEPACLE	14	16.58	232.12	6 B
16679	871A-BRN18	MOUNTING BRACKET ALLEN BRADLEY #871ABRN18	3	10.69	32.07	6 E
16764	8WD4408-OAB	TERMINAL BASE ELEMENT	10	2.20	22.00	6 E
16767	8WD4420-OCB	STROBE LIGHT RED SIEMENS	5	68.54	342.70	6 E
16768	8WD4420- OCD	STROBE LIGHT AMBER SIEMENS	7	68.54	479.78	6 E
16770	8WD4420-OCE	STROBE LIGHT CLEAR	8	68.54	548.32	6 E
17095	9467-05-39-212	BELT QUEUE 53"BED 109"LG	1	225.00	225.00	16 A
17097	9467-05-39-233	BELT QUEUE 58.25" BED 119.5" LG	1	230.00	230.00	16 A
17105	9467-05-39-259	BELT QUEUE 64.75" BED 132.5" LG	1	139.44	139.44	16 A
17113	9467-05-39-295	BELT QUEUE 73.75" BED 150.5" LG	1	250.00	250.00	16 A
17128	9467-ELS-240	BELT QUEUE 60" BED 123.0" LG	1	231.96	231.96	14 A
17140	9487-05-39-212	BELT QUEUE 49.5"WD 53.0"BED 109"LG	1	239.00	239.00	-

Item No.	User-defined Field 1	Description	OnHand	AvgCost	Extended	Location
17191	9751-5PB	5 HOLE STAINLESS PLATE	1	88.00	88.00	6 F
17249	9940-A-51	PULLEY FF 3/8L 4 X 50 X1- 7/16"	8	85.00	680.00	-
17250	9942-A-39	PULLEY TAKE-UP 4IN DIA X 38IN W-1-7/16 FL	4	63.76	255.04	-
17251	9942-A-51	PULLEY FF 3/8L 4 X 50 X 1-7/16	1	65.00	65.00	-
17252	9943-A-39	PULLEY FF 8.75" X 38" 1-11/16 SHAFT	2	74.01	148.02	28 B
17253	9943-A-51	PULLEY 3/8L 8-3/4 X 50 1-11/16" FF	1	65.00	65.00	28 B
17258	9950-A-51	PULLEY FF 3/8L 6-3/4 X 50 1-7/16	1	65.00	65.00	-
17285	A-SPBSS	HOFFMAN ELECTRICAL ENCLOSURE	4	10.80	43.20	6 C
17461	AL257-9102	FULL LENGTH PINCH ROLLER SIEMENS MERGES	10	210.73	2,107.27	30 E
17469	AL3RT1024-1BB40	CONTACTOR	25	28.88	722.00	6 D
17921	401198	BELT POWERTURN C5036 SP180 DEG	1	4,366.73	4,366.73	N OF WRNTY CAGE
17966	C6-3-10	CABLE ASSY 6-PIN CONDUCTOR 10FT FOR SHAFT ENCODER	10	28.75	287.50	6 F
18429	F40DX	LIGHT BULB 4 FT 120VAC	10	0.02	0.20	-
18509	FLN-R 15 AMP	FUSE 15A 250V TIME DELAY - FLN-R-15	9	1.63	14.67	-
18609	FRN-R-1	FUSE 1A 250V TIME DELAY	5	3.42	17.10	-
18611	FRN-R-10	FUSE 10A 250VAC TIME DELAY DUAL ELEMENT RK5	12	2.59	31.08	6 B
18623	FRN-R-5	FUSE 5A 250VAC TIME DELAY DUAL ELEMENT RK5	3	1.63	4.89	F 5
18884	020195	BEADING REPAIR KIT 1500-100 BELT SERIES	240	3.50	840.00	STREAMS ROOM
19215	213-140401300	REDUCER TIGEAR 9.4:1 C200	1	962.07	962.07	12 B
19216	140C200T010S1A	REDUCER TIGEAR 10:1 C200	11	1,155.87	12,714.57	12 B
19217	140C200T015S1A	REDUCER TIGEAR 15:1 C200	2	1,068.97	2,137.94	12 B
19218	140C200T018S1A	REDUCER TIGEAR 18:1 C200	2	806.17	1,612.34	13 B
19219	140C200T020S1A	REDUCER TIGEAR 20:1 C200	3	806.17	2,418.51	13 B
19221	140CC262T009S1A	REDUCER TIGEAR 9.4:1 C262	1	962.07	962.07	11 C
19222	140C262T010S1A	REDUCER TIGEAR 10:1 C262	1	968.55	968.55	11 C
19223	140C262T015S1A	REDUCER TIGEAR 15:1 C262	1	968.55	968.55	11 C
19224	140C262T018S1A	REDUCER TIGEAR 18:1 C262	2	2,099.59	4,199.18	11 C
19225	140C262T020S1A	REDUCER TIGEAR 20:1 C262	1	1,968.38	1,968.38	11 C
19226	140C262T025S1A	REDUCER TIGEAR 25:1 C262	1	2,231.16	2,231.16	12 C
19228	140C262T038S1A	REDUCER TIGEAR 38:1 C262	1	1,033.29	1,033.29	12 C
19299	180C262T010S1A	REDUCER TIGEAR 10:1 C262	3	1,202.56	3,607.68	12 C
19300	180C262T015SA1	REDUCER TIGEAR 15:1 C262	4	1,284.85	5,139.40	12 C
19301	180C262T018S1A	REDUCER TIGEAR 18:1 C262	4	1,202.56	4,810.24	13 C
19302	180C262T020S1A	REDUCER TIGEAR 20:1 C262	1	1,156.37	1,156.37	13 C
19303	180C262T025S1A	REDUCER TIGEAR 25:1 C262	1	1,156.37	1,156.37	13 C
19304	180C262T030S1A	REDUCER TIGEAR 30:1 C262	2	988.00	1,976.00	13 C
19306	180C350T009S1A	REDUCER TIGEAR 9.4:1:1 C350	2	3,295.85	6,591.70	18 D
19307	180C350T010S1A	REDUCER TIGEAR 10:1 C350	2	3,295.85	6,591.70	18 D
19309	180C350T018S1A	REDUCER TIGEAR 18:1 C350	4	3,295.89	13,183.56	13 D
19309	180C350T018S1A	REDUCER TIGEAR 18:1 C350	1	3,295.89	3,295.89	14 D
19310	180C350T020S1A	REDUCER TIGEAR 20:1 C350	3	3,295.85	9,887.55	14 D
19311	180C350T025S1A	REDUCER TIGEAR 25:1 C350	1	3,295.84	3,295.84	18 D

Item No.	User-defined Field 1	Description	OnHand	AvgCost	Extended	Location
19312	180C350T038S1A	REDUCER TIGEAR 38:1 C350	1	3,250.00	3,250.00	19 D
19425	339-99003	MERGE BELT NOVO LACED	2	600.00	1,200.00	16 B
19451	3LD2264-2TW53-OUS1	DISCONNECT SWITCH W/CB	3	57.56	172.68	4 G
19594	6ES7 153-1AA03-0XB0	SLAVE INTERFACE MODULE	5	532.00	2,660.00	6 E
19595	6ES7 321-1BH02-0AA0	DIGITAL INPUT MODULE	5	1,399.98	6,999.90	6 B
19596	6ES7 321-1FH00-0AA0	MODULE INPUT 120VAC 16 PT	1	232.72	232.72	6 B
19597	6ES7 322-1BH01-0AA0	DIGITAL OUTPUT MODULE	5	363.58	1,817.90	6 B
19598	6ES7 322-1FH00-0AA0	MODULE OUTPUT 120VAC 16PT	1	385.30	385.30	6 C
19599	6ES7 322-5FF00-0AB0	DIGITAL OUTPUT MODULE	5	480.00	2,400.00	6 B
19608	6ES7 972-0BA41-0XA0	RS 485 BUS CONN. WITHOUT PG INTERFACE	5	1.98	9.90	-
19610	6ES7 972-0DA00-0AA0	PROFIBUS TERMINATING RESISTOR	4	15.00	60.00	6 B
19616	6EP 1436-2BA00	POWER SUPPLY 3 PHASE 400/440/480 V	1	314.90	314.90	6 E
19713	B4938S5890HC/31.125/	BELT TRANSNORM 90 DEG 31.125"HELIX (409111)	1	2,304.50	2,304.50	17 C
19715	B4938N96180FL/100	BELT TRANSNORM 180 DEG FLAT LACED	1	3,495.00	3,495.00	16 D
19722	B4938S6945HL/12/100	BELT TRANSNORM 45 DEG 12" HELIX LACED	1	1,840.43	1,840.43	16 D
19727	B4938S6960HL/16/100	BELT TRANSNORM 60 DEG 16" HELIX	1	1,797.40	1,797.40	17 A
19738	B4938S6990HL/24/100	BELT TRANSNORM 90 DEG 24"HELIX (602227)	1	2,581.70	2,581.70	17 A
19739	B4938S6990HL/30/100	BELT TRANSNORM 90 DEG 30" HELIX (901356)	1	2,581.70	2,581.70	17 A
19744	B4938S96120FL/100	BELT TRANSNORM 120 DEG FLAT LACED	2	2,701.00	5,402.00	17 D
19769	B4938S9660FL/100	BELT TRANSNORM 60 DEG FLAT	1	2,700.00	2,700.00	17 C
19771	B4938S9690FL/100	BELT TRANSNORM 90 DEG FLAT(602218)	2	2,338.35	4,676.70	17 C
19782	B4938S9690HC/30/100	BELT TRANSNORM 49/38/90 30" HELIX	2	3,300.00	6,600.00	16 D
19788	B4938S9690HL/36/100	BELT TRANSNORM 90 DEG 36" HELIX	2	3,250.00	6,500.00	16 D
19823	B5538S6990HV/36/100	BELT TRANSNORM 90 DEG 36" HELIX 5538	1	2,598.00	2,598.00	17 D
19891	CBN3252SB3U145TC	REDUCER 25:1 RATIO	5	1,500.00	7,500.00	19 D
19939	GT3A-3AD24	MULTI MODE ELECTRONIC TIMER	5	72.71	363.55	4 F
20117	J1-2000-160	BRACKET REFLECTOR FOR A-B 92-90 SIEMENS	4	36.88	147.52	3 D
20124	J1-20000-207	BRACKET PHOTOEYE FOR SIEMENS 3RG TYPE	2	20.13	40.26	6 F
20448	E8/2U0/V15 LG-FR	37" WIDE BELT LG INCLINE-DECLINE (A578812)	214.5	14.78	3,170.31	BELT RACK
20450	E8/2U0/V5H MT-FR 37"	BELTING 37W SMOOTH TOP	480	12.67	6,081.60	EAST FENCE
20516	MDL-10	FUSE 10A 250 VDC (1CM29)	5	2.08	10.40	-
20869	P49387/100	PULLEY TAIL TS-1500/100 FLAT IR49" N38"	5	802.62	4,013.10	30
20873	P49387/135/43/100	PULLEY TAIL 135 DEG 43" HELIX TRANSNORM	1	801.30	801.30	29
20886	P49387/30/8/100	PULLEY TAIL 30 DEG 8 HELIX TRANSNORM	1	733.70	733.70	30
20888	P49387/45/11/100	PULLEY TAIL 45 DEG 11 HELIX TRANSNORM	1	802.62	802.62	29
20889	P49387/45/12/100	PULLEY TAIL 45 DEG 12 HELIX TRANSNORM	2	802.62	1,605.24	29
20891	P49387/45/6/100	PULLEY TAIL 45 DEG 6 HELIX TRANSNORM	1	801.30	801.30	29
20896	P49387/60/16/100	PULLEY TAIL 60 DEG 16" HELIX TRANSNORM	1	801.30	801.30	70
20901	P49387/90/24/100	PULLEY TAIL 90 DEG 24 HELIX TRANSNORM	1	801.30	801.30	29
20902	P49387/90/30/100	PULLEY TAIL 90 DEG 30 HELIX TRANSNORM	1	801.30	801.30	29
20929	P49387IO/135/43/100	PULLEY DRIVE TRANSNORM 135 DEG. 43"HELIX IO	1	802.62	802.62	29
20933	P49387IO/45/12/100	PULLEY DRIVE 45 DEG 12" HELIX TS1500/100	1	802.62	802.62	29

Item No.	User-defined Field 1	Description	OnHand	AvgCost	Extended	Location
20934	P49387IO/45/3.25/100	PULLEY DRIVE 3.25 HELIX, 45 DEG. TRANSNORM	1	733.70	733.70	29
20935	P49387IO/45/6/100	PULLEY DRIVE 45 DEG. 6" HELIX TRANSNORM	1	802.62	802.62	30
20939	P49387IO/90/18/100	PULLEY DRIVE 18" HELIX 90 DEG. TRASNORM	1	733.70	733.70	29
20940	P49387IO/90/24/100	PULLEY DRIVE TRANSNORM 90 DEG. 24"HELIX IO	1	802.62	802.62	30 C
20941	P49387IO/90/30/100	PULLEY DRIVE TRANSNORM 90 DEG. 30"HELIX IO	1	802.62	802.62	29
20943	P49387O90/100	DRIVE ROLLER OUSIDE	1	110.00	110.00	29
20944	P49397IO/60/16/100	PULLEY DRIVE 60 DEG. 16" HELIX, TRANSNORM	1	802.62	802.62	-
20999	P55387IO/90/36/100	PULLEY DRIVE 90 DEG 36" HELIX TS1500/100	1	802.62	802.62	-
21094	PCX5EB10	CAT-5E PATCH CABLE BLUE 10 FT	2	12.66	25.32	3 F
21286	SC628AE	ALARM DEVICE 1900 HZ 50-65 DB 6-28V AC/DC	5	46.69	233.45	6 D
21306	SE18	LOVEJOY MERGE PINCH ROLLER TENSIONER	2	50.96	101.92	6 F
21423	SR2P-06	SOCKET 8PIN OCTAL BASE FOR ICE CUBE RELAY	5	8.29	41.45	6 C
21462	T-FP41	FAN 4" SURFACE MOUNT 55/95 CFM 50/60 HZ 120V	3	125.17	375.51	6 E
21495	TCF10	FUSE 10A CUBE VFD	8	18.82	150.56	6 B
22102	RL-00403	LINE REACTOR 460 VAC 5% OPEN CONSTRUCTION	5	71.03	355.15	3 D
22104	RL-00803	LINE REACTOR 460 VAC 5% OPEN CONSTRUCTION	1	106.55	106.55	6 A
22185	RSB-4AJ/24P	ENCODER 4 PULSE PER REVOLUTION	1	148.69	148.69	3 C
22189	RSB-5AJ/24P	SENSOR ENCODER CUBE W/1 OUTPUT 3/8 SHAFT	4	148.69	594.76	3 C
22275	UM180-1020 AP	CLUTCH BRAKE UM180-1020 AP (NEW)	2	764.46	1,528.91	24 B
22407	6ES7 971-0BA00	BATTERY LITHIUM FOR SIEMENS PLC'S	9	8.79	79.10	6 C
40314	3LD9220-3BF	AUXILIARY CONTACT 1NO GOLD FLASH	11	17.82	196.02	6 D

Summary Details

1 ton electric chain hoist (Dayton)	1 Ea	1/2 ton manul chain hoist	1 Ea
1024 x 768 Cube Monitors	8 Ea	2 ton manual chain hoist (Dayton)	1 Ea
36 volt Battery discharge unit	1 Ea	36" Belt Cutter	1 Ea
3Com 3800 Series 24 port	16 Ea	3Com XRN 5800 series 48 port	2 Ea
6" grinder (B&D)	2 Ea	AB Digital module, 110V AC input, 16 I/O	209 Ea
AB Digital module, 110V AC output, 16 I/O	102 Ea	AB Digital module, 24V DC input, 16 I/O	15 Ea
AB RSLogix 5 Programming Suite	1 Ea	AB RSLogix 500 Programming Suite	1 Ea
AB RSLogix 5000 programming suite	1 Ea	Accelerometer	1 Ea
Air compressor	1 Ea	APC Keyboard/touchpad/combo	2 Ea
APC smart UPS 2200XL	14 Ea	APC smart UPS 3000XL	4 Ea
APC UPS battery pack	18 Ea	Appendix H workstation	7 Ea
ARINC Proprietary Application Interface Software	4 Ea	ARINC Proprietary Application Server Software	4 Ea
Back-up module	10 Ea	Badge reader	72 Ea
Bag Measuring Device	1 Ea	Bag tag reader	55 Ea
Belt Hog Pulley alignment tool	1 Ea	Bench top drill press ()	1 Ea
Bench top drill press (Dayton)	1 Ea	Blue storage bins	24 Ea
Box Racking 1 bay 5 shelves	2 Ea	Box Racking 1 bay 6 shelves	6 Ea
Box Racking 1 bay 7 shelves	5 Ea	BSM Carrier Interface workstation	4 Ea
BSM Gateway Server	4 Ea	CD/DVD R combo	10 Ea
CD/DVD RW combo	4 Ea	CD-R drive	39 Ea
CD-RW drive	3 Ea	Christie DisplayMaster Graphics Output Module 4 port	2 Ea
Christie Mastersuite 3.1	1 Ea	Christie RGBMaster RGB input Module 2 port	1 Ea
CI	6 Ea	Cisco router/firewall, 2800 series	3 Ea
Cisco switch, Catalyst 3560G 24+4 port 10/100/1000 BaseT	4 Ea	Claim unit, slope-plate	21 Ea
Columbus McKinnon RT 3 Ton Hoist	5 Ea	Contactora, non-reversing	3204 Ea
Contactora, reversing	438 Ea	Control station	1588 Ea
ControlNet bridge	68 Ea	ControlLogix interface	13 Ea
Conveyor decline	209 Ea	Conveyor incline	174 Ea
Conveyor incline/decline	20 Ea	Conveyor load	46 Ea
Conveyor OS decline	35 Ea	Conveyor OS incline	11 Ea
Conveyor OS load	11 Ea	Conveyor OS straight	34 Ea
Conveyor OS unload	8 Ea	Conveyor straight	576 Ea
Conveyor ticketing	29 Ea	Conveyor unload	2 Ea
CT-80	3 Ea	CT-80 XLDR	1 Ea
CTX9000	32 Ea	CTX9400	2 Ea
Dbase Ctree Server	14 Ea	Door	56 Ea
Dual EtherNet Adapter 10/100/1000 BaseT	25 Ea	Dual Power supplies	58 Ea
Duplex	78 Ea	Dynameter (Dillon)	1 Ea
Electric Winch (Dayton)	2 Ea	ETD	62 Ea
EtherNet Adapter 10/100/1000 BaseT	12 Ea	EtherNet interface	9 Ea
External braking resistor	16 Ea	External Multitech Multimaster Modem	2 Ea
Flexco Belt Lacer 40"	1 Ea	Floppy 1.44 MB	15 Ea
Fork Lift HYSTER	1 Ea	Fuse	6379 Ea
Gateway Interface	2 Ea	Golf Cart EZGO	4 Ea
Graphic Workstation GSM	2 Ea	Graphics System Server	6 Ea
Graphics Workstation Client	2 Ea	HD 250 Gb, 10000 RPM eSATA	7 Ea
HD 36GB, 7200 RPM Scsii	1 Ea	HD 500 Gb, 10000 RPM eSATA	3 Ea
HD 60 GB hard drive	7 Ea	HD 70 Gb, 10000 RPM eSATA	2 Ea
HD 80 Gb, 7200 RPM eSATA	6 Ea		

HD Raid 1 + Spare, 18 Gb, 15k RPM Scsii	2 Ea	HD Raid 1, 18 Gb, 7200 RPM Scsii	28 Ea
HD Raid 1, 36 Gb, 7200 RPM Scsii	4 Ea	HD RAID 1, 36GB, 15k RPM Scsii	2 Ea
HD Raid 5 + spare, 146 Gb, 10k RPM SAS 2.5	4 Ea	HD Raid 5, 300 Gb, 10k RPM Scsii	14 Ea
High-speed diverter	117 Ea	Hoist trolley 3 ton	4 Ea
HP 17" LCD 1200x1600 native resolution	2 Ea	HP 7600 Series SFF, Intel dual core	7 Ea
HP D7800 SFF Pentium 3.4 GHz	6 Ea	HP D9600 Intel SFF PC	7 Ea
HP DL380/G4 Dual Intel Xenon 3.4 GHz	12 Ea	HP DL380/G5 Dual Intel Xenon Quad-Core Processor	4 Ea
HP ML 370/G3	1 Ea	HP ML330 Intel Xenon, 2.8 GHz	2 Ea
HP ML370/G3 Dual IBM Intel Xenon, 2.8 GHz	3 Ea	HP Storageworks Dat 40	16 Ea
Intermec Easy Loader F2 Bag Tag Reader	1 Ea	JVC Monitor TM-A9V	1 Ea
Keyboard/touchpad/19" LCD combo	1 Ea	KVM switch 16 port primary	1 Ea
KVM switch 16 port slave	1 Ea	KVM switch, Avocent 1415 8 port	2 Ea
Limit switch	218 Ea	Maintenance intervention control station (MICS)	604 Ea
Make-up unit, flat-plate w/ plow merge	6 Ea	Make-up unit, slope-plate	16 Ea
MCP cabinet	154 Ea	Merge OS, 45 deg	2 Ea
Merge, 45 deg	131 Ea	Miller Matic wire feed welder	1 Ea
Motor 1HP	86 Ea	Motor 2HP	992 Ea
Motor 3HP	117 Ea	Motor 5HP	149 Ea
Motor 7.5HP	7 Ea	Movimot	6 Ea
NEC 20.1 LCD 1200x1600 native resolution	15 Ea	NEC 21" 1200x1600 native resolution	2 Ea
NEC 5800 Fault-tolerant, Intel Xenon 2.4 GHz	8 Ea	NTRON 10/100BaseT & 100BaseFX 16 port	19 Ea
Oddsized Roll Bars	4 Ea	Oversize pax slide	7 Ea
Oversize Pflow lift	18 Ea	Oversize unload slide	8 Ea
Pager Alarm System (ZETRON 6408)	1 Ea	Pallet Racking 1 bay 2 shelves	1 Ea
Pallet Racking 1 bay 3 shelves	28 Ea	Pallet Racking 1 bay 6 shelves	2 Ea
Pallet Racking 1+ bay 3 shelves	1 Ea	Pallet Racking 1+ bay 4 shelves	3 Ea
Panel Heater	40 Ea	Patch panel 48 way	2 Ea
PCB Signal conditioner	1 Ea	Pet Lift	2 Ea
Photo eye	3020 Ea	PLC Allen Bradley 5500	10 Ea
PLC Allen Bradley PLC5	13 Ea	PLC Allen Bradley SLC500	18 Ea
PLC Siemens S7	78 Ea	PLC Square D Symax	39 Ea
Power supply, 24 VDC	257 Ea	Power turn OS, 45 deg	18 Ea
Power turn OS, 90 deg	29 Ea	Power turn OS, spiral, 180 deg	8 Ea
Power turn OS, spiral, 90 deg	8 Ea	Power turn, 135 deg	1 Ea
Power turn, 180 deg	4 Ea	Power turn, 30 deg	32 Ea
Power turn, 45 deg	262 Ea	Power turn, 60 deg	1 Ea
Power turn, 90 deg	281 Ea	Power turn, spiral, 135 deg	3 Ea
Power turn, spiral, 15 deg	1 Ea	Power turn, spiral, 180 deg	66 Ea
Power turn, spiral, 30 deg	8 Ea	Power turn, spiral, 45 deg	12 Ea
Power turn, spiral, 90 deg	92 Ea	Profibus interface	279 Ea
pTRI	100 Ea	Quadplex	14 Ea
Queue belt	803 Ea	Queue belt (ext)	31 Ea
Queue belt OS	8 Ea	Rack 19" APC internal shelf	6 Ea
Rack 19" APC Netshelter 42U	3 Ea	Rack 19" Encore 52U, glass front door	5 Ea
Rack 19" Encore Fan assembly	5 Ea	Radios	10 Ea
RAID Controller 64 bit SCSIII	8 Ea	Raid Controller Smart Array 6402	3 Ea
Raid Controller Smart Array 6i	11 Ea	Raid Controller Smart Array P400/512	4 Ea
Ram 1GB	14 Ea	RAM 1GB ECC	2 Ea
RAM 2GB	22 Ea	RAM 2GB ECC	12 Ea
RAM 3.25 GB ECC	4 Ea	RAM 3GB	2 Ea
Regulator	12 Ea	Relay	5930 Ea

relays	195 Ea	relays (electronic)	174 Ea
Rocket port 4Si	19 Ea	Run lanyard	11 Ea
S7 Digital module, 110 VAC output	52 Ea	S7 Digital module, 24V DC input, 16 I/O	1137 Ea
S7 Digital module, 24V DC output, 16 I/O	864 Ea	S7 EtherNet interface 100 BaseT	62 Ea
S7 Power supply, 10A 5V	124 Ea	S7 Repeater module	195 Ea
Safetronics VFD	16 Ea	Sanyo Digital Color CCTV camera	1 Ea
SCADA GSM Client	2 Ea	SCADA WinCC Client	3 Ea
SCADA WinCC Server, Dbase SQL	6 Ea	SCADA WinCC Server, WebNav, Dbase SQL	1 Ea
SCO Unix 5.0	2 Ea	SCO Unix 6.0	12 Ea
Seal replacement tool kit	1 Ea	Security door	102 Ea
Shaft encoder	414 Ea	Siemens 15" Graphics touch panel	16 Ea
Siemens Proprietary Sort Controller	14 Ea	Siemens Proprietary UUI	1 Ea
Siemens Step7 Programming suite	1 Ea	Sizzor Lift	3 Ea
Ski claim	6 Ea	Soft start	22 Ea
Solonoid	46 Ea	Sort Controller Server	14 Ea
Super Circuit time Lapse Recorder VCR1280	1 Ea	Surveyors tripod	1 Ea
Symax Digital module, 110V AC input, 16 I/O	143 Ea	Symax Digital module, 110V AC output, 16 I/O	118 Ea
Symax PLC Programming suite	1 Ea	Symax Power Supply external	15 Ea
Symax Power Supply internal	9 Ea	Symbol LS3408 wireless hand-scanner/cradle	20 Ea
Takeaway, 45 deg	68 Ea	Toshiba Satellite Pro (RS232 Serial port)	1 Ea
Tote conveyor	108 Ea	Tote lift conveyor	22 Ea
Tote load conveyor	12 Ea	Tote raise/lower conveyor	24 Ea
Tote sizzor lift conveyor	6 Ea	Tote unload conveyor	6 Ea
Transformer	286 Ea	TRI	23 Ea
TRI (shared w/ 3E)	3 Ea	User Interface (IE)	1 Ea
User interface (Native Unix)	1 Ea	User Interface (Putty)	6 Ea
UUI Server	1 Ea	Versitron M7274S 10/100 BaseTX to BaseFX fiber converter	19 Ea
Vertical sorter unit	1 Ea	VFD	194 Ea
VPN Server	1 Ea	Warning alarm	440 Ea
WebNav Server	1 Ea	Windows 2000 Adv Server, SP4	7 Ea
Windows 2000 Server, SP4	2 Ea	Windows 2003 Server Enterprise, SP2	1 Ea
Windows 2003 Server R2, SP2	4 Ea	Windows 95	1 Ea
Windows Office 2003	1 Ea	Windows Vista, SP2	2 Ea
Windows XP, SP2	19 Ea	Windows XP, SP3	1 Ea
Wooden Racking 2 bay 5 shelves	3 Ea	Work Station Computer	6 Ea
Conveyor length, decline	4252 lf	Conveyor length, incline	1745 lf
Conveyor length, straight	16716 lf	Conveyor OS decline	145 lf
Conveyor OS incline	88 lf	Conveyor OS straight	225 lf
Fiber	4920 lf	Secure fencing (Parts Storage)	180 lf
Carousel length, IB summary	4102 lf_tot	Carousel length, summary	3919 lf_tot
Conveyor length IB, summary	5273 lf_tot	Conveyor length, OB summary	31738 lf_tot
Conveyor length, OS summary	2730 lf_tot		

END OF SUMMARY

Summary Details by Module

Module: CCD

1 ton electric chain hoist (Dayton)	1 Ea	1/2 ton manul chain hoist	1 Ea
2 ton manual chain hoist (Dayton)	1 Ea	36 volt Battery discharge unit	1 Ea
36" Belt Cutter	1 Ea	6" grinder (B&D)	2 Ea
AB RSLogix 5 Programming Suite	1 Ea	AB RSLogix 500 Programming Suite	1 Ea
Accelerometer	1 Ea	Air compressor	1 Ea
Belt Hog Pulley alignment tool	1 Ea	Bench top drill press ()	1 Ea
Bench top drill press (Dayton)	1 Ea	Box Racking 1 bay 5 shelves	2 Ea
Box Racking 1 bay 6 shelves	6 Ea	Box Racking 1 bay 7 shelves	5 Ea
Columbus McKinnon RT 3 Ton Hoist	5 Ea	Dynameter (Dillon)	1 Ea
Electric Winch (Dayton)	2 Ea	Flexco Belt Lacer 40"	1 Ea
Fork Lift HYSTER	1 Ea	Golf Cart EZGO	4 Ea
Hoist trolley 3 ton	4 Ea	Intermec Easy Loader F2 Bag Tag Reader	1 Ea
JVC Monitor TM-A9V	1 Ea	Miller Matic wire feed welder	1 Ea
Pager Alarm System (ZETRON 6408)	1 Ea	Pallet Racking 1 bay 2 shelves	1 Ea
Pallet Racking 1 bay 3 shelves	28 Ea	Pallet Racking 1 bay 6 shelves	2 Ea
Pallet Racking 1+ bay 3 shelves	1 Ea	Pallet Racking 1+ bay 4 shelves	3 Ea
PCB Signal conditioner	1 Ea	Radios	10 Ea
Sanyo Digital Color CCTV camera	1 Ea	Seal replacement tool kit	1 Ea
Sizzor Lift	3 Ea	Super Circuit time Lapse Recorder VCR1280	1 Ea
Surveyors tripod	1 Ea	Symax PLC Programming suite	1 Ea
Toshiba Satellitte Pro (RS232 Serial port)	1 Ea	Windows 95	1 Ea
Wooden Racking 2 bay 5 shelves	3 Ea		
Secure fencing (Parts Storage)	180 lf		

Module: 1E

Appendix H workstation	1 Ea	Badge reader	14 Ea
Bag tag reader	8 Ea	CD-R drive	1 Ea
CI	1 Ea	Claim unit, slope-plate	3 Ea
Contactora, non-reversing	531 Ea	Contactora, reversing	102 Ea
Control station	268 Ea	Conveyor decline	37 Ea
Conveyor incline	24 Ea	Conveyor incline/decline	5 Ea
Conveyor load	9 Ea	Conveyor OS decline	4 Ea
Conveyor OS straight	1 Ea	Conveyor straight	77 Ea
Conveyor ticketing	7 Ea	CT-80 XLDR	1 Ea
CTX9000	5 Ea	Door	10 Ea
Duplex	13 Ea	ETD	10 Ea
External braking resistor	4 Ea	Fuse	933 Ea
HD 60 GB hard drive	1 Ea	High-speed diverter	16 Ea
HP D9600 Intel SFF PC	1 Ea	Limit switch	20 Ea
Maintenance intervention control station (MICS)	83 Ea	Make-up unit, slope-plate	4 Ea
MCP cabinet	23 Ea	Merge, 45 deg	20 Ea
Motor 1HP	13 Ea	Motor 2HP	170 Ea
Motor 3HP	15 Ea	Motor 5HP	22 Ea
Motor 7.5HP	2 Ea	NEC 20.1 LCD 1200x1600 native resolution	1 Ea
NTRON 10/100BaseT & 100BaseFX 16 port	3 Ea	Oversize pax slide	1 Ea
Oversize Pflow lift	4 Ea	Oversize unload slide	2 Ea
Panel Heater	11 Ea	Photo eye	440 Ea
PLC Allen Bradley PLC5	4 Ea	PLC Allen Bradley SLC500	4 Ea

CCD - Hardware

PLC Siemens S7	12 Ea	PLC Square D Symax	9 Ea
Power supply, 24 VDC	40 Ea	Power turn OS, 90 deg	2 Ea
Power turn, 30 deg	6 Ea	Power turn, 45 deg	34 Ea
Power turn, 90 deg	50 Ea	Power turn, spiral, 135 deg	1 Ea
Power turn, spiral, 180 deg	12 Ea	Power turn, spiral, 45 deg	2 Ea
Power turn, spiral, 90 deg	13 Ea	Profibus interface	46 Ea
pTRI	15 Ea	Queue belt	125 Ea
Queue belt (ext)	27 Ea	Ram 1GB	1 Ea
Regulator	4 Ea	Relay	789 Ea
relays	65 Ea	relays (electronic)	58 Ea
Rocket port 4Si	3 Ea	Run lanyard	3 Ea
S7 Digital module, 110 VAC output	8 Ea	S7 Digital module, 24V DC input, 16 I/O	198 Ea
S7 Digital module, 24V DC output, 16 I/O	148 Ea	S7 EtherNet interface 100 BaseT	12 Ea
S7 Power supply, 10A 5V	12 Ea	S7 Repeater module	25 Ea
Safetronics VFD	4 Ea	Security door	19 Ea
Shaft encoder	73 Ea	Siemens 15" Graphics touch panel	3 Ea
Ski claim	1 Ea	Soft start	4 Ea
Symax Digital module, 110V AC input, 16 I/O	45 Ea	Symax Digital module, 110V AC output, 16 I/O	37 Ea
Symax Power Supply external	5 Ea	Symax Power Supply internal	3 Ea
Symbol LS3408 wireless hand-scanner/cradle	3 Ea	Takeaway, 45 deg	6 Ea
Tote conveyor	26 Ea	Tote lift conveyor	6 Ea
Tote load conveyor	4 Ea	Tote raise/lower conveyor	8 Ea
Tote sizzor lift conveyor	2 Ea	Tote unload conveyor	2 Ea
Transformer	47 Ea	TRI	5 Ea
VFD	23 Ea	Warning alarm	65 Ea
Windows XP, SP2	1 Ea		
Conveyor length, decline	757 lf	Conveyor length, incline	333 lf
Conveyor length, straight	2481 lf	Fiber	780 lf
Carousel length, IB summary	559 lf_tot	Carousel length, summary	677 lf_tot
Conveyor length IB, summary	775 lf_tot	Conveyor length, OB summary	5306 lf_tot
Conveyor length, OS summary	138 lf_tot		

Module: 1W

Appendix H Workstation	1 Ea	Badge reader	14 Ea
Bag tag reader	8 Ea	CD-R drive	1 Ea
CI	1 Ea	Claim unit, slope-plate	3 Ea
Contactora, non-reversing	527 Ea	Contactora, reversing	103 Ea
Control station	240 Ea	Conveyor decline	36 Ea
Conveyor incline	25 Ea	Conveyor incline/decline	5 Ea
Conveyor load	7 Ea	Conveyor OS decline	4 Ea
Conveyor OS load	2 Ea	Conveyor OS straight	2 Ea
Conveyor straight	77 Ea	Conveyor ticketing	6 Ea
CTX9000	5 Ea	Door	10 Ea
Duplex	12 Ea	ETD	10 Ea
External braking resistor	4 Ea	Fuse	934 Ea
HD 60 GB hard drive	1 Ea	High-speed diverter	15 Ea
HP D9600 Intel SFF PC	1 Ea	Limit switch	20 Ea
Maintenance intervention control station (MICS)	78 Ea	Make-up unit, slope-plate	4 Ea
MCP cabinet	23 Ea	Merge, 45 deg	19 Ea
Motor 1HP	13 Ea	Motor 2HP	166 Ea
Motor 3HP	17 Ea	Motor 5HP	23 Ea
Motor 7.5HP	2 Ea	NEC 20.1 LCD 1200x1600 native resolution	1 Ea

NTRON 10/100BaseT & 100BaseFX 16 port	3 Ea	Oversize pax slide	1 Ea
Oversize Pflow lift	4 Ea	Oversize unload slide	2 Ea
Panel Heater	11 Ea	Photo eye	433 Ea
PLC Allen Bradley PLC5	4 Ea	PLC Allen Bradley SLC500	4 Ea
PLC Siemens S7	12 Ea	PLC Square D Symax	7 Ea
Power supply, 24 VDC	40 Ea	Power turn OS, 90 deg	1 Ea
Power turn, 30 deg	4 Ea	Power turn, 45 deg	36 Ea
Power turn, 90 deg	50 Ea	Power turn, spiral, 135 deg	1 Ea
Power turn, spiral, 180 deg	12 Ea	Power turn, spiral, 45 deg	1 Ea
Power turn, spiral, 90 deg	13 Ea	Profibus interface	47 Ea
pTRI	15 Ea	Queue belt	134 Ea
Ram 1GB	1 Ea	Regulator	4 Ea
Relay	788 Ea	relays	65 Ea
relays (electronic)	58 Ea	Rocket port 4Si	3 Ea
Run lanyard	1 Ea	S7 Digital module, 110 VAC output	8 Ea
S7 Digital module, 24V DC input, 16 I/O	195 Ea	S7 Digital module, 24V DC output, 16 I/O	149 Ea
S7 EtherNet interface 100 BaseT	7 Ea	S7 Power supply, 10A 5V	12 Ea
S7 Repeater module	25 Ea	Safetronics VFD	4 Ea
Security door	20 Ea	Shaft encoder	69 Ea
Siemens 15" Graphics touch panel	3 Ea	Ski claim	1 Ea
Soft start	4 Ea	Symax Digital module, 110V AC input, 16 I/O	45 Ea
Symax Digital module, 110V AC output, 16 I/O	37 Ea	Symax Power Supply external	5 Ea
Symax Power Supply internal	3 Ea	Symbol LS3408 wireless hand- scanner/cradle	3 Ea
Takeaway, 45 deg	9 Ea	Tote conveyor	30 Ea
Tote lift conveyor	6 Ea	Tote load conveyor	4 Ea
Tote raise/lower conveyor	8 Ea	Tote sizzor lift conveyor	2 Ea
Tote unload conveyor	2 Ea	Transformer	47 Ea
TRI	3 Ea	VFD	24 Ea
Warning alarm	61 Ea	Windows XP, SP2	1 Ea
Conveyor length, decline	762 lf	Conveyor length, incline	270 lf
Conveyor length, straight	2738 lf	Fiber	1240 lf
Carousel length, IB summary	559 lf_tot	Carousel length, summary	677 lf_tot
Conveyor length IB, summary	785 lf_tot	Conveyor length, OB summary	4879 lf_tot
Conveyor length, OS summary	138 lf_tot		

Module: 2E

Appendix H Workstation	1 Ea	Badge reader	14 Ea
Bag tag reader	8 Ea	CD-R drive	1 Ea
CI	1 Ea	Claim unit, slope-plate	3 Ea
Contactora, non-reversing	527 Ea	Contactora, reversing	103 Ea
Control station	240 Ea	Conveyor decline	34 Ea
Conveyor incline	23 Ea	Conveyor incline/decline	5 Ea
Conveyor load	6 Ea	Conveyor OS decline	4 Ea
Conveyor OS load	2 Ea	Conveyor OS straight	2 Ea
Conveyor straight	88 Ea	Conveyor ticketing	6 Ea
CTX9000	5 Ea	Door	10 Ea
Duplex	12 Ea	ETD	10 Ea
External braking resistor	4 Ea	Fuse	934 Ea
HD 60 GB hard drive	1 Ea	High-speed diverter	16 Ea
HP D9600 Intel SFF PC	1 Ea	Limit switch	20 Ea
Maintenance intervention control station (MICS)	78 Ea	Make-up unit, slope-plate	4 Ea
MCP cabinet	23 Ea	Merge, 45 deg	21 Ea

CCD - Hardware

Motor 1HP	13 Ea	Motor 2HP	173 Ea
Motor 3HP	15 Ea	Motor 5HP	21 Ea
Motor 7.5HP	2 Ea	NEC 20.1 LCD 1200x1600 native resolution	1 Ea
NTRON 10/100BaseT & 100BaseFX 16 port	3 Ea	Oversize pax slide	1 Ea
Oversize Pflow lift	4 Ea	Oversize unload slide	2 Ea
Panel Heater	11 Ea	Photo eye	433 Ea
PLC Allen Bradley PLC5	4 Ea	PLC Allen Bradley SLC500	4 Ea
PLC Siemens S7	12 Ea	PLC Square D Symax	7 Ea
Power supply, 24 VDC	40 Ea	Power turn OS, 90 deg	4 Ea
Power turn, 30 deg	4 Ea	Power turn, 45 deg	36 Ea
Power turn, 90 deg	45 Ea	Power turn, spiral, 135 deg	1 Ea
Power turn, spiral, 180 deg	6 Ea	Power turn, spiral, 45 deg	1 Ea
Power turn, spiral, 90 deg	13 Ea	Profibus interface	47 Ea
pTRI	15 Ea	Queue belt	142 Ea
Queue belt (ext)	2 Ea	Ram 1GB	1 Ea
Regulator	4 Ea	Relay	788 Ea
relays	65 Ea	relays (electronic)	58 Ea
Rocket port 4Si	3 Ea	Run lanyard	1 Ea
S7 Digital module, 110 VAC output	8 Ea	S7 Digital module, 24V DC input, 16 I/O	195 Ea
S7 Digital module, 24V DC output, 16 I/O	149 Ea	S7 EtherNet interface 100 BaseT	7 Ea
S7 Power supply, 10A 5V	12 Ea	S7 Repeater module	25 Ea
Safetronics VFD	4 Ea	Security door	15 Ea
Shaft encoder	69 Ea	Siemens 15" Graphics touch panel	3 Ea
Ski claim	1 Ea	Soft start	4 Ea
Symax Digital module, 110V AC input, 16 I/O	45 Ea	Symax Digital module, 110V AC output, 16 I/O	37 Ea
Symax Power Supply external	5 Ea	Symax Power Supply internal	3 Ea
Symbol LS3408 wireless hand-scanner/cradle	3 Ea	Takeaway, 45 deg	10 Ea
Tote conveyor	30 Ea	Tote lift conveyor	6 Ea
Tote load conveyor	4 Ea	Tote raise/lower conveyor	8 Ea
Tote sizzor lift conveyor	2 Ea	Tote unload conveyor	2 Ea
Transformer	47 Ea	TRI	3 Ea
VFD	16 Ea	Warning alarm	61 Ea
Windows XP, SP2	1 Ea		
Conveyor length, decline	762 lf	Conveyor length, incline	270 lf
Conveyor length, straight	2738 lf	Fiber	480 lf
Carousel length, IB summary	480 lf_tot	Carousel length, summary	677 lf_tot
Conveyor length IB, summary	776 lf_tot	Conveyor length, OB summary	5397 lf_tot
Conveyor length, OS summary	138 lf_tot		

Module: 2W

Appendix H Workstation	1 Ea	Badge reader	7 Ea
Bag Measuring Device	1 Ea	Bag tag reader	11 Ea
CD-R drive	1 Ea	CI	1 Ea
Claim unit, slope-plate	3 Ea	Contactora, non-reversing	508 Ea
Contactora, reversing	25 Ea	Control station	261 Ea
Conveyor decline	33 Ea	Conveyor incline	23 Ea
Conveyor incline/decline	2 Ea	Conveyor load	6 Ea
Conveyor OS decline	15 Ea	Conveyor OS incline	7 Ea
Conveyor OS load	3 Ea	Conveyor OS straight	17 Ea
Conveyor OS unload	6 Ea	Conveyor straight	100 Ea
CT-80	2 Ea	CTX9000	6 Ea
Door	5 Ea	Duplex	21 Ea

ETD	10 Ea	Fuse	1348 Ea
HD 60 GB hard drive	1 Ea	High-speed diverter	25 Ea
HP D9600 Intel SFF PC	1 Ea	Limit switch	6 Ea
Maintenance intervention control station (MICS)	122 Ea	Make-up unit, flat-plate w/ plow merge	3 Ea
MCP cabinet	26 Ea	Merge OS, 45 deg	2 Ea
Merge, 45 deg	22 Ea	Motor 1HP	24 Ea
Motor 2HP	247 Ea	Motor 3HP	40 Ea
Motor 5HP	40 Ea	Motor 7.5HP	1 Ea
Movimot	6 Ea	NEC 20.1 LCD 1200x1600 native resolution	2 Ea
NTRON 10/100BaseT & 100BaseFX 16 port	4 Ea	Oddsize Roll Bars	2 Ea
Oversize pax slide	1 Ea	Oversize Pflow lift	2 Ea
Pet Lift	1 Ea	Photo eye	550 Ea
PLC Allen Bradley SLC500	2 Ea	PLC Siemens S7	16 Ea
PLC Square D Symax	5 Ea	Power supply, 24 VDC	54 Ea
Power turn OS, 45 deg	16 Ea	Power turn OS, 90 deg	9 Ea
Power turn OS, spiral, 90 deg	7 Ea	Power turn, 30 deg	4 Ea
Power turn, 45 deg	57 Ea	Power turn, 90 deg	33 Ea
Power turn, spiral, 15 deg	1 Ea	Power turn, spiral, 180 deg	12 Ea
Power turn, spiral, 30 deg	2 Ea	Power turn, spiral, 45 deg	2 Ea
Power turn, spiral, 90 deg	24 Ea	Profibus interface	62 Ea
pTRI	16 Ea	Queue belt	119 Ea
Queue belt OS	8 Ea	Ram 1GB	1 Ea
Relay	1305 Ea	Rocket port 4Si	3 Ea
Run lanyard	1 Ea	S7 Digital module, 110 VAC output	10 Ea
S7 Digital module, 24V DC input, 16 I/O	232 Ea	S7 Digital module, 24V DC output, 16 I/O	176 Ea
S7 EtherNet interface 100 BaseT	16 Ea	S7 Power supply, 10A 5V	16 Ea
S7 Repeater module	32 Ea	Security door	12 Ea
Shaft encoder	64 Ea	Siemens 15" Graphics touch panel	3 Ea
Ski claim	1 Ea	Soft start	3 Ea
Symbol LS3408 wireless hand-scanner/cradle	3 Ea	Takeaway, 45 deg	14 Ea
Tote conveyor	12 Ea	Tote lift conveyor	2 Ea
Transformer	42 Ea	TRI	5 Ea
Vertical sorter unit	1 Ea	VFD	60 Ea
Warning alarm	80 Ea	Windows XP, SP2	1 Ea
Conveyor length, decline	509 lf	Conveyor length, incline	227 lf
Conveyor length, straight	3030 lf	Fiber	940 lf
Carousel length, IB summary	599 lf_tot	Carousel length, summary	656 lf_tot
Conveyor length IB, summary	515 lf_tot	Conveyor length, OB summary	5271 lf_tot
Conveyor length, OS summary	1366 lf_tot		

Module: 3E

AB Digital module, 110V AC input, 16 I/O	202 Ea	AB Digital module, 110V AC output, 16 I/O	97 Ea
AB Digital module, 24V DC input, 16 I/O	15 Ea	Appendix H Workstation	1 Ea
Back-up module	10 Ea	Badge reader	14 Ea
Bag tag reader	8 Ea	CD-R drive	1 Ea
CI	1 Ea	Claim unit, slope-plate	3 Ea
Contactora, non-reversing	363 Ea	Contactora, reversing	69 Ea
Control station	207 Ea	ControlNet bridge	68 Ea
ControlLogix interface	13 Ea	Conveyor decline	33 Ea
Conveyor incline	21 Ea	Conveyor load	8 Ea
Conveyor OS decline	4 Ea	Conveyor OS load	2 Ea

Conveyor OS straight	2 Ea	Conveyor straight	82 Ea
Conveyor ticketing	6 Ea	Conveyor unload	2 Ea
CT-80	1 Ea	CTX9000	4 Ea
CTX9400	2 Ea	Door	14 Ea
ETD	6 Ea	EtherNet interface	9 Ea
External braking resistor	4 Ea	Fuse	598 Ea
Gateway Interface	2 Ea	HD 60 GB hard drive	1 Ea
High-speed diverter	16 Ea	HP D9600 Intel SFF PC	1 Ea
Limit switch	146 Ea	Maintenance intervention control station (MICS)	76 Ea
Make-up unit, slope-plate	4 Ea	MCP cabinet	24 Ea
Merge, 45 deg	21 Ea	NEC 20.1 LCD 1200x1600 native resolution	1 Ea
Oversize pax slide	1 Ea	Oversize Pflow lift	4 Ea
Oversize unload slide	2 Ea	Panel Heater	4 Ea
Photo eye	390 Ea	PLC Allen Bradley 5500	10 Ea
PLC Allen Bradley SLC500	4 Ea	PLC Square D Symax	3 Ea
Power supply, 24 VDC	15 Ea	Power turn OS, 90 deg	2 Ea
Power turn, 180 deg	1 Ea	Power turn, 30 deg	6 Ea
Power turn, 45 deg	32 Ea	Power turn, 90 deg	38 Ea
Power turn, spiral, 180 deg	12 Ea	Power turn, spiral, 45 deg	1 Ea
Power turn, spiral, 90 deg	14 Ea	pTRI	15 Ea
Quadplex	14 Ea	Queue belt	140 Ea
Ram 1GB	1 Ea	Relay	670 Ea
Rocket port 4Si	1 Ea	Run lanyard	2 Ea
S7 Digital module, 24V DC input, 16 I/O	2 Ea	S7 Digital module, 24V DC output, 16 I/O	2 Ea
S7 Power supply, 10A 5V	46 Ea	S7 Repeater module	40 Ea
Safetronics VFD	4 Ea	Security door	21 Ea
Shaft encoder	53 Ea	Ski claim	1 Ea
Soft start	4 Ea	Solonoid	46 Ea
Symbol LS3408 wireless hand-scanner/cradle	3 Ea	Takeaway, 45 deg	11 Ea
Tote conveyor	10 Ea	Tote lift conveyor	2 Ea
Transformer	48 Ea	TRI	3 Ea
Warning alarm	57 Ea	Windows XP, SP2	1 Ea
Conveyor length, decline	621 lf	Conveyor length, incline	195 lf
Conveyor length, straight	2012 lf	Fiber	180 lf
Carousel length, IB summary	602 lf_tot	Carousel length, summary	576 lf_tot
Conveyor length IB, summary	794 lf_tot	Conveyor length, OB summary	4185 lf_tot
Conveyor length, OS summary	138 lf_tot		

Module: 3W

Appendix H Workstation	1 Ea	Badge reader	7 Ea
Bag tag reader	10 Ea	CD-R drive	1 Ea
CI	1 Ea	Claim unit, slope-plate	3 Ea
Contactora, non-reversing	517 Ea	Contactora, reversing	27 Ea
Control station	259 Ea	Conveyor decline	29 Ea
Conveyor incline	30 Ea	Conveyor incline/decline	3 Ea
Conveyor load	4 Ea	Conveyor OS straight	2 Ea
Conveyor straight	115 Ea	Conveyor ticketing	4 Ea
CTX9000	5 Ea	Door	5 Ea
Duplex	16 Ea	ETD	10 Ea
Fuse	1293 Ea	HD 60 GB hard drive	1 Ea
High-speed diverter	25 Ea	HP D9600 Intel SFF PC	1 Ea
Limit switch	4 Ea	Maintenance intervention control station (MICS)	119 Ea

Make-up unit, flat-plate w/ plow merge	3 Ea	MCP cabinet	26 Ea
Merge, 45 deg	21 Ea	Motor 1HP	23 Ea
Motor 2HP	236 Ea	Motor 3HP	30 Ea
Motor 5HP	43 Ea	NEC 20.1 LCD 1200x1600 native resolution	2 Ea
NTRON 10/100BaseT & 100BaseFX 16 port	4 Ea	Oddsized Roll Bars	2 Ea
Oversize pax slide	1 Ea	Pet Lift	1 Ea
Photo eye	570 Ea	PLC Siemens S7	16 Ea
PLC Square D Symax	7 Ea	Power supply, 24 VDC	54 Ea
Power turn, 135 deg	1 Ea	Power turn, 180 deg	3 Ea
Power turn, 30 deg	5 Ea	Power turn, 45 deg	54 Ea
Power turn, 90 deg	43 Ea	Power turn, spiral, 180 deg	12 Ea
Power turn, spiral, 30 deg	4 Ea	Power turn, spiral, 90 deg	13 Ea
Profibus interface	63 Ea	pTRI	16 Ea
Queue belt	110 Ea	Queue belt (ext)	1 Ea
Ram 1GB	1 Ea	Relay	1277 Ea
Rocket port 4Si	3 Ea	Run lanyard	1 Ea
S7 Digital module, 110 VAC output	8 Ea	S7 Digital module, 24V DC input, 16 I/O	233 Ea
S7 Digital module, 24V DC output, 16 I/O	181 Ea	S7 EtherNet interface 100 BaseT	16 Ea
S7 Power supply, 10A 5V	16 Ea	S7 Repeater module	32 Ea
Security door	8 Ea	Shaft encoder	67 Ea
Siemens 15" Graphics touch panel	3 Ea	Ski claim	1 Ea
Soft start	3 Ea	Symbol LS3408 wireless hand-scanner/cradle	3 Ea
Takeaway, 45 deg	15 Ea	Transformer	42 Ea
TRI	4 Ea	VFD	62 Ea
Warning alarm	77 Ea	Windows XP, SP2	1 Ea
Conveyor length, decline	569 lf	Conveyor length, incline	313 lf
Conveyor length, straight	3065 lf	Fiber	640 lf
Carousel length, IB summary	649 lf_tot	Carousel length, summary	656 lf_tot
Conveyor length IB, summary	545 lf_tot	Conveyor length, OB summary	5193 lf_tot
Conveyor length, OS summary	10 lf_tot		

Module: FIS

AB Digital module, 110V AC input, 16 I/O	7 Ea	AB Digital module, 110V AC output, 16 I/O	5 Ea
Appendix H workstation	1 Ea	Badge reader	2 Ea
Bag tag reader	2 Ea	Blue storage bins	24 Ea
CD-R drive	1 Ea	CI	0 Ea
Claim unit, slope-plate	3 Ea	Contactora, non-reversing	231 Ea
Contactora, reversing	9 Ea	Control station	113 Ea
Conveyor decline	7 Ea	Conveyor incline	28 Ea
Conveyor load	6 Ea	Conveyor OS decline	4 Ea
Conveyor OS incline	4 Ea	Conveyor OS load	2 Ea
Conveyor OS straight	8 Ea	Conveyor OS unload	2 Ea
Conveyor straight	37 Ea	CTX9000	2 Ea
Door	2 Ea	Duplex	4 Ea
ETD	6 Ea	Fuse	339 Ea
HD 60 GB hard drive	1 Ea	High-speed diverter	4 Ea
HP D9600 Intel SFF PC	1 Ea	Limit switch	2 Ea
Maintenance intervention control station (MICS)	48 Ea	MCP cabinet	9 Ea
Merge, 45 deg	7 Ea	NEC 20.1 LCD 1200x1600 native resolution	1 Ea
NTRON 10/100BaseT & 100BaseFX 16 port	2 Ea	Oversize pax slide	1 Ea

CCD - Hardware

Panel Heater	3 Ea	Photo eye	204 Ea
PLC Allen Bradley PLC5	1 Ea	PLC Siemens S7	10 Ea
PLC Square D Symax	1 Ea	Power supply, 24 VDC	14 Ea
Power turn OS, 45 deg	2 Ea	Power turn OS, 90 deg	11 Ea
Power turn OS, spiral, 180 deg	8 Ea	Power turn OS, spiral, 90 deg	1 Ea
Power turn, 30 deg	3 Ea	Power turn, 45 deg	13 Ea
Power turn, 60 deg	1 Ea	Power turn, 90 deg	22 Ea
Power turn, spiral, 30 deg	2 Ea	Power turn, spiral, 45 deg	5 Ea
Power turn, spiral, 90 deg	2 Ea	Profibus interface	14 Ea
pTRI	8 Ea	Queue belt	33 Ea
Queue belt (ext)	1 Ea	Ram 1GB	1 Ea
Relay	313 Ea	Rocket port 4Si	1 Ea
Run lanyard	2 Ea	S7 Digital module, 110 VAC output	10 Ea
S7 Digital module, 24V DC input, 16 I/O	82 Ea	S7 Digital module, 24V DC output, 16 I/O	59 Ea
S7 EtherNet interface 100 BaseT	4 Ea	S7 Power supply, 10A 5V	10 Ea
S7 Repeater module	16 Ea	Security door	7 Ea
Shaft encoder	19 Ea	Siemens 15" Graphics touch panel	1 Ea
Symax Digital module, 110V AC input, 16 I/O	8 Ea	Symax Digital module, 110V AC output, 16 I/O	7 Ea
Symbol LS3408 wireless hand-scanner/cradle	2 Ea	Takeaway, 45 deg	3 Ea
Transformer	13 Ea	TRI (shared w/ 3E)	3 Ea
VFD	9 Ea	Warning alarm	39 Ea
Windows XP, SP2	1 Ea		
Conveyor length, decline	272 lf	Conveyor length, incline	137 lf
Conveyor length, straight	652 lf	Conveyor OS decline	145 lf
Conveyor OS incline	88 lf	Conveyor OS straight	225 lf
Fiber	660 lf		
Carousel length, IB summary	654 lf_tot	Conveyor length IB, summary	1083 lf_tot
Conveyor length, OB summary	1507 lf_tot	Conveyor length, OS summary	802 lf_tot

Module: CMF

1024 x 768 Cube Monitors	8 Ea	CD/DVD RW combo	2 Ea
CD-R drive	2 Ea	CD-RW drive	3 Ea
Christie DisplayMaster Graphics Output Module 4 port	2 Ea	Christie Mastersuite 3.1	1 Ea
Christie RGBMaster RGB input Module 2 port	1 Ea	EtherNet Adapter 10/100/1000 BaseT	2 Ea
Graphic Workstation GSM	2 Ea	Graphics Workstation Client	2 Ea
HD 250 Gb, 10000 RPM eSATA	5 Ea	HD 36GB, 7200 RPM Scsii	1 Ea
HD 500 Gb, 10000 RPM eSATA	2 Ea	HD 70 Gb, 10000 RPM eSATA	2 Ea
HP 7600 Series SFF, Intel dual core	5 Ea	HP ML 370/G3	1 Ea
HP ML330 Intel Xenon, 2.8 GHz	2 Ea	HP Storageworks Dat 40	2 Ea
NEC 20.1 LCD 1200x1600 native resolution	6 Ea	Ram 1GB	1 Ea
RAM 2GB	6 Ea	SCADA GSM Client	2 Ea
SCADA WinCC Client	2 Ea	User Interface (IE)	1 Ea
User interface (Native Unix)	1 Ea	User Interface (Putty)	3 Ea
Windows 2000 Server, SP4	2 Ea	Windows Office 2003	1 Ea
Windows Vista, SP2	2 Ea	Windows XP, SP2	4 Ea
Work Station Computer	3 Ea		

Module: Server Room L6

3Com 3800 Series 24 port	16 Ea	3Com XRN 5800 series 48 port	2 Ea
AB RSLogix 5000 programming suite	1 Ea	APC Keyboard/touchpad/combo	2 Ea
APC smart UPS 2200XL	14 Ea	APC smart UPS 3000XL	4 Ea

APC UPS battery pack	18 Ea	ARINC Proprietary Application Interface Software	4 Ea
ARINC Proprietary Application Server Software	4 Ea	BSM Carrier Interface workstation	4 Ea
BSM Gateway Server	4 Ea	CD/DVD R combo	10 Ea
CD/DVD RW combo	2 Ea	CD-R drive	30 Ea
Cisco router/firewall, 2800 series	3 Ea	Cisco switch, Catalyst 3560G 24+4 port 10/100/1000 BaseT	4 Ea
Dbase Ctree Server	14 Ea	Dual EtherNet Adapter 10/100/1000 BaseT	25 Ea
Dual Power supplies	58 Ea	EtherNet Adapter 10/100/1000 BaseT	10 Ea
External Multitech Multimaster Modem	2 Ea	Floppy 1.44 MB	15 Ea
Graphics System Server	6 Ea	HD 250 Gb, 10000 RPM eSATA	2 Ea
HD 500 Gb, 10000 RPM eSATA	1 Ea	HD 80 Gb, 7200 RPM eSATA	6 Ea
HD Raid 1 + Spare, 18 Gb, 15k RPM Scsii	2 Ea	HD Raid 1, 18 Gb, 7200 RPM Scsii	28 Ea
HD Raid 1, 36 Gb, 7200 RPM Scsii	4 Ea	HD RAID 1, 36GB, 15k RPM Scsii	2 Ea
HD Raid 5 + spare, 146 Gb, 10k RPM SAS 2.5	4 Ea	HD Raid 5, 300 Gb, 10k RPM Scsii	14 Ea
HP 17" LCD 1200x1600 native resolution	2 Ea	HP 7600 Series SFF, Intel dual core	2 Ea
HP D7800 SFF Pentium 3.4 GHz	6 Ea	HP DL380/G4 Dual Intel Xenon 3.4 GHz	12 Ea
HP DL380/G5 Dual Intel Xenon Quad-Core Processor	4 Ea	HP ML370/G3 Dual IBM Intel Xenon, 2.8 GHz	3 Ea
HP Storageworks Dat 40	14 Ea	Keyboard/touchpad/19" LCD combo	1 Ea
KVM switch 16 port primary	1 Ea	KVM switch 16 port slave	1 Ea
KVM switch, Avocent 1415 8 port	2 Ea	NEC 21" 1200x1600 native resolution	2 Ea
NEC 5800 Fault-tolerant, Intel Xenon 2.4 GHz	8 Ea	Patch panel 48 way	2 Ea
Rack 19" APC internal shelf	6 Ea	Rack 19" APC Netshelter 42U	3 Ea
Rack 19" Encore 52U, glass front door	5 Ea	Rack 19" Encore Fan assembly	5 Ea
RAID Controller 64 bit SCSIII	8 Ea	Raid Controller Smart Array 6402	3 Ea
Raid Controller Smart Array 6i	11 Ea	Raid Controller Smart Array P400/512	4 Ea
RAM 1GB	6 Ea	RAM 1GB ECC	2 Ea
RAM 2GB	16 Ea	RAM 2GB ECC	12 Ea
RAM 3.25 GB ECC	4 Ea	RAM 3GB	2 Ea
Rocket port 4Si	2 Ea	SCADA WinCC Server, Dbase SQL	6 Ea
SCADA WinCC Server, WebNav, Dbase SQL	1 Ea	SCO Unix 5.0	2 Ea
SCO Unix 6.0	12 Ea	Siemens Proprietary Sort Controller	14 Ea
Siemens Proprietary UUI	1 Ea	Siemens Step7 Programming suite	1 Ea
Sort Controller Server	14 Ea	User Interface (Putty)	2 Ea
UUI Server	1 Ea	Versitron M7274S 10/100 BaseTX to BaseFX fiber converter	19 Ea
VPN Server	1 Ea	WebNav Server	1 Ea
Windows 2000 Adv Server, SP4	7 Ea	Windows 2003 Server Enterprise, SP2	1 Ea
Windows 2003 Server R2, SP2	4 Ea	Windows XP, SP2	8 Ea
Windows XP, SP3	1 Ea	Work Station Computer	2 Ea

Module: CtIRm_ConB

SCADA WinCC Client	1 Ea	User Interface (Putty)	1 Ea
Work Station Computer	1 Ea		

END OF SUMMARY by MODULE

Details by Module

Module: CCDType: HardwareSubsystem: CCD

1 ton electric chain hoist (Dayton)	1	Ea	1/2 ton manul chain hoist	1	Ea
2 ton manual chain hoist (Dayton)	1	Ea	36 volt Battery discharge unit	1	Ea
36" Belt Cutter	1	Ea	6" grinder (B&D)	2	Ea
Accelerometer	1	Ea	Air compressor	1	Ea
Belt Hog Pulley alignment tool	1	Ea	Bench top drill press ()	1	Ea
Bench top drill press (Dayton)	1	Ea	Box Racking 1 bay 5 shelves	2	Ea
Box Racking 1 bay 6 shelves	6	Ea	Box Racking 1 bay 7 shelves	5	Ea
Columbus McKinnon RT 3 Ton Hoist	5	Ea	Dynameter (Dillon)	1	Ea
Electric Winch (Dayton)	2	Ea	Flexco Belt Lacer 40"	1	Ea
Fork Lift HYSTER	1	Ea	Golf Cart EZGO	4	Ea
Hoist trolley 3 ton	4	Ea	Intermec Easy Loader F2 Bag Tag Reader	1	Ea
JVC Monitor TM-A9V	1	Ea	Miller Matic wire feed welder	1	Ea
Pager Alarm System (ZETRON 6408)	1	Ea	Pallet Racking 1 bay 2 shelves	1	Ea
Pallet Racking 1 bay 3 shelves	28	Ea	Pallet Racking 1 bay 6 shelves	2	Ea
Pallet Racking 1+ bay 3 shelves	1	Ea	Pallet Racking 1+ bay 4 shelves	3	Ea
PCB Signal conditioner	1	Ea	Radios	10	Ea
Sanyo Digital Color CCTV camera	1	Ea	Seal replacement tool kit	1	Ea
Secure fencing (Parts Storage)	180	If	Sizzor Lift	3	Ea
Super Circuit time Lapse Recorder VCR1280	1	Ea	Surveyors tripod	1	Ea
Wooden Racking 2 bay 5 shelves	3	Ea			

Type: SupportSubsystem: Local Laptop

AB RSLogix 5 Programming Suite	1	Ea	AB RSLogix 500 Programming Suite	1	Ea
Symax PLC Programming suite	1	Ea	Toshiba Satellite Pro (RS232 Serial port)	1	Ea
Windows 95	1	Ea			

Module: 1EType: Conveyor DetailSubsystem: 8EIB1A

Conveyor incline	4	Ea	Conveyor length IB, summary	269	If_tot
Conveyor load	2	Ea	Conveyor straight	2	Ea
Power turn, 90 deg	5	Ea	Power turn, spiral, 90 deg	2	Ea
Security door	1	Ea			

Subsystem: 8EIB2A

Conveyor incline	3	Ea	Conveyor length IB, summary	225	If_tot
Conveyor load	2	Ea	Conveyor straight	2	Ea
Power turn, 90 deg	4	Ea	Power turn, spiral, 90 deg	1	Ea
Security door	1	Ea			

Subsystem: 8EIB3A

<u>Subsystem:</u> 8EIB3A			Conveyor incline	2	Ea
Conveyor length IB, summary	281	If_tot	Conveyor load	2	Ea
Conveyor straight	4	Ea	Power turn, 90 deg	4	Ea
Power turn, spiral, 90 deg	1	Ea	Queue belt	1	Ea
Security door	1	Ea			
<u>Subsystem:</u> T9					
Conveyor decline	5	Ea	Conveyor length, OB summary	351	If_tot
Conveyor straight	2	Ea	Conveyor ticketing	2	Ea
Merge, 45 deg	1	Ea	Power turn, 45 deg	1	Ea
Power turn, 90 deg	5	Ea	Power turn, spiral, 90 deg	1	Ea
Queue belt	3	Ea	Queue belt (ext)	1	Ea
Security door	1	Ea			
<u>Subsystem:</u> T07					
Oversize Pflow lift	1	Ea	Security door	2	Ea
Tote conveyor	8	Ea	Tote lift conveyor	2	Ea
Tote load conveyor	2	Ea	Tote raise/lower conveyor	4	Ea
Tote sizzor lift conveyor	1	Ea	Tote unload conveyor	1	Ea
<u>Subsystem:</u> T08					
Oversize Pflow lift	1	Ea	Security door	2	Ea
Tote conveyor	8	Ea	Tote lift conveyor	2	Ea
Tote load conveyor	2	Ea	Tote raise/lower conveyor	4	Ea
Tote sizzor lift conveyor	1	Ea	Tote unload conveyor	1	Ea
<u>Subsystem:</u> T09					
Oversize Pflow lift	2	Ea	Security door	2	Ea
Tote conveyor	10	Ea	Tote lift conveyor	2	Ea
<u>Subsystem:</u> C10					
Conveyor decline	1	Ea	Conveyor length, OB summary	192	If_tot
Conveyor load	1	Ea	Conveyor straight	2	Ea
Merge, 45 deg	1	Ea	Power turn, 45 deg	1	Ea
Power turn, 90 deg	1	Ea	Power turn, spiral, 180 deg	6	Ea
Queue belt	2	Ea	Security door	1	Ea
<u>Subsystem:</u> C11					
Conveyor decline	1	Ea	Conveyor length, OB summary	310	If_tot
Conveyor load	1	Ea	Conveyor straight	5	Ea
Merge, 45 deg	1	Ea	Power turn, 45 deg	2	Ea
Power turn, 90 deg	4	Ea	Power turn, spiral, 180 deg	6	Ea
Queue belt	2	Ea	Queue belt (ext)	1	Ea
Security door	1	Ea			
<u>Subsystem:</u> C12					
Conveyor decline	1	Ea	Conveyor length, OB summary	43	If_tot
Conveyor straight	1	Ea	Merge, 45 deg	1	Ea
Power turn, 45 deg	1	Ea	Queue belt	1	Ea
Security door	1	Ea			
<u>Subsystem:</u> C9					

<u>Subsystem:</u> C9					
Conveyor decline	2	Ea	Conveyor length, OB summary	111	If_tot
Conveyor straight	2	Ea	Merge, 45 deg	1	Ea
Power turn, 45 deg	1	Ea	Queue belt	4	Ea
Security door	1	Ea			
<u>Subsystem:</u> T10					
Conveyor decline	1	Ea	Conveyor length, OB summary	87	If_tot
Conveyor straight	1	Ea	Conveyor ticketing	3	Ea
Merge, 45 deg	1	Ea	Power turn, 45 deg	1	Ea
Power turn, 90 deg	1	Ea	Queue belt (ext)	1	Ea
Security door	1	Ea			
<u>Subsystem:</u> T11					
Conveyor decline	1	Ea	Conveyor length, OB summary	50	If_tot
Conveyor straight	1	Ea	Conveyor ticketing	0	Ea
Merge, 45 deg	1	Ea	Power turn, 45 deg	1	Ea
Power turn, 90 deg	1	Ea	Queue belt	1	Ea
Security door	1	Ea			
<u>Subsystem:</u> T12					
Conveyor decline	4	Ea	Conveyor length, OB summary	295	If_tot
Conveyor straight	2	Ea	Conveyor ticketing	2	Ea
Merge, 45 deg	1	Ea	Power turn, 45 deg	1	Ea
Power turn, 90 deg	4	Ea	Queue belt	3	Ea
Queue belt (ext)	1	Ea	Security door	1	Ea
<u>Subsystem:</u> OS5					
Conveyor length, OS summary	69	If_tot	Conveyor OS decline	2	Ea
Conveyor OS straight	1	Ea	Oversize unload slide	1	Ea
Power turn OS, 90 deg	1	Ea	Security door	1	Ea
<u>Subsystem:</u> OS6					
Conveyor length, OS summary	69	If_tot	Conveyor OS decline	2	Ea
Conveyor straight	1	Ea	Oversize unload slide	1	Ea
Power turn OS, 90 deg	1	Ea	Security door	1	Ea
<u>Subsystem:</u> LSS1					
Conveyor decline	5	Ea	Conveyor incline	2	Ea
Conveyor length, OB summary	719	If_tot	Conveyor straight	10	Ea
High-speed diverter	1	Ea	Power turn, 45 deg	4	Ea
Power turn, 90 deg	4	Ea	Power turn, spiral, 135 deg	1	Ea
Power turn, spiral, 45 deg	1	Ea	Power turn, spiral, 90 deg	1	Ea
Queue belt	13	Ea	Takeaway, 45 deg	1	Ea
<u>Subsystem:</u> LSS2					
Conveyor decline	1	Ea	Conveyor incline	1	Ea
Conveyor length, OB summary	122	If_tot	High-speed diverter	1	Ea
Merge, 45 deg	1	Ea	Power turn, 45 deg	1	Ea
Queue belt	8	Ea	Queue belt (ext)	2	Ea
Takeaway, 45 deg	1	Ea	VFD	2	Ea

Subsystem: LSS3

Conveyor decline	1	Ea	Conveyor incline	1	Ea
Conveyor length, OB summary	113	If_tot	High-speed diverter	1	Ea
Merge, 45 deg	1	Ea	Power turn, 45 deg	1	Ea
Queue belt	7	Ea	Queue belt (ext)	2	Ea
Takeaway, 45 deg	1	Ea	VFD	3	Ea

Subsystem: LSS4

Conveyor decline	1	Ea	Conveyor incline	1	Ea
Conveyor length, OB summary	104	If_tot	High-speed diverter	1	Ea
Merge, 45 deg	1	Ea	Power turn, 45 deg	3	Ea
Queue belt	7	Ea	Queue belt (ext)	2	Ea
Takeaway, 45 deg	1	Ea	VFD	3	Ea

Subsystem: LSS5

Conveyor decline	1	Ea	Conveyor length, OB summary	95	If_tot
High-speed diverter	1	Ea	Merge, 45 deg	1	Ea
Power turn, 45 deg	3	Ea	Queue belt	7	Ea
Queue belt (ext)	2	Ea	Takeaway, 45 deg	1	Ea
VFD	3	Ea			

Subsystem: RC1

Conveyor incline	1	Ea	Conveyor length, OB summary	110	If_tot
Conveyor load	1	Ea	Conveyor straight	1	Ea
Merge, 45 deg	1	Ea	Power turn, 45 deg	1	Ea
Power turn, 90 deg	2	Ea	Queue belt	2	Ea
Queue belt (ext)	1	Ea			

Subsystem: TSA

Conveyor incline	2	Ea	Conveyor length, OB summary	189	If_tot
Conveyor straight	2	Ea	Merge, 45 deg	1	Ea
Power turn, 45 deg	2	Ea	Power turn, 90 deg	3	Ea
Power turn, spiral, 90 deg	3	Ea	Queue belt	5	Ea
Queue belt (ext)	1	Ea			

Subsystem: USS1

Conveyor length, OB summary	391	If_tot	Conveyor straight	10	Ea
Power turn, 45 deg	4	Ea	Power turn, 90 deg	2	Ea
Queue belt	1	Ea			

Subsystem: USS2

Conveyor decline	1	Ea	Conveyor incline	1	Ea
Conveyor length, OB summary	122	If_tot	Conveyor straight	1	Ea
High-speed diverter	1	Ea	Merge, 45 deg	1	Ea
Queue belt	12	Ea	Queue belt (ext)	2	Ea
VFD	3	Ea			

Subsystem: USS3

Conveyor decline	1	Ea	Conveyor incline	1	Ea
Conveyor length, OB summary	113	If_tot	High-speed diverter	1	Ea

<u>Subsystem:</u> USS3			Merge, 45 deg	1	Ea
Queue belt	11	Ea	Queue belt (ext)	2	Ea
VFD	3	Ea			
<u>Subsystem:</u> USS4					
Conveyor decline	1	Ea	Conveyor incline	1	Ea
Conveyor length, OB summary	103	If_tot	High-speed diverter	1	Ea
Merge, 45 deg	1	Ea	Power turn, 45 deg	2	Ea
Queue belt	10	Ea	Queue belt (ext)	4	Ea
VFD	3	Ea			
<u>Subsystem:</u> USS5					
Conveyor decline	1	Ea	Conveyor incline	1	Ea
Conveyor length, OB summary	93	If_tot	High-speed diverter	1	Ea
Merge, 45 deg	1	Ea	Power turn, 45 deg	2	Ea
Queue belt	11	Ea	Queue belt (ext)	2	Ea
VFD	2	Ea			
<u>Subsystem:</u> UTL					
Conveyor decline	1	Ea	Conveyor length, OB summary	77	If_tot
Conveyor straight	2	Ea	High-speed diverter	1	Ea
Merge, 45 deg	1	Ea	Power turn, 30 deg	2	Ea
Power turn, 45 deg	1	Ea	Queue belt	3	Ea
<u>Subsystem:</u> ML1					
Conveyor decline	3	Ea	Conveyor incline	1	Ea
Conveyor incline/decline	1	Ea	Conveyor length, OB summary	451	If_tot
Conveyor straight	7	Ea	High-speed diverter	1	Ea
Power turn, 90 deg	5	Ea	Power turn, spiral, 90 deg	1	Ea
Queue belt (ext)	1	Ea			
<u>Subsystem:</u> MU1EN					
Conveyor decline	2	Ea	Conveyor incline	1	Ea
Conveyor incline/decline	2	Ea	Conveyor length, OB summary	475	If_tot
Conveyor straight	7	Ea	High-speed diverter	1	Ea
Power turn, 30 deg	2	Ea	Power turn, 90 deg	2	Ea
Power turn, spiral, 90 deg	1	Ea	Queue belt	4	Ea
<u>Subsystem:</u> MU1ES					
Conveyor incline	1	Ea	Conveyor incline/decline	2	Ea
Conveyor length, OB summary	290	If_tot	Conveyor straight	4	Ea
High-speed diverter	2	Ea	Power turn, 30 deg	2	Ea
Power turn, 90 deg	2	Ea	Power turn, spiral, 90 deg	2	Ea
Queue belt	4	Ea	Queue belt (ext)	2	Ea
<u>Subsystem:</u> outbound					
Carousel length, summary	677	If_tot	Make-up unit, slope-plate	4	Ea
<u>Subsystem:</u> TX1					
Conveyor decline	1	Ea	Conveyor length, OB summary	251	If_tot
Conveyor straight	7	Ea	High-speed diverter	1	Ea

<u>Subsystem:</u> TX1			Power turn, 45 deg	1	Ea
Power turn, 90 deg	1	Ea	Takeaway, 45 deg	1	Ea
<u>Subsystem:</u> UC1					
Conveyor decline	1	Ea	Conveyor length, OB summary	49	If_tot
Conveyor straight	1	Ea	High-speed diverter	1	Ea
Merge, 45 deg	1	Ea	Power turn, spiral, 45 deg	1	Ea
Queue belt	3	Ea	VFD	1	Ea
<u>Subsystem:</u> inbound					
Carousel length, IB summary	559	If_tot	Claim unit, slope-plate	3	Ea
Oversize pax slide	1	Ea	Ski claim	1	Ea
<u>Type:</u> Conveyor Length					
<u>Subsystem:</u> Summary					
Conveyor length, decline	757	If	Conveyor length, incline	333	If
Conveyor length, straight	2481	If			
<u>Type:</u> Location					
<u>Subsystem:</u> General					
Garage level 3 (NE corner)		Ea	N20-N0 /E1-E20		Ea
Terminal Levels 6, 5, 4, 3 (NE corner)		Ea			
<u>Type:</u> Drawing Set					
<u>Subsystem:</u> Electrical					
P003004-01E100A_revE (drwg index - MCP 1E1)	1	Set	P003004-02E100A_revF (drwg index - MCP 2E1)	1	Set
P003004-03E100A_revF (drwg index - MCP 3E1)	1	Set	P003004-04E100A_revD (drwg index - MCP 4E1)	1	Set
P003004-05E100A_revH (drwg index - MCP 5E1)	1	Set	P003004-07E100A_revE (drwg index - MCP 7E1)	1	Set
P003004-08E100A_revE (drwg index - MCP 8E1)	1	Set	P003004-09E100A_revC (drwg index - MCP 9E1)	1	Set
P003004-10E100A_revC (drwg index - MCP 10E1)	1	Set	P003004-11E100A_revC (drwg index - MCP 11E1)	1	Set
P003004-12E100A_revE (drwg index - MCP 12E1)	1	Set	P003004-13E100A_revC (drwg index - MCP 13E1)	1	Set
P003004-14E100A_revC (drwg index - MCP 14E1)	1	Set	P003004-15E100A_revC (drwg index - MCP 15E1)	1	Set
P003004-16E100A_revC (drwg index - MCP 16E1)	1	Set	P003004-17E100A_revJ (drwg index - MCP 17E1)	1	Set
P003004-18E100A_revH (drwg index - MCP 18E1)	1	Set	P003004-19E100A_revH (drwg index - MCP 19E1)	1	Set
P003004-6E100A_revE (drwg index - MCP 6E1)	1	Set	P003004-CC-1100_revH (drwg index - MCP CC-11)	1	Set
P003004-CC-1200_revF (drwg index - MCP CC-12)	1	Set	P003004-CC-13-00_revJ (drwg index - MCP CC-13)	1	Set
P003004-CC-14-00_revJ (drwg index - MCP CC-14)	1	Set	P003004COMM-1E00A_revG (drwg index - ethernet wiring)	1	Set
P003004LCP-1E00A_revG (drwg index - LCP-1E)	1	Set	P003004-MCP-LOC-E1-00_revH (drwg index - MCP locations)	1	Set
P003004PBCOMM-1E00A_revG (drwg index - profibus comms)	1	Set	P003004SYSE1-00A_revG (drwg index - one-line diagrams)	1	Set
<u>Subsystem:</u> Mechanical					

<u>Subsystem:</u> Mechanical			B03004-I1-05_rev41 (drwg index)	1	Set
B03004-I1-06_rev37 (drwg index)	1	Set			
<u>Type:</u> Power Source					
<u>Subsystem:</u> Electrical					
Panel 3-8BD1	1	Ea	Panel 3-8BSB1	1	Ea
Panel 3-8DD1	1	Ea	Panel 3-8DSB1	1	Ea
<u>Type:</u> Subsystems					
<u>Subsystem:</u> Curbside					
C10-1/15	1	Line	C11-1/22	1	Line
C12-1/5	1	Line	C9-1/10	1	Line
<u>Subsystem:</u> Ticketing					
T10-1/8	1	Line	T11-1/8	1	Line
T12-1/19	1	Line	T9-1/21	1	Line
TO7	1	Line	TO8	1	Line
TO9	1	Line			
<u>Subsystem:</u> Oversize					
OS5-1/4	1	Line	OS6-1/4	1	Line
TO7	1	Lift/Tote	TO8	1	Lift/Tote
TO9	1	Lift/Tote			
<u>Subsystem:</u> Screening					
1ELSS1-1/44	1	Line	1ELSS2-1/15	1	Line
1ELSS3-1/14	1	Line	1ELSS4-1/15	1	Line
1ELSS5-1/15	1	Line	1EML1-1/21	1	Line
1ETSA-1/19	1	Line	1EUSS1-1/17	1	Line
1EUSS2-1/14	1	Line	1EUSS3-1/16	1	Line
1EUSS4-1/19	1	Line	1EUSS5-1/15	1	Line
1EUTL1-1/10	1	Line			
<u>Subsystem:</u> Make-up					
1EMU1	1	MU	1EMU2	1	MU
1EMU3	1	MU	1EMU4	1	MU
1ERC-1/10	1	Line	1EUC1-1/7	1	Line
MU1EN-14/31	1	Line	MU1ES-7/28	1	Line
<u>Subsystem:</u> Transfer					
TX1-1/13	1	Line			
<u>Subsystem:</u> Inbound					
8EIB1B	1	Line	8EIB2B	1	Line
8EIB3B	1	Line			
<u>Type:</u> Motors					
<u>Subsystem:</u> Sizes					

<u>Subsystem:</u> Sizes			<u>Subsystem:</u> Motor 1HP		
Motor 2HP	170	Ea	Motor 3HP	15	Ea
Motor 5HP	22	Ea	Motor 7.5HP	2	Ea
<u>Type:</u> LCP					
<u>Subsystem:</u> Oversize			<u>Subsystem:</u> Motor 1HP		
Contactora, non-reversing	6	Ea	Contactora, reversing	2	Ea
Fuse	21	Ea	Panel Heater	3	Ea
PLC Allen Bradley PLC5	2	Ea	PLC Square D Symax	3	Ea
Relay	6	Ea	Symax Digital module, 110V AC input, 16 I/O	9	Ea
Symax Digital module, 110V AC output, 16 I/O	9	Ea	Transformer	2	Ea
<u>Subsystem:</u> Primary					
PLC Siemens S7	6	Ea	S7 Digital module, 24V DC input, 16 I/O	1	Ea
S7 EtherNet interface 100 BaseT	6	Ea	S7 Power supply, 10A 5V	6	Ea
S7 Repeater module	12	Ea			
<u>Subsystem:</u> Redundant					
PLC Siemens S7	6	Ea	S7 Digital module, 24V DC input, 16 I/O	1	Ea
S7 EtherNet interface 100 BaseT	6	Ea	S7 Power supply, 10A 5V	6	Ea
S7 Repeater module	13	Ea			
<u>Type:</u> MCP					
<u>Subsystem:</u> Oversize					
Contactora, non-reversing	51	Ea	Contactora, reversing	64	Ea
External braking resistor	4	Ea	Fuse	166	Ea
Panel Heater	8	Ea	PLC Allen Bradley PLC5	2	Ea
PLC Allen Bradley SLC500	4	Ea	PLC Square D Symax	3	Ea
relays	65	Ea	relays (electronic)	58	Ea
Safetronics VFD	4	Ea	Symax Digital module, 110V AC input, 16 I/O	36	Ea
Symax Digital module, 110V AC output, 16 I/O	28	Ea	Symax Power Supply external	5	Ea
Symax Power Supply internal	3	Ea	Transformer	10	Ea
<u>Subsystem:</u> outbound					
Contactora, non-reversing	474	Ea	Contactora, reversing	36	Ea
Fuse	746	Ea	Power supply, 24 VDC	40	Ea
Profibus interface	46	Ea	Regulator	4	Ea
Relay	783	Ea	S7 Digital module, 110 VAC output	8	Ea
S7 Digital module, 24V DC input, 16 I/O	196	Ea	S7 Digital module, 24V DC output, 16 I/O	148	Ea
Soft start	4	Ea	Transformer	35	Ea
<u>Subsystem:</u> Inbound					
PLC Square D Symax	3	Ea	Symax Digital module, 110V AC input, 16 I/O		Ea
Symax Digital module, 110V AC output, 16 I/O		Ea	Symax Power Supply external		Ea
Symax Power Supply internal		Ea			

<u>Subsystem:</u>		Total			
MCP cabinet	23	Ea			
<u>Type:</u>		Control Devices			
<u>Subsystem:</u>		Total			
Badge reader	14	Ea	Bag tag reader	8	Ea
Control station	268	Ea	Door	10	Ea
Duplex	13	Ea	Limit switch	20	Ea
Maintenance intervention control station (MICS)	83	Ea	Photo eye	440	Ea
Run lanyard	3	Ea	Shaft encoder	73	Ea
Warning alarm	65	Ea			
<u>Type:</u>		Cabling			
<u>Subsystem:</u>		Total			
Fiber	780	If			
<u>Type:</u>		Computer Systems			
<u>Subsystem:</u>		Appendix H Workstation			
CD-R drive	1	Ea	HD 60 GB hard drive	1	Ea
HP D9600 Intel SFF PC	1	Ea	NEC 20.1 LCD 1200x1600 native resolution	1	Ea
Ram 1GB	1	Ea	Rocket port 4Si	1	Ea
Symbol LS3408 wireless hand-scanner/cradle	3	Ea	Windows XP, SP2	1	Ea
<u>Subsystem:</u>		Graphics			
Siemens 15" Graphics touch panel	3	Ea			
<u>Subsystem:</u>		Hardware			
Appendix H workstation	1	Ea			
<u>Subsystem:</u>		Network			
NTRON 10/100BaseT & 100BaseFX 16 port	3	Ea	Rocket port 4Si	2	Ea
<u>Type:</u>		GFE			
<u>Subsystem:</u>		Total			
CI	1	Ea	CT-80 XLDR	1	Ea
CTX9000	5	Ea	ETD	10	Ea
pTRI	15	Ea	TRI	5	Ea
<u>Module:</u>		1W			
<u>Type:</u>		Conveyor Detail			
<u>Subsystem:</u>		8WIB1A			
Conveyor incline	4	Ea	Conveyor length IB, summary	276	If_tot
Conveyor load	2	Ea	Conveyor straight	2	Ea

1W - Conveyor Detail

<u>Subsystem:</u> 8WIB1A			Power turn, 90 deg	6	Ea
Power turn, spiral, 90 deg	1	Ea	Security door	1	Ea
<u>Subsystem:</u> 8WIB2A					
Conveyor incline	3	Ea	Conveyor length IB, summary	226	If_tot
Conveyor load	2	Ea	Conveyor straight	1	Ea
Power turn, 90 deg	4	Ea	Power turn, spiral, 90 deg	1	Ea
Security door	1	Ea			
<u>Subsystem:</u> 8WIB3A					
Conveyor incline	3	Ea	Conveyor length IB, summary	283	If_tot
Conveyor load	2	Ea	Conveyor straight	3	Ea
Power turn, 90 deg	4	Ea	Power turn, spiral, 90 deg	1	Ea
Queue belt	2	Ea	Security door	1	Ea
<u>Subsystem:</u> OS7					
Conveyor length, OS summary	69	If_tot	Conveyor OS decline	2	Ea
Conveyor OS load	1	Ea	Conveyor OS straight	1	Ea
Oversize unload slide	1	Ea	Power turn OS, 90 deg	1	Ea
Security door	1	Ea			
<u>Subsystem:</u> OS8					
Conveyor length, OS summary	69	If_tot	Conveyor load	1	Ea
Conveyor OS decline	2	Ea	Conveyor OS load	1	Ea
Conveyor OS straight	1	Ea	Oversize unload slide	1	Ea
Security door	1	Ea			
<u>Subsystem:</u> TO10					
Oversize Pflow lift	1	Ea	Security door	2	Ea
Tote conveyor	10	Ea	Tote lift conveyor	2	Ea
Tote load conveyor	2	Ea	Tote raise/lower conveyor	4	Ea
Tote sizzor lift conveyor	1	Ea	Tote unload conveyor	1	Ea
<u>Subsystem:</u> TO11					
Oversize Pflow lift	1	Ea	Security door	2	Ea
Tote conveyor	10	Ea	Tote lift conveyor	2	Ea
Tote load conveyor	2	Ea	Tote raise/lower conveyor	4	Ea
Tote sizzor lift conveyor	1	Ea	Tote unload conveyor	1	Ea
<u>Subsystem:</u> TO12					
Oversize Pflow lift	2	Ea	Security door	2	Ea
Tote conveyor	10	Ea	Tote lift conveyor	2	Ea
<u>Subsystem:</u> C19					
Conveyor decline	2	Ea	Conveyor length, OB summary	109	If_tot
Conveyor straight	3	Ea	Merge, 45 deg	1	Ea
Power turn, 45 deg	1	Ea	Queue belt	3	Ea
Security door	1	Ea			
<u>Subsystem:</u> C20					

<u>Subsystem:</u> C20			Conveyor decline	1	Ea
Conveyor length, OB summary	154	If_tot	Conveyor straight	2	Ea
Merge, 45 deg	1	Ea	Power turn, 45 deg	1	Ea
Power turn, 90 deg	1	Ea	Power turn, spiral, 180 deg	6	Ea
Queue belt	2	Ea	Security door	1	Ea
<u>Subsystem:</u> C21					
Conveyor decline	2	Ea	Conveyor length, OB summary	275	If_tot
Conveyor straight	2	Ea	Merge, 45 deg	1	Ea
Power turn, 45 deg	2	Ea	Power turn, 90 deg	3	Ea
Power turn, spiral, 180 deg	6	Ea	Queue belt	3	Ea
Security door	1	Ea			
<u>Subsystem:</u> C22					
Conveyor decline	1	Ea	Conveyor length, OB summary	43	If_tot
Conveyor straight	1	Ea	Merge, 45 deg	1	Ea
Power turn, 45 deg	1	Ea	Queue belt	1	Ea
Security door	1	Ea			
<u>Subsystem:</u> T13					
Conveyor decline	4	Ea	Conveyor incline	1	Ea
Conveyor length, OB summary	351	If_tot	Conveyor straight	3	Ea
Conveyor ticketing	2	Ea	Merge, 45 deg	1	Ea
Power turn, 45 deg	1	Ea	Power turn, 90 deg	6	Ea
Queue belt	3	Ea	Security door	1	Ea
<u>Subsystem:</u> T14					
Conveyor decline	1	Ea	Conveyor length, OB summary	76	If_tot
Conveyor straight	1	Ea	Conveyor ticketing	1	Ea
Merge, 45 deg	1	Ea	Power turn, 45 deg	1	Ea
Power turn, 90 deg	1	Ea	Queue belt	2	Ea
Security door	1	Ea			
<u>Subsystem:</u> T15					
Conveyor decline	1	Ea	Conveyor length, OB summary	84	If_tot
Conveyor straight	1	Ea	Conveyor ticketing	1	Ea
Merge, 45 deg	1	Ea	Power turn, 45 deg	1	Ea
Power turn, 90 deg	1	Ea	Queue belt	2	Ea
Security door	1	Ea			
<u>Subsystem:</u> T16					
Conveyor decline	5	Ea	Conveyor length, OB summary	296	If_tot
Conveyor straight	3	Ea	Conveyor ticketing	2	Ea
Merge, 45 deg	1	Ea	Power turn, 45 deg	1	Ea
Power turn, 90 deg	5	Ea	Queue belt	4	Ea
Security door	1	Ea	Security door	1	Ea
<u>Subsystem:</u> LSS1					
Conveyor decline	3	Ea	Conveyor incline	1	Ea
Conveyor length, OB summary	719	If_tot	Conveyor straight	15	Ea
High-speed diverter	1	Ea	Power turn, 45 deg	6	Ea
Power turn, 90 deg	4	Ea	Power turn, spiral, 135 deg	1	Ea

<u>Subsystem:</u> LSS1			Power turn, spiral, 90 deg	3	Ea
Queue belt	11	Ea	Takeaway, 45 deg	1	Ea
<u>Subsystem:</u> LSS2					
Conveyor decline	1	Ea	Conveyor incline	1	Ea
Conveyor length, OB summary	122	If_tot	High-speed diverter	1	Ea
Merge, 45 deg	1	Ea	Power turn, 45 deg	1	Ea
Queue belt	10	Ea	Takeaway, 45 deg	1	Ea
VFD	2	Ea			
<u>Subsystem:</u> LSS3					
Conveyor decline	1	Ea	Conveyor incline	1	Ea
Conveyor length, OB summary	113	If_tot	High-speed diverter	1	Ea
Merge, 45 deg	1	Ea	Power turn, 45 deg	1	Ea
Queue belt	9	Ea	Takeaway, 45 deg	1	Ea
VFD	3	Ea			
<u>Subsystem:</u> LSS4					
Conveyor decline	1	Ea	Conveyor incline	1	Ea
Conveyor length, OB summary	104	If_tot	High-speed diverter	1	Ea
Merge, 45 deg	1	Ea	Power turn, 45 deg	3	Ea
Queue belt	8	Ea	Takeaway, 45 deg	1	Ea
VFD	3	Ea			
<u>Subsystem:</u> LSS5					
Conveyor length, OB summary	95	If_tot	Conveyor straight	1	Ea
High-speed diverter	1	Ea	Merge, 45 deg	1	Ea
Power turn, 45 deg	3	Ea	Queue belt	9	Ea
Takeaway, 45 deg	1	Ea	VFD	3	Ea
<u>Subsystem:</u> TSA					
Conveyor incline	3	Ea	Conveyor length, OB summary	196	If_tot
Conveyor straight	1	Ea	Merge, 45 deg	1	Ea
Power turn, 45 deg	4	Ea	Power turn, 90 deg	3	Ea
Power turn, spiral, 90 deg	4	Ea	Queue belt	3	Ea
<u>Subsystem:</u> USS1					
Conveyor length, OB summary	391	If_tot	Conveyor straight	10	Ea
Power turn, 45 deg	4	Ea	Power turn, 90 deg	2	Ea
Queue belt	1	Ea			
<u>Subsystem:</u> USS2					
Conveyor decline	1	Ea	Conveyor incline	1	Ea
Conveyor length, OB summary	120	If_tot	Conveyor straight	1	Ea
High-speed diverter	1	Ea	Merge, 45 deg	1	Ea
Queue belt	13	Ea	Takeaway, 45 deg	1	Ea
VFD	3	Ea			
<u>Subsystem:</u> USS3					
Conveyor decline	1	Ea	Conveyor incline	1	Ea
Conveyor length, OB summary	112	If_tot	High-speed diverter	1	Ea

<u>Subsystem:</u> USS3			Merge, 45 deg	1	Ea
Queue belt	11	Ea	Takeaway, 45 deg	1	Ea
VFD	3	Ea			
<u>Subsystem:</u> USS4					
Conveyor decline	1	Ea	Conveyor incline	1	Ea
Conveyor length, OB summary	102	If_tot	Conveyor straight	2	Ea
High-speed diverter	1	Ea	Merge, 45 deg	1	Ea
Power turn, 45 deg	2	Ea	Queue belt	11	Ea
Takeaway, 45 deg	1	Ea	VFD	3	Ea
<u>Subsystem:</u> USS5					
Conveyor incline	1	Ea	Conveyor length, OB summary	93	If_tot
Conveyor straight	1	Ea	High-speed diverter	1	Ea
Merge, 45 deg	1	Ea	Power turn, 45 deg	2	Ea
Queue belt	12	Ea	Takeaway, 45 deg	1	Ea
VFD	3	Ea			
<u>Subsystem:</u> UTL1					
Conveyor decline	1	Ea	Conveyor length, OB summary	78	If_tot
Conveyor straight	2	Ea	High-speed diverter	1	Ea
Merge, 45 deg	1	Ea	Power turn, 30 deg	2	Ea
Power turn, 45 deg	1	Ea	Queue belt	3	Ea
<u>Subsystem:</u> ML1					
Conveyor decline	4	Ea	Conveyor incline	1	Ea
Conveyor incline/decline	1	Ea	Conveyor length, OB summary	440	If_tot
Conveyor straight	8	Ea	High-speed diverter	1	Ea
Power turn, 90 deg	5	Ea	Power turn, spiral, 90 deg	1	Ea
<u>Subsystem:</u> MU1WN					
Conveyor decline	1	Ea	Conveyor incline	1	Ea
Conveyor incline/decline	2	Ea	Conveyor length, OB summary	431	If_tot
Conveyor straight	7	Ea	High-speed diverter	1	Ea
Power turn, 90 deg	2	Ea	Power turn, spiral, 90 deg	1	Ea
Queue belt	4	Ea			
<u>Subsystem:</u> MU1WS					
Conveyor decline	2	Ea	Conveyor incline	1	Ea
Conveyor incline/decline	2	Ea	Conveyor length, OB summary	291	If_tot
Conveyor straight	7	Ea	High-speed diverter	2	Ea
Power turn, 30 deg	2	Ea	Power turn, 90 deg	2	Ea
Power turn, spiral, 90 deg	1	Ea	Queue belt	4	Ea
<u>Subsystem:</u> outbound					
Carousel length, summary	677	If_tot	Make-up unit, slope-plate	4	Ea
<u>Subsystem:</u> UC1					
Conveyor decline	2	Ea	Conveyor length, OB summary	84	If_tot
High-speed diverter	1	Ea	Merge, 45 deg	1	Ea
Power turn, 90 deg	1	Ea	Power turn, spiral, 45 deg	1	Ea

<u>Subsystem:</u> UC1			Queue belt	3	Ea
VFD	1	Ea			
<u>Subsystem:</u> inbound					
Carousel length, IB summary	559	If_tot	Claim unit, slope-plate	3	Ea
Oversize pax slide	1	Ea	Ski claim	1	Ea
<u>Type:</u> Conveyor Length					
<u>Subsystem:</u> Summary					
Conveyor length, decline	762	If	Conveyor length, incline	270	If
Conveyor length, straight	2738	If			
<u>Type:</u> Location					
<u>Subsystem:</u> General					
Garage level 3 (NW corner)		Ea	N20-N30 / W1-W20		Ea
Terminal levels 6, 5, 4, 3 (NW corner)		Ea			
<u>Type:</u> Drawing Set					
<u>Subsystem:</u> Electrical					
P003004-01W100A_revXX (drwg index - MCP 1E2)	1	Set	P003004-03W100A_revXX (drwg index - MCP 3E2)	1	Set
P003004-05W100A_revXX (drwg index - MCP 5E2)	1	Set	P003004-06W100A_revXX (drwg index - MCP 6E2)	1	Set
P003004-07W100A_revXX (drwg index - MCP 7E2)	1	Set	P003004-08W100A_revXX (drwg index - MCP 8E2)	1	Set
P003004-09W100A_revXX (drwg index - MCP 9E2)	1	Set	P003004-10W100A_revXX (drwg index - MCP 10E2)	1	Set
P003004-11W100A_revXX (drwg index - MCP 11E2)	1	Set	P003004-12W100A_revXX (drwg index - MCP 12E2)	1	Set
P003004-13W100A_revXX (drwg index - MCP 13E2)	1	Set	P003004-14W100A_revXX (drwg index - MCP 14E2)	1	Set
P003004-15W100A_revXX (drwg index - MCP 15E2)	1	Set	P003004-16W100A_revXX (drwg index - MCP 16E2)	1	Set
P003004-17W100A_revXX (drwg index - MCP 17E2)	1	Set	P003004-18W100A_revXX (drwg index - MCP 18E2)	1	Set
P003004-19W100A_revXX (drwg index - MCP 19E2)	1	Set	P003004-2W100A_revXX (drwg index - MCP 2E2)	1	Set
P003004-4W100A_revXX (drwg index - MCP 4E2)	1	Set	P003004-CC-3100_revXX (drwg index - MCP CC-21)	1	Set
P003004-CC-3200_revXX (drwg index - MCP CC-22)	1	Set	P003004COMM-1W00A_revXX (drwg index - ethernet wiring)	1	Set
P003004LCP-1W00A_revXX (drwg index - LCP-2E)	1	Set	P003004-MCP-LOC-W1-00_revXX (drwg index - MCP locations)	1	Set
P003004PBCOMM-1W00A_revXX (drwg index - profibus comms)	1	Set	P003004SYSW1-00A_revXX (drwg index - one-line diagrams)	1	Set
<u>Subsystem:</u> Mechanical					
B03004-I1-05_rev41 (drwg index)	1	Set	B03004-I1-06_rev37 (drwg index)	1	Set
<u>Type:</u> Power source					
<u>Subsystem:</u> Electrical					
Panel 3-8AD1	1	Ea	Panel 3-8ASB1	1	Ea
Panel 3-8CD1	1	Ea	Panel 3-8CSB1	1	Ea

Type: SubsystemsSubsystem: Curbside

C19-1/10	1	Line	C20-1/14	1	Line
C21-1/22	1	Line	C22-1/5	1	Line

Subsystem: Ticketing

T13-1/24	1	Line	T14-1/8	1	Line
T15-1/8	1	Line	T16-1/22	1	Line

Subsystem: Over-size

OS7-1/4	1	Line	OS8-1/4	1	Line
T010	1	Lift/Tote	T011	1	Lift/Tote
T012	1	Lift/Tote			

Subsystem: Screening

1WLSS1-1/43	1	Line	1WLSS2-1/15	1	Line
1WLSS3-1/14	1	Line	1WLSS4-1/15	1	Line
1WLSS5-1/15	1	Line	1WTSA-1/19	1	Line
1WUSS1-1/17	1	Line	1WUSS2-1/14	1	Line
1WUSS3-1/16	1	Line	1WUSS4-1/19	1	Line
1WUSS5-1/15	1	Line	1WUTL1-1/10	1	Line

Subsystem: Make-up

1WML1-1/19	1	Line	1WMU1	1	MU
1WMU2	1	MU	1WMU3	1	MU
1WMU4	1	MU	1WRC-1/10	1	Line
1WUC1-1/7	1	Line	MU1WN-15/32	1	Line
MU1WS-6/28	1	Line			

Subsystem: Inbound

8WIB1B	1	Line	8WIB2B	1	Line
8WIB3B	1	Line			

Type: MotorsSubsystem: Sizes

Motor 1HP	13	Ea	Motor 2HP	166	Ea
Motor 3HP	17	Ea	Motor 5HP	23	Ea
Motor 7.5HP	2	Ea			

Type: LCPSubsystem: Oversize

Contactora, non-reversing	6	Ea	Contactora, reversing	2	Ea
Fuse	21	Ea	Panel Heater	3	Ea
PLC Allen Bradley PLC5	2	Ea	PLC Square D Symax	2	Ea
Relay	6	Ea	Symax Digital module, 110V AC input, 16 I/O	9	Ea
Symax Digital module, 110V AC output, 16 I/O	9	Ea	Transformer	2	Ea

Subsystem: Primary

<u>Subsystem:</u> Primary					
PLC Siemens S7	6	Ea	S7 Digital module, 24V DC input, 16 I/O	1	Ea
S7 EtherNet interface 100 BaseT	6	Ea	S7 Power supply, 10A 5V	6	Ea
S7 Repeater module	12	Ea			
<u>Subsystem:</u> Redundant					
PLC Siemens S7	6	Ea	S7 Digital module, 24V DC input, 16 I/O	1	Ea
S7 EtherNet interface 100 BaseT	1	Ea	S7 Power supply, 10A 5V	6	Ea
S7 Repeater module	13	Ea			
<u>Type:</u> MCP					
<u>Subsystem:</u> Oversize					
Contactor, non-reversing	51	Ea	Contactor, reversing	64	Ea
External braking resistor	4	Ea	Fuse	166	Ea
Panel Heater	8	Ea	PLC Allen Bradley PLC5	2	Ea
PLC Allen Bradley SLC500	4	Ea	PLC Square D Symax	2	Ea
relays	65	Ea	relays (electronic)	58	Ea
Safetronics VFD	4	Ea	Symax Digital module, 110V AC input, 16 I/O	36	Ea
Symax Digital module, 110V AC output, 16 I/O	28	Ea	Symax Power Supply external	5	Ea
Symax Power Supply internal	3	Ea	Transformer	10	Ea
<u>Subsystem:</u> outbound					
Contactor, non-reversing	470	Ea	Contactor, reversing	37	Ea
Fuse	747	Ea	Power supply, 24 VDC	40	Ea
Profibus interface	47	Ea	Regulator	4	Ea
Relay	782	Ea	S7 Digital module, 110 VAC output	8	Ea
S7 Digital module, 24V DC input, 16 I/O	193	Ea	S7 Digital module, 24V DC output, 16 I/O	149	Ea
Soft start	4	Ea	Transformer	35	Ea
<u>Subsystem:</u> Inbound					
PLC Square D Symax	3	Ea	Symax Digital module, 110V AC input, 16 I/O		Ea
Symax Digital module, 110V AC output, 16 I/O		Ea	Symax Power Supply external		Ea
Symax Power Supply internal		Ea			
<u>Subsystem:</u> Total					
MCP cabinet	23	Ea			
<u>Type:</u> Control Devices					
<u>Subsystem:</u> Total					
Badge reader	14	Ea	Bag tag reader	8	Ea
Control station	240	Ea	Door	10	Ea
Duplex	12	Ea	Limit switch	20	Ea
Maintenance intervention control station (MICS)	78	Ea	Photo eye	433	Ea
Run lanyard	1	Ea	Shaft encoder	69	Ea
Warning alarm	61	Ea			

Type: CablingSubsystem: Total

Fiber 1240 If

Type: Computer SystemsSubsystem: Appendix H Workstation

CD-R drive	1	Ea	HD 60 GB hard drive	1	Ea
HP D9600 Intel SFF PC	1	Ea	NEC 20.1 LCD 1200x1600 native resolution	1	Ea
Ram 1GB	1	Ea	Rocket port 4Si	1	Ea
Symbol LS3408 wireless hand-scanner/cradle	3	Ea	Windows XP, SP2	1	Ea

Subsystem: Graphics

Siemens 15" Graphics touch panel 3 Ea

Subsystem: Hardware

Appendix H Workstation 1 Ea

Subsystem: Network

NTRON 10/100BaseT & 100BaseFX 16 port	3	Ea	Rocket port 4Si	2	Ea
---------------------------------------	---	----	-----------------	---	----

Type: GFESubsystem: Total

CI	1	Ea	CTX9000	5	Ea
ETD	10	Ea	pTRI	15	Ea
TRI	3	Ea			

Module: 2EType: Conveyor DetailSubsystem: 11EIB1A

Conveyor incline	4	Ea	Conveyor length IB, summary	276	If_tot
Conveyor load	2	Ea	Conveyor straight	2	Ea
Power turn, 90 deg	6	Ea	Power turn, spiral, 90 deg	1	Ea
Security door	1	Ea			

Subsystem: 11EIB2A

Conveyor incline	3	Ea	Conveyor length IB, summary	225	If_tot
Conveyor load	2	Ea	Conveyor straight	2	Ea
Power turn, 90 deg	4	Ea	Power turn, spiral, 90 deg	1	Ea
Security door	1	Ea			

Subsystem: 11EIB3A

Conveyor incline	3	Ea	Conveyor length IB, summary	275	If_tot
Conveyor load	2	Ea	Conveyor straight	2	Ea
Power turn, 90 deg	4	Ea	Power turn, spiral, 90 deg	1	Ea

<u>Subsystem:</u> 11EIB3A			Queue belt (ext)	2	Ea
Security door	1	Ea			
<u>Subsystem:</u> TO4					
Oversize Pflow lift	1	Ea	Security door	2	Ea
Tote conveyor	10	Ea	Tote lift conveyor	2	Ea
Tote load conveyor	2	Ea	Tote raise/lower conveyor	4	Ea
Tote sizzor lift conveyor	1	Ea	Tote unload conveyor	1	Ea
<u>Subsystem:</u> TO5					
Oversize Pflow lift	1	Ea	Security door	2	Ea
Tote conveyor	10	Ea	Tote lift conveyor	2	Ea
Tote load conveyor	2	Ea	Tote raise/lower conveyor	4	Ea
Tote sizzor lift conveyor	1	Ea	Tote unload conveyor	1	Ea
<u>Subsystem:</u> TO6					
Oversize Pflow lift	2	Ea	Security door	2	Ea
Tote conveyor	10	Ea	Tote lift conveyor	2	Ea
<u>Subsystem:</u> C5					
Conveyor decline	2	Ea	Conveyor length, OB summary	109	If_tot
Conveyor straight	2	Ea	Merge, 45 deg	1	Ea
Power turn, 45 deg	1	Ea	Queue belt	4	Ea
Security door	1	Ea			
<u>Subsystem:</u> C6					
Conveyor decline	1	Ea	Conveyor length, OB summary	154	If_tot
Conveyor straight	1	Ea	Merge, 45 deg	1	Ea
Power turn, 45 deg	1	Ea	Queue belt	1	Ea
Security door	1	Ea			
<u>Subsystem:</u> C7					
Conveyor decline	2	Ea	Conveyor length, OB summary	275	If_tot
Conveyor straight	6	Ea	Merge, 45 deg	1	Ea
Power turn, 45 deg	2	Ea	Power turn, 90 deg	4	Ea
Power turn, spiral, 180 deg	6	Ea	Queue belt	1	Ea
Security door	1	Ea			
<u>Subsystem:</u> C8					
Conveyor decline	2	Ea	Conveyor length, OB summary	43	If_tot
Merge, 45 deg	1	Ea	Power turn, 45 deg	1	Ea
Queue belt	1	Ea	Security door	1	Ea
<u>Subsystem:</u> T5					
Conveyor decline	5	Ea	Conveyor length, OB summary	351	If_tot
Conveyor straight	3	Ea	Conveyor ticketing	2	Ea
Merge, 45 deg	1	Ea	Power turn, 45 deg	1	Ea
Power turn, 90 deg	5	Ea	Queue belt	4	Ea
<u>Subsystem:</u> T6					

<u>Subsystem:</u> T6			Conveyor decline	1	Ea
Conveyor length, OB summary	76	If_tot	Conveyor straight	1	Ea
Conveyor ticketing	1	Ea	Merge, 45 deg	1	Ea
Power turn, 45 deg	1	Ea	Power turn, 90 deg	1	Ea
Queue belt	2	Ea			
<u>Subsystem:</u> T7					
Conveyor decline	1	Ea	Conveyor length, OB summary	72	If_tot
Conveyor straight	1	Ea	Conveyor ticketing	1	Ea
Merge, 45 deg	1	Ea	Power turn, 45 deg	1	Ea
Power turn, 90 deg	1	Ea	Queue belt	2	Ea
<u>Subsystem:</u> T8					
Conveyor decline	4	Ea	Conveyor length, OB summary	296	If_tot
Conveyor straight	3	Ea	Conveyor ticketing	2	Ea
Merge, 45 deg	1	Ea	Power turn, 45 deg	1	Ea
Power turn, 90 deg	4	Ea	Queue belt	4	Ea
<u>Subsystem:</u> OS3					
Conveyor length, OS summary	69	If_tot	Conveyor OS decline	2	Ea
Conveyor OS load	1	Ea	Conveyor OS straight	1	Ea
Oversize unload slide	1	Ea	Power turn OS, 90 deg	1	Ea
Security door	1	Ea			
<u>Subsystem:</u> OS4					
Conveyor length, OS summary	69	If_tot	Conveyor OS decline	2	Ea
Conveyor OS load	1	Ea	Conveyor OS straight	1	Ea
Oversize unload slide	1	Ea	Power turn OS, 90 deg	1	Ea
Security door	1	Ea			
<u>Subsystem:</u> LSS1					
Conveyor decline	3	Ea	Conveyor incline	2	Ea
Conveyor length, OB summary	719	If_tot	Conveyor straight	10	Ea
High-speed diverter	1	Ea	Power turn, 45 deg	2	Ea
Power turn, 90 deg	2	Ea	Power turn, spiral, 135 deg	1	Ea
Power turn, spiral, 90 deg	3	Ea	Queue belt	12	Ea
Takeaway, 45 deg	1	Ea			
<u>Subsystem:</u> LSS2					
Conveyor length, OB summary	122	If_tot	Conveyor straight	2	Ea
High-speed diverter	1	Ea	Merge, 45 deg	1	Ea
Power turn, 45 deg	1	Ea	Queue belt	10	Ea
Takeaway, 45 deg	1	Ea	VFD	2	Ea
<u>Subsystem:</u> LSS3					
Conveyor length, OB summary	113	If_tot	Conveyor straight	2	Ea
High-speed diverter	1	Ea	Merge, 45 deg	1	Ea
Power turn, 45 deg	1	Ea	Queue belt	9	Ea
Takeaway, 45 deg	1	Ea	VFD	2	Ea
<u>Subsystem:</u> LSS4					

<u>Subsystem:</u> LSS4			Conveyor length, OB summary	104	If_tot
Conveyor straight	2	Ea	High-speed diverter	1	Ea
Merge, 45 deg	1	Ea	Power turn, 45 deg	3	Ea
Queue belt	8	Ea	Takeaway, 45 deg	1	Ea
VFD	2	Ea			
<u>Subsystem:</u> LSS5					
Conveyor length, OB summary	95	If_tot	Conveyor straight	1	Ea
High-speed diverter	1	Ea	Merge, 45 deg	1	Ea
Power turn, 45 deg	3	Ea	Queue belt	9	Ea
Takeaway, 45 deg	1	Ea	VFD	2	Ea
<u>Subsystem:</u> RC1					
Conveyor incline	1	Ea	Conveyor length, OB summary	110	If_tot
Conveyor straight	2	Ea	Merge, 45 deg	1	Ea
Power turn OS, 90 deg	2	Ea	Power turn, 45 deg	1	Ea
Queue belt	3	Ea			
<u>Subsystem:</u> TSA					
Conveyor incline	3	Ea	Conveyor length, OB summary	189	If_tot
Conveyor straight	2	Ea	Merge, 45 deg	1	Ea
Power turn, 45 deg	2	Ea	Power turn, 90 deg	3	Ea
Power turn, spiral, 90 deg	3	Ea	Queue belt	5	Ea
<u>Subsystem:</u> USS1					
Conveyor length, OB summary	391	If_tot	Conveyor straight	10	Ea
Power turn, 45 deg	4	Ea	Power turn, 90 deg	2	Ea
Queue belt	1	Ea			
<u>Subsystem:</u> USS2					
Conveyor decline	1	Ea	Conveyor incline	1	Ea
Conveyor length, OB summary	120	If_tot	Conveyor straight	1	Ea
High-speed diverter	1	Ea	Merge, 45 deg	1	Ea
Power turn, 45 deg	1	Ea	Queue belt	13	Ea
Takeaway, 45 deg	1	Ea	VFD	2	Ea
<u>Subsystem:</u> USS3					
Conveyor decline	1	Ea	Conveyor incline	1	Ea
Conveyor length, OB summary	112	If_tot	High-speed diverter	1	Ea
Merge, 45 deg	1	Ea	Queue belt	12	Ea
Takeaway, 45 deg	1	Ea	VFD	2	Ea
<u>Subsystem:</u> USS4					
Conveyor decline	1	Ea	Conveyor incline	1	Ea
Conveyor length, OB summary	102	If_tot	Conveyor straight	2	Ea
High-speed diverter	1	Ea	Merge, 45 deg	1	Ea
Power turn, 45 deg	2	Ea	Queue belt	11	Ea
Takeaway, 45 deg	1	Ea	VFD	2	Ea
<u>Subsystem:</u> USS5					
Conveyor decline	1	Ea	Conveyor incline	1	Ea

<u>Subsystem:</u> USS5			Conveyor length, OB summary	93	If_tot
High-speed diverter	1	Ea	Merge, 45 deg	1	Ea
Power turn, 45 deg	2	Ea	Queue belt	12	Ea
Takeaway, 45 deg	1	Ea	VFD	2	Ea
<u>Subsystem:</u> UTL					
Conveyor decline	1	Ea	Conveyor length, OB summary	80	If_tot
Conveyor straight	2	Ea	High-speed diverter	1	Ea
Merge, 45 deg	1	Ea	Power turn, 30 deg	2	Ea
Power turn, 45 deg	1	Ea	Queue belt	3	Ea
<u>Subsystem:</u> ML1					
Conveyor decline	3	Ea	Conveyor incline	1	Ea
Conveyor incline/decline	1	Ea	Conveyor length, OB summary	451	If_tot
Conveyor straight	10	Ea	High-speed diverter	1	Ea
Power turn, 90 deg	5	Ea	Power turn, spiral, 90 deg	1	Ea
<u>Subsystem:</u> MU2EN					
Conveyor decline	2	Ea	Conveyor incline	1	Ea
Conveyor incline/decline	2	Ea	Conveyor length, OB summary	478	If_tot
Conveyor straight	7	Ea	High-speed diverter	1	Ea
Power turn, 45 deg	2	Ea	Power turn, 90 deg	2	Ea
Power turn, spiral, 90 deg	1	Ea	Queue belt	4	Ea
<u>Subsystem:</u> MU2ES					
Conveyor decline	1	Ea	Conveyor incline	1	Ea
Conveyor incline/decline	2	Ea	Conveyor length, OB summary	288	If_tot
Conveyor straight	5	Ea	High-speed diverter	2	Ea
Power turn, 30 deg	2	Ea	Power turn, 90 deg	2	Ea
Power turn, spiral, 90 deg	2	Ea	Queue belt	4	Ea
<u>Subsystem:</u> outbound					
Carousel length, summary	677	If_tot	Make-up unit, slope-plate	4	Ea
<u>Subsystem:</u> TX1					
Conveyor length, OB summary	360	If_tot	Conveyor straight	6	Ea
<u>Subsystem:</u> TX2					
Conveyor decline	1	Ea	Conveyor length, OB summary	45	If_tot
High-speed diverter	1	Ea	Merge, 45 deg	1	Ea
Power turn, 45 deg	2	Ea	Queue belt	4	Ea
Takeaway, 45 deg	1	Ea			
<u>Subsystem:</u> UC1					
Conveyor decline	1	Ea	Conveyor length, OB summary	49	If_tot
Conveyor straight	1	Ea	High-speed diverter	1	Ea
Merge, 45 deg	1	Ea	Power turn, spiral, 45 deg	1	Ea
Queue belt	3	Ea			
<u>Subsystem:</u> inbound					

<u>Subsystem:</u> inbound		
Claim unit, slope-plate	3	Ea
Ski claim	1	Ea

Type: Conveyor Length

<u>Subsystem:</u> Summary		
Conveyor length, decline	762	If
Conveyor length, straight	2738	If

Type: Location

<u>Subsystem:</u> General		
Garage level 3 (center of east side)		Ea
Terminal levels 6, 5, 4, 3 (center of east side)		Ea

Type: Drawing Set

<u>Subsystem:</u> Electrical		
------------------------------	--	--

P003004-01E200A_revD (drwg index - MCP 1E2)	1	Set
P003004-05E200A_revH (drwg index - MCP 5E2)	1	Set
P003004-07E200A_revC (drwg index - MCP 7E2)	1	Set
P003004-09E200A_revC (drwg index - MCP 9E2)	1	Set
P003004-11E200A_revC (drwg index - MCP 11E2)	1	Set
P003004-13E200A_revC (drwg index - MCP 13E2)	1	Set
P003004-15E200A_revC (drwg index - MCP 15E2)	1	Set
P003004-17E200A_revJ (drwg index - MCP 17E2)	1	Set
P003004-19E200A_revF (drwg index - MCP 19E2)	1	Set
P003004-4E200A_revD (drwg index - MCP 4E2)	1	Set
P003004-CC-2200_revD (drwg index - MCP CC-22)	1	Set
P003004LCP-2E00A_revG (drwg index - LCP-2E)	1	Set
P003004PBCOMM-2E00A_revD (drwg index - profibus comms)	1	Set

Subsystem: Mechanical

B03004-I1-05_rev41 (drwg index)	1	Set
---------------------------------	---	-----

Type: Power Source

<u>Subsystem:</u> Electrical		
------------------------------	--	--

Panel 3-11BD1	1	Ea
Panel 3-11DD1	1	Ea

Type: Subsystems

<u>Subsystem:</u> Curbside		
----------------------------	--	--

Carousel length, IB summary	480	If_tot
Oversize pax slide	1	Ea

Conveyor length, incline	270	If
--------------------------	-----	----

N10-N20 / E1-E20		Ea
------------------	--	----

P003004-03E200A_revD (drwg index - MCP 3E2)	1	Set
P003004-06E200A_revD (drwg index - MCP 6E2)	1	Set
P003004-08E200A_revC (drwg index - MCP 8E2)	1	Set
P003004-10E200A_revC (drwg index - MCP 10E2)	1	Set
P003004-12E200A_revD (drwg index - MCP 12E2)	1	Set
P003004-14E200A_revC (drwg index - MCP 14E2)	1	Set
P003004-16E200A_revC (drwg index - MCP 16E2)	1	Set
P003004-18E200A_revF (drwg index - MCP 18E2)	1	Set
P003004-2E200A_revE (drwg index - MCP 2E2)	1	Set
P003004-CC-2100_revG (drwg index - MCP CC-21)	1	Set
P003004COMM-2E00A_revF (drwg index - ethernet wiring)	1	Set
P003004-MCP-LOC-E2-00_revE (drwg index - MCP locations)	1	Set
P003004SYSE2-00A_revF (drwg index - one-line diagrams)	1	Set

B03004-I1-06_rev37 (drwg index)	1	Set
---------------------------------	---	-----

Panel 3-11BSB1	1	Ea
Panel 3-11DSB1	1	Ea

<u>Subsystem:</u> Curbside			C5-1/10	1	Line
C6-1/15	1	Line	C7-1/22	1	Line
C8-1/5	1	Line			
<u>Subsystem:</u> Ticketing					
T5-1/21	1	Line	T6-1/8	1	Line
T7-1/8	1	Line	T8-1/19	1	Line
<u>Subsystem:</u> Over-size					
OS3-1/4	1	Line	OS4-1/4	1	Line
T04	1	Lift/Tote	T05	1	Lift/Tote
T06	1	Lift/Tote			
<u>Subsystem:</u> Screening					
2ELSS1-1/44	1	Line	2ELSS2-1/15	1	Line
2ELSS3-1/14	1	Line	2ELSS4-1/15	1	Line
2ELSS5-1/15	1	Line	2ETSA-1/19	1	Line
2EUSS1-1/17	1	Line	2EUSS2-1/14	1	Line
2EUSS3-1/16	1	Line	2EUSS4-1/19	1	Line
2EUSS5-1/15	1	Line	2EUTL1-1/10	1	Line
<u>Subsystem:</u> Make-up					
2EML1-1/24	1	Line	2EMU1	1	MU
2EMU2	1	MU	2EMU3	1	MU
2EMU4	1	MU	2ERC-1/10	1	Line
2EUC1-1/7	1	Line	MU2EN-14/31	1	Line
MU2ES-7/28	1	Line			
<u>Subsystem:</u> Transfer					
TX1-14/19	1	Line	TX2-1/11	1	Line
<u>Subsystem:</u> Inbound					
11EIB1B	1	Line	11EIB2B	1	Line
11EIB3B	1	Line			
<u>Type:</u> Motors					
<u>Subsystem:</u> Sizes					
Motor 1HP	13	Ea	Motor 2HP	173	Ea
Motor 3HP	15	Ea	Motor 5HP	21	Ea
Motor 7.5HP	2	Ea			
<u>Type:</u> LCP					
<u>Subsystem:</u> Oversize					
Contactora, non-reversing	6	Ea	Contactora, reversing	2	Ea
Fuse	21	Ea	Panel Heater	3	Ea
PLC Allen Bradley PLC5	2	Ea	PLC Square D Symax	2	Ea
Relay	6	Ea	Symax Digital module, 110V AC input, 16 I/O	9	Ea
Symax Digital module, 110V AC output, 16 I/O	9	Ea	Transformer	2	Ea

<u>Subsystem:</u> Primary					
PLC Siemens S7	6	Ea	S7 Digital module, 24V DC input, 16 I/O	1	Ea
S7 EtherNet interface 100 BaseT	6	Ea	S7 Power supply, 10A 5V	6	Ea
S7 Repeater module	12	Ea			
<u>Subsystem:</u> Redundant					
PLC Siemens S7	6	Ea	S7 Digital module, 24V DC input, 16 I/O	1	Ea
S7 EtherNet interface 100 BaseT	1	Ea	S7 Power supply, 10A 5V	6	Ea
S7 Repeater module	13	Ea			
<u>Type:</u> MCP					
<u>Subsystem:</u> Oversize					
Contactor, non-reversing	51	Ea	Contactor, reversing	64	Ea
External braking resistor	4	Ea	Fuse	166	Ea
Panel Heater	8	Ea	PLC Allen Bradley PLC5	2	Ea
PLC Allen Bradley SLC500	4	Ea	PLC Square D Symax	2	Ea
relays	65	Ea	relays (electronic)	58	Ea
Safetronics VFD	4	Ea	Symax Digital module, 110V AC input, 16 I/O	36	Ea
Symax Digital module, 110V AC output, 16 I/O	28	Ea	Symax Power Supply external	5	Ea
Symax Power Supply internal	3	Ea	Transformer	10	Ea
<u>Subsystem:</u> outbound					
Contactor, non-reversing	470	Ea	Contactor, reversing	37	Ea
Fuse	747	Ea	Power supply, 24 VDC	40	Ea
Profibus interface	47	Ea	Regulator	4	Ea
Relay	782	Ea	S7 Digital module, 110 VAC output	8	Ea
S7 Digital module, 24V DC input, 16 I/O	193	Ea	S7 Digital module, 24V DC output, 16 I/O	149	Ea
Soft start	4	Ea	Transformer	35	Ea
<u>Subsystem:</u> Inbound					
PLC Square D Symax	3	Ea	Symax Digital module, 110V AC input, 16 I/O		Ea
Symax Digital module, 110V AC output, 16 I/O		Ea	Symax Power Supply external		Ea
Symax Power Supply internal		Ea			
<u>Subsystem:</u> Total					
MCP cabinet	23	Ea			
<u>Type:</u> Control Devices					
<u>Subsystem:</u> Total					
Badge reader	14	Ea	Bag tag reader	8	Ea
Control station	240	Ea	Door	10	Ea
Duplex	12	Ea	Limit switch	20	Ea
Maintenance intervention control station (MICS)	78	Ea	Photo eye	433	Ea
Run lanyard	1	Ea	Shaft encoder	69	Ea

<u>Subsystem:</u>	Total		Warning alarm	61	Ea
<u>Type:</u>	Cabling				
<u>Subsystem:</u>	Total				
Fiber	480	If			
<u>Type:</u>	Computer Systems				
<u>Subsystem:</u>	Appendix H Workstation				
CD-R drive	1	Ea	HD 60 GB hard drive	1	Ea
HP D9600 Intel SFF PC	1	Ea	NEC 20.1 LCD 1200x1600 native resolution	1	Ea
Ram 1GB	1	Ea	Rocket port 4Si	1	Ea
Symbol LS3408 wireless hand-scanner/cradle	3	Ea	Windows XP, SP2	1	Ea
<u>Subsystem:</u>	Graphics				
Siemens 15" Graphics touch panel	3	Ea			
<u>Subsystem:</u>	Hardware				
Appendix H Workstation	1	Ea			
<u>Subsystem:</u>	Network				
NTRON 10/100BaseT & 100BaseFX 16 port	3	Ea	Rocket port 4Si	2	Ea
<u>Type:</u>	GFE				
<u>Subsystem:</u>	Total				
CI	1	Ea	CTX9000	5	Ea
ETD	10	Ea	pTRI	15	Ea
TRI	3	Ea			
<u>Module:</u>	2W				
<u>Type:</u>	Conveyor Detail				
<u>Subsystem:</u>	11WIB1A				
Conveyor incline	4	Ea	Conveyor length, OB summary	257	If_tot
Conveyor load	2	Ea	Conveyor straight	1	Ea
Power turn, 90 deg	2	Ea	Power turn, spiral, 90 deg	3	Ea
<u>Subsystem:</u>	OCS				
Conveyor length, OS summary	130	If_tot	Conveyor OS decline	5	Ea
Conveyor OS load	1	Ea	Conveyor OS straight	3	Ea
Conveyor OS unload	2	Ea	Power turn OS, 90 deg	3	Ea
Power turn OS, spiral, 90 deg	2	Ea	Security door	1	Ea
<u>Subsystem:</u>	OSP				
Pet Lift	1	Ea			
<u>Subsystem:</u>	TO15				

<u>Subsystem:</u> TO15					
Oversize Pflow lift	2	Ea	Security door	2	Ea
Tote conveyor	12	Ea	Tote lift conveyor	2	Ea
<u>Subsystem:</u> C16					
Conveyor decline	1	Ea	Conveyor length, OB summary	141	If_tot
Conveyor straight	1	Ea	Merge, 45 deg	1	Ea
Power turn, 45 deg	1	Ea	Power turn, spiral, 180 deg	6	Ea
Power turn, spiral, 90 deg	1	Ea	Queue belt	2	Ea
Security door	1	Ea			
<u>Subsystem:</u> C17					
Conveyor decline	1	Ea	Conveyor length, OB summary	146	If_tot
Conveyor straight	3	Ea	Merge, 45 deg	1	Ea
Power turn, 45 deg	1	Ea	Power turn, spiral, 180 deg	6	Ea
Power turn, spiral, 90 deg	1	Ea	Queue belt	2	Ea
Security door	1	Ea			
<u>Subsystem:</u> C18					
Conveyor decline	2	Ea	Conveyor length, OB summary	168	If_tot
Conveyor straight	3	Ea	Merge, 45 deg	1	Ea
Power turn, 45 deg	1	Ea	Power turn, 90 deg	3	Ea
Queue belt	3	Ea	Security door	1	Ea
<u>Subsystem:</u> TC3					
Conveyor decline	10	Ea	Conveyor length, OB summary	1069	If_tot
Conveyor straight	15	Ea	High-speed diverter	1	Ea
Power turn, 45 deg	4	Ea	Power turn, 90 deg	10	Ea
Power turn, spiral, 90 deg	3	Ea	Queue belt	8	Ea
Security door	1	Ea			
<u>Subsystem:</u> TC4					
Conveyor decline	10	Ea	Conveyor length, OB summary	714	If_tot
Conveyor straight	10	Ea	High-speed diverter	1	Ea
Merge, 45 deg	1	Ea	Power turn, 45 deg	5	Ea
Power turn, 90 deg	5	Ea	Power turn, spiral, 90 deg	7	Ea
Queue belt	5	Ea	Security door	1	Ea
VFD	2	Ea			
<u>Subsystem:</u> OCS2					
Conveyor length, OS summary	267	If_tot	Conveyor OS decline	2	Ea
Conveyor OS straight	3	Ea	Conveyor OS unload	2	Ea
Power turn OS, 45 deg	2	Ea	Power turn OS, spiral, 90 deg	4	Ea
Queue belt OS	5	Ea	Security door	1	Ea
Vertical sorter unit	1	Ea			
<u>Subsystem:</u> OS1					
Conveyor length, OS summary	5	If_tot	Conveyor OS straight	1	Ea
High-speed diverter	1	Ea	Oddsize Roll Bars	1	Ea
<u>Subsystem:</u> OS2					

<u>Subsystem:</u> OS2			Conveyor length, OS summary	5	If_tot
Conveyor OS straight	1	Ea	High-speed diverter	1	Ea
Oddsized Roll Bars	1	Ea			
<u>Subsystem:</u> OS3					
Conveyor length, OS summary	589	If_tot	Conveyor OS decline	6	Ea
Conveyor OS incline	4	Ea	Conveyor OS straight	4	Ea
Merge OS, 45 deg	1	Ea	Power turn OS, 45 deg	9	Ea
Power turn OS, 90 deg	6	Ea	Power turn OS, spiral, 90 deg	1	Ea
Queue belt OS	3	Ea	Security door	1	Ea
<u>Subsystem:</u> OS4					
Conveyor length, OS summary	120	If_tot	Conveyor OS decline	2	Ea
Conveyor OS incline	2	Ea	Conveyor OS straight	2	Ea
Merge OS, 45 deg	1	Ea	Power turn OS, 45 deg	1	Ea
Security door	1	Ea			
<u>Subsystem:</u> OSRC					
Conveyor length, OS summary	250	If_tot	Conveyor OS incline	1	Ea
Conveyor OS load	2	Ea	Conveyor OS straight	3	Ea
Conveyor OS unload	2	Ea	Power turn OS, 45 deg	4	Ea
Security door	1	Ea			
<u>Subsystem:</u> 2W2L					
Conveyor length, OB summary	37	If_tot	Conveyor straight	1	Ea
High-speed diverter	1	Ea	Merge, 45 deg	1	Ea
Power turn, 45 deg	1	Ea	Queue belt	3	Ea
<u>Subsystem:</u> 2WBP1					
Conveyor decline	1	Ea	Conveyor length, OB summary	69	If_tot
Conveyor straight	2	Ea	High-speed diverter	1	Ea
Merge, 45 deg	1	Ea	Power turn, 45 deg	1	Ea
Power turn, 90 deg	2	Ea	Queue belt	2	Ea
VFD	3	Ea			
<u>Subsystem:</u> 2W1L					
Conveyor length, OB summary	84	If_tot	Conveyor straight	3	Ea
Merge, 45 deg	1	Ea	Power turn, 45 deg	1	Ea
Queue belt	4	Ea	VFD	4	Ea
<u>Subsystem:</u> 2W1L1					
Conveyor incline	1	Ea	Conveyor length, OB summary	81	If_tot
Conveyor straight	2	Ea	High-speed diverter	1	Ea
Merge, 45 deg	1	Ea	Power turn, 45 deg	3	Ea
Queue belt	7	Ea	Takeaway, 45 deg	1	Ea
VFD	4	Ea			
<u>Subsystem:</u> 2W1L2					
Conveyor incline	1	Ea	Conveyor length, OB summary	81	If_tot
Conveyor straight	2	Ea	High-speed diverter	1	Ea
Merge, 45 deg	1	Ea	Power turn, 45 deg	3	Ea

<u>Subsystem:</u> 2W1L2			Queue belt	7	Ea
Takeaway, 45 deg	1	Ea	VFD	4	Ea
<u>Subsystem:</u> 2W1L3					
Conveyor incline	1	Ea	Conveyor length, OB summary	81	If_tot
Conveyor straight	2	Ea	High-speed diverter	1	Ea
Merge, 45 deg	1	Ea	Power turn, 45 deg	3	Ea
Queue belt	7	Ea	Takeaway, 45 deg	1	Ea
VFD	4	Ea			
<u>Subsystem:</u> 2W1L4					
Conveyor length, OB summary	77	If_tot	High-speed diverter	1	Ea
Merge, 45 deg	1	Ea	Movimot	6	Ea
Power turn, 45 deg	1	Ea	Queue belt	15	Ea
VFD	4	Ea			
<u>Subsystem:</u> 2W2L1					
Conveyor incline	1	Ea	Conveyor length, OB summary	78	If_tot
Conveyor straight	2	Ea	High-speed diverter	1	Ea
Merge, 45 deg	1	Ea	Power turn, 45 deg	3	Ea
Queue belt	4	Ea	Takeaway, 45 deg	1	Ea
VFD	4	Ea			
<u>Subsystem:</u> 2W2L2					
Conveyor incline	1	Ea	Conveyor length, OB summary	77	If_tot
Conveyor straight	2	Ea	High-speed diverter	1	Ea
Merge, 45 deg	1	Ea	Power turn, 45 deg	1	Ea
Queue belt	6	Ea	Takeaway, 45 deg	1	Ea
VFD	4	Ea			
<u>Subsystem:</u> 2W2L3					
Conveyor incline	1	Ea	Conveyor length, OB summary	77	If_tot
Conveyor straight	2	Ea	High-speed diverter	1	Ea
Merge, 45 deg	1	Ea	Power turn, 45 deg	1	Ea
Queue belt	6	Ea	Takeaway, 45 deg	1	Ea
VFD	4	Ea			
<u>Subsystem:</u> 2W2L4					
Conveyor incline	1	Ea	Conveyor length, OB summary	78	If_tot
Conveyor straight	2	Ea	High-speed diverter	1	Ea
Merge, 45 deg	1	Ea	Power turn, 45 deg	3	Ea
Queue belt	3	Ea	Takeaway, 45 deg	1	Ea
VFD	3	Ea			
<u>Subsystem:</u> 2WRC1					
Conveyor length, OB summary	97	If_tot	Conveyor straight	3	Ea
High-speed diverter	1	Ea	Merge, 45 deg	1	Ea
Power turn, 45 deg	2	Ea	Queue belt	2	Ea
Takeaway, 45 deg	1	Ea	VFD	1	Ea
<u>Subsystem:</u> 2WRC2					

<u>Subsystem:</u> 2WRC2			Conveyor incline	1	Ea
Conveyor length, OB summary	97	If_tot	Conveyor straight	2	Ea
High-speed diverter	1	Ea	Merge, 45 deg	1	Ea
Power turn, 45 deg	2	Ea	Queue belt	3	Ea
Takeaway, 45 deg	1	Ea	VFD	1	Ea
<u>Subsystem:</u> 2WSL1					
Conveyor decline	1	Ea	Conveyor length, OB summary	594	If_tot
Conveyor straight	10	Ea	High-speed diverter	1	Ea
Power turn, 45 deg	5	Ea	Power turn, 90 deg	3	Ea
Queue belt	6	Ea	Takeaway, 45 deg	1	Ea
VFD	8	Ea			
<u>Subsystem:</u> 2WTSA					
Conveyor decline	1	Ea	Conveyor incline	1	Ea
Conveyor length, OB summary	60	If_tot	Power turn, 45 deg	1	Ea
Power turn, 90 deg	1	Ea	Queue belt	1	Ea
<u>Subsystem:</u> 2WCX					
Conveyor decline	1	Ea	Conveyor length, OB summary	41	If_tot
Conveyor straight	1	Ea	High-speed diverter	1	Ea
Merge, 45 deg	1	Ea	Power turn, 45 deg	1	Ea
Queue belt	2	Ea	VFD	1	Ea
<u>Subsystem:</u> 2WX					
Conveyor length, OB summary	71	If_tot	Conveyor straight	1	Ea
High-speed diverter	1	Ea	Merge, 45 deg	1	Ea
Power turn, 45 deg	2	Ea	Queue belt	4	Ea
Takeaway, 45 deg	1	Ea	VFD	1	Ea
<u>Subsystem:</u> XC23					
Conveyor decline	1	Ea	Conveyor length, OB summary	133	If_tot
Conveyor straight	3	Ea	High-speed diverter	1	Ea
Merge, 45 deg	1	Ea	Power turn, 45 deg	8	Ea
Queue belt	2	Ea	Takeaway, 45 deg	1	Ea
<u>Subsystem:</u> 2WBP					
Conveyor length, OB summary	27	If_tot	Conveyor straight	1	Ea
High-speed diverter	1	Ea	Merge, 45 deg	1	Ea
Power turn, spiral, 45 deg	1	Ea	Queue belt	2	Ea
<u>Subsystem:</u> 2WML					
Conveyor decline	1	Ea	Conveyor incline	2	Ea
Conveyor length, OB summary	250	If_tot	Conveyor straight	6	Ea
High-speed diverter	1	Ea	Power turn, 45 deg	2	Ea
Power turn, 90 deg	1	Ea	Power turn, spiral, 45 deg	1	Ea
Queue belt	4	Ea	Takeaway, 45 deg	1	Ea
VFD	4	Ea			
<u>Subsystem:</u> 2WRC3					
Conveyor incline	1	Ea	Conveyor length, OB summary	81	If_tot

<u>Subsystem:</u> 2WRC3			Conveyor straight	2	Ea
Merge, 45 deg	1	Ea	Power turn, 45 deg	1	Ea
Queue belt	2	Ea			
<u>Subsystem:</u> MU2WS					
Conveyor decline	1	Ea	Conveyor incline/decline	1	Ea
Conveyor length, OB summary	403	If_tot	Conveyor straight	11	Ea
High-speed diverter	1	Ea	Power turn, 30 deg	4	Ea
Power turn, 90 deg	1	Ea	Power turn, spiral, 90 deg	1	Ea
Queue belt	5	Ea	Takeaway, 45 deg	1	Ea
VFD	4	Ea			
<u>Subsystem:</u> MU2WS1					
Conveyor decline	1	Ea	Conveyor incline/decline	1	Ea
Conveyor length, OB summary	64	If_tot	Conveyor straight	2	Ea
High-speed diverter	1	Ea	Power turn, spiral, 30 deg	2	Ea
Power turn, spiral, 90 deg	1	Ea			
<u>Subsystem:</u> MU2WS2					
Conveyor decline	1	Ea	Conveyor length, OB summary	38	If_tot
Conveyor straight	2	Ea	High-speed diverter	1	Ea
<u>Subsystem:</u> outbound					
Carousel length, summary	656	If_tot	Make-up unit, flat-plate w/ plow merge	3	Ea
<u>Subsystem:</u> 11WIB2					
Conveyor incline	3	Ea	Conveyor length IB, summary	211	If_tot
Conveyor load	2	Ea	Conveyor straight	1	Ea
Power turn, 90 deg	2	Ea	Power turn, spiral, 90 deg	3	Ea
<u>Subsystem:</u> 11WIB3					
Conveyor incline	4	Ea	Conveyor length IB, summary	304	If_tot
Conveyor load	2	Ea	Conveyor straight	2	Ea
Power turn, 90 deg	3	Ea	Power turn, spiral, 15 deg	1	Ea
Power turn, spiral, 90 deg	4	Ea	Queue belt	2	Ea
<u>Subsystem:</u> inbound					
Carousel length, IB summary	599	If_tot	Claim unit, slope-plate	3	Ea
Oversize pax slide	1	Ea	Ski claim	1	Ea
<u>Type:</u> Conveyor Length					
<u>Subsystem:</u> Summary					
Conveyor length, decline	509	If	Conveyor length, incline	227	If
Conveyor length, straight	3030	If			
<u>Type:</u> Location					
<u>Subsystem:</u> General					
Garage level 3 (center of west side)		Ea	N10-N20 / W1-W20		Ea

<u>Subsystem:</u> General			Terminal levels 6, 5.5, 5, 4, 3 (center of west side)		Ea
<u>Type:</u> Drawing Set					
<u>Subsystem:</u> Electrical					
P003004-01W200A - RevB (drwg index - MCP 1W2)	1	Set	P003004-07W200A - RevF (drwg index - MCP 7W2)	1	Set
P003004-10W200A - RevB (drwg index - MCP 10W2)	1	Set	P003004-11W200A - RevC (drwg index - MCP 11W2)	1	Set
P003004-12W200A - RevE (drwg index - MCP 12W2)	1	Set	P003004-13W200A - RevE (drwg index - MCP 13W2)	1	Set
P003004-14W200A - RevE (drwg index - MCP 14W2)	1	Set	P003004-15W200A - RevE (drwg index - MCP 15W2)	1	Set
P003004-16W200A - RevE (drwg index - MCP 16W2)	1	Set	P003004-17W200A - RevE (drwg index - MCP 17W2)	1	Set
P003004-18W200A - RevE (drwg index - MCP 18W2)	1	Set	P003004-19W200A - RevC (drwg index - MCP 19W2)	1	Set
P003004-1A00A - Rev (drwg index - MCP 1A)	1	Set	P003004-20W200A - RevC (drwg index - MCP 20W2)	1	Set
P003004-21W200A - RevC (drwg index - MCP 21W2)	1	Set	P003004-22W200A - RevC (drwg index - MCP 22W2)	1	Set
P003004-23W200A - RevE (drwg index - MCP 23W2)	1	Set	P003004-24W200A - RevG (drwg index - MCP 24W2)	1	Set
P003004-25W200A - RevA (drwg index - MCP 25W2)	1	Set	P003004-26W200A - RevA (drwg index - MCP 26W2)	1	Set
P003004-2W200A - RevC (drwg index - MCP 2W2)	1	Set	P003004-3W200A - RevD (drwg index - MCP 3W2)	1	Set
P003004-4W200A - RevE (drwg index - MCP 4W2)	1	Set	P003004-5W200A - RevB (drwg index - MCP 5W2)	1	Set
P003004-6W200A - RevD (drwg index - MCP 6W2)	1	Set	P003004-8W200A - RevD (drwg index - MCP 8W2)	1	Set
P003004-9W200A - RevE (drwg index - MCP 9W2)	1	Set	P003004COMM-2W00A - RevK (drwg index - ethernet wiring)	1	Set
P003004GDPMB-00A - RevA (drwg index - graphic display panel)	1	Set	P003004LCP-2W00A - RevG (drwg index - LCP 2W)	1	Set
P003004-MCP-LOC-W2-00 - RevH (drwg index - MCP locations)	1	Set	P003004PBCOMM(OS)-2W00A - RevA (drwg index - profibus comms)	1	Set
P003004PBCOMM-2W00A - RevC (drwg index - profibus comms)	1	Set	P003004SYSW2-00A - RevF (drwg index - one-line diagrams)	1	Set
<u>Subsystem:</u> Mechanical					
B03004-I1-05_rev41 (drwg index)	1	Set	B03004-I1-06_rev37 (drwg index)	1	Set
<u>Type:</u> Power Source					
<u>Subsystem:</u> Electrical					
Panel 3-10DD1	1	Ea	Panel 3-11AD1	1	Ea
Panel 3-11AD2	1	Ea	Panel 3-11AD3	1	Ea
Panel 3-11ASB1	1	Ea	Panel 3-11AXX (2W odd-size)	1	Ea
Panel 3-11CD2	1	Ea	Panel 3-11CSB1	1	Ea
<u>Type:</u> Subsystems					
<u>Subsystem:</u> Curbside					
C16-1/13	1	Line	C17-1/14	1	Line
C18-1/13	1	Line			
<u>Subsystem:</u> Ticketing					
2W1L-1/7	1	Ea	TC3-1/51	1	Ea

<u>Subsystem:</u>	Ticketing			TC4-1/45	1	Ea
<u>Subsystem:</u>	Oversize					
2WOS1-1	1	Ea		2WOS2-1	1	Ea
2WOSRC-1/12	1	Ea		OCS-1/11	1	Ea
OCS2-1/14	1	Ea		TO13	1	Ea
TO14	1	Ea		TO15	1	Ea
<u>Subsystem:</u>	Screening					
2W1L1-1/15	1	Ea		2W1L2-1/15	1	Ea
2W1L3-1/15	1	Ea		2W1L4-1/15	1	Ea
2W2L-1/6	1	Ea		2W2L1-1/12	1	Ea
2W2L2-1/12	1	Ea		2W2L3-1/12	1	Ea
2W2L4-1/12	1	Ea		2WRC1-1/9	1	Ea
2WRC2-1/10	1	Ea		2WSL1-1/17, 27/33	1	Ea
2WSL1-18/26	1	Ea		2WTSA-1/5	1	Ea
<u>Subsystem:</u>	Make-up					
2WBP-1/5	1	Line		2WBP1-1/9	1	Line
2WML-1/55	1	Line		2WRC3-1/7	1	Line
MU2WS1	1	MU		MU2WS1-1/7	1	Line
MU2WS2	1	MU		MU2WS2-1/3	1	Line
MU2WS3	1	MU		MU2WS-5/29	1	Line
<u>Subsystem:</u>	Transfer					
2WCX-1/6	1	Ea		2WX-1/9	1	Ea
XC32-1/10	1	Line				
<u>Subsystem:</u>	Inbound					
11WIB1	1	Line		11WIB2	1	Line
11WIB3	1	Line				
<u>Type:</u>	Motors					
<u>Subsystem:</u>	Sizes					
Motor 1HP	24	Ea		Motor 2HP	247	Ea
Motor 3HP	40	Ea		Motor 5HP	40	Ea
Motor 7.5HP	1	Ea				
<u>Type:</u>	LCP					
<u>Subsystem:</u>	Primary					
PLC Siemens S7	8	Ea		PLC Square D Symax	1	Ea
S7 Digital module, 24V DC input, 16 I/O	1	Ea		S7 EtherNet interface 100 BaseT	8	Ea
S7 Power supply, 10A 5V	8	Ea		S7 Repeater module	16	Ea
<u>Subsystem:</u>	Redundant					
PLC Siemens S7	8	Ea		S7 Digital module, 24V DC input, 16 I/O	1	Ea
S7 EtherNet interface 100 BaseT	8	Ea		S7 Power supply, 10A 5V	8	Ea
S7 Repeater module	16	Ea				

Type: MCPSubsystem: Oversize

PLC Allen Bradley SLC500	2	Ea	PLC Square D Symax	1	Ea
--------------------------	---	----	--------------------	---	----

Subsystem: outbound

Contactora, non-reversing	508	Ea	Contactora, reversing	25	Ea
Fuse	1348	Ea	Power supply, 24 VDC	54	Ea
Profibus interface	62	Ea	Relay	1305	Ea
S7 Digital module, 110 VAC output	10	Ea	S7 Digital module, 24V DC input, 16 I/O	230	Ea
S7 Digital module, 24V DC output, 16 I/O	176	Ea	Soft start	3	Ea
Transformer	42	Ea			

Subsystem: Inbound

PLC Square D Symax	3	Ea	Symax Digital module, 110V AC input, 16 I/O		Ea
Symax Power Supply external		Ea	Symax Power Supply internal		Ea

Subsystem: Total

MCP cabinet	26	Ea			
-------------	----	----	--	--	--

Type: Control DevicesSubsystem: Total

Badge reader	7	Ea	Bag Measuring Device	1	Ea
Bag tag reader	11	Ea	Control station	261	Ea
Door	5	Ea	Duplex	21	Ea
Limit switch	6	Ea	Maintenance intervention control station (MICS)	122	Ea
Photo eye	550	Ea	Run lanyard	1	Ea
Shaft encoder	64	Ea	Warning alarm	80	Ea

Type: CablingSubsystem: Total

Fiber	940	If			
-------	-----	----	--	--	--

Type: Computer SystemsSubsystem: Appendix H Workstation

CD-R drive	1	Ea	HD 60 GB hard drive	1	Ea
HP D9600 Intel SFF PC	1	Ea	NEC 20.1 LCD 1200x1600 native resolution	2	Ea
Ram 1GB	1	Ea	Rocket port 4Si	1	Ea
Symbol LS3408 wireless hand-scanner/cradle	3	Ea	Windows XP, SP2	1	Ea

Subsystem: Graphics

Siemens 15" Graphics touch panel	3	Ea			
----------------------------------	---	----	--	--	--

Subsystem: Hardware

<u>Subsystem:</u> Hardware			Appendix H Workstation	1	Ea
<u>Subsystem:</u> Network					
NTRON 10/100BaseT & 100BaseFX 16 port	4	Ea	Rocket port 4Si	2	Ea
<u>Type:</u> GFE					
<u>Subsystem:</u> Total					
CI	1	Ea	CT-80	2	Ea
CTX9000	6	Ea	ETD	10	Ea
pTRI	16	Ea	TRI	5	Ea
<u>Module:</u> 3E					
<u>Type:</u> Conveyor Detail					
<u>Subsystem:</u> T01					
Conveyor decline	1	Ea	Conveyor length, OB summary	71	If_tot
Conveyor load	2	Ea	Conveyor straight	3	Ea
Conveyor unload	1	Ea	Oversize Pflow lift	1	Ea
Power turn, 90 deg	1	Ea	Security door	2	Ea
<u>Subsystem:</u> T02					
Conveyor decline	1	Ea	Conveyor incline	1	Ea
Conveyor length, OB summary	162	If_tot	Conveyor load	2	Ea
Conveyor straight	7	Ea	Conveyor unload	1	Ea
Oversize Pflow lift	1	Ea	Power turn, 45 deg	4	Ea
Power turn, 90 deg	1	Ea	Security door	2	Ea
<u>Subsystem:</u> T03					
Oversize Pflow lift	2	Ea	Security door	4	Ea
Tote conveyor	10	Ea	Tote lift conveyor	2	Ea
<u>Subsystem:</u> C1					
Conveyor decline	2	Ea	Conveyor length, OB summary	111	If_tot
Conveyor straight	2	Ea	Merge, 45 deg	1	Ea
Power turn, 45 deg	1	Ea	Queue belt	3	Ea
Security door	1	Ea			
<u>Subsystem:</u> C2					
Conveyor decline	1	Ea	Conveyor length, OB summary	159	If_tot
Conveyor straight	3	Ea	Merge, 45 deg	1	Ea
Power turn, 45 deg	1	Ea	Power turn, spiral, 180 deg	6	Ea
Power turn, spiral, 90 deg	1	Ea	Queue belt	2	Ea
Security door	1	Ea			
<u>Subsystem:</u> C3					
Conveyor decline	2	Ea	Conveyor length, OB summary	275	If_tot
Conveyor straight	4	Ea	Merge, 45 deg	1	Ea
Power turn, 45 deg	2	Ea	Power turn, 90 deg	3	Ea
Power turn, spiral, 180 deg	6	Ea	Power turn, spiral, 90 deg	1	Ea

<u>Subsystem:</u> C3			Queue belt	4	Ea
Security door	1	Ea			
<u>Subsystem:</u> C4					
Conveyor decline	1	Ea	Conveyor length, OB summary	43	If_tot
Conveyor straight	1	Ea	Merge, 45 deg	1	Ea
Power turn, 45 deg	1	Ea	Queue belt	1	Ea
Security door	1	Ea			
<u>Subsystem:</u> T1					
Conveyor decline	4	Ea	Conveyor length, OB summary	351	If_tot
Conveyor straight	3	Ea	Conveyor ticketing	2	Ea
Merge, 45 deg	1	Ea	Power turn, 45 deg	1	Ea
Power turn, 90 deg	5	Ea	Power turn, spiral, 90 deg	1	Ea
Queue belt	4	Ea	Security door	1	Ea
<u>Subsystem:</u> T2					
Conveyor decline	1	Ea	Conveyor length, OB summary	76	If_tot
Conveyor ticketing	1	Ea	Merge, 45 deg	1	Ea
Power turn, 45 deg	1	Ea	Power turn, 90 deg	1	Ea
Queue belt	3	Ea	Security door	1	Ea
<u>Subsystem:</u> T3					
Conveyor decline	1	Ea	Conveyor length, OB summary	72	If_tot
Conveyor ticketing	1	Ea	Merge, 45 deg	1	Ea
Power turn, 45 deg	1	Ea	Power turn, 90 deg	1	Ea
Queue belt	3	Ea	Security door	1	Ea
<u>Subsystem:</u> T4					
Conveyor decline	4	Ea	Conveyor length, OB summary	296	If_tot
Conveyor straight	4	Ea	Conveyor ticketing	2	Ea
Merge, 45 deg	1	Ea	Power turn, 45 deg	1	Ea
Power turn, 90 deg	4	Ea	Queue belt	2	Ea
Security door	1	Ea			
<u>Subsystem:</u> OS1					
Conveyor length, OS summary	69	If_tot	Conveyor OS decline	2	Ea
Conveyor OS load	1	Ea	Conveyor OS straight	1	Ea
Oversize unload slide	1	Ea	Power turn OS, 90 deg	1	Ea
Security door	1	Ea			
<u>Subsystem:</u> OS2					
Conveyor length, OS summary	69	If_tot	Conveyor OS decline	2	Ea
Conveyor OS load	1	Ea	Conveyor OS straight	1	Ea
Oversize unload slide	1	Ea	Power turn OS, 90 deg	1	Ea
Security door	1	Ea			
<u>Subsystem:</u> 3ETSA					
Conveyor incline	3	Ea	Conveyor straight	2	Ea
Merge, 45 deg	1	Ea	Power turn, 45 deg	1	Ea
Power turn, 90 deg	1	Ea	Power turn, spiral, 90 deg	2	Ea

<u>Subsystem:</u>	3ETSA		Queue belt	5	Ea
<u>Subsystem:</u>	LSS1				
Conveyor decline	1	Ea	Conveyor length, OB summary	495	If_tot
Conveyor straight	10	Ea	High-speed diverter	1	Ea
Power turn, 45 deg	5	Ea	Power turn, 90 deg	1	Ea
Power turn, spiral, 90 deg	1	Ea	Queue belt	11	Ea
Takeaway, 45 deg	1	Ea			
<u>Subsystem:</u>	LSS2				
Conveyor length, OB summary	120	If_tot	Conveyor straight	2	Ea
High-speed diverter	1	Ea	Merge, 45 deg	1	Ea
Queue belt	10	Ea	Takeaway, 45 deg	1	Ea
<u>Subsystem:</u>	LSS3				
Conveyor length, OB summary	111	If_tot	Conveyor straight	2	Ea
High-speed diverter	1	Ea	Merge, 45 deg	1	Ea
Queue belt	10	Ea	Takeaway, 45 deg	1	Ea
<u>Subsystem:</u>	LSS4				
Conveyor length, OB summary	102	If_tot	Conveyor straight	2	Ea
High-speed diverter	1	Ea	Merge, 45 deg	1	Ea
Power turn, 45 deg	2	Ea	Queue belt	9	Ea
Takeaway, 45 deg	1	Ea			
<u>Subsystem:</u>	LSS5				
Conveyor length, OB summary	94	If_tot	Conveyor straight	2	Ea
High-speed diverter	1	Ea	Merge, 45 deg	1	Ea
Power turn, 45 deg	2	Ea	Queue belt	9	Ea
Takeaway, 45 deg	1	Ea			
<u>Subsystem:</u>	USS1				
Conveyor length, OB summary	391	If_tot	Conveyor straight	9	Ea
Power turn, 45 deg	5	Ea	Power turn, 90 deg	2	Ea
Queue belt	1	Ea			
<u>Subsystem:</u>	USS2				
Conveyor decline	1	Ea	Conveyor incline	1	Ea
Conveyor length, OB summary	119	If_tot	High-speed diverter	1	Ea
Merge, 45 deg	1	Ea	Queue belt	12	Ea
Takeaway, 45 deg	1	Ea			
<u>Subsystem:</u>	USS3				
Conveyor decline	1	Ea	Conveyor incline	1	Ea
Conveyor length, OB summary	112	If_tot	Conveyor straight	1	Ea
High-speed diverter	1	Ea	Merge, 45 deg	1	Ea
Queue belt	10	Ea	Takeaway, 45 deg	1	Ea
<u>Subsystem:</u>	USS4				
Conveyor decline	1	Ea	Conveyor incline	1	Ea

<u>Subsystem:</u> USS4			Conveyor length, OB summary	101	If_tot
High-speed diverter	1	Ea	Merge, 45 deg	1	Ea
Power turn, 30 deg	2	Ea	Queue belt	12	Ea
Takeaway, 45 deg	1	Ea			
<u>Subsystem:</u> USS5					
Conveyor decline	1	Ea	Conveyor length, OB summary	92	If_tot
High-speed diverter	1	Ea	Merge, 45 deg	1	Ea
Power turn, 30 deg	2	Ea	Queue belt	10	Ea
Takeaway, 45 deg	1	Ea			
<u>Subsystem:</u> UTL1					
Conveyor decline	1	Ea	Conveyor length, OB summary	80	If_tot
Conveyor straight	2	Ea	High-speed diverter	1	Ea
Merge, 45 deg	1	Ea	Power turn, 30 deg	2	Ea
Power turn, 45 deg	1	Ea	Queue belt	2	Ea
<u>Subsystem:</u> ML1					
Conveyor decline	3	Ea	Conveyor incline	1	Ea
Conveyor length, OB summary	452	If_tot	Conveyor straight	8	Ea
High-speed diverter	1	Ea	Power turn, 90 deg	3	Ea
Power turn, spiral, 90 deg	1	Ea			
<u>Subsystem:</u> outbound					
Carousel length, summary	576	If_tot	Make-up unit, slope-plate	4	Ea
<u>Subsystem:</u> RC					
Conveyor incline	3	Ea	Conveyor straight	1	Ea
Merge, 45 deg	1	Ea	Power turn, 45 deg	1	Ea
Power turn, spiral, 90 deg	1	Ea	Queue belt	4	Ea
<u>Subsystem:</u> SP2					
Conveyor decline	1	Ea	Conveyor length, OB summary	77	If_tot
Conveyor straight	1	Ea	High-speed diverter	1	Ea
Takeaway, 45 deg	1	Ea			
<u>Subsystem:</u> SP3					
Conveyor decline	1	Ea	Conveyor length, OB summary	20	If_tot
High-speed diverter	1	Ea	Power turn, spiral, 90 deg	1	Ea
<u>Subsystem:</u> SP4					
Conveyor decline	1	Ea	Conveyor length, OB summary	20	If_tot
High-speed diverter	1	Ea	Power turn, spiral, 90 deg	1	Ea
<u>Subsystem:</u> SP5					
Conveyor decline	1	Ea	Conveyor length, OB summary	134	If_tot
Conveyor straight	2	Ea	High-speed diverter	1	Ea
Power turn, 45 deg	1	Ea	Power turn, spiral, 90 deg	2	Ea
Takeaway, 45 deg	1	Ea			
<u>Subsystem:</u> TX1					

<u>Subsystem:</u> TX1					
Conveyor decline	1	Ea	Conveyor straight	3	Ea
Merge, 45 deg	1	Ea	Power turn, 45 deg	1	Ea
Power turn, 90 deg	1	Ea	Queue belt	7	Ea
<u>Subsystem:</u> UC1					
Conveyor decline	1	Ea	Conveyor length, OB summary	49	If_tot
Conveyor straight	1	Ea	High-speed diverter	1	Ea
Merge, 45 deg	1	Ea	Power turn, spiral, 45 deg	1	Ea
Queue belt	3	Ea			
<u>Subsystem:</u> 14EIB1					
Conveyor incline	4	Ea	Conveyor length IB, summary	242	If_tot
Conveyor load	2	Ea	Conveyor straight	2	Ea
Power turn, 90 deg	4	Ea	Power turn, spiral, 90 deg	1	Ea
Security door	1	Ea			
<u>Subsystem:</u> 14EIB2					
Conveyor incline	3	Ea	Conveyor length IB, summary	252	If_tot
Conveyor load	1	Ea	Conveyor straight	3	Ea
Power turn, 180 deg	1	Ea	Power turn, 90 deg	4	Ea
Queue belt	1	Ea	Security door	1	Ea
<u>Subsystem:</u> 14EIB3					
Conveyor incline	3	Ea	Conveyor length IB, summary	300	If_tot
Conveyor load	1	Ea	Conveyor straight	2	Ea
Power turn, 90 deg	6	Ea	Power turn, spiral, 90 deg	1	Ea
Queue belt	2	Ea	Security door	1	Ea
<u>Subsystem:</u> inbound					
Carousel length, IB summary	602	If_tot	Claim unit, slope-plate	3	Ea
Oversize pax slide	1	Ea	Ski claim	1	Ea
<u>Type:</u> Conveyor Length					
<u>Subsystem:</u> Summary					
Conveyor length, decline	621	If	Conveyor length, incline	195	If
Conveyor length, straight	2012	If			
<u>Type:</u> Location					
<u>Subsystem:</u> General					
N1-N12 / E1-E10		Ea	Terminal levels 6, 5, 4, 3 (SE corner)		Ea
<u>Type:</u> Drawing Set					
<u>Subsystem:</u> Electrical					
P002010-0100_RevE (index sheet - MCP 1)	1	Set	P002010-0200_RevC (index sheet - MCP 2)	1	Set
P002010-0300A_RevE (index sheet - MCP 3)	1	Set	P002010-0400A_RevF (index sheet - MCP 4)	1	Set
P002010-0500_RevG (index sheet - MCP 5)	1	Set	P002010-0600_RevG (index sheet - MCP 6)	1	Set

<u>Subsystem:</u> Electrical			P002010-0700_RevG (index sheet - MCP 7)	1	Set
P002010-0800A_RevI (index sheet - MCP 8)	1	Set	P002010-0900_RevG (index sheet - MCP 9)	1	Set
P002010-1000_RevF (index sheet - MCP 10)	1	Set	P002010-1100_RevF (index sheet - MCP 11)	1	Set
P002010-1200A_RevF (index sheet - MCP 12)	1	Set	P002010-1300A_RevC (index sheet - MCP 13)	1	Set
P002010-1400_RevC (index sheet - MCP 14)	1	Set	P002010-1700_RevC (index sheet - MCP 17)	1	Set
P002010-2000_RevF (index sheet - MCP 20)	1	Set	P002010-2100_RevF (index sheet - MCP 21)	1	Set
P002010-2200_RevF (index sheet - MCP 22)	1	Set	P002010-4505-00_RevC (index sheet - MCP 4505)	1	Set
P002010-4515-00_RevC (index sheet - MCP 4515)	1	Set	P002010ATR-00 (index sheet - ATR information)	1	Set
P002010CNET-00_RevG (index sheet - LCP CNET)	1	Set	P002010COMM-00_RevE (index sheet - comm wiring)	1	Set
P002010HSD-00_RevC (index sheet - HSD wiring)	1	Set	P002010LCP-00_RevF (index sheet - LCP)	1	Set
P002010MCP-00_RevC (index sheet - MCP locations)	1	Set	P002010-SYS.1-00_RevB (index sheet - one-line diagram)	1	Set
P002010T01-00_RevF (index sheet - MCP T01)	1	Set	P002010T02-00_RevF (index sheet - MCP T02)	1	Set
P002010T03A-00_RevF (index sheet - MCP T03A)	1	Set	P002010T03B-00_RevG (index sheet - MCP T03B)	1	Set
<u>Subsystem:</u> Mechanical					
B02010-I-01 (drwg index)	1	Set			
<u>Type:</u> Power Source					
<u>Subsystem:</u> Electrical					
Panel 3-14BSB1	1	Ea	Panel 3-14BSD1	1	Ea
Panel 3-14DD2	1	Ea			
<u>Type:</u> Subsystems					
<u>Subsystem:</u> Curbside					
C1-1/9	1	Line	C2-1/15	1	Line
C3-1/23	1	Line	C4-1/5	1	Line
<u>Subsystem:</u> Ticketing					
T1-1/21	1	Line	T2-1/8	1	Line
T3-1/8	1	Line	T4-1/18	1	Line
<u>Subsystem:</u> Over-size					
OS1-1/4	1	Line	OS2-1/4	1	Line
T01-1/8	1	Lift/Conv	T02-1/8	1	Lift/Conv
T03-1/15	1	Lift/Tote			
<u>Subsystem:</u> Screening					
3ELSS1-1/30	1	Line	3ELSS2-1/14	1	Line
3ELSS3-1/14	1	Line	3ELSS4-1/15	1	Line
3ELSS5-1/15	1	Line	3ETSA-1/15	1	Line
3EUSS1-1/19	1	Line	3EUSS2-1/15	1	Line
3EUSS3-1/15	1	Line	3EUSS4-1/18	1	Line
3EUSS5-1/16	1	Line			

3E - Subsystems

<u>Subsystem:</u> Make-up					
3EML1-1/16	1	Line	3EMU2	1	MU
3EMU3	1	MU	3EMU4	1	MU
3EMU5	1	MU	3ERC1-1/11	1	Line
3EUC1-1/7	1	Line	3EUTL1-1/9	1	Line
SB2-1/3	1	Line	SB3-1/2	1	Line
SB4-1/2	1	Line	SB5-1/7	1	Line
<u>Subsystem:</u> Transfer					
TX1-20/33	1	Line			
<u>Subsystem:</u> Inbound					
14EIB1	1	Line	14EIB2	1	Line
14EIB3	1	Line			
<u>Type:</u> LCP					
<u>Subsystem:</u> Internal					
Back-up module	10	Ea	ControlNet bridge	34	Ea
EtherNet interface	2	Ea	Gateway Interface	2	Ea
S7 Digital module, 24V DC input, 16 I/O	2	Ea	S7 Digital module, 24V DC output, 16 I/O	2	Ea
S7 Power supply, 10A 5V	12	Ea			
<u>Subsystem:</u> primary					
PLC Allen Bradley 5500	5	Ea	S7 Repeater module	20	Ea
<u>Subsystem:</u> redundant					
PLC Allen Bradley 5500	5	Ea	S7 Repeater module	20	Ea
<u>Type:</u> MCP					
<u>Subsystem:</u> Oversize					
AB Digital module, 110V AC input, 16 I/O	14	Ea	AB Digital module, 110V AC input, 16 I/O	28	Ea
Contactora, non-reversing	29	Ea	Contactora, reversing	4	Ea
External braking resistor	4	Ea	Fuse	96	Ea
Panel Heater	4	Ea	PLC Allen Bradley SLC500	4	Ea
Relay	54	Ea	Safetronics VFD	4	Ea
Transformer	10	Ea			
<u>Subsystem:</u> outbound					
AB Digital module, 110V AC input, 16 I/O	160	Ea	AB Digital module, 110V AC output, 16 I/O	97	Ea
AB Digital module, 24V DC input, 16 I/O	15	Ea	Contactora, non-reversing	334	Ea
Contactora, reversing	65	Ea	ControlNet bridge	34	Ea
ControLogix interface	13	Ea	EtherNet interface	7	Ea
Fuse	502	Ea	Power supply, 24 VDC	15	Ea
Relay	616	Ea	S7 Power supply, 10A 5V	34	Ea
Soft start	4	Ea	Transformer	38	Ea
<u>Subsystem:</u> Inbound					

<u>Subsystem:</u> Inbound					
PLC Square D Symax	3	Ea	Symax Digital module, 110V AC input, 16 I/O		Ea
Symax Digital module, 110V AC output, 16 I/O		Ea	Symax Power Supply external		Ea
Symax Power Supply internal		Ea			
<u>Subsystem:</u> Total					
MCP cabinet	24	Ea			
<u>Type:</u> Control Devices					
<u>Subsystem:</u> Total					
Badge reader	14	Ea	Bag tag reader	8	Ea
Control station	207	Ea	Door	14	Ea
Limit switch	146	Ea	Maintenance intervention control station (MICS)	76	Ea
Photo eye	390	Ea	Quadplex	14	Ea
Run lanyard	2	Ea	Shaft encoder	53	Ea
Solonoid	46	Ea	Warning alarm	57	Ea
<u>Type:</u> Cabling					
<u>Subsystem:</u> Total					
Fiber	180	If			
<u>Type:</u> Computer Systems					
<u>Subsystem:</u> Appendix H Workstation					
CD-R drive	1	Ea	HD 60 GB hard drive	1	Ea
HP D9600 Intel SFF PC	1	Ea	NEC 20.1 LCD 1200x1600 native resolution	1	Ea
Ram 1GB	1	Ea	Rocket port 4Si	1	Ea
Symbol LS3408 wireless hand-scanner/cradle	3	Ea	Windows XP, SP2	1	Ea
<u>Subsystem:</u> Hardware					
Appendix H Workstation	1	Ea			
<u>Type:</u> GFE					
<u>Subsystem:</u> shared w/ FIS					
TRI	3	Ea			
<u>Subsystem:</u> Total					
CI	1	Ea	CT-80	1	Ea
CTX9000	4	Ea	CTX9400	2	Ea
ETD	6	Ea	pTRI	15	Ea
<u>Module:</u> 3W					
<u>Type:</u> Conveyor Detail					
<u>Subsystem:</u> OSP					
Pet Lift	1	Ea			

Subsystem: C13

Conveyor decline	2	Ea	Conveyor length, OB summary	215	If_tot
Conveyor straight	2	Ea	Merge, 45 deg	1	Ea
Power turn, 45 deg	3	Ea	Power turn, 90 deg	1	Ea
Power turn, spiral, 180 deg	6	Ea	Power turn, spiral, 90 deg	1	Ea
Queue belt	1	Ea	Security door	1	Ea

Subsystem: C14

Conveyor decline	1	Ea	Conveyor length, OB summary	154	If_tot
Conveyor straight	2	Ea	Merge, 45 deg	1	Ea
Power turn, 90 deg	1	Ea	Power turn, spiral, 180 deg	6	Ea
Queue belt	3	Ea	Security door	1	Ea

Subsystem: C15

Conveyor decline	1	Ea	Conveyor length, OB summary	86	If_tot
Conveyor straight	2	Ea	Merge, 45 deg	1	Ea
Power turn, 90 deg	1	Ea	Queue belt	2	Ea
Security door	1	Ea			

Subsystem: TC1

Conveyor decline	8	Ea	Conveyor incline/decline	1	Ea
Conveyor length, OB summary	737	If_tot	Conveyor straight	9	Ea
Conveyor ticketing	2	Ea	High-speed diverter	1	Ea
Merge, 45 deg	1	Ea	Power turn, 135 deg	1	Ea
Power turn, 30 deg	1	Ea	Power turn, 45 deg	3	Ea
Power turn, 90 deg	7	Ea	Power turn, spiral, 90 deg	6	Ea
Queue belt	5	Ea	Security door	1	Ea
VFD	1	Ea			

Subsystem: TC2

Conveyor decline	9	Ea	Conveyor incline	1	Ea
Conveyor length, OB summary	1265	If_tot	Conveyor straight	24	Ea
Conveyor ticketing	2	Ea	High-speed diverter	1	Ea
Power turn, 45 deg	6	Ea	Power turn, 90 deg	11	Ea
Power turn, spiral, 90 deg	4	Ea	Queue belt	8	Ea
Security door	1	Ea			

Subsystem: 3WOS1

Conveyor length, OS summary	5	If_tot	Conveyor OS straight	1	Ea
High-speed diverter	1	Ea	Oddsize Roll Bars	1	Ea

Subsystem: 3WOS2

Conveyor length, OS summary	5	If_tot	Conveyor OS straight	1	Ea
High-speed diverter	1	Ea	Oddsize Roll Bars	1	Ea

Subsystem: 3W2L

Conveyor length, OB summary	37	If_tot	Conveyor straight	1	Ea
High-speed diverter	1	Ea	Merge, 45 deg	1	Ea
Power turn, 45 deg	1	Ea	Queue belt	3	Ea
VFD	2	Ea			

Subsystem: 3WBP1

Conveyor incline	1	Ea	Conveyor length, OB summary	67	If_tot
Conveyor straight	2	Ea	High-speed diverter	1	Ea
Merge, 45 deg	1	Ea	Power turn, 45 deg	1	Ea
Power turn, 90 deg	1	Ea	Queue belt	3	Ea
VFD	3	Ea			

Subsystem: 3W1L

Conveyor length, OB summary	101	If_tot	Conveyor straight	3	Ea
Merge, 45 deg	1	Ea	Power turn, 45 deg	1	Ea
Queue belt	4	Ea	VFD	4	Ea

Subsystem: 3W1L1

Conveyor incline	1	Ea	Conveyor length, OB summary	81	If_tot
Conveyor straight	2	Ea	High-speed diverter	1	Ea
Merge, 45 deg	1	Ea	Power turn, 45 deg	3	Ea
Queue belt	7	Ea	Takeaway, 45 deg	1	Ea
VFD	4	Ea			

Subsystem: 3W1L2

Conveyor incline	1	Ea	Conveyor length, OB summary	81	If_tot
Conveyor straight	2	Ea	High-speed diverter	1	Ea
Merge, 45 deg	1	Ea	Power turn, 45 deg	3	Ea
Queue belt	7	Ea	Takeaway, 45 deg	1	Ea
VFD	4	Ea			

Subsystem: 3W1L3

Conveyor incline	1	Ea	Conveyor length, OB summary	81	If_tot
Conveyor straight	3	Ea	High-speed diverter	1	Ea
Merge, 45 deg	1	Ea	Power turn, 45 deg	3	Ea
Queue belt	7	Ea	Takeaway, 45 deg	1	Ea
VFD	4	Ea			

Subsystem: 3W1L4

Conveyor incline	1	Ea	Conveyor length, OB summary	77	If_tot
Conveyor straight	2	Ea	High-speed diverter	1	Ea
Merge, 45 deg	1	Ea	Power turn, 45 deg	1	Ea
Queue belt	9	Ea	Takeaway, 45 deg	1	Ea
VFD	4	Ea			

Subsystem: 3W2L1

Conveyor incline	1	Ea	Conveyor length, OB summary	78	If_tot
Conveyor straight	2	Ea	High-speed diverter	1	Ea
Merge, 45 deg	1	Ea	Power turn, 45 deg	3	Ea
Queue belt	4	Ea	Takeaway, 45 deg	1	Ea
VFD	4	Ea			

Subsystem: 3W2L2

Conveyor incline	1	Ea	Conveyor length, OB summary	77	If_tot
Conveyor straight	2	Ea	High-speed diverter	1	Ea

<u>Subsystem:</u> 3W2L2			Merge, 45 deg	1	Ea
Power turn, 45 deg	1	Ea	Queue belt	6	Ea
Takeaway, 45 deg	1	Ea	VFD	4	Ea
<u>Subsystem:</u> 3W2L3					
Conveyor incline	1	Ea	Conveyor length, OB summary	77	If_tot
Conveyor straight	2	Ea	High-speed diverter	1	Ea
Merge, 45 deg	1	Ea	Power turn, 45 deg	1	Ea
Queue belt	6	Ea	Takeaway, 45 deg	1	Ea
VFD	3	Ea			
<u>Subsystem:</u> 3W2L4					
Conveyor incline	1	Ea	Conveyor length, OB summary	78	If_tot
Conveyor straight	2	Ea	High-speed diverter	1	Ea
Merge, 45 deg	1	Ea	Power turn, 45 deg	3	Ea
Queue belt	4	Ea	Takeaway, 45 deg	1	Ea
VFD	3	Ea			
<u>Subsystem:</u> 3WRC1					
Conveyor length, OB summary	97	If_tot	Conveyor straight	2	Ea
High-speed diverter	1	Ea	Merge, 45 deg	1	Ea
Power turn, 45 deg	2	Ea	Queue belt	3	Ea
Takeaway, 45 deg	1	Ea	VFD	1	Ea
<u>Subsystem:</u> 3WRC2					
Conveyor incline	1	Ea	Conveyor length, OB summary	97	If_tot
Conveyor straight	2	Ea	High-speed diverter	1	Ea
Merge, 45 deg	1	Ea	Power turn, 45 deg	2	Ea
Queue belt	2	Ea	Takeaway, 45 deg	1	Ea
VFD	1	Ea			
<u>Subsystem:</u> 3WSL1					
Conveyor decline	1	Ea	Conveyor length, OB summary	594	If_tot
Conveyor straight	17	Ea	High-speed diverter	1	Ea
Power turn, 45 deg	5	Ea	Power turn, 90 deg	3	Ea
Queue belt	6	Ea	Takeaway, 45 deg	1	Ea
VFD	8	Ea			
<u>Subsystem:</u> 3WTSA					
Conveyor decline	1	Ea	Conveyor incline	1	Ea
Conveyor length, OB summary	60	If_tot	Power turn, 45 deg	1	Ea
Power turn, 90 deg	1	Ea	Queue belt	1	Ea
<u>Subsystem:</u> 3WCX					
Conveyor decline	1	Ea	Conveyor length, OB summary	40	If_tot
High-speed diverter	1	Ea	Merge, 45 deg	1	Ea
Power turn, 45 deg	2	Ea	Queue belt	2	Ea
Queue belt (ext)	1	Ea	Takeaway, 45 deg	1	Ea
VFD	1	Ea			
<u>Subsystem:</u> 3WX					

<u>Subsystem:</u> 3WX			Conveyor decline	1	Ea
Conveyor incline	1	Ea	Conveyor length, OB summary	103	If_tot
Conveyor straight	2	Ea	High-speed diverter	1	Ea
Merge, 45 deg	1	Ea	Power turn, 45 deg	1	Ea
Queue belt	4	Ea	VFD	1	Ea
<u>Subsystem:</u> XC32					
Conveyor length, OB summary	47	If_tot	Conveyor straight	1	Ea
High-speed diverter	1	Ea	Power turn, 45 deg	1	Ea
Takeaway, 45 deg	1	Ea			
<u>Subsystem:</u> 3WBWP					
Conveyor length, OB summary	27	If_tot	Conveyor straight	1	Ea
High-speed diverter	1	Ea	Merge, 45 deg	1	Ea
Power turn, 45 deg	1	Ea	Queue belt	2	Ea
VFD	1	Ea			
<u>Subsystem:</u> 3WML					
Conveyor decline	1	Ea	Conveyor incline	3	Ea
Conveyor length, OB summary	250	If_tot	Conveyor straight	3	Ea
High-speed diverter	1	Ea	Power turn, 45 deg	3	Ea
Power turn, 90 deg	1	Ea	Queue belt	4	Ea
Takeaway, 45 deg	1	Ea	VFD	4	Ea
<u>Subsystem:</u> 3WRC3					
Conveyor incline	1	Ea	Conveyor length, OB summary	81	If_tot
Conveyor straight	1	Ea	Merge, 45 deg	1	Ea
Power turn, 45 deg	3	Ea	Queue belt	1	Ea
VFD	1	Ea			
<u>Subsystem:</u> MU3WN					
Conveyor decline	1	Ea	Conveyor incline	1	Ea
Conveyor incline/decline	1	Ea	Conveyor length, OB summary	403	If_tot
Conveyor straight	9	Ea	High-speed diverter	1	Ea
Power turn, 30 deg	2	Ea	Power turn, 90 deg	1	Ea
Power turn, spiral, 30 deg	2	Ea	Power turn, spiral, 90 deg	1	Ea
Queue belt	6	Ea	Takeaway, 45 deg	1	Ea
VFD	4	Ea			
<u>Subsystem:</u> MU3WN1					
Conveyor decline	1	Ea	Conveyor incline/decline	1	Ea
Conveyor length, OB summary	64	If_tot	Conveyor straight	2	Ea
High-speed diverter	1	Ea	Power turn, spiral, 30 deg	2	Ea
Power turn, spiral, 90 deg	1	Ea			
<u>Subsystem:</u> MU3WN2					
Conveyor decline	1	Ea	Conveyor length, OB summary	38	If_tot
Conveyor straight	2	Ea	High-speed diverter	1	Ea
<u>Subsystem:</u> outbound					
Carousel length, summary	656	If_tot	Make-up unit, flat-plate w/ plow merge	3	Ea

Subsystem: 14WIB1

Conveyor incline	3	Ea	Conveyor length IB, summary	289	If_tot
Conveyor load	2	Ea	Conveyor straight	2	Ea
Power turn, 180 deg	1	Ea	Power turn, 90 deg	5	Ea
Security door	1	Ea			

Subsystem: 14WIB2

Conveyor incline	4	Ea	Conveyor length IB, summary	256	If_tot
Conveyor load	2	Ea	Conveyor straight	1	Ea
Power turn, 180 deg	1	Ea	Power turn, 90 deg	5	Ea
Security door	1	Ea			

Subsystem: 14WIB3

Conveyor incline	5	Ea	Conveyor straight	8	Ea
Power turn, 180 deg	1	Ea	Power turn, 30 deg	2	Ea
Power turn, 90 deg	5	Ea	Security door	1	Ea

Subsystem: inbound

Carousel length, IB summary	649	If_tot	Claim unit, slope-plate	3	Ea
Oversize pax slide	1	Ea	Ski claim	1	Ea

Type: Conveyor LengthSubsystem: Total

Conveyor length, decline	569	If	Conveyor length, incline	313	If
Conveyor length, straight	3065	If			

Type: LocationSubsystem: General

Garage level 3 (SW corner)		Ea	N1-N10 / W1-W20		Ea
Terminal levels 6, 5.5, 5, 4, 3 (SW corner)		Ea			

Type: Drawing SetSubsystem: Electrical

P003004-01W300A - RevC (drwg index - MCP 1W3)	1	Set	P003004-07W300A - RevE (drwg index - MCP 7W3)	1	Set
P003004-10W300A - RevF (drwg index - MCP 10W3)	1	Set	P003004-11W300A - RevC (drwg index - MCP 11W3)	1	Set
P003004-12W300A - RevB (drwg index - MCP 12W3)	1	Set	P003004-13W300A - RevB (drwg index - MCP 13W3)	1	Set
P003004-14W300A - RevB (drwg index - MCP 14W3)	1	Set	P003004-15W300A - RevB (drwg index - MCP 15W3)	1	Set
P003004-16W300A - RevA (drwg index - MCP 16W3)	1	Set	P003004-17W300A - RevB (drwg index - MCP 17W3)	1	Set
P003004-18W300A - RevA (drwg index - MCP 18W3)	1	Set	P003004-19W300A - RevB (drwg index - MCP 19W3)	1	Set
P003004-20W300A - RevA (drwg index - MCP 20W3)	1	Set	P003004-21W300A - RevA (drwg index - MCP 21W3)	1	Set
P003004-22W300A - RevA (drwg index - MCP 22W3)	1	Set	P003004-23W300A - RevB (drwg index - MCP 23W3)	1	Set
P003004-24W300A - RevD (drwg index - MCP 24W3)	1	Set	P003004-25W300A - RevB (drwg index - MCP 25W3)	1	Set

<u>Subsystem:</u> Electrical			P003004-26W300A - RevA (drwg index - MCP 26W3)	1	Set
P003004-2W300A - RevC (drwg index - MCP 2W3)	1	Set	P003004-3W300A - RevA (drwg index - MCP 3W3)	1	Set
P003004-4W300A - RevC (drwg index - MCP 4W3)	1	Set	P003004-5W300A - RevB (drwg index - MCP 5W3)	1	Set
P003004-6W300A - RevB (drwg index - MCP 6W3)	1	Set	P003004-8W300A - RevE (drwg index - MCP 8W3)	1	Set
P003004-9W300A - RevD (drwg index - MCP 9W3)	1	Set	P003004COMM-3W00A - RevF (drwg index - ethernet wiring)	1	Set
P003004LCP-3W00A - RevD (drwg index - LCP 2W)	1	Set	P003004-MCP-LOC-W3-00 - RevXX (drwg index - MCP locations)	1	Set
P003004PBCOMM-3W00A - RevC (drwg index - profibus comms)	1	Set	P003004SYSW3-00A - RevC (drwg index - one-line diagrams)	1	Set
<u>Subsystem:</u> Mechanical					
B03004-I1-05_rev41 (drwg index)	1	Set	B03004-I1-06_rev37 (drwg index)	1	Set
<u>Type:</u> Power Source					
<u>Subsystem:</u> Electrical					
Panel 3-13DD1	1	Ea	Panel 3-14AD1	1	Ea
Panel 3-14AD2	1	Ea	Panel 3-14AD3	1	Ea
Panel 3-14ASB1	1	Ea	Panel 3-14CD2	1	Ea
Panel 3-14CSB1	1	Ea			
<u>Type:</u> Subsystems					
<u>Subsystem:</u> Curbside					
C13-1/16	1	Line	C14-1/13	1	Line
C15-1/7	1	Line			
<u>Subsystem:</u> Ticketing					
3W1L-1/7	1	Line	TC1-1/44	1	Line
TC2-1/64	1	Line			
<u>Subsystem:</u> IB Oversize					
TO16	1	Lift/Tote			
<u>Subsystem:</u> Oversize					
3WOS1-1	1	Line	3WOS2-1	1	Line
OCS-1/11	1	Line	OCS2-1/14	1	Line
TO17	1	Lift/Tote	TO18	1	Lift/Tote
<u>Subsystem:</u> Screening					
3W1L1-1/15	1	Line	3W1L2-1/15	1	Line
3W1L3-1/16	1	Line	3W1L4-1/15	1	Line
3W2L-1/6	1	Line	3W2L1-1/12	1	Line
3W2L2-1/12	1	Line	3W2L3-1/12	1	Line
3W2L4-1/12	1	Line	3WRC1-1/9	1	Line
3WRC2-1/10	1	Line	3WSL1-1/16, 27/33	1	Line
3WSL1-17/26	1	Line	3WTSA-1/5	1	Line
<u>Subsystem:</u> Make-up					

<u>Subsystem:</u> Make-up			3WBP-1/5	1	Line
3WBP1-1A/8	1	Line	3WML-1/16	1	Line
3WRC3-1/7	1	Line	MU3WN1	1	MU
MU3WN1-1/7	1	Line	MU3WN2	1	MU
MU3WN2-1/3	1	Line	MU3WN3	1	MU
MU3WN-3/27	1	Line			
<u>Subsystem:</u> Transfer					
3WCX-1/8	1	Ea	3WX-1/12	1	Ea
XC23-1/16	1	Line			
<u>Subsystem:</u> Inbound					
14WIB1	1	Line	14WIB2	1	Line
14WIB3	1	Line			
<u>Type:</u> Motors					
<u>Subsystem:</u> Sizes					
Motor 1HP	23	Ea	Motor 2HP	236	Ea
Motor 3HP	30	Ea	Motor 5HP	43	Ea
<u>Type:</u> LCP					
<u>Subsystem:</u> Primary					
PLC Siemens S7	8	Ea	PLC Square D Symax	4	Ea
S7 Digital module, 24V DC input, 16 I/O	1	Ea	S7 EtherNet interface 100 BaseT	8	Ea
S7 Power supply, 10A 5V	8	Ea	S7 Repeater module	16	Ea
<u>Subsystem:</u> Redundant					
PLC Siemens S7	8	Ea	S7 Digital module, 24V DC input, 16 I/O	1	Ea
S7 EtherNet interface 100 BaseT	8	Ea	S7 Power supply, 10A 5V	8	Ea
S7 Repeater module	16	Ea			
<u>Type:</u> MCP					
<u>Subsystem:</u> outbound					
Contactator, non-reversing	517	Ea	Contactator, reversing	27	Ea
Fuse	1293	Ea	Power supply, 24 VDC	54	Ea
Profibus interface	63	Ea	Relay	1277	Ea
S7 Digital module, 110 VAC output	8	Ea	S7 Digital module, 24V DC input, 16 I/O	231	Ea
S7 Digital module, 24V DC output, 16 I/O	181	Ea	Soft start	3	Ea
Transformer	42	Ea			
<u>Subsystem:</u> Inbound					
PLC Square D Symax	3	Ea	Symax Digital module, 110V AC input, 16 I/O		Ea
Symax Digital module, 110V AC output, 16 I/O		Ea	Symax Power Supply external		Ea
Symax Power Supply internal		Ea			
<u>Subsystem:</u> Total					

<u>Subsystem:</u>	Total		
MCP cabinet	26	Ea	

<u>Type:</u>	Control Devices
--------------	-----------------

<u>Subsystem:</u>	Total		
Badge reader	7	Ea	
Control station	259	Ea	
Duplex	16	Ea	
Maintenance intervention control station (MICS)	119	Ea	
Run lanyard	1	Ea	
Warning alarm	77	Ea	

<u>Type:</u>	Cabling
--------------	---------

<u>Subsystem:</u>	Total		
Fiber	640	If	

<u>Type:</u>	Computer Systems
--------------	------------------

<u>Subsystem:</u>	Appendix H Workstation		
CD-R drive	1	Ea	
HP D9600 Intel SFF PC	1	Ea	
Ram 1GB	1	Ea	
Symbol LS3408 wireless hand-scanner/cradle	3	Ea	

<u>Subsystem:</u>	Graphics
-------------------	----------

Siemens 15" Graphics touch panel	3	Ea	
----------------------------------	---	----	--

<u>Subsystem:</u>	Hardware
-------------------	----------

Appendix H Workstation	1	Ea	
------------------------	---	----	--

<u>Subsystem:</u>	Network
-------------------	---------

NTRON 10/100BaseT & 100BaseFX 16 port	4	Ea	
---------------------------------------	---	----	--

<u>Type:</u>	GFE
--------------	-----

<u>Subsystem:</u>	Total
-------------------	-------

CI	1	Ea	
ETD	10	Ea	
TRI	4	Ea	

Bag tag reader	10	Ea
Door	5	Ea
Limit switch	4	Ea
Photo eye	570	Ea
Shaft encoder	67	Ea

HD 60 GB hard drive	1	Ea
NEC 20.1 LCD 1200x1600 native resolution	2	Ea
Rocket port 4Si	1	Ea
Windows XP, SP2	1	Ea

Rocket port 4Si	2	Ea
-----------------	---	----

CTX9000	5	Ea
pTRI	16	Ea

<u>Module:</u>	FIS
----------------	-----

<u>Type:</u>	Conveyor Detail
--------------	-----------------

<u>Subsystem:</u>	5OS1
-------------------	------

Conveyor length, OS summary	193	If_tot	Conveyor OS incline	1	Ea
Conveyor OS straight	2	Ea	Conveyor OS unload	1	Ea
Power turn OS, 90 deg	3	Ea	Power turn OS, spiral, 180 deg	4	Ea

Subsystem: FISSE

Conveyor length, OS summary	137	If_tot	Conveyor OS incline	3	Ea
Conveyor OS load	1	Ea	Conveyor OS straight	2	Ea
Power turn OS, 90 deg	3	Ea	Security door	1	Ea

Subsystem: FISSW

Conveyor length, OS summary	239	If_tot	Conveyor OS decline	2	Ea
Conveyor OS straight	2	Ea	Conveyor OS unload	1	Ea
Power turn OS, 45 deg	2	Ea	Power turn OS, 90 deg	3	Ea
Security door	1	Ea			

Subsystem: FO1

Conveyor length, OS summary	233	If_tot	Conveyor OS decline	2	Ea
Conveyor OS load	1	Ea	Conveyor OS straight	2	Ea
Power turn OS, 90 deg	2	Ea	Power turn OS, spiral, 180 deg	4	Ea
Power turn OS, spiral, 90 deg	1	Ea			

Subsystem: F

Conveyor incline	3	Ea	Conveyor length, OB summary	417	If_tot
Conveyor straight	8	Ea	Power turn, 90 deg	3	Ea
Power turn, spiral, 45 deg	2	Ea	Queue belt	1	Ea
Security door	2	Ea			

Subsystem: SB1

Conveyor decline	1	Ea	Conveyor incline	1	Ea
Conveyor length, OB summary	101	If_tot	Conveyor straight	3	Ea
High-speed diverter	1	Ea	Merge, 45 deg	1	Ea
Power turn, 45 deg	1	Ea	Power turn, 90 deg	1	Ea
Queue belt	9	Ea	Takeaway, 45 deg	1	Ea
VFD	3	Ea			

Subsystem: SB2

Conveyor incline	3	Ea	Conveyor length, OB summary	56	If_tot
High-speed diverter	1	Ea	Merge, 45 deg	1	Ea
Power turn, 45 deg	3	Ea	Power turn, spiral, 45 deg	2	Ea
Queue belt	3	Ea	Takeaway, 45 deg	1	Ea
VFD	3	Ea			

Subsystem: FISTSA

Conveyor incline	2	Ea	Conveyor length, OB summary	95	If_tot
Conveyor straight	2	Ea	Power turn, 45 deg	1	Ea
Power turn, spiral, 45 deg	1	Ea	Queue belt	4	Ea
VFD	1	Ea			

Subsystem: RC1

Conveyor decline	1	Ea	Conveyor length, OB summary	157	If_tot
Conveyor straight	5	Ea	Merge, 45 deg	1	Ea
Power turn, 45 deg	1	Ea	Power turn, 90 deg	1	Ea
Queue belt	4	Ea			

Subsystem: CB1

<u>Subsystem:</u> CB1					
Conveyor incline	1	Ea	Conveyor length, OB summary	50	If_tot
High-speed diverter	1	Ea	Merge, 45 deg	1	Ea
Power turn, 45 deg	2	Ea	Queue belt	2	Ea
Takeaway, 45 deg	1	Ea	VFD	1	Ea
<u>Subsystem:</u> CB2					
Conveyor decline	5	Ea	Conveyor incline	4	Ea
Conveyor length, OB summary	631	If_tot	Conveyor straight	9	Ea
High-speed diverter	1	Ea	Power turn, 30 deg	2	Ea
Power turn, 45 deg	2	Ea	Power turn, 90 deg	4	Ea
Power turn, spiral, 30 deg	2	Ea	Power turn, spiral, 90 deg	1	Ea
Queue belt	3	Ea	VFD	1	Ea
<u>Subsystem:</u> Transfer					
Blue storage bins	24	Ea			
<u>Subsystem:</u> 5IB1					
Conveyor incline	5	Ea	Conveyor length IB, summary	332	If_tot
Conveyor load	2	Ea	Conveyor straight	3	Ea
Merge, 45 deg	1	Ea	Power turn, 45 deg	1	Ea
Power turn, 90 deg	4	Ea	Queue belt	2	Ea
<u>Subsystem:</u> 5IB2					
Conveyor incline	5	Ea	Conveyor length IB, summary	358	If_tot
Conveyor load	2	Ea	Conveyor straight	3	Ea
Merge, 45 deg	1	Ea	Power turn, 45 deg	1	Ea
Power turn, 90 deg	4	Ea	Queue belt	3	Ea
<u>Subsystem:</u> 5IB3					
Conveyor incline	4	Ea	Conveyor length IB, summary	393	If_tot
Conveyor load	2	Ea	Conveyor straight	4	Ea
Merge, 45 deg	1	Ea	Power turn, 30 deg	1	Ea
Power turn, 45 deg	1	Ea	Power turn, 60 deg	1	Ea
Power turn, 90 deg	5	Ea	Power turn, spiral, 90 deg	1	Ea
Queue belt	2	Ea	Queue belt (ext)	1	Ea
<u>Subsystem:</u> inbound					
Carousel length, IB summary	654	If_tot	Claim unit, slope-plate	3	Ea
Oversize pax slide	1	Ea			
<u>Type:</u> Conveyor Length					
<u>Subsystem:</u> Summary					
Conveyor length, decline	272	If	Conveyor length, incline	137	If
Conveyor length, straight	652	If	Conveyor OS decline	145	If
Conveyor OS incline	88	If	Conveyor OS straight	225	If
<u>Type:</u> Location					
<u>Subsystem:</u> General					

<u>Subsystem:</u> General			N30-N43 / W4-E4 and N20-N30 / E2-E4	Ea	
North Terminal levels 5, 4, 3		Ea	Terminal level 3	Ea	
<u>Type:</u> Drawing Set					
<u>Subsystem:</u> Electrical					
P003004-1FIS00A - RevE (drwg index - MCP 1FIS)	1	Set	P003004-2FIS00A - RevD (drwg index - MCP 2FIS)	1	Set
P003004-3FIS00A - RevE (drwg index - MCP 3FIS)	1	Set	P003004-4FIS00A - RevC (drwg index - MCP 4FIS)	1	Set
P003004-5FIS00A - RevC (drwg index - MCP 5FIS)	1	Set	P003004-6FIS00A - RevD (drwg index - MCP 6FIS)	1	Set
P003004COMM-FIS00A - RevD (drwg index - ethernet wiring)	1	Set	P003004LCP-FIS00A - RevD (drwg index - LCP FIS)	1	Set
P003004-MCP-LOC-FIS-00 - RevE (drwg index - MCP locations)	1	Set	P003004PBCOMM-FIS00A - RevB (drwg index - profibus comms)	1	Set
P003004SYSFIS-00A - RevE (drwg index - one-line diagram)	1	Set			
<u>Subsystem:</u> Mechanical					
B03004-I1-05_rev41 (drwg index)	1	Set	B03004-I1-06_rev37 (drwg index)	1	Set
<u>Type:</u> Power Source					
<u>Subsystem:</u> Electrical					
Panel 3-8BD1	1	Ea	Panel 3-8BSB1	1	Ea
<u>Type:</u> Subsystems					
<u>Subsystem:</u> Ticketing					
F-1/11	1	Ea			
<u>Subsystem:</u> Oversize					
5OS1	1	Line	FISSE	1	Line
FISSW	1	Line	FO1	1	Line
<u>Subsystem:</u> Screening					
CB1-1/7	1	Ea	F-12/17	1	Ea
FISTSA-1/10	1	Ea	RC1-1/13	1	Ea
SB1-1/19	1	Ea	SB2-1/13	1	Ea
<u>Subsystem:</u> Make-up					
CB2-1/32	1	Ea			
<u>Subsystem:</u> Inbound					
5IB1	1	Ea	5IB2	1	Ea
5IB3	1	Ea			
<u>Type:</u> LCP					
<u>Subsystem:</u> Primary					
PLC Siemens S7	2	Ea	S7 Digital module, 24V DC input, 16 I/O	1	Ea
S7 EtherNet interface 100 BaseT	2	Ea	S7 Power supply, 10A 5V	2	Ea

FIS - LCP

<u>Subsystem:</u>	Primary			S7 Repeater module	4	Ea
<u>Subsystem:</u>	Redundant					
PLC Siemens S7	2	Ea		S7 Digital module, 24V DC input, 16 I/O	1	Ea
S7 EtherNet interface 100 BaseT	2	Ea		S7 Power supply, 10A 5V	2	Ea
S7 Repeater module	4	Ea				
<u>Type:</u>	MCP					
<u>Subsystem:</u>	Oversize					
AB Digital module, 110V AC input, 16 I/O	7	Ea		AB Digital module, 110V AC output, 16 I/O	5	Ea
Contactator, non-reversing	44	Ea		Contactator, reversing	1	Ea
Fuse	43	Ea		Panel Heater	3	Ea
PLC Allen Bradley PLC5	1	Ea		PLC Square D Symax	1	Ea
Relay	16	Ea		Symax Digital module, 110V AC input, 16 I/O	8	Ea
Symax Digital module, 110V AC output, 16 I/O	7	Ea				
<u>Subsystem:</u>	outbound					
Contactator, non-reversing	118	Ea		Contactator, reversing	5	Ea
Fuse	296	Ea		Power supply, 24 VDC	14	Ea
Profibus interface	14	Ea		Relay	297	Ea
S7 Digital module, 110 VAC output	10	Ea		S7 Digital module, 24V DC input, 16 I/O	50	Ea
S7 Digital module, 24V DC output, 16 I/O	41	Ea		Transformer	13	Ea
<u>Subsystem:</u>	inbound					
<u>Primary</u>						
PLC Siemens S7	3	Ea		S7 Digital module, 24V DC output, 16 I/O	18	Ea
S7 Power supply, 10A 5V	6	Ea		S7 Repeater module	4	Ea
S7 Repeater module	4	Ea				
<u>Redundant</u>						
PLC Siemens S7	3	Ea		S7 Digital module, 24V DC input, 16 I/O	30	Ea
<u>Subsystem:</u>	Total					
MCP cabinet	6	Ea		MCP cabinet	3	Ea
<u>Type:</u>	Control Devices					
<u>Subsystem:</u>	outbound					
Badge reader	2	Ea		Bag tag reader	2	Ea
Control station	65	Ea		Door	2	Ea
Duplex	4	Ea		Limit switch	2	Ea
Maintenance intervention control station (MICS)	24	Ea		Photo eye	120	Ea
Run lanyard	2	Ea		Shaft encoder	19	Ea
Warning alarm	21	Ea				
<u>Subsystem:</u>	Inbound					
Contactator, non-reversing	69	Ea		Contactator, reversing	3	Ea

<u>Subsystem:</u> Inbound			Control station	48	Ea
Maintenance intervention control station (MICS)	24	Ea	Photo eye	84	Ea
Security door	3	Ea	Warning alarm	18	Ea
<u>Type:</u> Cabling					
<u>Subsystem:</u> Total					
Fiber	660	If			
<u>Type:</u> Computer Systems					
<u>Subsystem:</u> Appendix H Workstation					
CD-R drive	1	Ea	HD 60 GB hard drive	1	Ea
HP D9600 Intel SFF PC	1	Ea	NEC 20.1 LCD 1200x1600 native resolution	1	Ea
Ram 1GB	1	Ea	Rocket port 4Si	1	Ea
Symbol LS3408 wireless hand-scanner/cradle	2	Ea	Windows XP, SP2	1	Ea
<u>Subsystem:</u> Graphics					
Siemens 15" Graphics touch panel	1	Ea			
<u>Subsystem:</u> Hardware					
Appendix H workstation	1	Ea			
<u>Subsystem:</u> Network					
NTRON 10/100BaseT & 100BaseFX 16 port	2	Ea			
<u>Type:</u> GFE					
<u>Subsystem:</u> shared w/ 3E					
TRI (shared w/ 3E)	3	Ea			
<u>Subsystem:</u> Total					
CI	0	Ea	CTX9000	2	Ea
ETD	6	Ea	pTRI	8	Ea
<u>Module:</u> CMF					
<u>Type:</u> Computer Systems					
<u>Subsystem:</u> Workstation					
<u>Graphic workstation Client</u>					
CD-R drive	2	Ea	HD 250 Gb, 10000 RPM eSATA	2	Ea
HD 70 Gb, 10000 RPM eSATA	2	Ea	HP ML330 Intel Xenon, 2.8 GHz	2	Ea
HP Storageworks Dat 40	2	Ea	NEC 20.1 LCD 1200x1600 native resolution	2	Ea
RAM 2GB	2	Ea	SCADA WinCC Client	2	Ea
Windows 2000 Server, SP4	2	Ea			
<u>Graphic Workstation GSM</u>					
CD/DVD RW combo	2	Ea	EtherNet Adapter 10/100/1000 BaseT	2	Ea
HD 500 Gb, 10000 RPM eSATA	2	Ea	HP 7600 Series SFF, Intel dual core	2	Ea

<u>Subsystem:</u> Workstation			NEC 20.1 LCD 1200x1600 native resolution	1	Ea
RAM 2GB	2	Ea	SCADA GSM Client	2	Ea
Windows Vista, SP2	2	Ea			
<u>Unix WorkStation</u>					
NEC 20.1 LCD 1200x1600 native resolution	1	Ea	User interface (Native Unix)	1	Ea
<u>User WorkStation</u>					
CD-RW drive	3	Ea	HD 250 Gb, 10000 RPM eSATA	3	Ea
HP 7600 Series SFF, Intel dual core	3	Ea	NEC 20.1 LCD 1200x1600 native resolution	2	Ea
Ram 1GB	1	Ea	RAM 2GB	2	Ea
User Interface (IE)	1	Ea	User Interface (Putty)	3	Ea
Windows Office 2003	1	Ea	Windows XP, SP2	3	Ea
<u>Subsystem:</u> Hardware					
Graphic Workstation GSM	2	Ea	Graphics Workstation Client	2	Ea
Work Station Computer	3	Ea			
<u>Subsystem:</u> Video Wall					
1024 x 768 Cube Monitors	8	Ea	Christie DisplayMaster Graphics Output Module 4 port	2	Ea
Christie Mastersuite 3.1	1	Ea	Christie RGBMaster RGB input Module 2 port	1	Ea
HD 36GB, 7200 RPM Scsii	1	Ea	HP ML 370/G3	1	Ea
Windows XP, SP2	1	Ea			
<u>Module:</u> Server Room L6					
<u>Type:</u> Computer Systems					
<u>Subsystem:</u> BSM Gateway					
<u>Common</u>					
APC Keyboard/touchpad/combo	2	Ea	APC smart UPS 3000XL	4	Ea
APC UPS battery pack	4	Ea	Cisco switch, Catalyst 3560G 24+4 port 10/100/1000 BaseT	4	Ea
HP 17" LCD 1200x1600 native resolution	2	Ea	KVM switch, Avocent 1415 8 port	2	Ea
Patch panel 48 way	2	Ea	Rack 19" APC internal shelf	6	Ea
Rack 19" APC Netshelter 42U	3	Ea			
<u>Interface Workstation</u>					
ARINC Proprietary Application Interface Software	4	Ea	CD/DVD R combo	4	Ea
Cisco router/firewall, 2800 series	3	Ea	EtherNet Adapter 10/100/1000 BaseT	4	Ea
HD 80 Gb, 7200 RPM eSATA	4	Ea	HP D7800 SFF Pentium 3.4 GHz	4	Ea
RAM 1GB	4	Ea	Windows XP, SP2	4	Ea
<u>Remote Workstation</u>					
CD/DVD R combo	2	Ea	EtherNet Adapter 10/100/1000 BaseT	2	Ea
External Multitech Multimaster Modem	2	Ea	HD 80 Gb, 7200 RPM eSATA	2	Ea
HP D7800 SFF Pentium 3.4 GHz	2	Ea	Ram 1GB	2	Ea
Windows XP, SP2	2	Ea			
<u>Server</u>					
ARINC Proprietary Application Server Software	4	Ea	CD/DVD R combo	4	Ea
Dual EtherNet Adapter 10/100/1000 BaseT	4	Ea	Dual Power supplies	4	Ea
HD Raid 5 + spare, 146 Gb, 10k RPM SAS 2.5	4	Ea	HP DL380/G5 Dual Intel Xenon Quad-Core Processor	4	Ea
Raid Controller Smart Array P400/512	4	Ea	RAM 3.25 GB ECC	4	Ea

Server Room L6 - Computer Systems

<u>Subsystem:</u>	BSM Gateway		Windows 2003 Server R2, SP2	4	Ea
<u>Subsystem:</u>	Common				
Keyboard/touchpad/19" LCD combo	1	Ea	KVM switch 16 port primary	1	Ea
KVM switch 16 port slave	1	Ea	Rack 19" Encore 52U, glass front door	5	Ea
Rack 19" Encore Fan assembly	5	Ea			
<u>Subsystem:</u>	UUI				
CD-R drive	2	Ea	Dual EtherNet Adapter 10/100/1000 BaseT	1	Ea
Dual Power supplies	4	Ea	HD Raid 1, 36 Gb, 7200 RPM Scsii	4	Ea
NEC 5800 Fault-tolerant, Intel Xenon 2.4 GHz	1	Ea	RAID Controller 64 bit SCSIII	1	Ea
RAM 3GB	2	Ea	Siemens Proprietary UUI	1	Ea
Windows 2003 Server Enterprise, SP2	1	Ea			
<u>Subsystem:</u>	VPN Server				
AB RSLogix 5000 programming suite	1	Ea	CD-R drive	1	Ea
Dual EtherNet Adapter 10/100/1000 BaseT	1	Ea	Floppy 1.44 MB	1	Ea
HD RAID 1, 36GB, 15k RPM Scsii	2	Ea	HD Raid 5, 300 Gb, 10k RPM Scsii	2	Ea
HP ML370/G3 Dual IBM Intel Xenon, 2.8 GHz	1	Ea	Raid Controller Smart Array 6402	1	Ea
Ram 2GB	1	Ea	Siemens Step7 Programming suite	1	Ea
Windows XP, SP3	1	Ea			
<u>Subsystem:</u>	WebNav				
CD-R drive	1	Ea	Dual EtherNet Adapter 10/100/1000 BaseT	1	Ea
Dual Power supplies	4	Ea	HD Raid 1, 18 Gb, 7200 RPM Scsii	4	Ea
NEC 5800 Fault-tolerant, Intel Xenon 2.4 GHz	1	Ea	RAID Controller 64 bit SCSIII	1	Ea
RAM 2GB	1	Ea	SCADA WinCC Server, WebNav, Dbase SQL	1	Ea
Windows 2000 Adv Server, SP4	1	Ea			
<u>Subsystem:</u>	Workstation				
<u>User WorkStation</u>					
CD/DVD RW combo	2	Ea	EtherNet Adapter 10/100/1000 BaseT	2	Ea
HD 250 Gb, 10000 RPM eSATA	2	Ea	HD 500 Gb, 10000 RPM eSATA	1	Ea
HP 7600 Series SFF, Intel dual core	2	Ea	NEC 21" 1200x1600 native resolution	2	Ea
RAM 2GB	2	Ea	User Interface (Putty)	2	Ea
Windows XP, SP2	2	Ea			
<u>Subsystem:</u>	Graphics				
<u>FIS</u>					
CD-R drive	2	Ea	Dual EtherNet Adapter 10/100/1000 BaseT	1	Ea
Dual Power supplies	4	Ea	HD Raid 1, 18 Gb, 7200 RPM Scsii	4	Ea
NEC 5800 Fault-tolerant, Intel Xenon 2.4 GHz	1	Ea	RAID Controller 64 bit SCSIII	1	Ea
RAM 2GB	2	Ea	SCADA WinCC Server, Dbase SQL	1	Ea
Windows 2000 Adv Server, SP4	1	Ea			
<u>Mod 1E</u>					
CD-R drive	2	Ea	Dual EtherNet Adapter 10/100/1000 BaseT	1	Ea
Dual Power supplies	4	Ea	HD Raid 1, 18 Gb, 7200 RPM Scsii	4	Ea

<u>Subsystem:</u> Graphics					
			NEC 5800 Fault-tolerant, Intel Xenon 2.4 GHz	1	Ea
RAID Controller 64 bit SCSIII	1	Ea	RAM 2GB	2	Ea
SCADA WinCC Server, Dbase SQL	1	Ea	Windows 2000 Adv Server, SP4	1	Ea
<u>Mod 1W</u>					
CD-R drive	2	Ea	Dual EtherNet Adapter 10/100/1000 BaseT	1	Ea
Dual Power supplies	4	Ea	HD Raid 1, 18 Gb, 7200 RPM Scsii	4	Ea
NEC 5800 Fault-tolerant, Intel Xenon 2.4 GHz	1	Ea	RAID Controller 64 bit SCSIII	1	Ea
RAM 2GB	2	Ea	SCADA WinCC Server, Dbase SQL	1	Ea
Windows 2000 Adv Server, SP4	1	Ea			
<u>Mod 2E</u>					
CD-R drive	2	Ea	Dual EtherNet Adapter 10/100/1000 BaseT	1	Ea
Dual Power supplies	4	Ea	HD Raid 1, 18 Gb, 7200 RPM Scsii	4	Ea
NEC 5800 Fault-tolerant, Intel Xenon 2.4 GHz	1	Ea	RAID Controller 64 bit SCSIII	1	Ea
RAM 2GB	2	Ea	SCADA WinCC Server, Dbase SQL	1	Ea
Windows 2000 Adv Server, SP4	1	Ea			
<u>Mod 2W</u>					
CD-R drive	2	Ea	Dual EtherNet Adapter 10/100/1000 BaseT	1	Ea
Dual Power supplies	4	Ea	HD Raid 1, 18 Gb, 7200 RPM Scsii	4	Ea
NEC 5800 Fault-tolerant, Intel Xenon 2.4 GHz	1	Ea	RAID Controller 64 bit SCSIII	1	Ea
RAM 2GB	2	Ea	SCADA WinCC Server, Dbase SQL	1	Ea
Windows 2000 Adv Server, SP4	1	Ea			
<u>Mod 3W</u>					
CD-R drive	2	Ea	Dual EtherNet Adapter 10/100/1000 BaseT	1	Ea
Dual Power supplies	4	Ea	HD Raid 1, 18 Gb, 7200 RPM Scsii	4	Ea
NEC 5800 Fault-tolerant, Intel Xenon 2.4 GHz	1	Ea	RAID Controller 64 bit SCSIII	1	Ea
RAM 2GB	2	Ea	SCADA WinCC Server, Dbase SQL	1	Ea
Windows 2000 Adv Server, SP4	1	Ea			
<u>Subsystem:</u> Hardware					
UUI Server	1	Ea	VPN Server	1	Ea
WebNav Server	1	Ea	Work Station Computer	2	Ea
<u>FIS</u>					
APC smart UPS 2200XL	2	Ea	APC UPS battery pack	2	Ea
BSM Carrier Interface workstation	4	Ea	BSM Gateway Server	4	Ea
Graphics System Server	1	Ea	Sort Controller Server	2	Ea
<u>Mod 1E</u>					
APC smart UPS 2200XL	2	Ea	APC UPS battery pack	2	Ea
Graphics System Server	1	Ea	Sort Controller Server	2	Ea
<u>Mod 1W</u>					
APC smart UPS 2200XL	2	Ea	APC UPS battery pack	2	Ea
Graphics System Server	1	Ea	Sort Controller Server	2	Ea
<u>Mod 2E</u>					
APC smart UPS 2200XL	2	Ea	APC UPS battery pack	2	Ea
Graphics System Server	1	Ea	Sort Controller Server	2	Ea
<u>Mod 2W</u>					
APC smart UPS 2200XL	2	Ea	APC UPS battery pack	2	Ea
Graphics System Server	1	Ea	Sort Controller Server	2	Ea
<u>Mod 3E</u>					
APC smart UPS 2200XL	2	Ea	APC UPS battery pack	2	Ea
Graphics System Server	1	Ea	Sort Controller Server	2	Ea

<u>Subsystem:</u> Hardware					
APC UPS battery pack	2	Ea	APC smart UPS 2200XL	2	Ea
<u>Mod 3W</u>					
APC smart UPS 2200XL	2	Ea	Sort Controller Server	2	Ea
Graphics System Server	1	Ea	APC UPS battery pack	2	Ea
<u>Subsystem:</u> Network					
3Com 3800 Series 24 port	2	Ea	Sort Controller Server	2	Ea
<u>FIS</u>					
3Com 3800 Series 24 port	2	Ea	3Com XRN 5800 series 48 port	2	Ea
<u>Mod 1E</u>					
3Com 3800 Series 24 port	2	Ea	Versitron M7274S 10/100 BaseTX to BaseFX fiber converter	2	Ea
<u>Mod 1W</u>					
3Com 3800 Series 24 port	2	Ea	Versitron M7274S 10/100 BaseTX to BaseFX fiber converter	3	Ea
<u>Mod 2E</u>					
3Com 3800 Series 24 port	2	Ea	Versitron M7274S 10/100 BaseTX to BaseFX fiber converter	3	Ea
<u>Mod 2W</u>					
3Com 3800 Series 24 port	2	Ea	Versitron M7274S 10/100 BaseTX to BaseFX fiber converter	3	Ea
<u>Mod 3E</u>					
3Com 3800 Series 24 port	2	Ea	Versitron M7274S 10/100 BaseTX to BaseFX fiber converter	4	Ea
<u>Mod 3W</u>					
3Com 3800 Series 24 port	2	Ea	Rocket port 4Si	2	Ea
<u>Subsystem:</u> Sort Controller					
<u>FIS</u>					
CD-R drive	2	Ea	Versitron M7274S 10/100 BaseTX to BaseFX fiber converter	4	Ea
Dual EtherNet Adapter 10/100/1000 BaseT	2	Ea	Dbase Ctree Server	2	Ea
Floppy 1.44 MB	2	Ea	Dual Power supplies	2	Ea
HP DL380/G4 Dual Intel Xenon 3.4 GHz	2	Ea	HD Raid 5, 300 Gb, 10k RPM Scsii	2	Ea
Raid Controller Smart Array 6i	2	Ea	HP Storageworks Dat 40	2	Ea
SCO Unix 6.0	2	Ea	RAM 2GB ECC	2	Ea
<u>Mod 1E</u>					
CD-R drive	2	Ea	Siemens Proprietary Sort Controller	2	Ea
Dual EtherNet Adapter 10/100/1000 BaseT	2	Ea			
Floppy 1.44 MB	2	Ea	Dbase Ctree Server	2	Ea
HP DL380/G4 Dual Intel Xenon 3.4 GHz	2	Ea	Dual Power supplies	2	Ea
Raid Controller Smart Array 6i	1	Ea	HD Raid 5, 300 Gb, 10k RPM Scsii	2	Ea
SCO Unix 6.0	2	Ea	HP Storageworks Dat 40	2	Ea
<u>Mod 1W</u>					
CD-R drive	2	Ea	RAM 2GB ECC	2	Ea
Dual EtherNet Adapter 10/100/1000 BaseT	2	Ea	Siemens Proprietary Sort Controller	2	Ea
Floppy 1.44 MB	2	Ea			
HP DL380/G4 Dual Intel Xenon 3.4 GHz	2	Ea	Dbase Ctree Server	2	Ea
Raid Controller Smart Array 6i	2	Ea	Dual Power supplies	2	Ea
SCO Unix 6.0	2	Ea	HD Raid 5, 300 Gb, 10k RPM Scsii	2	Ea
			HP Storageworks Dat 40	2	Ea
			RAM 2GB ECC	2	Ea
			Siemens Proprietary Sort Controller	2	Ea

<u>Subsystem:</u> Sort Controller			<u>Mod 2E</u>		
CD-R drive	2	Ea	Dbase Ctree Server	2	Ea
Dual EtherNet Adapter 10/100/1000 BaseT	2	Ea	Dual Power supplies	4	Ea
Floppy 1.44 MB	2	Ea	HD Raid 5, 300 Gb, 10k RPM Scsii	2	Ea
HP DL380/G4 Dual Intel Xenon 3.4 GHz	2	Ea	HP Storageworks Dat 40	2	Ea
Raid Controller Smart Array 6i	2	Ea	RAM 2GB ECC	2	Ea
SCO Unix 6.0	2	Ea	Siemens Proprietary Sort Controller	2	Ea
<u>Mod 2W</u>			<u>Mod 2E</u>		
CD-R drive	2	Ea	Dbase Ctree Server	2	Ea
Dual EtherNet Adapter 10/100/1000 BaseT	2	Ea	Dual Power supplies	4	Ea
Floppy 1.44 MB	2	Ea	HD Raid 5, 300 Gb, 10k RPM Scsii	2	Ea
HP DL380/G4 Dual Intel Xenon 3.4 GHz	2	Ea	HP Storageworks Dat 40	2	Ea
Raid Controller Smart Array 6i	2	Ea	RAM 2GB ECC	2	Ea
SCO Unix 6.0	2	Ea	Siemens Proprietary Sort Controller	2	Ea
<u>Mod 3E</u>			<u>Mod 2E</u>		
CD-R drive	2	Ea	Dbase Ctree Server	2	Ea
Dual Power supplies	4	Ea	EtherNet Adapter 10/100/1000 BaseT	2	Ea
Floppy 1.44 MB	2	Ea	HD Raid 1 + Spare, 18 Gb, 15k RPM Scsii	2	Ea
HP ML370/G3 Dual IBM Intel Xenon, 2.8 GHz	2	Ea	HP Storageworks Dat 40	2	Ea
Raid Controller Smart Array 6402	2	Ea	RAM 1GB ECC	2	Ea
SCO Unix 5.0	2	Ea	Siemens Proprietary Sort Controller	2	Ea
<u>Mod 3W</u>			<u>Mod 2E</u>		
CD-R drive	2	Ea	Dbase Ctree Server	2	Ea
Dual EtherNet Adapter 10/100/1000 BaseT	2	Ea	Dual Power supplies	4	Ea
Floppy 1.44 MB	2	Ea	HD Raid 5, 300 Gb, 10k RPM Scsii	2	Ea
HP DL380/G4 Dual Intel Xenon 3.4 GHz	2	Ea	HP Storageworks Dat 40	2	Ea
Raid Controller Smart Array 6i	2	Ea	RAM 2GB ECC	2	Ea
SCO Unix 6.0	2	Ea	Siemens Proprietary Sort Controller	2	Ea

Module: CtlRm_ConBType: Computer Systems

<u>Subsystem:</u> User WorkStation					
SCADA WinCC Client	1	Ea	User Interface (Putty)	1	Ea
Work Station Computer	1	Ea			

END OF REPORT

ARINC BSM Gateway Support

Contract CE76006

EXHIBIT C

Connectivity to Baggage Handling System

Schedule of Values

Task 1	Design and install two gateways	\$ [REDACTED]
Task 2	3 additional carrier host connections	\$ [REDACTED]
Task 3	Supply 1-19" rack and 3 patch panels	\$ [REDACTED]
Task 4	Develop interface between DIA BHS and Baglink	\$ [REDACTED]
Task 5	Provide 2nd level support for 5 years.	<u>\$ 55,596.00</u>
Total contract value		\$ [REDACTED]

Renewed Annually

Expires 11/4/2012

CFE CONSULTING, INC.[®]
 1576 FENCORP DRIVE
 FENTON MO 63026

191528

INVOICE

PAGE 1

INVOICE DATE 10/01/2011

INVOICE NO 00018589

S DIA
 O ATTN: ACCOUNTS PAYABLE
 L DIA
 D 8500 PENA BLVD - ROOM 8870
 PO# 148711
 T DENVER CO 80249
 O

S
 H DENVER INTERNATIONAL AIRPORT
 I EAST TERMINAL
 P
 T
 O

TOTAL DUE 10253.28

Svc Period: October 1, 2011-September 30, 2012

CONTRACT NUMBER		ORDER NO	CSA#	DUE DATE		
148711-DIA		00001433		10/31/2011		
TERMS DESCRIPTION	CUSTOMER PO NUMBER	SHIP VIA				
NET 30 DAYS	PO 148711					
ITEM ID	QTY	UNIT OF MEASURE	ORDERED	SHIPPED	UNIT PRICE	EXTENSION
DIA Maintenance & Support on Servers	00	EA	1.0000	1.0000	10253.2800	10253.28
					Subtotal :	10253.28
TAXABLE	NONTAXABLE	FREIGHT	SALES TAX	MISC CHARGE	TOTAL	
.00	10253.28	.00	.00	.00	10253.28	

BT
[Signature]
 12/13/11

All charges are due and payable by the Due Date. Overdue balances will incur a finance charge of 1.5% per month.
 A 5% transaction fee will be added to all credit card payments.

Schedule of Services



Attachment to CHE Agreement: TBD

Date: 8/11/2011

Contract Start Date: TBD

Customer: Denver International Airport

Term: 1 Year - Non-Cancelable

Quote Expiration: 9/11/2011

CHE and End-User Customer Confidential for Internal Use

OEM	Type/Model	Serial #	SLA	Detailed Description	Qty.	Monthly Unit Price	Monthly Total Price	Location
HP	ML370	To Be Determined	7X24X4	2 x HP ML370 G3 Tower (Redundant Sort Controller Server)	2			Denver, Co.
				Dual processor Intel Xenon 2.8 GHz				
				1GB ECC RAM,				
				Dual power supply				
				RAID controller Smart Array 6402				
				RAID 1 + spare with 36GB 15k HD's				
				1000BaseT				
				CD-R				
				40GB DAT				
				1.44 floppy				
HP	ML370	To Be Determined	7X24X4	2 x HP ML370 G3 Tower (Redundant Graphics controller Client)	2			
				Single processor Intel Xenon 2.8 GHz				
				2GB ECC RAM,				
				Single power supply				
				eSATA controller				
				2 x 250 GB HD				
				1000BaseT				
				CD-R				
				40GB DAT				
				1.44 floppy				
HP	DL380	To Be Determined	7X24X4	16 x HP DL380 G4 Rack mount (Redundant Sort Controller Server)	16			
				Dual processor Intel Xenon 3.4 GHz				
				2GB ECC RAM				
				Dual power supply				
				RAID controller Smart Array 6i				
				RAID 5 with 300GB 10k HD's				
				Dual 1000BaseT				
				CD-R				
				40GB DAT1.44 floppy				
HP	DL380	To Be Determined	7X24X4	4 x HP DL380 G5 Rack mount (Redundant BSM Gateway Server)	4			
				Dual processor Intel Xenon Quad core				
				3.25 GB ECC RAM				
				Dual power supply				
				RAID Controller P400/512				
				RAID 5 + spare 146GB 10k HD's				
				Dual 1000BaseT				
				CD/DVD-R combo				
NEC	5800	To Be Determined	7X24X4	8 x NEC 5800 FT P4 Rack mount (High Availability Graphic Server)	8			
				Single processor Intel Xenon 2.4 GHz				
				2GB RAM				
				Dual p/s				
				RAID Controller 64 bit SCSIII				
				RAID 1 with 18GB 15k HD's				
				dual 1000BaseT				
				CD-R				
				Monthly Total				
				Annual total				

PLEASE NOTE: This proposal contains system configuration, pricing, and other business information that has been developed by CHE Consulting Inc. using proprietary methodologies designed to provide optimal solutions to your firm's business needs as you have expressed them to us. The information contained herein is therefore confidential in nature and is to be treated as your firm would treat it's own confidential information and not disclosed to any employee of your firm not having a need to know or anyone who is not an employee of your firm without our express written permission.

Quoted prices are exclusive of applicable taxes. Buyer is responsible for any taxes associated with this transaction as required by the applicable tax jurisdiction for this transaction. If Buyer is exempt from tax, then Buyer agrees to provide a valid sales tax exemption certificate prior to Seller ordering the equipment

NOTE: CHE may require up to one month notification prior to entitlement

10,253.28



FairCom®

QUOTE

Quote #: 110415abSDK
Quote Date: 4/15/11
Valid Through: 5/15/11
Customer ID: F82030

Bill To:
 Mr. Dave Rhodes
 City & County of Denver
 Denver International Airport
 AOB 7th Floor
 8500 Pena Blvd
 Denver CO 80249

Ship To:

Order Date	Purchase Order Number	Sales Rep.	Ship Via	Terms	Other
4/15/11		AB	N/A	Net Terms	

Item #	Description	Qty	Retail	Discount %	Unit Price	Total
1	c-treeACE Annual Maintenance Renewal – SN: 474120 ***Unlimited phone and e-mail support as well as product updates. Includes support for the c-treeACE Professional Database and ODBC licenses for a single developer	1	\$ 685.00		\$ 685.00	\$ 685.00
	Maintenance Period: 1 Year from date of order processing					

All totals are in USD

Subtotal	\$ 685.00
Tax	
Shipping	
Credit Issued	
Total	\$ 685.00

Payment accepted by MasterCard, Visa, American Express
 US\$ Bank Draft or Wire Transfer to:
 UMB Bank, Chapel Hill, Columbia MO
 ABA Number: 101000695
 Account Name: FairCom Corporation
 Account Number: 9870535882
 Swift Code: UMKSUS44

The entire balance is due by the invoice due date. Late Fees will be assessed monthly at a rate of 1.5%, which is an Annual Percentage Rate of 18%, on any unpaid balances.

When you use a check as payment, you authorize us to use the information from your check to make a one-time electronic fund transfer from your account. Funds may be withdrawn from your account as soon as the same day you make your payment, and you will not receive your check back from your financial institution.



Lewan & Associates
 1400 South Colorado Boulevard
 P. O. Box 22855
 Denver, Colorado 80222
 United States
 http://www.lewan.com

Quotation

Date Sep 20, 2010 12:24 PM MDT	Expiration Date Oct 20, 2010
Doc # 49715 - rev 1 of 1	
Description None	
SalesRep Kraus, Jeff (P) 303-968-2215 (F) 303-968-2416	
Customer Contact Evans, Peter (P) 303-885-4398 peter.evans@dia.net	

Customer
 DENVER-CENTRAL SVCS ADMIN (DS3696)
 201 W COLFAX AVE
 DEPT 1110
 DENVER, Colorado 80202

Bill To
 DENVER-CENTRAL SVCS ADMIN
 Accounts, Payable
 201 W COLFAX AVE
 DEPT 1110
 DENVER, Colorado 80202

Ship To
 DENVER-CENTRAL SVCS ADMIN
 Evans, Peter
 201 W COLFAX AVE
 DEPT 1110
 DENVER, Colorado 80202

Ship to acct #: <empty>
 Bill to acct #: <empty>

Customer PO:
None

Terms:
Unknown

Ship Via:
FedEx Ground

Special Instructions:
None

Carrier Account #:
None

Item Description	Qty	Unit Price	Total
License with 1 Year Support			
<u>Symantec Endpoint Protection Small Business Edition</u>			
1 (v. 12.0) - license + 1 Year Basic Maintenance - 1 user - GOV - Symantec Buying Programs : Government - level A (5-249) - Win	36		
Or			
<u>Symantec Endpoint Protection Small Business Edition</u>			
2 (v. 12.0) - license + 1 Year Essential Support - 1 user - GOV - Symantec Buying Programs : Government - level A (5-249) - Win	36		
License with 3 Years Support (promo)			
<u>Symantec Endpoint Protection Small Business Edition</u>			
3 (v. 12.0) - license + 3 Years Basic Maintenance - 1 user - GOV, promo - Symantec Buying Programs : Government - level A (5-249)	36		
Or			
<u>Symantec Endpoint Protection Small Business Edition</u>			
4 (v. 12.0) - license + 3 Years Essential Support - 1 user - GOV, promo - Symantec Buying Programs : Government - level A (5-249) - Win	36	\$42.00	\$1,512.00

With support you get version upgrades at no additional charge. If you want 2 years of support you just double the quantity. The 3 year promo is good till 12/31/2010. Basic maintenance is 8X5 and Essential is 24X7.

Subtotal: [REDACTED]
 Shipping: \$8.00
Total: [REDACTED]

This Quote is valid for 30 days unless otherwise stated. Please contact a Lewan & Associates' Sales Representative for questions or changes. Thank You for the opportunity to be of service! * DENVER* FORT COLLINS* COLORADO SPRINGS* BOULDER* SILVERTHORNE* CHEYENNE* GLENWOOD SPRINGS* PUEBLO

Prices indicated may not include applicable sales taxes, insurance, shipping, delivery or setup fees; actual charges will be calculated on your invoice. Orders are fulfilled in the order in which they are received; supply subject to availability. Without an RA (Return Authorization) number, products may not be returned. Returned product may be subject to a restocking charge. Please contact our Returns Department at 303-759-1545, extension 2296, for questions or to initiate a return.



GOVERNMENT

Sales Order #: 17538055

Issue Date: 30-SEP-10
Symantec Agreement (SAN) #: D7Q4KYGOV
Customer Reference:
 Disti / Cust PO: 20-P1-686184
 EndUser: CC-133566/JENNIFER
 Resell: P412950
Certificate #: 10246211

Issued To:
 DENVER
 8500 PENA BOULEVARD
 SUITE 3004
 DENVER, CO 80249
 UNITED STATES
Customer Number: 59515454

Contract Owner:
 DENVER
 8500 PENA BOULEVARD
 SUITE 3004
 DENVER, CO 80249
 UNITED STATES
Customer Number: 59515454

IMPORTANT: If your purchase requires a license key and it is not printed or referenced on this certificate, you must register the related Serial Number on the Symantec Licensing Portal to receive your key. Go to <https://licensing.symantec.com> to register your software and obtain license keys

Serial Number	Product Name/Description	Quantity	Part #	RTSM ID / Support ID	Maintenance/Subscription Start Date	End Date
M2667726083	SYMC ENDPOINT PROTECTION SMALL BUSINESS EDITION 12.0 PER USER BNDL PROMO STD LIC ESSENTIAL 36 MONTHS GOV BAND A SYMC ENDPOINT PROTECTION SMALL BUSINESS EDITION 12.0 PROMO I/O ESSENTIAL 36 MONTHS License File(s): 17455470.sif	36	20053580	4000-5014-0423-4427	30-SEP-10	29-SEP-13

For ease of managing your support renewal, please retain this certificate which holds valuable reference information for your renewal transaction inclusive of your Symantec Agreement Number (SAN).

These commodities, technology or software were licensed in accordance with the US Department of Commerce, Export Administration Regulations. Diversion contrary to U.S. law is prohibited. No Physical or computational access by nationals of tier 4 countries (Cuba, Iran, N. Korea, Sudan, Syria) is permitted.



GOVERNMENT

Page: 2 of 4

Sales Order #: 17538055

Licensing Portal Help Tutorials: <https://licensing.symantec.com/acctmgmt/home/Jump.jsp>
These two-minute videos explain how to get license keys for new purchases and version upgrades.

Global Enterprise Customer Care URL: <http://go.symantec.com/callcustomercare>
Contact Customer Care for non-technical licensing-related questions.

Technical Support URL: <http://www.symantec.com/enterprise/support/index.jsp>
Contact Technical Support for technical product-related questions

Software Download URL: <https://fileconnect.symantec.com>
You will need a Serial Number related to your product for access.

Symantec URL: <http://www.symantec.com>
Learn more about Symantec products and services.

Symantec Licensing Program URL: <http://www.symantec.com/business/products/licensing/index.jsp>
Learn more about the benefits of the Buying Program you are participating in.

Symantec Education Voucher Redemption URL: <http://www.symantec.com/business/training/evoucher/>
To access your Education purchase click on the Education Voucher Redemption URL link above, and using the serial number on the face of this certificate, complete the Voucher registration process, then follow the instructions to begin your training.

Managed Security Services Client Services Team: clientservices@monitoredsecurity.com
For Managed Security Services related questions, please contact the Client Services Team.



GOVERNMENT

Sales Order #: 17538055

Amendment To Symantec End User License Agreement

This document, including any attachments, referenced terms, and the information provided on the face of this document (collectively, this "Certificate") is a legal agreement between the end user named on the face of this Certificate (the "Licensee"), and Symantec Corporation and/or its subsidiaries ("Symantec"). This Certificate amends the Symantec end user license agreement (also known as the "EULA") contained in the original physical media pack(s) of and/or included in the Symantec software product(s) listed on the face of this Certificate (the "Software"). Accordingly, this Certificate and the rights granted herein are only effective as to end-users who have received electronic access to or physical media of the Software listed on the face of this Certificate, and who have agreed to the terms of the EULA contained in such Software and/or its media pack. Please read this Certificate. By loading the software, or by using or making copies of the Software, Licensee indicates its consent to the terms and conditions set forth below.

IF LICENSEE DOES NOT AGREE TO THESE TERMS, THEN SYMANTEC IS UNWILLING TO LICENSE THE SOFTWARE TO LICENSEE. EXCEPT AS OTHERWISE EXPRESSLY SET FORTH IN THIS CERTIFICATE, ALL PROVISIONS OF THE EULA WILL BE APPLICABLE FOR ALL RIGHTS GRANTED UNDER THIS CERTIFICATE. ANY RIGHT TO RETURN THE SOFTWARE AND ANY RIGHT TO USE THE SOFTWARE ON HOME COMPUTERS THAT MAY BE CONTAINED IN THE EULA SHALL NOT APPLY TO THE RIGHTS GRANTED UNDER THIS CERTIFICATE.

- 1. GRANT OF LICENSE.** Symantec grants to Licensee a nonexclusive, nontransferable license to make copies of and use the quantity of each title of the Software and the related user documentation as are set forth opposite the name of such title on the face of this Certificate, under the terms and conditions of the EULA, solely for Licensee's own internal business purposes, within the country in which the Licensee is located as indicated by the Licensee's address set forth on the face of this Certificate. In order to be authorized under this Certificate to make copies of and use the Software, Licensee must be an authorized state, local, federal or equivalent governmental agency (excluding academic institutions), as defined by Symantec in its sole discretion. If Licensee purchases a Software license designated for Home Use, where available, then the above license grant is modified to add the following: Licensee's employee or consultant to use one copy of such Home Use Software only on their personal home computer, provided such equipment is not owned or provided by Licensee, and provided Licensee has also purchased a license for such product for such individual's computer at Licensee's administrative offices. Further, such Home Use is permitted only for so long as such individual remains Licensee's employee or consultant. Consultants are only permitted to use Licensee's Home Use licenses for the benefit of Licensee. The number of Home Use copies made and used cannot exceed the number of Home Use licenses purchased. Please see the additional terms and benefits set forth in the then-current Symantec Government Buying Program, as defined by Symantec in Symantec's sole discretion. Such Program Guide is available on the Symantec Buying Program area of www.symantec.com and is incorporated by this reference.
- 2. SOFTWARE COPIES.** Licensee may make copies of the Software authorized under Section 1 of this Certificate, in object code form only, from the copy of the Software and user documentation contained in the original media for the Software obtained from Licensee's authorized reseller. An auditor, selected by Symantec and reasonably acceptable to Licensee, may, upon reasonable notice and during normal business hours, but not more often than once each year, inspect Licensee's records and deployment in order to confirm Licensee's use of the Software complies with this Certificate. Symantec shall bear the costs of any such audit, except where the audit demonstrates that the MSRP value of Licensee's non-compliant usage exceeds five percent (5%) of the MSRP value of Licensee's compliant deployments. In such case, in addition to purchasing appropriate licenses for any overdeployed Software licenses, Licensee shall reimburse Symantec for the auditor's reasonable actual fees for such audit.
- 3. UPGRADES AND CROSS-GRADES.** For certain Software, Symantec reserves the right to require that any upgrades (if any) of the Software may only be obtained in a quantity equal to the number indicated on the face of this Certificate. An upgrade to an existing license shall not be deemed to increase the number of licenses which Licensee is authorized to use. Additionally, if Licensee upgrades a Software license, or purchases any of the Software licenses listed on the face of this Certificate to cross-grade an existing license (i.e. to increase its functionality, and/or transfer it to a new operating system, hardware tier or licensing meter) then Symantec issues this Certificate based on the understanding that Licensee agrees to cease using the original license. Any such license upgrade or cross-grade is provided under Symantec's policies in effect at the time of order. This Certificate does not separately license Licensee for additional licenses beyond those which Licensee has purchased, and which have been authorized by Symantec.
- 4. CONTENT UPDATES.** Certain Software uses content that is updated from time to time, including but not limited to: updated anti-spyware definitions for anti-spyware products; updated intrusion-detection data for intrusion detection products; updated lists of authenticated web pages for website authentication products; updated policy compliance rules for policy compliance products; and updated vulnerability signatures for vulnerability assessment products. These updates are collectively referred to as "Content Updates". If Licensee subscribes to a Symantec maintenance/support offering consisting of or including Content Updates, as separately described in the Symantec certificate for such subscription (the "Support Certificate"), Licensee is granted the right to use, as part of the Software, the Content Updates included in such subscription to the extent they become generally available to Symantec's end user customers as part of such subscription, for any period for which Licensee has purchased the appropriate maintenance/support, as indicated on the face of such Support Certificate. This Certificate does not otherwise permit Licensee to obtain and use Content Updates.
- 5. MAINTENANCE/SUPPORT.** If Licensee subscribes to a Symantec maintenance/support offering, such subscription will be as described in the Support Certificate, delivered in accordance with Symantec's then-current standard policies and terms. Symantec reserves the right to update the purchase of minimum Symantec-designated levels of maintenance/support with the purchase certain Symantec product offerings.
- 6. ENTIRE AGREEMENT.** This Certificate and the EULA constitute the entire agreement between the parties pertaining to the subject matter hereof, and supersedes any and all written or oral agreements with respect to such subject matter.

These commodities, technology or software were licensed in accordance with the US Department of Commerce, Export Administration Regulations. Diversion contrary to U.S. law is prohibited. No Physical or computational access by nationals of tier 4 countries (Cuba, Iran, N. Korea, Sudan, Syria) is permitted.



SUPPORT

Page: 4 of 4

Sales Order #: 17538055

Symantec Enterprise Technical Support

This document (the "Certificate") is a legal agreement between the end user (the "Licensee") named on the face of this certificate and Symantec Corporation and/or its subsidiaries ("Symantec"). This Certificate and the rights granted herein are only effective as to end users who have a valid license pursuant to a Symantec license agreement (the "License Agreement") for the underlying Symantec software product(s) (the "Software") for which this support will be provided. Please read this Certificate.

IF LICENSEE DOES NOT AGREE TO THESE TERMS, THEN SYMANTEC IS UNABLE TO PROVIDE SUPPORT FOR THE SOFTWARE TO LICENSEE. RECEIPT OF SUPPORT INDICATES LICENSEE'S AGREEMENT TO THESE TERMS.

Support Offerings: Commencing on the issue date set forth on the face of this Certificate, Symantec will provide to Licensee the support service(s) listed on the face of this Certificate, within the Symantec region in which the Software is licensed for use as indicated in the License Agreement. Support services are provided under the terms and conditions listed below, until the end date set forth on the face of the Certificate.

1. Essential Support.

1) Access to technical support provided by telephone on a 24x7 basis; 2) Continuous Efforts Problem Resolution Engineering (available upon request for Severity 1 Cases only); 3) Access to the Symantec technical support website; 4) Delivery of bug fixes and patches; 5) Essential Support includes Content Updates, if applicable, and Upgrade Assurance(s); 6) Licensee may designate up to six (6) individuals per title of Software for Essential Support to act as liaisons with Symantec Technical Services staff ("Designated Contacts").

2. Basic Maintenance.

1) Access to technical support provided by telephone from 8 a.m. to 6 p.m., during the normal business week of, and in accordance with statutory holidays of, the country where the Software is installed; 2) Access to the Symantec technical support website; 3) Delivery of bug fixes and patches; 4) Basic Maintenance includes Content Updates, if applicable, and Upgrade Assurance; 5) Licensee may designate up to two (2) individuals per title of Software for Basic Maintenance to act as Designated Contacts as defined above.

Definitions:

• **Content Updates:** Content Updates as used in this Certificate refer to content used by Software that is updated from time to time, including but not limited to: updated anti-spam definitions for anti-spam software; updated antivirus definitions for antivirus and crimeware products; updated URL lists for content filtering and antiphishing products; updated firewall rules for firewall products; updated vulnerability signatures for vulnerability assessment products; updated policy compliance updates for policy compliance software; updated lists of authenticated web pages for web site authentication software; and updated intrusion detection data for intrusion detection products, (if applicable). Content Updates means the right to use Content Updates to the Software as they become generally available to Symantec's end user customers except for those Content Updates that are only available through purchase of a Content Updates Subscription. Symantec reserves the right to designate specified Content Updates as requiring purchase of a Content Updates Subscription at any time and without notice to Licensee; provided, however, that if Licensee purchases support hereunder that includes particular Content Updates on the issue date set forth on the face of this Certificate, Licensee will not have to pay an additional fee to continue receiving such Content Updates through the end date set forth on the face of this Certificate, even if Symantec designates such Content Updates as requiring a Content Updates Subscription.

• **Content Updates Subscription:** The right to use those Content Updates that Symantec elects to make available by separate paid subscription. If Licensee has purchased Content Updates Subscription(s), the number set forth on the face of this Certificate opposite the description of such subscription reflects the quantity of such subscription purchased by Licensee.

• **Upgrade Assurance:** The right to use upgrades to the Software as they become generally available to Symantec's end user customers. An upgrade is any version of the Software which has been released to the public and which replaces the prior version of the Software on Symantec's price list. All such upgraded Software is licensed to Licensee for use subject to all terms and conditions, including without limitation disclaimer of warranties and limitation of liabilities, of the License Agreement. Nothing in this Certificate shall be construed as separately licensing copies of the Software or increasing the number of copies of Software licensed to Licensee.

Terms and Conditions:

• **Support Policies:** The support service(s) will be provided in accordance with Symantec's Enterprise Technical Support Policy and other support policies which may be revised and updated by Symantec from time to time without notice to Licensee. Please refer to www.symantec.com/enterprise/support/support_policies.jsp for copies of such policies. Under Symantec's Enterprise Technical Support Policy, support services may be discontinued for certain Software or a particular version of Software prior to the end date set forth on the face of this Certificate.

• **Geographic Availability:** Not all of the support services listed above are available in all countries or locations or for all Symantec software products.

• **Scope of Support:** Licensee's technical assistance may be limited to error correction resolution in certain Software if Licensee has not installed and implemented all licenses for such Software in accordance with the directions for installation provided by Symantec. Please refer to <http://www.symantec.com/enterprise/products/index.jsp> for additional information on services offered by Symantec to assist you in proper installation and implementation of Software. Technical support will not include activities that would be typically made generally available and characterized by Symantec as product training, consulting involving integration, security solutions enablement, security or implementation services, managed security or implementation services or the like, which are offered separately as noted below.

• **Additional Designated Contacts:** Licensee may add additional Designated Contact(s) for either Essential Support or Basic Maintenance by paying the applicable fee in effect at the time Licensee seeks to add the additional Designated Contact(s). If Licensee has purchased the right to designate additional Designated Contacts, the number set forth on the face of this Certificate reflects the number of additional Designated Licensee Designated Contacts who may receive technical support on Licensee's behalf with the same rights and for the same term as the primary contacts for either Essential Support or Basic Maintenance.

• **Acknowledgement of Use of Personal Data:** Licensee recognizes that Symantec will require Licensee to supply certain personal data (such as business contact names, business telephone numbers, business e-mail addresses), in order for Symantec to provide Support and to keep Licensee apprised of support and product updates. Licensee acknowledges that Symantec is a global organization, and such personal data may be accessible on a global basis to enable Symantec to provide Licensee Support. By providing such personal data, Licensee consents to Symantec using, transferring and processing this personal data on a global basis for the purposes described above.

• **Support Services Warranty:** Symantec warrants, for a period of thirty (30) days from the date of performance of support services under this Certificate, that such support services will be performed in a manner consistent with generally accepted industry standards. For support services not performed as warranted in this provision, and provided Licensee has reported such non-conformance to Symantec within thirty (30) days of performance of such non-conforming support services, Symantec will, at its discretion, either correct any nonconforming support services or refund the relevant fees paid for the nonconforming support services.

THIS IS LICENSEE'S EXCLUSIVE REMEDY AND SYMANTEC'S SOLE LIABILITY ARISING IN CONNECTION WITH THE SUPPORT SERVICES WARRANTY DESCRIBED IN THIS SECTION.

DISCLAIMER OF DAMAGES: TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW AND REGARDLESS OF WHETHER ANY REMEDY SET FORTH HEREIN FAILS OF ITS ESSENTIAL PURPOSE, IN NO EVENT WILL SYMANTEC BE LIABLE TO YOU FOR (I) ANY COSTS OF PROCUREMENT OF SUBSTITUTE OR REPLACEMENT GOODS AND SERVICES, LOSS OF PROFITS, LOSS OF OR CORRUPTION TO DATA, BUSINESS INTERRUPTION, LOSS OF REVENUES, LOSS OF CONTRACTS, LOSS OF GOODWILL, OR ANTICIPATED SAVINGS OR WASTED MANAGEMENT AND STAFF TIME; OR (II) ANY SPECIAL, CONSEQUENTIAL, INCIDENTAL OR INDIRECT DAMAGES, WHETHER ARISING DIRECTLY OR INDIRECTLY OUT OF THE PROVISION OF SUPPORT SERVICE(S), EVEN IF THE PARTY, ITS RESELLERS, SUPPLIERS OR ITS AGENTS HAS BEEN TOLD SUCH DAMAGES MIGHT OCCUR. IN NO CASE SHALL SYMANTEC'S LIABILITY EXCEED THE PURCHASE PRICE FOR THE SUPPORT SERVICE(S). NOTHING IN THIS CERTIFICATE SHALL EXCLUDE OR LIMIT SYMANTEC'S LIABILITY FOR ANY LIABILITY WHICH CANNOT BE EXCLUDED OR LIMITED BY LAW.

INTEGRATION: This Certificate, as supplemented by any relevant terms in the License Agreement not otherwise defined herein, constitutes the entire agreement between the parties pertaining to the subject matter hereof, and, except as otherwise agreed upon in writing by the parties, supersedes any and all prior written or oral agreement with respect to such subject matter.

These commodities, technology or software were licensed in accordance with the US Department of Commerce, Export Administration Regulations. Diversion contrary to U.S. law is prohibited. No Physical or computational access by nationals of tier 4 countries (Cuba, Iran, N. Korea, Sudan, Syria) is permitted.

APPENDIX E: REPORT SAMPLES

Contract 201204994

Table of Contents

AS REQUIRED REPORTS.....	1
Accident Report.	1
Event Report.	3
O&M Plan Change Report.....	4
Planned Absence of Key Personnel Notification.....	5
Failure to follow SWPP or better Industry Practice.	6
Unscreened Baggage Report.....	9
Interim Inspection Report.....	11
Additional Employment Report.	13
Failure effecting Operations.	14
Impact Protection Damage Report.	16
Stranded Bag Solution.....	19
Adjustment to Maintenance Schedule	20
Unscheduled Corrective Action	21
Emergency BHS Modification	23
Request for BHS Modification.....	25
Interim Inspection and BHS Modification Report.....	27
Daily Reports.....	29
System Operation	29
Weekly reports.....	32
System Operation Summary	32
Monthly Report.....	35
Replacement Parts Purchasing	35
Equipment rebuilt/refurbished.....	41
Spare Parts Budget Performance Summary	42
Manpower Usage Summary.....	43
System Performance Report.....	44

Spare Parts Exception Summary	46
Inspection Deficiency Status	48
Training Status	49
MTTR Compliance	50
Inspection Audit	51
Monthly Invoice	52
Quarterly Reports	53
Updated Spare Parts Budget Projections.....	53
Manpower Analysis.....	55
Equipment Repair/Cost Analysis.....	56
End of Useful Life	57
Bi-Annual Reports	58
Spare Parts Inventory and Reconciliation Report.....	58
Training Compliance Report	59
Annual reports	60
Next Year Budget Projection report.....	60
System Performance Report	62
Equipment Repair Status/Cost Analysis Report.....	64
Safety Audit Report.....	65
Staffing Schedule.	66

AS REQUIRED REPORTS

BHS O&M

Accident Report.

Reference § TS-16.8.1
Date of notification 06/04/2011

- Local treatment Hospitalization Permanent Injury DEATH
 Personal Injury Vehicle Other

Date 06/11/2011
Injured party John Doe
Time Off 2 Days

Follow up required

- Yes No

Injury cause

Employee was carrying materials and failed to notice yellow marked change in elevation adjacent to BHS Conveyor 3EML1-01. Employee lost balance and fell down.

Injury description

Superficial cuts to left hand, minor sprain to left ankle, some visible swelling. Employee was seen by first aid certified employee. Employee elected NOT to visit doctor. Employee given 2 days paid leave to recuperate.

Corrective action required

All employees were given additional safety training to ensure that they were aware of marked and/or unmarked hazards in the area being worked. Employees were specifically discouraged from carrying loads that hindered visibility.

Keep with next page

CCD use only Do Not Write Below This Line

Date Approved _____

Approving person _____

Comment

END OF REPORT

BHS O&M

Event Report.

Reference §TS-16.8.2

Follow CCD standard report format

END OF REPORT

BHS O&M

O&M Plan Change Report.

Reference § TS-16.8.3

Date of notification 06/04/2011

Date 06/11/2011

Last Change Date 02/10/2011

Effective Change Date 06/08/2011

Attach old procedure (identify procedure as no longer effective on all pages).

Attach new procedure (easily identify changes).

BHS O&M

Planned Absence of Key Personnel Notification.

Reference § TS-16.8.5

Date of notification 06/04/2011

Site Manager Office Manager Supervisor

Date starting 06/20/2011

Date Ending 07/01/2011

Reason for assignment of replacement person

Staff member sustained a personal injury requiring hospitalization. Staff member anticipated
back to work no later than 7/5/2011.

Detail the replacement person assigned by the Contractor.

Replacement person John Doe

Contact Phone number 303-342-0000

CCD use only Do Not Write Below This Line

Date Approved _____

Approving person _____

Comment

END OF REPORT

BHS O&M

Failure to follow SWPP or better Industry Practice.

Reference § TS-16.8.6

Date of notification 06/04/2011

Resolved Work in Progress Follow up

Date Starting 6/02/2011

Date Ending 6/04/2011

Follow up 6/10/2011

Description of event and action taken

Employee failed to follow SWPP in replacement of merge belt during routine adjustment
6/02/2011. Merge belt failed during operations 6/03/2011 shortly after 17:50. Supervisor
inspected and found that the merge belt had been wrapped incorrectly. New merge belt was
installed, supervisor inspected remedial work and confirmed proper installation.
Conveyor line was down from 18:10 until 20:15. Minor impact to operations during busy period
19:00 to 19:30. Supervisor confirmed with TSA and Carrier that impact did not effect
screening or delivery of bags to make-up. Confirmed with Carrier no delayed/late bags.

Remedial action

Employee has been re-trained on the correct SWPP 6/4/2011. Additional retraining is scheduled
for the employee 6/10/2011.
A follow up inspection is planned for night shift 06/04/2011 and 06/10/2011

Keep with next page

Material costs	<u>\$ 1,994.84</u>	Spare parts inventory attached
Remedial Labor	<u>4.5 hr</u>	
Follow up	<u>1.0 hr</u>	
Other (define)	<u>4.0 hr</u>	<u>Training</u>

Note: Attach supporting CMSS Maintenance report identifying material costs.

CCD use only Do Not Write Below This Line

Date received _____
 Receiving person _____
Comment _____

END OF REPORT

Denver International Airport
 Baggage Handling System
 CMMS Maintenance Report

Module 1E
 Conveyor 2WML1-01
 Date 6/3/2011

Item code	Description	Qty	Cost	Ext cost
A1072	45 degree merge belt	1	1,943.50	1,943.50
C441	Merge cold bond kit	1	51.34	51.34
Total Cost				1,994.84

BHS O&M

Unscreened Baggage Report.

Reference § TS-16.8.7

Date of notification 06/04/2011

Resolved Further testing required Failed

Event Started _____

Event Finish _____

Module _____

Quantity _____

Persons Notified.

Reason for failure to screen bags¹

Action taken by Contractor to resolve problem

Changes to operations and/or Maintenance Procedures

¹ Attach sketch as necessary
Scope of Services; Contract No. 201204994
BHS Operation & Maintenance Service Agreement

Keep with next page

Changes to BHS operation

CCD use only Do Not Write Below This Line

Date received _____
Receiving person _____
Follow up person _____ Date sent _____
Comment

END OF REPORT

BHS O&M

Interim Inspection Report.

Reference § TS-16.8.8

Date of notification 06/04/2011

Date /Time of inspection 06/11/2011 @ 11:00

Type Functional inspection

Work done

Installed replacement wrap spring clutch in HSD supplied by Warner.

Abnormal unacceptable unexpected results

None

Improvements Identified

None at this stage

Bags processed during inspection period

Unit performed 82,015 cycles since last inspection, 456,780 cycles in Total.

Faults observed during inspection period

None

Keep with next page

Punch items corrected

Adjusted solenoid to operate smoothly.

END OF REPORT

BHS O&M

Additional Employment Report.

Reference § TS-16.8.9

Date of notification 06/04/2011

Employee John doe

Employment description

John operates an electronic repair business in his spare time from his personal residence.

Reason for additional employment.

John has operated the business on part time basis for more than 15 years in an effort to maintain his skills in fault finding and repair of electronic equipment

CCD use only Do Not Write Below This Line

Date received _____

Receiving person _____

Comment _____

END OF REPORT

BHS O&M

Failure effecting Operations.

Reference § TS-16.8.10

Date of notification 06/04/2011

Start Date/Time of incident 6/11/2011 11:05

End Date/Time of incident 6/11/2011 12:18

Duration 1h13m

Delayed flights 2

Missed bags 16

Affected Carriers/Airlines

Delta _____

Delta _____

Delta _____

Equipment Failure

Conveyor 2EML1-21 resulted in damaged lacing from backpack with straps that became caught in diverter. Lacing was torn from belt and wound around drive roller until SE fault was detected

Remedial action taken

Additional baggage hygiene training will be completed for Delta ticketing agents.

Keep with next page

CCD use only Do Not Write Below This Line

Date received _____

Receiving person _____

Comment

END OF REPORT

Note: Attach supporting CMSS Maintenance report identifying material costs.

CCD use only Do Not Write Below This Line

Date received _____
Receiving person _____
Follow up person _____ Date sent _____

Comment

END OF REPORT

Denver International Airport
 Baggage Handling System
 CMMS Maintenance Report

Module 3E
 Conveyor TO3
 Date 6/4/2011

Item code	Description	Qty	Cost	Ext cost
IM2004	6' Impact protection	1	412.46	412.46
MISC	Welding rods	4	4.25	17.00
R1117	OS IB Roller	3	600.13	1800.39
B104B	Bearings	6	14.21	85.26
Total Cost			<u>2,315.11</u>	

BHS O&M Report

Adjustment to Maintenance Schedule

Reference § TS-16.8.13
Month MAY 2011
Date of report 06/04/2011

Change to Schedule

Item	New Schedule	Effective
<u>Cleaning all MCP and VFD box filters</u>	<u>Weekly</u>	<u>5/28/2011</u>

Improvements

Reduction in particles entering MCP and VFD boxes.

As expected Needs follow up

Change to Schedule

Item	New Schedule	Effective
<u>Replace VFD filters</u>	<u>Every Quarter</u>	<u>5/28/2011</u>

Improvements

Reduction in particles entering VFD boxes.

As expected Needs follow up

Note: Attach new updated procedure

CCD use only Do Not Write Below This Line

Date received _____

Receiving person _____

Follow up person _____ Date sent _____

Comment

END OF REPORT

BHS O&M Report

Unscheduled Corrective Action

Reference § 16.8.14
 Month MAY 2011
 Date of report 06/04/2011

<u>Item</u>	<u>Reported</u>	<u>Completed by</u>
1WSL1-11 Clutch/brake not operating correctly	06/04/2011	06/04/2011

Fault/actions taken.

Inspection identified that the brake was slow to engage causing bags to overrun onto the downstream conveyor.
 Bags would be lost at 1WSL1-11 and recovered at 1WSL-12. Replacing the rectifier resolved the problem, the
 brake engages rapidly and all bags stop on 1WSL1-11 when required.

Impact to stake holders.

Bags which became lost would be routed to CBRA as lost bags causing additional work for TSA.

Replacement parts

<u>Item</u>	<u>Qty</u>	<u>Cost</u>
C/B rectifier	1	104.12
	Sub total	104.12

Manpower usage

<u>Who</u>	<u>Work done</u>	<u>Man hours</u>
Machinery Maint Mechanic	Fault finding, replace faulty equipment, testing.	1.5
Supervisor,	Testing, verification	0.5
	Total	1.5

Note: Attach maintenance schedule.
 Attach daily inspection sheets for past 7 days.

Keep with next page

CCD use only Do Not Write Below This Line

Date received _____

Receiving person _____

Follow up person _____

Date sent _____

Comment

END OF REPORT

BHS O&M Report

Emergency BHS Modification

Reference § TS-16.8.15
 Month MAY 2011
 Date of report 06/04/2011

Item

Hazard strips

Work completed.

Yellow safety striping was added to a section of the 1W L4 mezzanine to improve visibility of changes in floor Levels.

Reason for work.

An accident occurred 06/03/2011 where a third party tripped moving from one are to another on L4 of the 1W mezzanine

Replacement parts

<u>Item</u>	<u>Qty</u>	<u>Cost</u>
Yellow safety paint	¼ gallon	14.25
Brush cleaning fluid	¼ gallon	8.10
	Sub total	22.35

Manpower usage

<u>Who</u>	<u>Work done</u>	<u>Man hours</u>	<u>Cost</u>
Machinery Maint Mechanic	Painting	3.5	0.00
Supervisor,	Supervision	0.5	0.00
	Total	4.0	0.00

Keep with next page

CCD use only Do Not Write Below This Line

Date received _____

Receiving person _____

Follow up person _____

Date sent _____

Comment

END OF REPORT

BHS O&M Report

Request for BHS Modification

Reference § TS-16.8.16
Month MAY 2011
Date of report 06/04/2011

Identified problem.

Bags tumble at the junction between 1WMU1EN-26 and 1WMU1EN-27. Occasionally this is the last bag of operations, the line times out and the bag is not delivered to the MU device until operations start the following morning and a bag catches it.

Work to do.

Relocate the existing photocell on 1WMU1EN-26 so that it detects bags tumbling, generate a jam and reports a fault to operations to investigate.

Time schedule.

Work can be done during non-operational hours, anticipated time less than 2 hours for 2 men (total 4 man hrs)
Similar locations have been identified in 1E and 2E, each requiring 2 hour each (total 8 man hours).

Replacement parts

<u>Item</u>	<u>Qty</u>	<u>Cost</u>
None	0	0.00
	Sub total	0.00

Manpower usage

<u>Who</u>	<u>Work done</u>	<u>Man hours</u>	<u>Cost</u>
Machinery Maint Mechanic	Relocate	12.0	0.00
Supervisor	Testing, evaluation	1.5	0.00
	Total	13.5	0.00

Attach: Rollback plan
Detailed schedule of work
Detailed follow up schedule

Keep with next page

CCD use only Do Not Write Below This Line

Date received _____

Receiving person _____

Follow up person _____ Date sent _____

Comment

Authorized to Proceed Requires more supporting information (see comment) Not authorized to proceed

Authorizing person PRINT NAME SIGNATURE

END OF REPORT

BHS O&M Report

Interim Inspection and BHS Modification Report

Reference § TS-16.8.17
 Month MAY 2011
 Date of report 06/04/2011

Date of inspection 05/20/2011
 Location 1WMU1EN-26
 Type of inspection Verify operation

Identified a bag tumbling, bag jam detected.

Unexpected results/Faults observed.
 None

Improvements identified.
 New location detects tumbling bags, avoid late delivery to MU.

<u>Bags processed</u>	
<u>Type</u>	<u>Quantity</u>
Customer bags	<u>> 250</u>
Test bags	_____
Other	_____

<u>Punch items.</u>	
<u>Item</u>	<u>Completed</u>
<u>Bracket loose, retightened</u>	<u>05/20/2011</u>
_____	_____
_____	_____
_____	_____

Keep with next page

CCD use only Do Not Write Below This Line

Date received _____

Receiving person _____

Follow up person _____

Date sent _____

Comment

END OF REPORT

DAILY REPORTS

BHS O&M Daily Report

System Operation

Reference § TS-16.2.2

Date of report 06/04/2011

MODULE 3E

Bags processed

Total bags	CBRA	CBRA %
<u>6300</u>	<u>630</u>	<u>10.0%</u>

MU2		MU3		MU4		MU5		Runout	
<u>4200</u>	<u>66.6%</u>	<u>1261</u>	<u>20.0%</u>	<u>300</u>	<u>4.8%</u>	<u>470</u>	<u>7.5%</u>	<u>69</u>	<u>1.10%</u>

ATR read rate

	USS2	USS3	USS4	USS5	USOUT	LSIN	LSOUT	ML
Total	<u>1014</u>	<u>1117</u>	<u>1165</u>	<u>0</u>	<u>6390</u>	<u>4390</u>	<u>4290</u>	<u>6300</u>
Good Read	<u>933</u>	<u>1009</u>	<u>991</u>		<u>5968</u>	<u>4227</u>	<u>4019</u>	<u>5852</u>
Percentage	<u>92.1%</u>	<u>90.4%</u>	<u>93.1%</u>	<u>0%</u>	<u>93.4%</u>	<u>96.3%</u>	<u>93.7%</u>	<u>92.9%</u>

SYSTEM

Total	<u>6300</u>
Good Read	<u>6230</u>
Percentage	<u>98.9%</u>

Late/Misconnected bags

SW (0526)	JB (279)	GL (846)	AT (846)
<u>0</u>	<u>2</u>	<u>0</u>	<u>0</u>

Keep with next page

Damaged bags

SW (0526)	JB (279)	GL (846)	AT (846)	Other (017)
<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>

Jams lasting longer than 3 minutes

Qty	<u>2</u>
Max	<u>11m19s</u>
Average	<u>7m17s</u>

<u>Time</u>	<u>Duration</u>	<u>Location</u>	<u>Reason</u>
<u>09:14</u>	<u>6m4s</u>	<u>USS1-17</u>	<u>Strap caught under Diverter, removed without damage to bag</u>
<u>16:25</u>	<u>11m19s</u>	<u>LSS1-15</u>	<u>Strap caught side panel, coincided with HSD-USS2 movement fault which stopped entire loop and had Priority</u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>

Total Faults

	MSP	JAMS	HSD	Doors	Fail-Safe			
Total	<u>0</u>	<u>14</u>	<u>4</u>	<u>0</u>	<u>11</u>			

Scheduled Maintenance performed.

<u>WO xxx (Detail)</u>	<u>WO xxx (Detail)</u>
<u>WO xxx (Detail)</u>	<u>WO xxx (Detail)</u>
<u>WO xxx (Detail)</u>	<u>WO xxx (Detail)</u>
<u>WO xxx (Detail)</u>	<u>WO xxx (Detail)</u>

WO xxx (Detail)

WO xxx (Detail)

Unscheduled Maintenance required (attach maintenance report).

HSD-USS2 wrap-spring replaced

LSS1-13 clutch-brake replaced

NOTE: Repeat for all Modules

Attach the following documents

1. Daily pass-downs
2. All duties performed (other than normal operations, e.g. research bag dump to CBRA for TSA, etc.).

END OF REPORT

WEEKLY REPORTS

BHS O&M Weekly Report

System Operation Summary

Reference § TS-16.3.2

Date of report 06/04/2011

Period from 07/03/2011 to 07/09/2011

Bags processed

	1E	2E	3E	1W	2W	3W	FIS	TOTAL
Total	<u>8016</u>	<u>6245</u>	<u>11176</u>	<u>6192</u>	<u>6105</u>	<u>7526</u>	<u>1089</u>	<u>46349</u>
CBRA	<u>408</u>	<u>299</u>	<u>692</u>	<u>260</u>	<u>323</u>	<u>428</u>	<u>92</u>	<u>2502</u>
CBRA %	<u>5.1%</u>	<u>4.8%</u>	<u>6.2%</u>	<u>4.2%</u>	<u>5.3%</u>	<u>5.9%</u>	<u>8.4%</u>	<u>6.9%</u>

	1E	2E	3E	1W	2W	3W	FIS	² TOTAL
MU1	<u>3756</u>	<u>1013</u>	<u>0</u>	<u>2598</u>	<u>3529</u>	<u>12</u>	<u>0</u>	
MU2	<u>1589</u>	<u>2107</u>	<u>5526</u>	<u>2038</u>	<u>1722</u>	<u>3502</u>	<u>0</u>	
MU3	<u>1521</u>	<u>1207</u>	<u>2956</u>	<u>658</u>	<u>756</u>	<u>3877</u>	<u>0</u>	
MU4	<u>998</u>	<u>1824</u>	<u>1823</u>	<u>842</u>	<u>0</u>		<u>0</u>	
MU5	<u>0</u>	<u>0</u>	<u>692</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	
Run-out	<u>152</u>	<u>94</u>	<u>179</u>	<u>56</u>	<u>98</u>	<u>135</u>	<u>6751</u>	<u>714</u>
Run-out	<u>1.9%</u>	<u>1.5%</u>	<u>1.6%</u>	<u>0.9%</u>	<u>1.6%</u>	<u>1.8%</u>	<u>100%</u>	<u>1.58%</u>

ATR read rate

	1E	2E	3E	1W	2W	3W	FIS
Min	<u>90.4%</u>	<u>91.7%</u>	<u>92.2%</u>	<u>91.8%</u>	<u>89.2%</u>	<u>90.6%</u>	<u>88.2</u>
Max	<u>96.3%</u>	<u>95.2%</u>	<u>93.5%</u>	<u>92.9%</u>	<u>91.6%</u>	<u>94.2%</u>	<u>90.8%</u>
System ³	<u>98.9%</u>	<u>97.2%</u>	<u>96.8%</u>	<u>97.4%</u>	<u>96.9%</u>	<u>96.5%</u>	<u>93.6%</u>

Keep with next page

² FIS bags not Counted formulae (Total run-out bags / Total bags processed) as a percentage

³ Sum All ATR's (Good Reads/Total bags processed by ATR) as a percentage

Late/Misconnected bags

SW (0526)	JB (279)	GL (846)	AT (846)
<u>5</u>	<u>34</u>	<u>0</u>	<u>2</u>

Damaged bags

SW (0526)	JB (279)	GL (846)	AT (846)	Other (017)
<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>

Jams lasting longer than 3 minutes

Qty	<u>35</u>
Max	<u>11m19s</u>
Average	<u>6m2s</u>

Total Faults

	MSP	JAMS	HSD	Doors	Fail-Safe			
Total	<u>0</u>	<u>83</u>	<u>19</u>	<u>2</u>	<u>51</u>			

Unscheduled Maintenance required (attach maintenance report).

<u>1E HSD-USS2 wrap-spring replaced</u>	<u>1E LSS1-13 clutch-brake replaced</u>
<u>3E USS1-16 belt failed</u>	<u>2W 1L-05 Motor replaced</u>
<u>3W TC1-44 Love-joy reset</u>	

Ten most frequent faults.

1. Jam 2E LSS1-17 transfer plate (129 events)

Keep with next page

-
2. Unknown bag 3ML1-01 (84 events)

 3. Oversize load TO2 (71 Events)

 4. Jam MU2EN-27 (66 Events)

 5. Over-cycle fault 2W HSD-2L (65 Events)

 6. Unknown bag 1W UC1-01 (64 Events)

 7. Oversize load T0 1(32 Events)

 8. Conveyor Full TO2-01F (49 Events)

 9. Jam MU1WES-16 (44 Events)

 10. Loop Full FIS (43 Events)

CCD identified deficiencies.

Complete 7/4/2011	<u>Clutch-brake 3E LSS1-13 noisy</u>
Complete 7/6/2011	<u>HSD-SB1 belt damaged</u>
Complete 7/6/2011	<u>1WLSS2-02-SB1 needs tracking</u>

END OF REPORT

MONTHLY REPORT

BHS O&M Monthly Report

Replacement Parts Purchasing

Note: Provide in electronic spreadsheet format

Reference § TS-16.4.2.
Month MAY 2011
Date of report 06/04/2011

<u>Consumables</u>	Qty	Price	Total
<u>Rags</u>	_____	_____	_____
<u>Lubricants</u>	_____	_____	_____
<u>Cleaning Supplies</u>	_____	_____	_____
<u>Hardware</u>	_____	_____	_____
<u>Office Supplies</u>	_____	_____	_____
<u>Golf Carts</u>	_____	_____	_____
		Sub total	_____

<u>HSD</u>	Qty	Price	Total
<u>Paddle Assemblies</u>	_____	_____	_____
<u>Wrap Spring Clutches</u>	_____	_____	_____
<u>Bearings</u>	_____	_____	_____
<u>Paddle Belts</u>	_____	_____	_____
<u>Motor</u>	_____	_____	_____
<u>Gearbox</u>	_____	_____	_____
<u>Drive Parts</u>	_____	_____	_____
		Sub total	_____

Keep with next page

<u>Transnorm Conveyors</u>	Qty	Price	Total
<u>Belting</u>	_____	_____	_____
<u>Bearings</u>	_____	_____	_____
<u>Rollers</u>	_____	_____	_____

Bearing Housings			
		Sub total	

Portec Conveyors	Qty	Price	Total
Belting			
Bearings			
Rollers			
Bearing Housings			
		Sub total	

Belting	Qty	Price	Total
Queue Belts			
Transport Belts			
LG Belting			
Ticketing Belts			
Oddsize tote			
UAL Oddsize			
		Sub total	

Merges	Qty	Price	Total
Merge Belts			
Pinch Rollers			
Nose Bars			
		Sub total	

Keep with next page

Motors	Qty	Price	Total
1.0 hp			
1.5 hp			
2.0 hp			
3.0hp			
5.0 hp			

<u>Motors</u>	<u>Qty</u>	<u>Price</u>	<u>Total</u>
7.0 hp			
pFlow			
Other			
		Sub total	

<u>Gearboxes</u>	<u>Qty</u>	<u>Price</u>	<u>Total</u>
Morse			
Tigear			
Dodge			
		Sub total	

<u>Rollers</u>	<u>Qty</u>	<u>Price</u>	<u>Total</u>
Drive Roller			
Snub Roller			
Return Roller			
Tail roller			
		Sub total	

<u>Bearings</u>	<u>Qty</u>	<u>Price</u>	<u>Total</u>
		Sub total	

Keep with next page

<u>Clutch/Brakes</u>	<u>Qty</u>	<u>Price</u>	<u>Total</u>
UM180/1020			
EM180/1020			
Modules			
C/B parts			
		Sub total	

<u>Claim/MU (Colby)</u>	Qty	Price	Total
Drive Parts			
Friction Chain			
Wheels			
Slats			
Track			
Weldments			
Finger guard			
		Sub total	

<u>Ski Claim (BAE)</u>	Qty	Price	Total
Drive Parts			
Wheels			
Track			
Pallets			
Coffins			
Weldments			
Finger guard			
Bushings			
		Sub total	

Keep with next page

<u>Flat Plates (Siemens)</u>	Qty	Price	Total
Drive Parts			
Wheels			
Slats			
Track			
Weldments			
Bushings			
		Sub total	

<u>Claim/MU (Sterns/FKI)</u>	Qty	Price	Total
Drive Parts			
Wheels			
Slats			
Track			
Weldments			
Finger guard			

Sub total

<u>VFD Controllers</u>	Qty	Price	Total
Oddsize			
Micromaster 420			
Micromaster 440			
SEW Movimot			

Sub total

<u>Sick ATR's/BMA</u>	Qty	Price	Total
Heads			
Controller			
Other			

Sub total

Keep with next page

<u>Metrologic ATR</u>	Qty	Price	Total
Heads			
Controller			
Other			

Sub total

<u>Security doors</u>	Qty	Price	Total
Oddsize L6			
Oddsize L5			
Oddsize Inbound			
Inbound Claims			
Curbside L6			

<u>Security doors</u>	<u>Qty</u>	<u>Price</u>	<u>Total</u>
Ciurdside L5			
		Sub total	

<u>Controls</u>	<u>Qty</u>	<u>Price</u>	<u>Total</u>
MCP hardware			
Photo sensors			
Shaft encoders			
Warning devices			
Control station hardware			
Wire/Wire nuts/Terminations			
		Sub total	

<u>Network</u>	<u>Qty</u>	<u>Price</u>	<u>Total</u>
PLC hardware			
UPS			
Server/PC			
Network fiber converters			
Network switches/routers			
		Sub total	

END OF REPORT

BHS O&M Monthly Report

Equipment rebuilt/refurbished

Reference § TS 16.4.3.
Month MAY 2011
Date of report 06/04/2011

Work done by ELS

<u>Completed</u>	<u>Location</u>	<u>Component/Assembly</u>
<u>7/4/2011</u>	<u>3E LSS1-14</u>	<u>Clutch-brake</u>
<u>7/6/2011</u>	<u>2E USS4-13</u>	<u>Clutch Brake</u>

Work done by SICK Automation

<u>Completed</u>	<u>Location</u>	<u>Component/Assembly</u>
<u>7/9/2011</u>	<u>3E USS2-09</u>	<u>Scanner head</u>
<u>7/9/2011</u>	<u>2E LSS1-14</u>	<u>Scanner Head</u>

Work done by _____

<u>Completed</u>	<u>Location</u>	<u>Component/Assembly</u>

END OF REPORT

BHS O&M Monthly Report

Spare Parts Budget Performance Summary

Reference § TS-16.4.4.
 Month MAY 2011
 Date of report 06/04/2011

	<u>Budget</u>	<u>Actual</u>	<u>Diff</u>	<u>Adj %</u>
Consumables	900.00	821.32	78.68	8.7%
HSD's	6,500.00	4,950.26	1,549.74	23.8%
Transnorm Conveyors	4,500.00	5,510.00	(1,010.00)	(22.4)%
Portec Conveyors	500.00	505.45	(5.45)	(1.1)%
Queue Conveyors	500.00	505.45	(5.45)	(1.1)%
Transport Conveyors	500.00	505.45	(5.45)	(1.1)%
Belting	1,500.00	1,100.56	399.44	26.6%
Merges	600.00	550.00	50.00	8.3%
Motors	1,750.00	1,425.20	324.80	18.6%
Gearboxes	3,200.00	3,500.89	(300.89)	(9.4)%
Rollers	1,200.00	1,150.00	50.00	4.2%
Bearings	300.00	250.25	49.75	16.6%
Clutch Brakes	3,500.00	3,658.46	(158.46)	(4.5)%
Claim/MU (Colby)	850.00	880.00	(30.00)	(3.5)%
Ski Claim (BAE)	400.00	395.21	4.79	1.2%
Flat Plates (Siemens)	750.00	777.77	(27.77)	-3.7%
Claim/MU (Sterns/FKI)	800.00	780.77	19.23	2.4%
VFD Controllers	3,400.00	3,612.58	(212.58)	(6.3)%
Sick ATR/BMA	4,200.00	4,155.12	44.88	1.1%
Metrologic ATR	400.00	380.56	19.44	4.9%
Security Doors	500.00	490.58	9.42	1.9%
Controls components	2,200.00	2,645.00	(445.00)	(20.2)%
PLC	2,200.00	1,225.67	974.33	44.3%
Network	150.00	144.80	5.20	3.5%
Server/PC	350.00	0.00	350.00	100.0%
Totals	41,650.00	39,921.35	1,728.65	4.2%

END OF REPORT

BHS O&M Monthly Report

Manpower Usage Summary

Reference § TS-16.4.5.
 Month MAY 2011
 Date of report 06/04/2011

Manager

	1E	2E	3E	1W	2W	3W	FIS	TOTAL
Administration								
Scheduled Maint								
Preventative Maint								
Unscheduled Maint								
Daily Walk-through								
Cleaning								
Training								
Operations								
Other								
Totals								

Supervisor

	1E	2E	3E	1W	2W	3W	FIS	TOTAL
Administration								
Scheduled Maint								
Preventative Maint								
Unscheduled Maint								
Daily Walk-through								
Cleaning								
Training								
Operations								
Other								
Totals								

Repeat for all employee categories

END OF REPORT

BHS O&M Monthly Report

System Performance Report

Reference § TS-16.4.6.
 Month MAY 2011
 Date of report 06/04/2011

Tracking

	1E	2E	3E	1W	2W	3W	FIS	TOTAL
CBIS Tracking ⁴	_____	_____	_____	_____	_____	_____	_____	_____
Sortation Tracking ⁵	_____	_____	_____	_____	_____	_____	_____	_____

Baggage Tag quality

West Modules	<u>BA</u>	<u>LH</u>	<u>AA</u>	<u>US</u>	<u>CO</u>	<u>UAL</u>		
Pass/Fail	_____	_____	_____	_____	_____	_____	_____	_____
Last Test	_____	_____	_____	_____	_____	_____	_____	_____
East Modules	<u>F9</u>	<u>DL</u>	<u>AM</u>	<u>SW</u>	AT	JB	GL	
Pass/Fail	_____	_____	_____	_____	_____	_____	_____	_____
Last Test	_____	_____	_____	_____	_____	_____	_____	_____

ATR read rate

	1E	2E	3E	1W	2W	3W	FIS
Min	<u>90.4%</u>	<u>91.7%</u>	<u>92.2%</u>	<u>91.8%</u>	<u>89.2%</u>	<u>90.6%</u>	<u>88.2</u>
Max	<u>96.3%</u>	<u>95.2%</u>	<u>93.5%</u>	<u>92.9%</u>	<u>91.6%</u>	<u>94.2%</u>	<u>90.8%</u>
System ⁶	<u>98.9%</u>	<u>97.2%</u>	<u>96.8%</u>	<u>97.4%</u>	<u>96.9%</u>	<u>96.5%</u>	<u>93.6%</u>

System data

	1E	2E	3E	1W	2W	3W	FIS	TOTAL
Down time Total ⁷	_____	_____	_____	_____	_____	_____	_____	_____
Down time Err ⁸	_____	_____	_____	_____	_____	_____	_____	_____
Down time No Err ⁹	_____	_____	_____	_____	_____	_____	_____	_____
EDS down time	_____	_____	_____	_____	_____	_____	_____	_____
CBRA total bags T ¹⁰	_____	_____	_____	_____	_____	_____	_____	_____

⁴ (Error Bags to CBRA/Total bags delivered to MU) as a percentage

⁵ (Run-out bags/Total bags delivered to MU) as a percentage

⁶ Sum All ATR's (Good Reads/Total bags processed by ATR) as a percentage

⁷ Total down time

⁸ Down time effecting operations (Minimum required capacity is effected)

⁹ Down time NOT effecting operations (part of redundant equipment remains operational to process load)

¹⁰ Excludes bags in CBRA by design (Multiple read, Screened & Oversize)

	1E	2E	3E	1W	2W	3W	FIS	TOTAL
CBRA Error bags ¹¹								
Total bags to MU								
Peak Hour ¹²								

Equipment reliability¹³

	1E	2E	3E	1W	2W	3W	FIS	TOTAL
HSD's								
Transnorm PT								
Portec PT								
Queue Conveyors								
Transport Conveyors								
Merges Conveyors								
Motors								
Gearboxes								
Claim/MU (Colby)								
Ski claim (BAE)								
MU (Siemens)								
Flat plate (Siemens)								
Claim/MU (Sterns)								
Sick ATR/BMA								
Metrologix ATR								
Security doors								
VFD's								
Network								
Server/PC								
PLC								

e.g.

	<u>Sick heads 1E</u>	<u>HSD's 1E</u>
Uptime (m)	39600	39600
Downtime (m)	75	125
Item availability (%)	99.81%	99.68%

END OF REPORT

¹¹ (Total CBRA error bags / Total bags to MU) as a percentage

¹² Peak total bags processed in a 1 hour period (xx:00 to xx:59)

¹³ (scheduled operating time – downtime)/ scheduled operating time) as a percentage to 2 decimal points.

BHS O&M Monthly Report

Spare Parts Exception Summary

Reference § TS-16.4.7
 Month MAY 2011
 Date of report 06/04/2011

Spares on order not received.

	Quantity	Value	On hand
RH wrap spring clutches	2	6,412.92	2
	Total value		Total value

Spares not arriving during expected lead time.

	Days late	Quantity	Value
RH wrap spring clutches	10	2	6,412.92
Transnorm 45 spiral belt +12"	4	2	1620.46
		Total value	

Critical spares not on site during Month.

	No of days	Quantity	Value
Transnorm 45 spiral belt +12"	2	2	1620.46
		Total value	

Keep with next page

Borrowed spares.

	No of days	Quantity	Value
Itemize	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
		Total value	_____

Borrowed spares not replaced by End of Month.

	Quantity	Value
Itemize	_____	_____
_____	_____	_____
_____	_____	_____
	Total value	_____

END OF REPORT

BHS O&M Monthly Report

Inspection Deficiency Status

Reference § TS.16.4.8.
Month MAY 2011
Date of report 06/04/2011

Critical, effecting performance.

<u>Device</u>	<u>Reason</u>	<u>Completion date</u>
<u>2W HSD-UC1</u>	<u>Awaiting wrap spring clutch</u>	<u>6/6/2011</u>
<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>

Important, potential to effect performance.

<u>Device</u>	<u>Reason</u>	<u>Completion date</u>
<u>None</u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>

Non critical.

<u>Device</u>	<u>Reason</u>	<u>Completion date</u>
<u>1W LSS5-13</u>	<u>Awaiting clutch brake</u>	<u>6/15/2011</u>
<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>

END OF REPORT

BHS O&M Monthly Report

Training Status

Reference § TS-16.4.9.
 Month MAY 2011
 Date of report 06/04/2011

Completed

<u>Who</u>	<u>Type</u>	<u>Completion date</u>	<u>Grade*</u>
John Doe	Sick ATR head replacement	5/12/2011	3
John Doe	General conveyor PM	5/14/2011	4
John Doe	MCP PM	5/21/2011	4
John Doe	E-stop fault finding	5/29/2011	5

Outstanding

<u>Who</u>	<u>Type</u>	<u>Scheduled</u>
John Doe	HSD paddle replacement	6/7/2011

- GRADE 1 Fail (not proficient to perform the work)
 2 Requires additional training (not proficient to work unsupervised)
 3 Proficient (work requires periodic checking/verification)
 4 Excellent (works unsupervised)
 5 Advanced (capable of providing training to others)

END OF REPORT

BHS O&M Monthly Report

MTTR Compliance

Reference § TS-16.4.10
Month MAY 2011
Date of report 06/04/2011

<u>Device</u>	<u>Qty</u>	<u>Min</u>	<u>Max</u>	<u>Avg</u>
<u>Belt change</u>	<u>2</u>	<u>1hr50m</u>	<u>1hr55m</u>	<u>1hr53m</u>
<u>Diverter paddle</u>	<u>5</u>	<u>1hr30m</u>	<u>1hr50m</u>	<u>1hr35m</u>
<u>Motor</u>	<u>1</u>	<u>20m</u>	<u>20m</u>	<u>20m</u>
<u>Reducer/Gearbox</u>	<u>1</u>	<u>50m</u>	<u>50m</u>	<u>50m</u>
<u>Clutch/brake</u>	<u>1</u>	<u>45m</u>	<u>45m</u>	<u>45m</u>
<u>Photocells</u>	<u>5</u>	<u>15m</u>	<u>22m</u>	<u>20m</u>
<u>Shaft Encoder</u>	<u>0</u>			
<u>VFD</u>	<u>1</u>	<u>52m</u>	<u>52m</u>	<u>52m</u>

END OF REPORT

BHS O&M Monthly Report

Monthly Invoice

Reference §

Refer to CCD requirements for content and format in addition to breakout defined by this specification

Attach supporting documentation as follows for the period;

1. Employee roster (§ SC-22.A.a).
2. New hire/termination/change roster (§ SC-22.A.b).
3. YTD overtime report (§ SC-22.A.c).
4. Justification of all overtime (§ SC-22.A.d).
5. All employee absences (§ SC-22.A.e).
6. Breakdown of costs by Module and cost center (§ SC-22.A.f).
7. Workers compensation (§ SC-22.B.).
8. Unemployment insurance (§ SC-22.C.).
9. Documentation confirming and verifying compliance with CCD minimum/prevaling wage for the period (Agreement § 12.c.6).
10. Documentation confirming and verifying all wage payments (Agreement §12.c.7).
11. Legible copies of all spare parts received by invoice (§SC-21).
12. Written justification for all claimed expenses (§SC-21).

END OF REPORT

QUARTERLY REPORTS

BHS O&M Quarterly Report

Updated Spare Parts Budget Projections

Reference § TS-16.5.2.
 Month MAY 2011
 Date of report 06/04/2011

Updated Annual Total projection _____

1 st /2 nd Quarter	Jan	Feb	Mar	Apr	May	Jun
HSD's						
Transnorm PT						
Portec PT						
Queue Conv						
Transport Conv						
Merges						
Motors						
Gearboxes						
Claim/MU (Colby)						
Ski claim (BAE)						
MU (Siemens)						
Flat plate (Siemens)						
Claim/MU (Sterns)						
Sick ATR/BMA						
Metrologix ATR						
Security doors						
VFD's						
Network						
Server/PC						
PLC						
Other						
Monthly Total						

Keep with next page

<u>3rd/4th Quarter</u>	Jul	Aug	Sep	Oct	Nov	Dec
HSD's						
Transnorm PT						
Portec PT						
Queue Conv						
Transport Conv						
Merges						
Motors						
Gearboxes						
Claim/MU (Colby)						
Ski claim (BAE)						
MU (Siemens)						
Flat plate (Siemens)						
Claim/MU (Sterns)						
Sick ATR/BMA						
Metrologix ATR						
Security doors						
VFD's						
Network						
Server/PC						
PLC						
Other						
Monthly Total						

END OF REPORT

BHS O&M Quarterly Report

Manpower Analysis

Reference § TS-16.5.3.
 Month MAY 2011
 Date of report 06/04/2011

	<u>Required</u>	<u>Actual</u>	<u>Shortage</u>
Manager	520	_____	_____
Office Manager	416	_____	_____
Supervisor ¹⁴	1460	_____	_____
Control System Technician ¹⁴	2190	_____	_____
Control room operator ¹⁴	1825	_____	_____
Stores Officer	520	_____	_____
Machinery Maintenance Mechanic ¹⁵	_____	_____	_____
Entry support Mechanic ¹⁵	_____	_____	_____
Other ¹⁵	_____	_____	_____

Efforts taken by Contractor to address shortages.

END OF REPORT

¹⁴ Estimated, subject to change based on operations
 Scope of Services; Contract No. 201204994
 BHS Operation & Maintenance Service Agreement

BHS O&M Quarterly Report

Equipment Repair/Cost Analysis

Reference § TS-16.5.4.
 Month MAY 2011
 Date of report 06/04/2011

	This Qtr Labor	This Qtr Materials	YTD Labor	YTD Materials
Standard conveyors				
Transnorm PT				
Portec PT				
Queue conveyors				
Merge conveyors				
Motors				
Gearboxes				
HSD's				
Sick ATR's/BMA				
Metrologix ATR				
Claim/MU (Colby)				
Ski claim (BAE)				
MU (Siemens)				
Flat plate (Siemens)				
Claim/MU (Sterns/FKI)				
Lifts				
Security doors				
VFD's				
Monitors				
Servers				
Workstations				
Network components				
Electrical TBD				
Electrical TBD				
Electrical TBD				

END OF REPORT

BHS O&M Quarterly Report

End of Useful Life

Reference § TS-16.5.5
Month MAY 2011
Date of report 06/04/2011

<u>Required</u>	<u>End of life</u>	<u>Replacement by</u>
<u>ATR black head baggage tag scanners</u>	<u>12/2011</u>	<u>09/2011</u>

Reason for End of life.

The equipment supplier stopped manufacturing spare parts in 12/2006 and will no longer provide repair services for equipment past 12/2011.

Proposed Solution.

The existing equipment needs to be replaced with equipment which is readily available on the market and has a Reasonable life expectancy. Current equipment in other areas of the airport utilize the latest product from the equipment supplier which provides good read rates. It is recommended that consideration be given to using this product due to good read rates, equipment familiarity and spare parts inventory. The supplier has indicated that equipment is still be manufactured and there is no known schedule for replacement or end of life announcement.

END OF REPORT

BI-ANNUAL REPORTS

BHS O&M Bi-Annual Report

Spare Parts Inventory and Reconciliation Report

Reference § TS-16.6.2
Month July 2011
Date of report 07/04/2011

Per CMSS for all components containing as a minimum

1. Ending stock quantity.
2. Actual stock quantity on hand.
3. Adjustment quantity.
4. Adjustment value.

END OF REPORT

ANNUAL REPORTS

BHS O&M Annual Report

Next Year Budget Projection report

Reference § TS-16.7.2.
 Period Fiscal Year 2011
 Date of report 10/15/2011

	Value	Percentage
Budget projection		
Increase, Budget Year on Budget Year	_____	
Increase, Budget Year on Actual Year	_____	_____

1 st /2 nd Quarter	Jan	Feb	Mar	Apr	May	Jun
Maintenance Fee	_____	_____	_____	_____	_____	_____
Operations Fee	_____	_____	_____	_____	_____	_____
Management Fee	_____	_____	_____	_____	_____	_____
Other Fee	_____	_____	_____	_____	_____	_____
HSD's	_____	_____	_____	_____	_____	_____
Transnorm PT	_____	_____	_____	_____	_____	_____
Portec PT	_____	_____	_____	_____	_____	_____
Queue Conveyor	_____	_____	_____	_____	_____	_____
Transport Conveyor	_____	_____	_____	_____	_____	_____
Merges	_____	_____	_____	_____	_____	_____
Motors	_____	_____	_____	_____	_____	_____
Gearboxes	_____	_____	_____	_____	_____	_____
Claim/MU (Colby)	_____	_____	_____	_____	_____	_____
Ski claim (BAE)	_____	_____	_____	_____	_____	_____
MU (Siemens)	_____	_____	_____	_____	_____	_____
Flat plate (Siemens)	_____	_____	_____	_____	_____	_____
Claim/MU (Sterns)	_____	_____	_____	_____	_____	_____
Sick ATR/BMA	_____	_____	_____	_____	_____	_____
Metrologix ATR	_____	_____	_____	_____	_____	_____
Security doors	_____	_____	_____	_____	_____	_____
VFD's	_____	_____	_____	_____	_____	_____
Network	_____	_____	_____	_____	_____	_____

Keep with next page

Server/PC						
PLC						
Total						

<u>3rd/4th Quarter</u>	Jul	Aug	Sep	Oct	Nov	Dec
Maintenance Fee						
Operations Fee						
Management Fee						
Other						
HSD's						
Transnorm PT						
Portec PT						
Queue Conv						
Transport Conv						
Merges						
Motors						
Gearboxes						
Claim/MU (Colby)						
Ski claim (BAE)						
MUe (Siemens)						
Flat plate (Siemens)						
Claim/MU (Sterns)						
Sick ATR/BMA						
Metrologix ATR						
Security doors						
VFD's						
Network						
Server/PC						
PLC						
Total						

END OF REPORT

BHS O&M Annual Report

System Performance Report

Reference § TS-16.7.3.
 Month July 2011
 Date of report 07/04/2011

Tracking

	1E	2E	3E	1W	2W	3W	FIS	TOTAL
CBIS Tracking ¹⁵	_____	_____	_____	_____	_____	_____	_____	_____
Sortation Tracking ¹⁶	_____	_____	_____	_____	_____	_____	_____	_____

Baggage Tag quality

West Modules	<u>BA</u>	<u>LH</u>	<u>AA</u>	<u>US</u>	<u>CO</u>	<u>UAL</u>		
Pass/Fail	_____	_____	_____	_____	_____	_____	_____	_____
Last Test	_____	_____	_____	_____	_____	_____	_____	_____
East Modules	<u>F9</u>	<u>DL</u>	<u>AM</u>	<u>SW</u>	AT	JB	GL	
Pass/Fail	_____	_____	_____	_____	_____	_____	_____	_____
Last Test	_____	_____	_____	_____	_____	_____	_____	_____

ATR read rate

	1E	2E	3E	1W	2W	3W	FIS
Min	<u>90.4%</u>	<u>91.7%</u>	<u>92.2%</u>	<u>91.8%</u>	<u>89.2%</u>	<u>90.6%</u>	<u>88.2</u>
Max	<u>96.3%</u>	<u>95.2%</u>	<u>93.5%</u>	<u>92.9%</u>	<u>91.6%</u>	<u>94.2%</u>	<u>90.8%</u>
System ¹⁷	<u>98.9%</u>	<u>97.2%</u>	<u>96.8%</u>	<u>97.4%</u>	<u>96.9%</u>	<u>96.5%</u>	<u>93.6%</u>

System data

	1E	2E	3E	1W	2W	3W	FIS	TOTAL
Down time Total ¹⁸	_____	_____	_____	_____	_____	_____	_____	_____
Down time Error ¹⁹	_____	_____	_____	_____	_____	_____	_____	_____
Down time No Err ²⁰	_____	_____	_____	_____	_____	_____	_____	_____
EDS down time	_____	_____	_____	_____	_____	_____	_____	_____
CBRA total bags T ²¹	_____	_____	_____	_____	_____	_____	_____	_____

¹⁵ (Error Bags to CBRA/Total bags delivered to MU) as a percentage

¹⁶ (Run-out bags/Total bags delivered to MU) as a percentage

¹⁷ Sum All ATR's (Good Reads/Total bags processed by ATR) as a percentage

¹⁸ Total down time

¹⁹ Down time effecting operations (Minimum required capacity is effected)

²⁰ Down time NOT effecting operations (part of redundand equipment remains operational to process load)

²¹ Excludes bags in CBRA by design (Multiple read, Screened & Oversize)

	1E	2E	3E	1W	2W	3W	FIS	TOTAL
CBRA Error bags ²²								
Total bags to MU								
Peak Hour ²³								

Equipment reliability²⁴

	1E	2E	3E	1W	2W	3W	FIS	TOTAL
HSD's								
Transnorm PT								
Portec PT								
Queue Conveyors								
Transport Conveyors								
Merges								
Motors								
Gearboxes								
Claim/MU (Colby)								
Ski claim (BAE)								
MU (Siemens)								
Flat plate (Siemens)								
Claim/MU (Sterns)								
Sick ATR/BMA								
Metrologix ATR								
Security doors								
VFD's								
Network								
Server/PC								
PLC								

e.g.

	<u>Sick heads 1E</u>	<u>HSD's 1E</u>
Uptime (m)	481800	481800
Downtime (m)	638	1063
Item availability (%)	99.87%	99.78%

END OF REPORT

BHS O&M Annual Report

²² (Total CBRA error bags / Total bags to MU) as a percentage

²³ Peak total bags processed in a 1 hour period (xx:00 to xx:59)

²⁴ (scheduled operating time – downtime)/ scheduled operating time) as a percentage to 2 decimal points.

Equipment Repair Status/Cost Analysis Report

Reference § TS-16.7.4.
 Month July 2011
 Date of report 07/04/2011

	This Yr Labor	This Yr Materials	Last Yr Labor	Adj %	Last Yr Materials	Adj %
Standard conveyors						
Transnorm PT						
Portec PT						
Queue conveyors						
Merge conveyors						
Motors						
Gearboxes						
HSD's						
Sick ATR's						
Metrologix ATR						
Claim/MU (Colby)						
Ski claim (BAE)						
Flat plate (Siemens)						
Claim/MU (Sterns)						
Lifts						
Security doors						
Workstations						
Monitors						
Servers						
Network						
VFD's						
Electrical TBD						
Electrical TBD						
Electrical TBD						

END OF REPORT

BHS O&M

Safety Audit Report.

Reference § TS-16.7.5

Date of notification 06/04/2011

Auditor John Doe

Substances involved

BHS Reducer/Gearbox oil

SWPP deficiencies

SWPP-14. Change wrap spring clutch in HSD

Requires additional details to instruct persons performing work to ensure that a second
person observer is present.

SWPP to be updated.

All SWPP are up to date

CCD use only Do Not Write Below This Line

Date received _____
Receiving person _____

Comment _____

END OF REPORT

EXHIBIT B
RATES OF PAY

Vanderlande Industries	
Additional Hourly Rates	
Site Manager	74.25
Office Manager	31.05
Supervisor	51.39
Control System Tech	44.23
Control Room Operator	25.45
Machinery Maintenance Mechanic	35.47
Entry Support Mechanic	29.07
Store Officer	25.45
Out Sourced - Entry Support Mechanic	31.76

CITY AND COUNTY OF DENVER
CERTIFICATE OF INSURANCE FOR DEPARTMENT OF AVIATION

Original COI

Advice of Renewal

Change

Party to Whom this Certificate is Issued:

Name and Address of Insured:

CITY AND COUNTY OF DENVER
Manager of Aviation
Denver International Airport
8500 Peña Boulevard, Room 8810
Denver CO 80249

CONTRACT NAME & NUMBER TO WHICH THIS INSURANCE APPLIES: 201204994 – O & M Inbound/Outbound Baggage System

I. MANDATORY COVERAGE

Colorado Workers' Compensation and Employer Liability Coverage

Coverage: COLORADO Workers' Compensation

Minimum Limits of Liability (In Thousands)

WC Limits: \$100, \$500, \$100

And Employer's Liability Limits:

Any Policy issued under this section must contain, include or provide for the following:

1. All States Coverage or Colorado listed as a covered state for the Workers' Compensation
2. Waiver of Subrogation and Rights of Recovery against the City and County of Denver (the "City"), its officers, officials and employees.

Commercial General Liability Coverage

Coverage: Commercial General Liability (coverage at least as broad as that provided by ISO form CG0001 or equivalent)

Minimum Limits of Liability (In Thousands):

Each Occurrence:	\$1,000
General Aggregate Limit:	\$2,000
Products-Completed Operations Aggregate Limit:	\$2,000
Personal & Advertising Injury:	\$1,000
Fire Damage Legal - Any one fire	\$1,000

Any Policy issued under this section must contain, include or provide for the following:

1. City, its officers, officials and employees as additional insureds, per ISO form CG2010 and CG 2037 or equivalents.
2. Coverage for defense costs of additional insureds outside the limits of insurance, per CG0001.
3. Liability assumed under an Insured Contract (Contractual Liability).
4. The full limits of coverage must be dedicated to apply to this project/location, per ISO form CG2503 or equivalent.
5. Waiver of Subrogation and Rights of Recovery, per ISO form CG2404 or equivalent.
6. Separation of Insureds Provision required
7. General Aggregate Limit Applies Per: Policy ___Project ___Location___, if applicable

Business Automobile Liability Coverage

Coverage: Business Automobile Liability (coverage at least as broad as ISO form CA0001)

Any Policy issued under this section must contain, include or provide for the following:

1. Symbol 1, coverage for any auto. If no autos are owned, Symbols 8 & 9, (Hired and Non-owned) auto liability.
2. If this contract involves the transport of hazardous cargo such as fuel, solvents or other hazardous materials may occur, then Broadened Pollution Endorsement, per ISO form CA 9948 or equivalent and MCS 90 are required.

II. ADDITIONAL COVERAGE

Umbrella Liability

Coverage:

**Umbrella Liability, Unescorted airside access
Minimum Limits of Liability (In Thousands)**

Each Occurrence and aggregate

\$9,000

Any Policy issued under this section must contain, include or provide for the following:

1. City, its officers, officials and employees as additional insureds.
2. Coverage in excess of, and at least as broad as, the primary policies in sections WC-1, CGL-1, and BAL-1.
3. **If operations include unescorted airside access at DIA, then a \$9 million Umbrella Limit is required.**

Professional Liability only as applicable Information Technology Contracts

Coverage: Professional Liability including Cyber Liability for Errors and Omissions

(If contract involves software development, computer consulting, website design/programming, multi-media designers, integrated computer system design, data management, and other computer service providers.)

Minimum Limits of Liability (In Thousands)

Per Claim

\$500

Any Policy issued under this section must contain, include or provide for the following:

1. The insurance shall provide coverage for the following risks:
 - a. Liability arising from theft, dissemination and / or use of confidential information (a defined term including but not limited to bank account, credit card account, personal information such as name, address, social security numbers, etc. information) stored or transmitted in electronic form
 - b. Network Security Liability arising from the unauthorized access to, use of or tampering with computer systems including hacker attacks, inability of an authorized third party, to gain access to your services including denial of service, unless caused by a mechanical or electrical failure
 - c. Liability arising from the introduction of a computer virus into, or otherwise causing damage to, a customer's or third person's computer, computer system, network or similar computer related property and the data, software, and programs thereon.
2. Policies written on a claims-made basis must remain in full force and effect in accordance with CRS 13-80-104. The Insured warrants that any retroactive date under the policy shall precede the effective date of this Contract; and that either continuous coverage will be maintained or an extended discovery period will be exercised for a period of two (2) years beginning at the time work under the Contract is completed.
3. Any cancellation notice required herein may be provided by either certified or regular mail.
4. The policy shall be endorsed to include the City, its elected officials, officers and employees as additional insureds with respect to liability arising out of the activities performed by, or on behalf of the Insured
5. Coverage must include advertising injury, personal injury (including invasion of privacy) and intellectual property offenses related to internet.

III. ADDITIONAL CONDITIONS

It is understood and agreed, for the benefit of the City, that the following additional conditions shall apply to all coverage specified herein

- All coverage provided herein shall be primary and any insurance maintained by the City shall be considered excess.
- With the exception of professional liability and auto liability, a Waiver of Subrogation and Rights of Recovery against the City, its officers, officials and employees is required for each coverage period.
- The City shall have the right to verify or confirm, at any time, all coverage, information or representations contained herein, and the insured and its undersigned agent shall promptly and fully cooperate in any such audit the City may elect to undertake.
- Advice of renewal is required.
- All insurance companies issuing policies hereunder must carry at least an A -VI rating from A.M. Best Company or obtain a written waiver of this requirement from the City's Risk Administrator.
- Compliance with coverage requirement by equivalent herein must be approved in writing by the City's Risk Administrator prior to contract execution.
- No changes, modifications or interlineations on this Certificate of Insurance shall be allowed without the review and approval of the Risk Administrator prior to contract execution.

NOTICE OF CANCELLATION

It is understood and agreed that should any Policy issued hereunder be cancelled or non-renewed before the expiration date thereof, or sustain a material change in coverage adverse to the City, the issuing company or its authorized Agent shall give notice to the Department of Aviation in accordance with policy provisions.

EXHIBIT D

PERFORMANCE BOND

KNOW ALL MEN BY THESE PRESENTS, that we, the undersigned **VANDERLANDE INDUSTRIES INC.**, a corporation organized under the laws of the State of Delaware, hereinafter referred to as the "Contractor" and _____, a corporation organized under the laws of the State of _____, and authorized to transact business in the State of Colorado, hereinafter referred to as "Surety", are held and firmly bound unto the CITY AND COUNTY OF DENVER, a municipal corporation of the State of Colorado, hereinafter referred to as the "CITY", in the penal sum of **TWO MILLION AND NO/100 Dollars (\$2,000,000.00)**, lawful money of the United States of America, for the payment of which sum the Contractor and Surety bind themselves and their heirs, executors, administrators, successors and assigns, jointly and severally by these presents.

WHEREAS, the above Contractor has entered into a written contract with the City for the performance of maintenance and operations services for the baggage handling system at Denver International Airport, and for the furnishing of all labor, materials, equipment, tools, superintendence, and other facilities and accessories for services, **Contract Number 201204994**, in accordance with all of the contract documents therefore which are incorporated herein by reference and made a part hereof, and are herein referred to as the Contract.

NOW, THEREFORE, the condition of this performance bond is such that if the Contractor:

1. Promptly and faithfully observes, abides by and performs each and every covenant, condition and part of said Contract in the time and manner prescribed in the Contract; and
2. Pays the City all losses, damages (liquidated or actual, including, but not limited to, damages caused by delays in the performance of the Contract), expenses, costs and attorneys' fees, that the City sustains resulting from any breach or default by the Contractor under the Contract, then this bond is void; otherwise, it shall remain in full force and effect.

IN ADDITION, if said Contractor fails to duly pay for any labor, materials, team hire, sustenance, provisions, provender, or any other supplies used or consumed by said Contractor or its subcontractors in its performance of the services contracted to be done or fails to pay any person who supplies rental machinery, tools, or equipment, all amounts due as the result of the use of such machinery, tools, or equipment in the carrying out of such Contract, the Surety shall pay the same in an amount not exceeding the amount of this obligation, together with interest at the rate of eight percent per annum.

PROVIDED FURTHER, that the said Surety, for value received, hereby stipulates and agrees that any and all changes in the Contract or compliance or noncompliance with the formalities in

the Contract for making such changes shall not affect the Surety's obligations under this bond and the Surety hereby waives notice of any such changes.

IN WITNESS WHEREOF, said Contractor and said Surety have executed these presents as of this ____ day of _____, 2012.

CONTRACTOR

By: _____
President

SURETY

By: _____
Attorney-in-Fact

(Accompany this bond with Attorney-in-Fact's authority from the Surety to execute bond, certified to include the date of the bond.)

CITY AND COUNTY OF DENVER

By: _____
MAYOR

By: _____
Manager of Aviation

APPROVED AS TO FORM:

DOUGLAS FRIEDNASH, Attorney for
the City and County of Denver

By: _____
Assistant City Attorney

Denver International Airport Request for Proposal No. 201204107 Operations and Maintenance Services For the Terminal Baggage Handling System

Project # 1401662

COPY NO. 5



Vanderlande Industries
Volume 1 - Company Presentation

Due: February 17, 2012

Base Proposal

1 of 4

2. CHAPTER 2: LETTER OF COMPLIANCE

a. Letter of Compliance

February 17, 2012

Mr. David Rhodes, P.E.
Deputy Manager of Aviation, Planning & Development
Administrative Office Building (AOB)
Denver International Airport
8500 Pena Boulevard
Denver, CO 80249-6340

Re: RFP NO. 201204107, Operations and Maintenance Services for the Terminal Baggage Handling System

Dear Mr. Rhodes:

We are responding in compliance to the RFP documents, and we are extremely interested to have the opportunity to deliver operations and maintenance services for the terminal baggage handling system at Denver International Airport.

We understand that your interest is in services providers who are:

- Qualified and Experienced
- Financially Sound
- Experts in baggage handling service and system behavior
- Accurate and thorough with preventative maintenance
- Continuously Optimizing Value-added services vs. Costs

THE VANDERLANDE SOLUTION

Our goal is to provide assurance to you, your stakeholders, and your airlines. Below are examples of how we aim to help you increase your operating availability, while reducing your overall costs:

➤ REDUCING COSTS

We will partner and deliver effective strategies to enhance your operations and maintenance; thereby, mitigating your risks and minimizing your costs.

➤ COMPLETE TRANSPARENCY

Our operation is open and transparent, so you will have complete access to any and all information pertaining to your baggage handling system operation.

➤ SEAMLESS TRANSITION

We will harness our experience to partner with you to deliver an operational transition that will not result in any system interruption.

➤ EXPERIENCE MANAGING & OPTIMIZING SIEMENS' EQUIPMENT AND CONTROLS

We understand how to optimize Siemens technologies and systems to prevent downtime.

➤ TRAINING

Our training provides staff with highly exercised skills and standard operating procedures to reduce incident duration.

➤ CONTINUOUS IMPROVEMENT

We will reduce your operating costs by using our tools to capture operational and maintenance data, thereby enabling us to analyze and implement continuous improvement solutions.

➤ **ADDITIONAL VALUE (Reference Volume 3, Chapter 4)**

- **BUSINESS PROCESS INTELLIGENCE (BPI)**
BPI extracts your complex operating data and displays the data in an easily comprehensible report to drive continuous operational improvement.
- **MAXIMO[®] CMMS**
This CMMS reduces your total cost of ownership through spare parts optimization, preventive maintenance concepts, and work order tracking.
- **VIBES.MOM Tablet**
The remote monitoring tablet saves time by giving secure access to transparent system and preventive maintenance key performance indicators (KPIs) to any authorized user via the provided Apple[®] IPAD.
- **HIGH CAPACITY DIVERTER (HCDII)**
At no cost, we will install a High Capacity Diverter with a full five (5) year warranty on parts and labor if we are awarded the service contract.
- **INTERNATIONAL STEERING COMMITTEE**
Denver International Airport will be included to a select group of our International network of airports to drive innovation strategies and techniques.

COMPANY EXPERIENCE, LOCATION, AND BACKGROUND

The abovementioned solution and additional value is based on Vanderlande Industries' specialization with implementing and executing baggage handling operations and maintenance contracts world-wide.

- 61 years of baggage handling OEM experience;
- 30 years of world-wide Operations and Maintenance (O&M) experience;
- 500 Service contracts globally (30 contracts in North America);
- Office located in Marietta, GA, which will support your operation from the corporate level, supplemented by local on-site staff

We fully understand the work scope, deliverables, responsibilities, requirements, conditions, and all other matters as indicated in the RFP. In combination with our experience and our added values, we expect to be very capable of exceeding your expectations.

Best Regards,



Wes Goode
VP, Customer Services
Vanderlande Industries Inc.
wes.goode@vanderlande.com

Delivering Certainty®

**Denver International Airport
Request for Proposal No. 201204107
Operations and Maintenance Services
For the
Terminal Baggage Handling System**

Project # 1401662

COPY NO. 1



3 of 4

**Vanderlande Industries
Volume 3 - Execution of Service
Contract
Due: February 17, 2012**

Base Proposal

VANDERLANDE
INDUSTRIES

1. Volume 1 – Company Presentation
 - a. Chapter 1: Proposal Acknowledgement Letter
 - b. Chapter 2: Letter of Compliance
 - c. Chapter 3: Company Profile
 - d. Chapter 4: Constitution of Company
 - e. Chapter 5: Proposer's Service Contract References
 - f. Chapter 6: Letters of Recommendation
 - g. Chapter 7: Local/Regional Representation

2. Volume 2 – Disclosure of Legal and Administrative Proceedings and Financial Condition
 - a. Chapter 1: Disclosure of Legal and/or Administrative Proceedings
 - b. Chapter 2: Disclosure of Bankruptcy
 - c. Chapter 3: Disclosure of Debarment or Suspension Proceedings
 - d. Chapter 4: Disclosure of Partnership or Joint Venture
 - e. Chapter 5: Disclosure of Crime, Violation or Felony
 - f. Chapter 6: Dun & Bradstreet Identification Number
 - g. Chapter 7: Disclosure of Company Type
 - h. Chapter 8: Insurance Certificates

3. **Volume 3 – Execution of Service Contract**
 - a. **Chapter 1: Proposer's Project Organization**
 - b. **Chapter 2: Health, Safety and Environment Plan**
 - c. **Chapter 3: Maintenance and Quality Assurance Program**
 - d. **Chapter 4: Operational Approach and Innovation**
 - e. **Chapter 5: Proposed Suppliers**
 - f. **Chapter 6: Knowledge Transfer & Training Program**
 - g. **Chapter 7: Taking-Over Transition Plan**
 - h. **Chapter 8: Handing-Over Transition Plan**
 - i. **Chapter 9: Failure Management**
 - j. **Chapter 10: Special Tools**
 - k. **Chapter 11: Proposer Certifications**
 - l. **Chapter 12: Templates/Forms**

4. Volume 4 – Financial Proposal
 - a. Chapter 1: Proposal Acknowledgement Letter, Attachment 2, Part 1
 - b. Chapter 2: Certificate of Non-Collusion
 - c. Chapter 3: Certification of No-Conflict of Interest
 - d. Chapter 4: Pricing
 - e. Chapter 5: Additional Work Hourly Rates

Denver International Airport

Operations and Maintenance Services for the Terminal Baggage Handling System

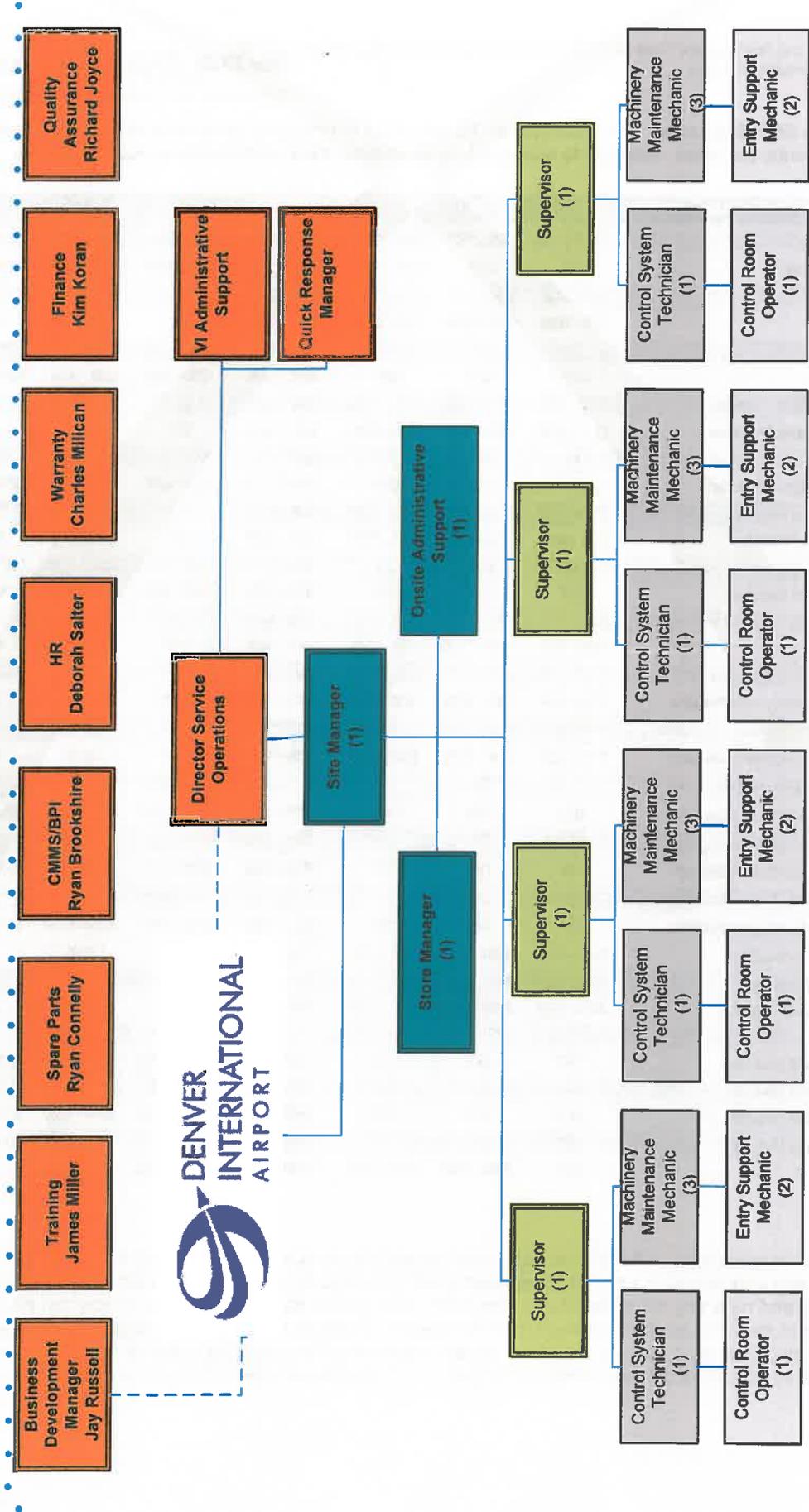
Volume 3: Execution of Service Contract

1	Proposer's Project Organization
2	Health, Safety, and Environment Plan
3	Maintenance and Quality Assurance Program
4	Operational Approach and Innovation
5	Proposed Suppliers
6	Knowledge Transfer & Training Program
7	Taking-Over Transition Plan
8	Handing-Over Transition Plan
9	Failure Management
10	Special Tools
11	Proposer Certifications
12	Templates/Forms

CHAPTER 1: PROPOSER'S PROJECT ORGANIZATION

- Insert org chart/staffing schedule/resumes

Vanderlande Industries Onsite Team and Corporate Support



Example Shift Schedule: The schedule will be optimized to meet the operational needs and the system requirements; therefore, making this example fully adjustable and customizable to your operation.

Title	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Site Manager	OFF	0900 - 1800	0900 - 1800	0900 - 1800	0900 - 1800	0900 - 1800	OFF
Office Manager	OFF	OFF	0700 - 1600	0700 - 1600	0700 - 1600	0700 - 1600	OFF
Supervisor	0000 - 1230	0000 - 1230	0000 - 1230	0000 - 0600	OFF	OFF	OFF
Supervisor	1200 - 0030	1200 - 0030	1200 - 0030	1200 - 1800	OFF	OFF	OFF
Supervisor	OFF	OFF	OFF	0600 - 1200	0000 - 1230	0000 - 1230	0000 - 1230
Supervisor	OFF	OFF	OFF	1800 - 2400	1200 - 0030	1200 - 0030	1200 - 0030
Control Systems Technician	0000 - 1230	0000 - 1230	0000 - 1230	0000 - 0600	OFF	OFF	OFF
Control Systems Technician	1200 - 0030	1200 - 0030	1200 - 0030	1200 - 1800	OFF	OFF	OFF
Control Systems Technician	OFF	OFF	OFF	0600 - 1200	0000 - 1230	0000 - 1230	0000 - 1230
Control Systems Technician	OFF	OFF	OFF	1800 - 2400	1200 - 0030	1200 - 0030	1200 - 0030
Control Room Operator	0000 - 1230	0000 - 1230	0000 - 1230	0000 - 0600	OFF	OFF	OFF
Control Room Operator	1200 - 0030	1200 - 0030	1200 - 0030	1200 - 1800	OFF	OFF	OFF
Control Room Operator	OFF	OFF	OFF	0600 - 1200	0000 - 1230	0000 - 1230	0000 - 1230
Control Room Operator	OFF	OFF	OFF	1800 - 2400	1200 - 0030	1200 - 0030	1200 - 0030
Machinery Maintenance Mechanic	0000 - 1230	0000 - 1230	0000 - 1230	0000 - 0600	OFF	OFF	OFF
Machinery Maintenance Mechanic	0000 - 1230	0000 - 1230	0000 - 1230	0000 - 0600	OFF	OFF	OFF
Machinery Maintenance Mechanic	0000 - 1230	0000 - 1230	0000 - 1230	0000 - 0600	OFF	OFF	OFF
Machinery Maintenance Mechanic	1200 - 0030	1200 - 0030	1200 - 0030	1200 - 1800	OFF	OFF	OFF
Machinery Maintenance Mechanic	1200 - 0030	1200 - 0030	1200 - 0030	1200 - 1800	OFF	OFF	OFF
Machinery Maintenance Mechanic	1200 - 0030	1200 - 0030	1200 - 0030	1200 - 1800	OFF	OFF	OFF
Machinery Maintenance Mechanic	OFF	OFF	OFF	0600 - 1200	0000 - 1230	0000 - 1230	0000 - 1230
Machinery Maintenance Mechanic	OFF	OFF	OFF	0600 - 1200	0000 - 1230	0000 - 1230	0000 - 1230
Machinery Maintenance Mechanic	OFF	OFF	OFF	0600 - 1200	0000 - 1230	0000 - 1230	0000 - 1230
Machinery Maintenance Mechanic	OFF	OFF	OFF	0600 - 1200	0000 - 1230	0000 - 1230	0000 - 1230
Machinery Maintenance Mechanic	OFF	OFF	OFF	0600 - 1200	0000 - 1230	0000 - 1230	0000 - 1230
Machinery Maintenance Mechanic	OFF	OFF	OFF	0600 - 1200	0000 - 1230	0000 - 1230	0000 - 1230
Machinery Maintenance Mechanic	OFF	OFF	OFF	0600 - 1200	0000 - 1230	0000 - 1230	0000 - 1230
Machinery Maintenance Mechanic	OFF	OFF	OFF	0600 - 1200	0000 - 1230	0000 - 1230	0000 - 1230
Machinery Maintenance Mechanic	OFF	OFF	OFF	0600 - 1200	0000 - 1230	0000 - 1230	0000 - 1230
Entry Support Mechanic	0000 - 1230	0000 - 1230	0000 - 1230	0000 - 0600	OFF	OFF	OFF
Entry Support Mechanic	0000 - 1230	0000 - 1230	0000 - 1230	0000 - 0600	OFF	OFF	OFF
Entry Support Mechanic	1200 - 0030	1200 - 0030	1200 - 0030	1200 - 1800	OFF	OFF	OFF
Entry Support Mechanic	1200 - 0030	1200 - 0030	1200 - 0030	1200 - 1800	OFF	OFF	OFF
Entry Support Mechanic	OFF	OFF	OFF	0600 - 1200	0000 - 1230	0000 - 1230	0000 - 1230
Entry Support Mechanic	OFF	OFF	OFF	0600 - 1200	0000 - 1230	0000 - 1230	0000 - 1230
Entry Support Mechanic	OFF	OFF	OFF	0600 - 1200	0000 - 1230	0000 - 1230	0000 - 1230
Entry Support Mechanic	TBA	OFF	OFF	0600 - 1200	0000 - 1230	0000 - 1230	0000 - 1230
Store Officer	OFF	0900 - 1800	0900 - 1800	0900 - 1800	0900 - 1800	0900 - 1800	OFF

The main responsibility of the site manager and supervisors is to plan for the schedule to meet the high volume requirements of the airport. The volume will be analyzed and staff will be scheduled to meet the reliability and reporting KPI's identified in the RFP. This means that the staffing schedule can and will be adjusted to meet the operating demands of the system. Furthermore, the site manager, office manager, and stores officer must balance their work schedules to meet the operating needs of the system, which means they may work different variations to adjust for the different peaks during the operating season.

- The stores operation will be operated on a 24/7 schedule, with access granted to only a select few individuals (stores officer, site manager, supervisors). All stores activities will be tracked and available using the CMMS.

- In the event that system incurs a situation where we are forced to manually move baggage we will work diligently to uphold the integrity of the baggage operation. This means that we have to enlist a few, if not all of the following strategies to be prepared for a situation which requires manual movement of the baggage operation.
 - Staff call-in procedures, which can bring in a few employees to assist
 - All employees engaged to assist
 - Contingency plans built with the airport and airlines, which can be tested to improve as required before the need arises.
 - Preset agreements with skycap services or temp companies to supplement



3. CHAPTER 3: Maintenance and Quality Assurance

- a. Maintenance Program Philosophy**
 - i. Maintenance Methodology**
 - ii. Predictive Maintenance**
 - iii. Corrective Maintenance**
- b. Preventive Maintenance Intervals**
- c. Continuous Improvement**

MAINTENANCE AND QUALITY ASSURANCE PROGRAM

MAINTENANCE PROGRAM PHILOSOPHY

Vanderlande Industries maintenance philosophy is based on total asset management with a focus on three primary goals:

1. Maximizing System Availability
2. Decreasing the Total Cost of Ownership
3. Extending the Useful Life of Equipment

The methodology to attain the above goals is detailed in section 3.1.2 of this proposal, but can be best summarized by Benjamin Franklin's famous saying, "An ounce of prevention is worth a pound of cure". This statement was actual advice given to the residents of Philadelphia to promote fire prevention as a means of minimizing economic loss due to fire damage. Ironically this statement applies to Vanderlande Industries approach to maintenance in more ways than one.

1. Vanderlande focuses on preventive and predictive maintenance rather than "firefighter" maintenance.
2. Proper preventive and predictive maintenance minimizes economic loss such as the cost of unplanned downtime or premature equipment failure.

Our total asset management philosophy is only attainable by utilizing a comprehensive CMMS such as Maximo®. Maximo® is the CMMS that has the flexibility to log all maintenance activities and the reporting capabilities to present actionable data to continuously improve our maintenance operation during the life of the BHS.

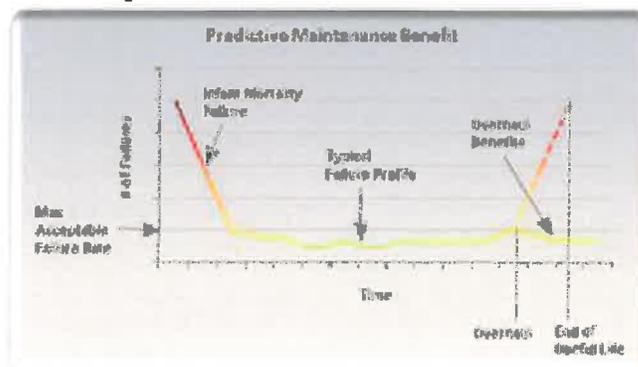
Maintenance Methodology

We categorize maintenance into three main functions: Preventive, Predictive and Corrective maintenance.

Preventive Maintenance

- Identifying and correcting potential problems before they cause a system shutdown.
- Our well-managed preventive maintenance system identifies faulty mechanical components shortly after the point in their life where mechanical noise, heat or vibration becomes apparent.
- Once identified, the components are scheduled for replacement during low or no volume hours so that operations are not impacted.
- VI will evaluate all equipment removed due to predictive maintenance and any equipment that is operating within specification tolerance or can be repaired/adjusted to operate within specification tolerance will be returned to the spare parts inventory for reuse in the BHS.

Figure 3.3.1 Benefit of Predictive Maintenance



Predictive Maintenance – Mechanical

- Equipment components have a given life cycle (see Figure 3.3.2).
- Predictive maintenance is the activity wherein an analysis of each component is made to predict when they will reach the end of their life.
- We will generate a replacement program that to replace components before they fail in operation.

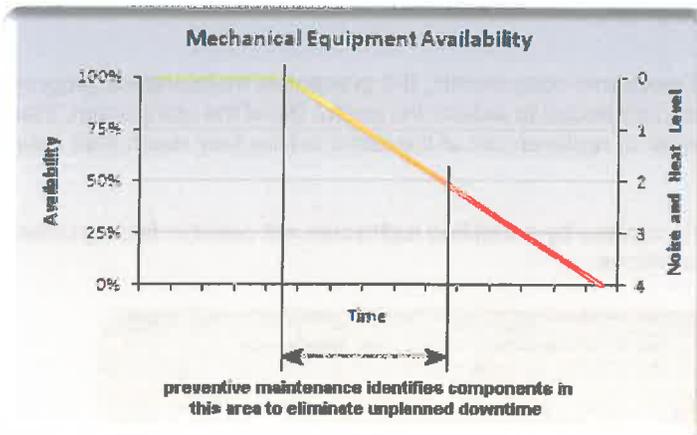


Figure 3.3.2
Mechanical Equipment Availability
 Time

Predictive maintenance consists of the following items for mechanical components:

- Testing operation of mechanical and pneumatic components
- Lubrication of revolving parts (as needed)
- Temperature analysis (thermal imaging)
- Vibration analysis
- Adjusting and tensioning of timing belts and chains
- Tracking and tensioning of belts
- Periodic cleaning of accumulated dust (as-needed basis)
- Repair of minor imperfections (e.g. loose hardware)
- Checking safety covers

Corrective Maintenance

- All activities related to correcting items that failed, are damaged or are identified as candidates for replacement through either preventive or predictive maintenance.
- Corrective maintenance considered the highest priority.
- Corrective maintenance, if not part of a preventive or predictive cycle, can be detrimental to operations if part of or an entire system is rendered inoperative during the repair.

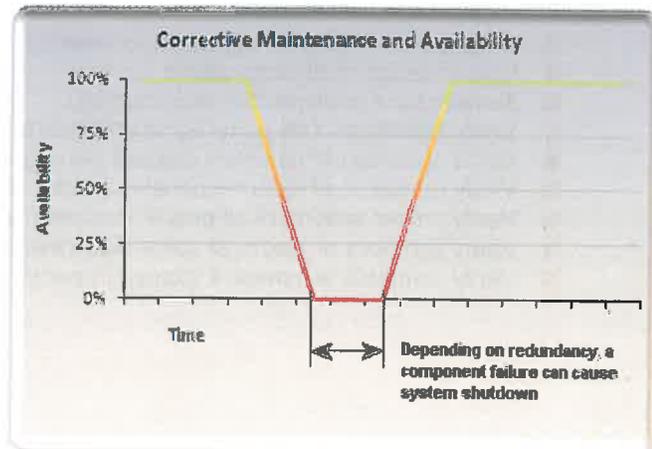


Figure 3.3.3 Corrective Maintenance and Failure

Predictive maintenance – Electrical and Controls

- Figure 3.4 shows the availability of an electrical or electronic component as it approaches and reaches the end of its useful life.
- Most electrical/electronic components do not give early warning that they are nearing their end of life cycle.
- In the case of electrical and electronic components, the preventive maintenance program relies more on performing tasks recommended to extend the useful life of the component, then proactively managing the repair or replacement of the items before they reach their estimated life expectancy.
- The use of a thermal imaging camera by a certified technician will assist in finding potential issues before they affect operations.

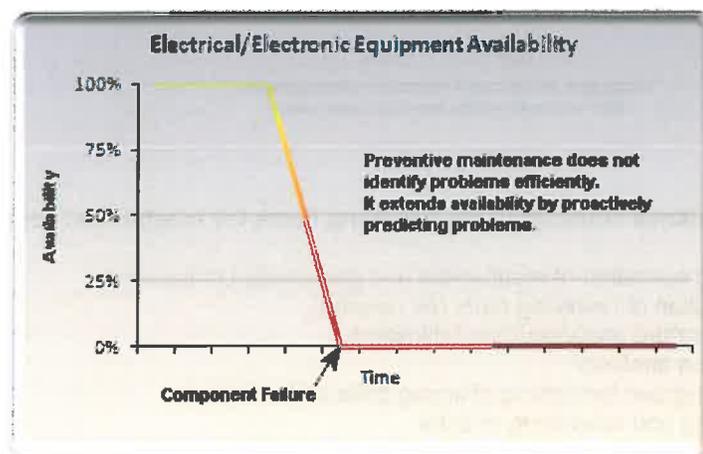


Figure 3.3.4 Electrical Equipment Availability over Time

Predictive maintenance consists of the following items for electrical components:

- Clean panel air filters, replace as necessary
- Clean interior of all loose debris
- Temperature analysis (thermal imaging)
- Verify operation of all panel lights and indicators (interior and exterior)
- Verify operation of all safety devices (emergency stop switches, interlocks, etc.)
- Verify operation of external panel-mounted devices (switches, pushbuttons, etc.)
- Verify proper seating of all plug-in devices (relays, modules, etc.)
- Verify tightness of electrical quick-disconnects (interface plugs, etc.)
- Verify complete schematics located in panel

Preventive Maintenance Servicing Frequencies and Requirements

All activities will be performed as per Vanderlande Industries and/or OEM recommendations. Detailed preventive maintenance checklists will be uploaded in the Maximo® CMMS.

The following table gives an overview of the preventive maintenance intervals:

Table 3.3.5: Preventive Maintenance Interval

Component	PREVENTIVE MAINTENANCE INTERVAL				
	Daily visual walk through	Daily cleaning	Weekly cleaning	30 days	90 day intrusive inspection
Bearings	✓			✓	✓
Clutch/Brakes	✓			✓	✓
Motors	✓			✓	✓
Gear Box	✓			✓	✓
V-Belt Chain	✓			✓	✓
Pulley/Sprocket	✓			✓	✓
Conveyor Belts/Pulley	✓			✓	✓
Encoder	✓			✓	✓
Power Turn	✓			✓	✓
Transport Conveyor	✓		✓	✓	✓
Queue Conveyor	✓		✓	✓	✓
Vertical Sorters	✓		✓	✓	✓
Diverters	✓		✓	✓	✓
Merges	✓		✓	✓	✓
Make Up Units	✓		✓	✓	✓
Tag Readers	✓	✓		✓	✓
Motor AMP Readings	✓			✓	
Lubrication	✓			✓	✓

Quality Assurance Plan & management System

Quality Management System (QMS)

Vanderlande Industries has established a Quality Management System (QMS) which contains the roadmap for how we mobilize an O&M team onsite and for how we execute day to day once fully mobilized. This road map contains our standards and guidelines in the areas of maintenance, operations, safety, and contingency planning. All QMS procedures are audited at least once a year. The audit findings are reviewed with the executive team, evaluated for improvements, and aimed at Delivering Certainty®. The QMS is available for review by DEN and its stakeholders at any given time.

Ensuring Quality Control and Managing Subcontractors

The Work Plans are designed and implemented to target the operating system. Audits, by the site supervision, will ensure that Daily Walkthroughs are thorough and properly completed. The management will be inspecting different parts of the system, which will hold the supervisors accountable for the results of the inspection and completion. Our goal is to ensure that the quality is upheld and that our subcontracting partners will be held to the same stringent quality control standards as our own internal team. MAXIMO[®] Computer Maintenance Management will also be used by our Site Management to actively reference performance history per shift and subcontractor responsibility.

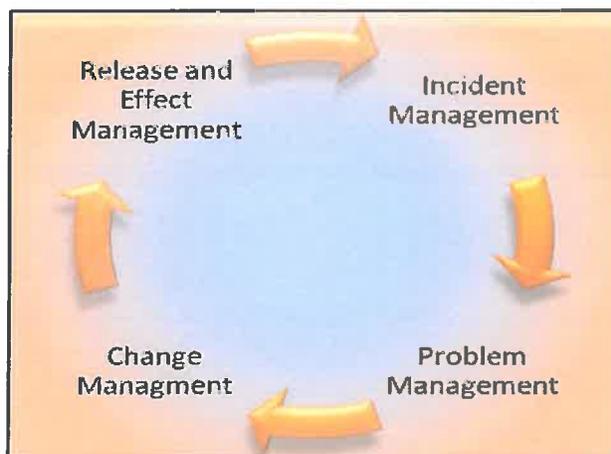
Minimum Staff coverage will be maintained to ensure that we provide 24/7 operational covers.

Continuous Improvement

To improve the performance of the system the Maintenance team will generate improvement plans.

The improvement plans are based on the Incident – Problems – Change – Release and Effect cycle.

Table 3.3.6: Continuous Quality Improvement Process



- Incidents, which can be related to preventive, corrective maintenance, spare parts supply or operation, are logged by the Maintenance team with their causes.
- Incidents are categorized and analyzed by the General Manager.
- Based on these analyses problems can be defined and the Manager will set up change proposals together with the technicians.
- The change proposals can have an effect on the BHS, the maintenance team, the bag handlers or the airlines.
- Vanderlande Industries will submit the change proposals to you.
- These change proposals will be evaluated, and approved by you and implemented via the change management process.
- Via the release and effect management the results of the change will be evaluated. Once the targets are met the change will be secured with the system confirmation documentation and/or working procedures.

Staffing Schedule Development through Preventive/Predictive Practices

Our service experience spans the globe, and we support some of the world's most notable airports. We want the opportunity to work with you, and you can trust that our site management remains in constant dialogue discussing successes, as well as failed attempts to drive down cost and promote efficiencies. We have built proprietary tools that we will share with you, so that you will gain a solid understanding of how we develop the most effective shift coverage for our preventive/predictive focused programs.

Managing Subcontractors and Ensuring Quality Control

The subcontracting partners will be held to stringent quality control standards just the same as our own internal team. Through the use of MAXIMO® Computer Maintenance management, we will be able to actively reference performance history per subcontractor responsibility. In addition to MAXIMO®, Business Process Intelligence (BPI) Software can also be used to analyze staff effectiveness. Denver International Airport will have the ability to reference any performance results from any given day or time. Our aim is to build your trust by having complete transparency and delivering continuous improvement processes to drive down cost and increase system optimization.

- 4. CHAPTER 4: Operational Approach and Innovation**
 - a. Preventive Maintenance Strategy**
 - b. Key Performance Indicators**
 - c. Energy Management & Methods**
 - d. Unique Qualifications**
 - i. Business Process Intelligence (BPI)**
 - ii. High Capacity Diverter (HCDII)**
 - iii. IPAD Remote Monitoring**
 - iv. International Steering Committee**
 - v. Maximo® CMMS**

CHAPTER 4: OPERATIONAL APPROACH AND INNOVATION

We have developed a unique methodology that is based upon more than 60 years of experience (30 of which are Services) providing turnkey baggage handling systems with over 500 systems installed and our continuous commitment to innovative engineering and quality products. We are committed to helping you increase your operating availability, while reducing your overall costs associated with equipment breakdowns and unplanned downtime.

- Our goal is to provide assurance to you by making an impact through preventive maintenance, cleanliness, spare parts management and reporting.

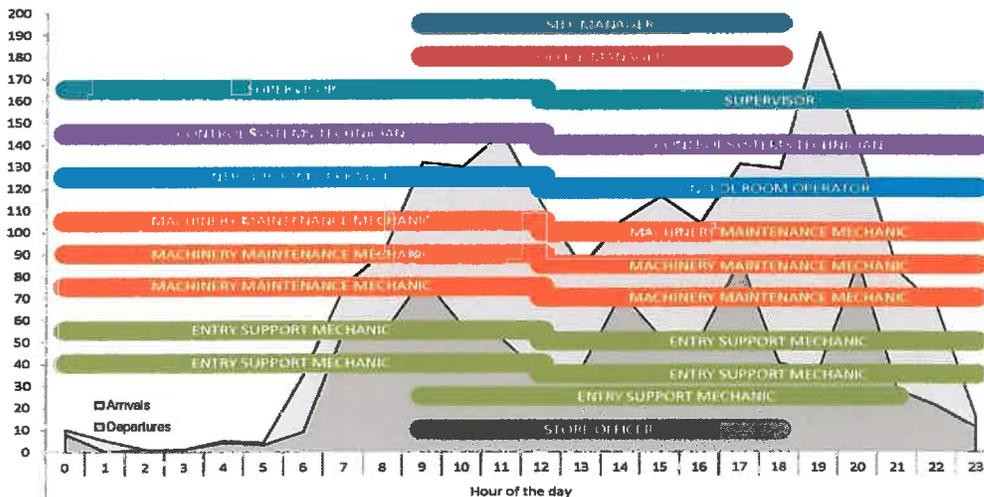
We believe that true success with any Maintenance program relies on consistent and open communication. It is our experience that you will deal with customer issues every day. We have many examples ranging from having to work different hours to manually moving bags for reasons outside of our control. It is how you handle the situation that sets yourself apart from others. Working with Vanderlande Industries, you will see that our "partnership" approach will be second to none.

Our operational approach also begins with people. We will seek to retain most if not all of your current talents to ensure continuity; however, we aim to develop and enhance your technicians into one of the most highly skilled onsite teams from within the airport systems industry. Vanderlande Industries brings distinct advantages to meeting the CCD's critical airport system needs. Here is what you can expect from Vanderlande as an O&M provider:

- **Most effective Coverage Staffing built on 30 years of service**
- **Lowest possible exposure to risk due to preventive maintenance**
- **We do not tolerate mediocre service performance. Instead, we always aim to provide a reliable and safe operating environment built on sound maintenance procedures.**
- **We strive to enhance the manufacturers' recommendations, so that your coverage, inspections, and results will mitigate the risk of potential and existing problems.**

Our **preventive maintenance strategy** involves directing available resources to the right areas, at the right times, with the necessary knowledge to do the job right. Maintenance can be split into various categories, from reactive to predictive, each of which has its place in any operation. The maintenance plan for your operation will be very proactive and it will operate on the coverage below.

Figure 3.4.1 **Flights and Personnel Coverage**
(sample day Tuesday)



Our philosophy is to do whatever it takes to keep the system processing baggage, so you can expect minimal system downtime because incidents will be quickly addressed and resolved effectively.

We Aim to Provide Solutions

- We will address and solve deficiencies in the performance of the system.
- We will enhance the cleanliness of the system.
- We will operate with complete transparency
- We will make sure scanners & photo eyes are clean to accurately read tags and maintain tracking
- We will ensure that your spare parts will be managed professionally
- As a manufacturer, we have the ability to **conduct system simulations** that analyze the volume of your operation; therefore, allowing reconfiguration strategies and efficiencies to enhance your operation.
- Our strategic partnership will lead to the lowest total cost of ownership
- **Global experience transcends typical maintenance.**
- We have substantial global and local (see Buffalo Reference) expertise operating and maintaining Siemens' equipment, technologies, and controls.
- Our preventive maintenance techniques, staffing plan, and training platforms will increase system performance.
- We will seek to retain the current team members on-site, and enhance the local knowledge and site expertise they have attained by implementing our philosophy
- We understand the importance of proper maintenance and that on-time baggage delivery is vital to travelers' satisfaction level and the image of the airport and you the airlines.
- We view complete transparency and open communications as cornerstones of our services.

We will partner with you to implement a strategy to stabilize the operation, through proper preventive maintenance and improved system cleanliness.

Our operational approach delivers a preventive maintenance program built to address all of your system requirements by meeting the following elements of your scope of services:

Key Performance Indicators

Exceeding your Key Performance Indicators (KPIs) is an extremely important goal of ours. We want to make sure that maintenance and system reliability performance are continuously measured and achieved.

To add to the challenge, you have a 24/7 operation. Your operation has very minimal downtime, and a planned strategy must be in place. Obviously, accurately prioritizing and planning maintenance to maintain reliability is absolutely critical to the survival of your operation and Vanderlande Industries is well positioned to help you by offering the on-site support and consultancy that will further develop a complete, reliability-based maintenance program. Our world-wide customer base and level of industry experience means that we have the knowledge and resource available to assist you and your growing airport. We hope to be able to share and apply best practices to all aspects of your operations, to get the maximum performance for the minimum cost and reduce unexpected failures.

We will measure and comply with your Key Performance Indicators (KPIs) outlined in the RFP for system maintenance and reliability performance. The RFP KPI compliance tasks and levels will be followed.

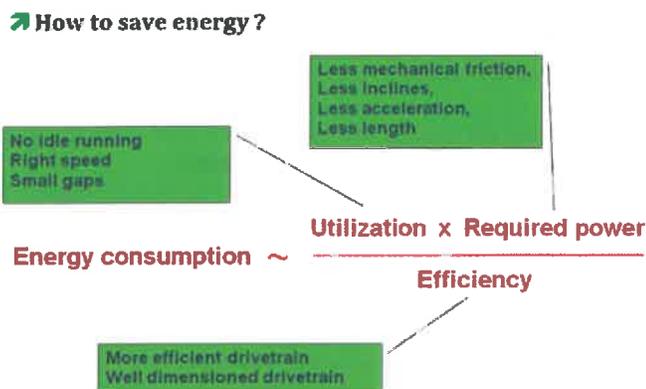
- Benchmarking of the system will begin from Day 0, which will require a minimum stand down period of 30 Days minimum on performance KPI's.
 - We need time to inspect and analyze the current system status, which will help to gauge the level of performance and allow us to determine and devise strategy to uphold or enhance the current level of operation.
- Maintenance issues, response time, and work plans should be from day 0.
- After the stand down period, we feel that the KPI's can be met.

ENERGY MANAGEMENT & METHODS

Vanderlande Industries is committed to partnering with you to analyze, develop and implement an Energy Management and Efficiency program that will reduce your overall energy consumption over the life of our contract. As an OEM of baggage handling equipment, we understand your equipment and technologies to such a great detail that we will drive a substantial reduction in energy consumption by taking into account the main contributors of energy waste.

Our proven method to deliver energy-efficiency is based on the following analysis:

Figure 3.4.3
 Energy Consumption
 Calculation

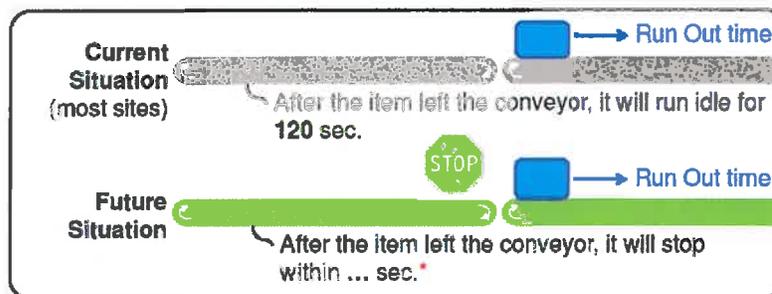


Fine Tune (Implement) Energy Savings

➔ **Analysis of Run Out time on controls (PLC + FSC)**

- o Belt conveyors often run idle (without baggage on belts), so we will target strategies to stop the belt sooner once items/baggage is not present.

Figure 3.4.4
 Run time
 Adjustments



➔ **Belt Tension Optimization Unit**

- o Design optimization program taking into account dimensions specific conveyor.
- o 0.1% excess strain of belts = +10% of Energy Consumption
- o Expected Savings = 10%

➔ **Energy Efficient Motors + Gearbox**

- o Implement High Efficiency Components to increase efficiency
- o Payback = 0.5-2 yrs... when worn out/broken motors are replaced
- o May require repositioning of photocells and motor settings.

Gearbox type:

- **Worm (S):** Efficiency depends upon rotation speed
- **Cone (K):** Best efficiency, independent on rotation speed

UNIQUE QUALIFICATIONS & INNOVATIONS

1. Business Process Intelligence (BPI)

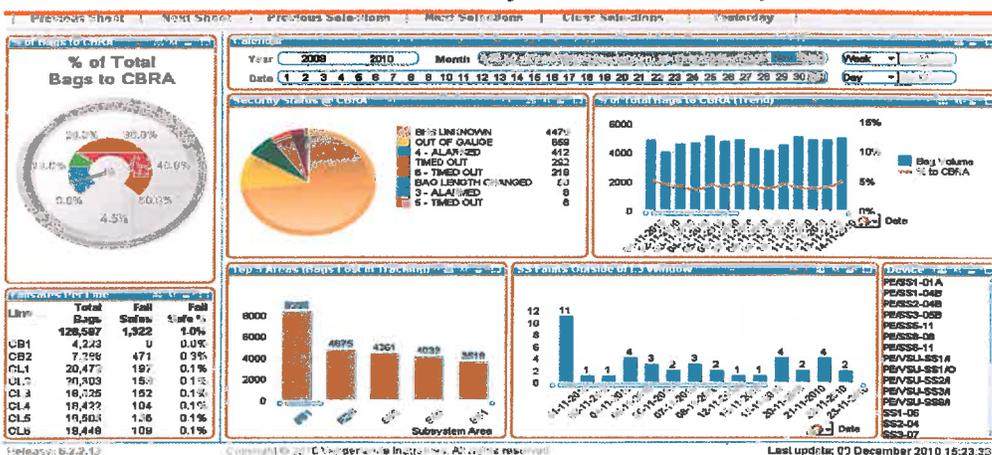
BPI will provide you with a fully customizable, performance Dashboard complete system transparency necessary to gauge our performance efforts and drive continuous process improvement. Our price will include the hardware, software, and support from a site level, not from a VPN connection.

- **BPI = Instant BHS Information and Metrics.**
- **No chasing your vendor down for reports or statistics.**
- **Gone are the days of multiple requests for system information.**

BPI is also a relationship management tool for communicating

- Fault Recognition, Process Overview, Bag Hygiene, Demonstrates Good Performance
- Lifetime Data Storage and History (i.e. Transparency) – BPI saves your information daily, monthly, and yearly to track continuous improvement

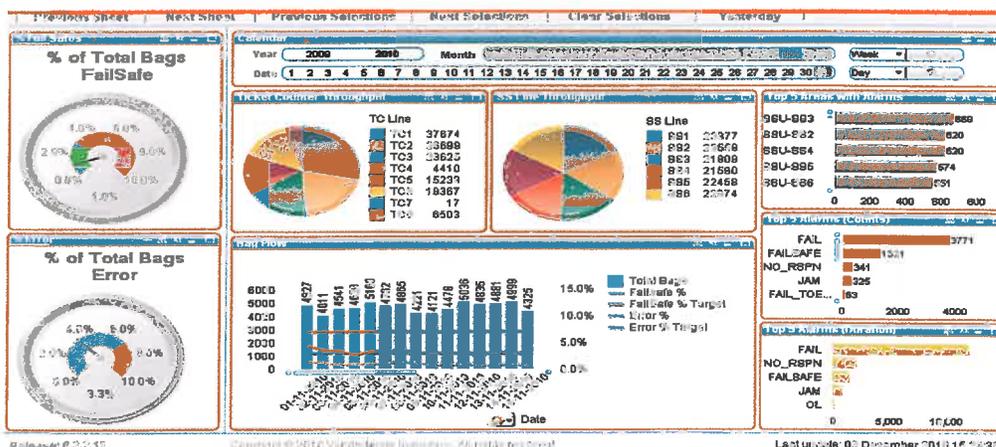
Figure 3.4.5 BPI Security Performance Example:



Your new Current Daily Report will include:

- Fully Customizable Document built on your Key Performance Indicators (KPIs)
- Trending Capabilities to Demonstrate Process Improvements
- Complete Transparency of Performance in near real-time

Figure 3.4.6 BPI Daily Report: Click mouse to expand any table.



BPI Implementation Schedule Tasks: The final schedule depends on the exact configuration of the current system. The chart below relates to the key tasks that past installations have required:

BPI Implementation Tasks

Identify Reporting Requirements
work with Customer to determine report content
determine report format, content
confirm availability of data
write specifications
Develop Detailed Implementation Plan
write implementation plan
write test procedures
write contingency plan
Program BPI
Write Communication Manager Scripts
create Dimensions & Datamarts
write QlikView Developer scripts
design QlikView Designer reports
Implement BPI
setup BPI onsite
execute test procedures
Go Live
Go Live with BPI

(1) High Capacity Diverter II (HCDII)

The state-of-the-art HCDII is effective with minimal impact on baggage.

- ✓ **Free inclusion & installation of (1) HCDII w/ contract**
- ✓ **Free (5) year warranty on parts and labor.**
- ✓ Maintains baggage presentation
- ✓ Adjustable belt speed ensures bag speeds are maintained
- ✓ 60 bags per minute
- ✓ Less maintenance required



Single Arm = No Jam Points

Figure 3.4.7 HCDII

➤ Apple® IPAD REMOTE MONITORING

VIBES.MOM allows you to remotely monitor your baggage system control room, so you can check on the status of your operation without having to call or physically visit the control room.

- The technology will not replace your Control Room Operator, but it will add another layer of operational overview and support for you and the on-site staff.
- Easier Reporting Tool to have instant reports and access



Figure 3.4.8 IPAD Screen

➤ INTERNATIONAL STEERING COMMITTEE

International Steering Committee – strategic steering and setting of future goals and aspirations of and for the business.

- Denver International Airport would become part of our global steering committee
- Drive Innovation & Operations Strategies.

Annual hosted work sessions to discuss industry and technology



Figure 3.4.9 International Steering Committee

MAXIMO[®] CMMS

MAXIMO[®] Asset Management is the computerized maintenance management system (CMMS) we implement to help assist you in the effective and efficient management of your assets and maintenance tasks.

Benefits of Maximo[®]:

- Resource Optimization
- Preventive Maintenance Plan Optimization
- Just In Time Inventory Control
- Total Cost of Ownership Calculations
- Reduce Operating Cost
- Increase Uptime
- Custom Reporting
- Key Performance Indicator Dashboard
- Detailed Asset Analysis



Figure 3.4.10 Maximo[®] Architecture

Asset Management

The asset management module is utilized within Maximo to setup a location and asset hierarchy displayed in the figure below. The hierarchy allows a user to easily drill down into the organization of the BHS from the top level location down to the asset level.

Work Order Management

- Plans – useful for creating task list for repetitive work orders (i.e. PM's)
- Actual – recording of actual labor, materials, tools, & services
- Failure Reporting – provides detailed failure mode analysis of an asset upon completion of a work order.

KPI Dashboard

The KPI dashboard provides each user with key high level information pertinent to their job responsibilities. Below is a screen shot of the maintenance manager's Maximo[®] Dashboard:

OPERATIONAL REPORTS

1. Work Order Performance - Provides insight into the status of work scheduled over the previous 4 weeks, distribution of work among resources, ability to complete the work on time, etc.
2. Assets - Identifies the 5 assets in the BHS that required the highest total maintenance hours (PM + CM)
3. Crafts - Provides a breakdown of PM vs. CM labor hours for each skill set
4. Equipment Type - Identifies the labor and parts cost associated with each type of equipment (merges, curves, vertical sorters, etc.)

TOTAL COST OF OWNERSHIP REPORTING

The total cost of ownership report is a Microsoft Excel file which is set up in a pivot chart to provide flexibility in how the data is presented. The file includes three primary tabs for analysis purposes

- Top 10 Assets (labor cost)
- Top 10 Assets (parts cost)
- Total Cost of Ownership

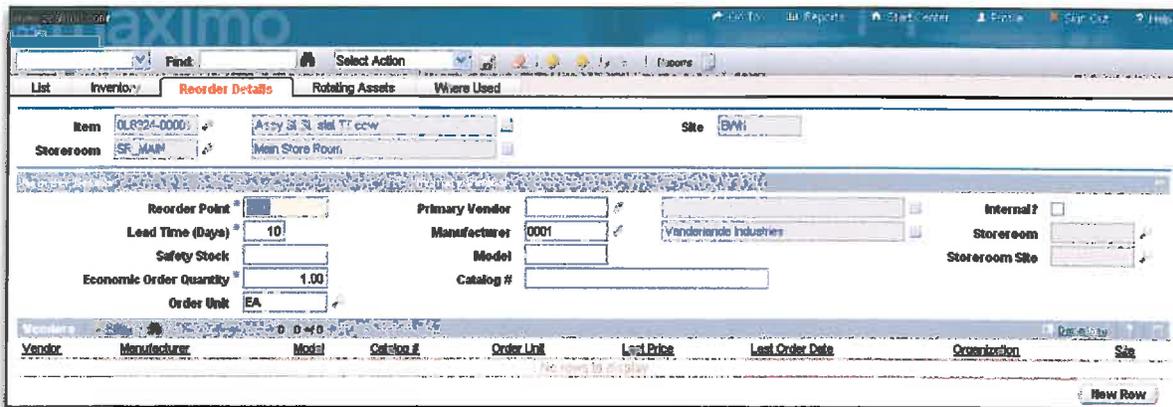
SPARES MANAGEMENT

- Vanderlande Industries is the world's largest purchaser of materials handling parts.
- **Spare parts at a 15-20% overall lower price** than any other company, due to our purchasing volume.

Regardless of how the CCD purchased spares, it is our job to manage your inventory. Our Maximo® CMMS provides you with the assurance that your spares inventory will be protected by documenting inventory control, historical parts usage, reorder points, safety stock, and lead time.

- MAXIMO® CMMS will ensure that parts are optimized; therefore, reducing your costs, because optimized stock levels ensure spares parts are available and usable.

Figure 3.4.11 Inventory Application



Inventory Optimization

- Vanderlande Industries monitors the parts consumption and uses that information
- We will optimize stock levels to reduce your spare parts costs
- All "real-time" spares records and history is instantly available in the Vanderlande Industries MAXIMO® CMMS.
- MAXIMO® CMMS will have each applicable spare part for each conveyor (asset) loaded with the appropriate shelf/bin where the part is stored.
- Vanderlande Industries has a strict policy regarding cleanliness, and your site will be clean!
- Storage locations are always organized. This helps our technicians work safe, while quickly being able to retrieve parts from stock.



Figure 3.4.12

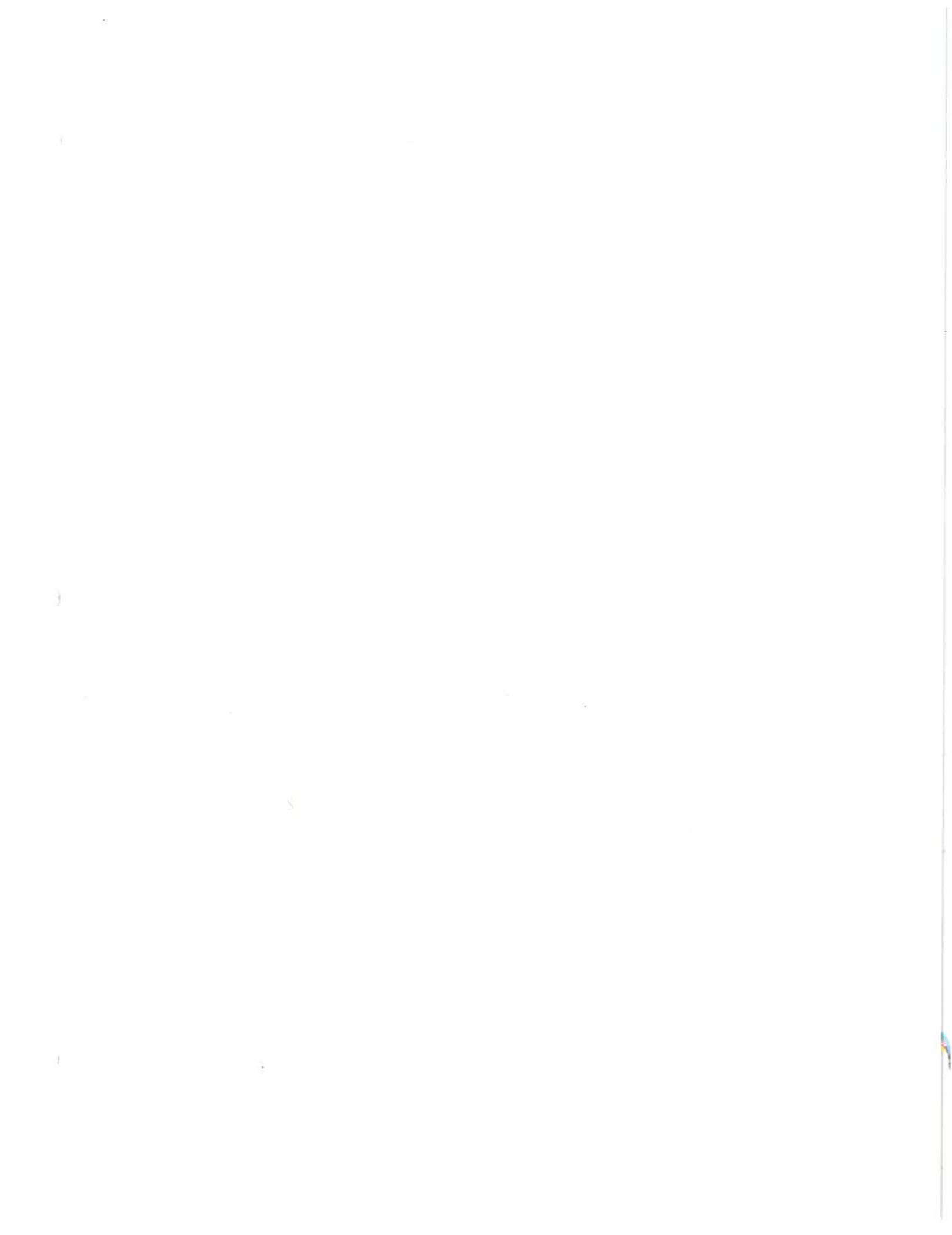


Figure 3.4.13

- 6. CHAPTER 6: Knowledge Transfer & Training Program**
 - a. Vanderlande Academy**
 - i. Classroom**
 - ii. Online**
 - iii. DVD**
 - iv. Hands-On Training**
 - b. Denver International Sample Training Syllabus**
 - c. Trainer's Resume**

7. CHAPTER 7: Taking-Over Transition Plan

- a. Monthly Milestones**
- b. Road Map to Success**



Transition Phase:

The Transition Phase is critical to successfully and seamlessly implementing and embedding a strategy and approach to change. Therefore, a well prepared transition plan is critical for any new contractor to quickly establish a plan on how to manage, mitigate risk and implement a day one operation which is classified as Business as Usual (BAU).

VI will approach not only this critical transition period but also the following eighteen months of service delivery in the form of a "Road Map to Success". Our plan will define key milestones and achievements by the on-site and supporting off-site teams to ensure a successful implementation of the new service contract which will be the foundation of service delivery for many years to come, building on a partnership and future valued added service to DIA.

During the three month transition period, Vanderlande will work closely on and off-site with our services team to continually audit, review, plan, and implement an effective transition phase

ROAD MAP TO SUCCESS



TRANSITION PHASE



- ✓ **Interview Incumbent Staff for Retention** will begin as soon as a new contract notice is issued by CCD. Our engagement will be done via a series of on-site "staff meetings" (assuming we have gained permission from CCD to hold these shop floor meetings at off-peak operational times) followed by further individual interviews off-site from DIA.

We have experience in this phase with employees who have been working on-site for another company. Our aim is to settle the workforce as quickly as possible, so that they continue to deliver the maintenance service while we establish our core team members to move forward into full employment with Vanderlande. This period of time will be very concerning for existing on-site personnel who will be nervous about their future employment and it will be our goal to ease concern and educate the staff on expectations and requirements.

- ✓ **Set up a local transition team** who will work with the exiting staff to establish clear lines of communication about our company, expectations, work philosophies, and opportunities of employment going forward under the new service contract.
- ✓ **Generate Offer Letters**
- ✓ **Background Checks**
- ✓ **Drug Testing**
- ✓ **Badging, Fingerprinting**
- ✓ **Establish Payroll Specifics with the State and ADP**
- ✓ **Establish Parking Procedures**
- ✓ **Order Standard Vanderlande Uniforms (under CCD approval)**
- ✓ **Issue Employee Handbooks**
- ✓ **Order Site Specific Personal Protection Equipment (PPE)**
- ✓ **Develop Safety Plan**
- ✓ **Develop Emergency Plan**

- ✓ **Maximo CMMS Integration of Spare Parts, Work Orders, and Shift Details**
- ✓ **Coordinate Internet, phone, vehicles, radios, etc..**
- ✓ **Shift Coverage Analyzed**
- ✓ **Site Manager On-Site**

Also during this transition period, VI will be developing its "Site Start up Strategy" which will ensure a day one operation which will be business as usual (BAU) with no degradation of service or operation within the delivery of the new BHS O&M contract.

Finally, during this transition period VI will carry out a basic Failure Effect Mode Criticality Analysis (FEMCA) study which is a quality audit of the equipment and spares to ensure there are no issues on day one. We will also establish a good understanding of current health & safety (H&S) behaviours and practices on-site as these studies will give VI time to work with the CCD prior to day one if there are any immediate concerns and correct them prior to Go Live.

NTP (DAY 1+) OF NEW CONTRACTED SERVICE



This will be the first day of the new contract, and the airport can expect that it will be business as usual. All the pre-transition phase work will come together here and deliver a seamless transfer of service for Day 1 operations.

- Increased managerial presence will be on-site for this period – first two weeks;
- Additional on-site support – technical support will come from other VI units worldwide which make up the quick response team (QRT);
- Working from day one in full service level agreement (SLA) and key performance indicator (KPI) mode will demonstrate and enforce the correct behavior going forward by the team, supervisors and managers;
- The management team will review the operation at least twice per day for as long as necessary, ensuring a stable operation is being maintained and picking up on early indicators or lessons learned;
- The QRT team will start to review potential training issues / hot spots / areas for improvement and will use this period to develop a robust in-house training program for those staff who need refresher training or for new starters who need more in-depth system and equipment training.
- Familiarization training will take place for any new starters (these may be in addition to the daily minimum manning levels and will be trained off line – not interfering with the daily operation at the airport).
- Maximo CMMS Integration
- Developing PM Routes
- Arrange Office/Spares Racking
- Setup Invoicing
- Detailed KPIs communicated and managed by Site Manager
- Publish Power Outage Plan
- Publish Contingency Plans
- Quality Assurance Plan Communicated and Implemented
- Finalize System Checklist based on OEM manuals
- Evaluate Risk Assessments
- Finalize Training Schedule

THREE MONTHS – SIX MONTHS



Our full organizational layout will be complete. Staff probationary periods are finished. Initial on-site start-up training completed for all of the staff – Technical and H&S. Working fully to all prescribed SLAs and KPIs with regular reviews with CCD.

Daily Dashboards on performance now are in full circulation.

- Bag flow information
- Maintenance performance
- H&S information
- New CMMS system (MAXIMO[®]) is fully populated and being used for corrective and planned maintenance
- Our gap analysis is completed on training needs for all staff including managers and supervisors
- The in-depth training needs analysis is completed in order to identify future staff training needs
- Regular staff meetings are to be held between managers / supervisors and staff.
- Occupational health set up and regular reviews with staff.

Introduction of specialist maintenance techniques such as:

- Thermography
- Vibration analysis
- Conditioned based – visual workplace inspections

Set up Global Steering Group sessions.

SIX MONTHS – 12 MONTHS



After three months of business as usual the following processes begin:

- In-depth study on technical specialist training
- Train a minimum of two BSA (baggage system analysts)
- Review “Green Opportunities” around energy savings, etc.
- Continue Training on basic processes which have been identified for improvement
- Track and report on continuous improvement techniques; technical, operational and fiscal.

Weekly “Key Learning” stakeholder group meetings should be set up and chaired by CCD.

- Looking at ways to improve the daily operation with the stakeholders
- Work on “input and output” of baggage processes

Review full spare parts management opportunities with CCD.

TWELVE MONTHS (YEAR-END REVIEW) TO EIGHTEEN MONTHS



- Full O&M review after completion of the first operational year
- Full balanced score card audit to be completed by CCD
- Complete staff appraisals with all staff having a detailed PDP (personal development plan)
- Review first year maintenance plan with CCD
- Full spares audit to be completed
- Full parts (E&M) obsolescence review to be completed and findings reported to CCD
- Report on all continuous improvement projects / programs and Green projects
- Global Steering Committee – strategic steering and setting of future goals and aspirations of and for the business.

EIGHTEEN MONTHS AND BEYOND

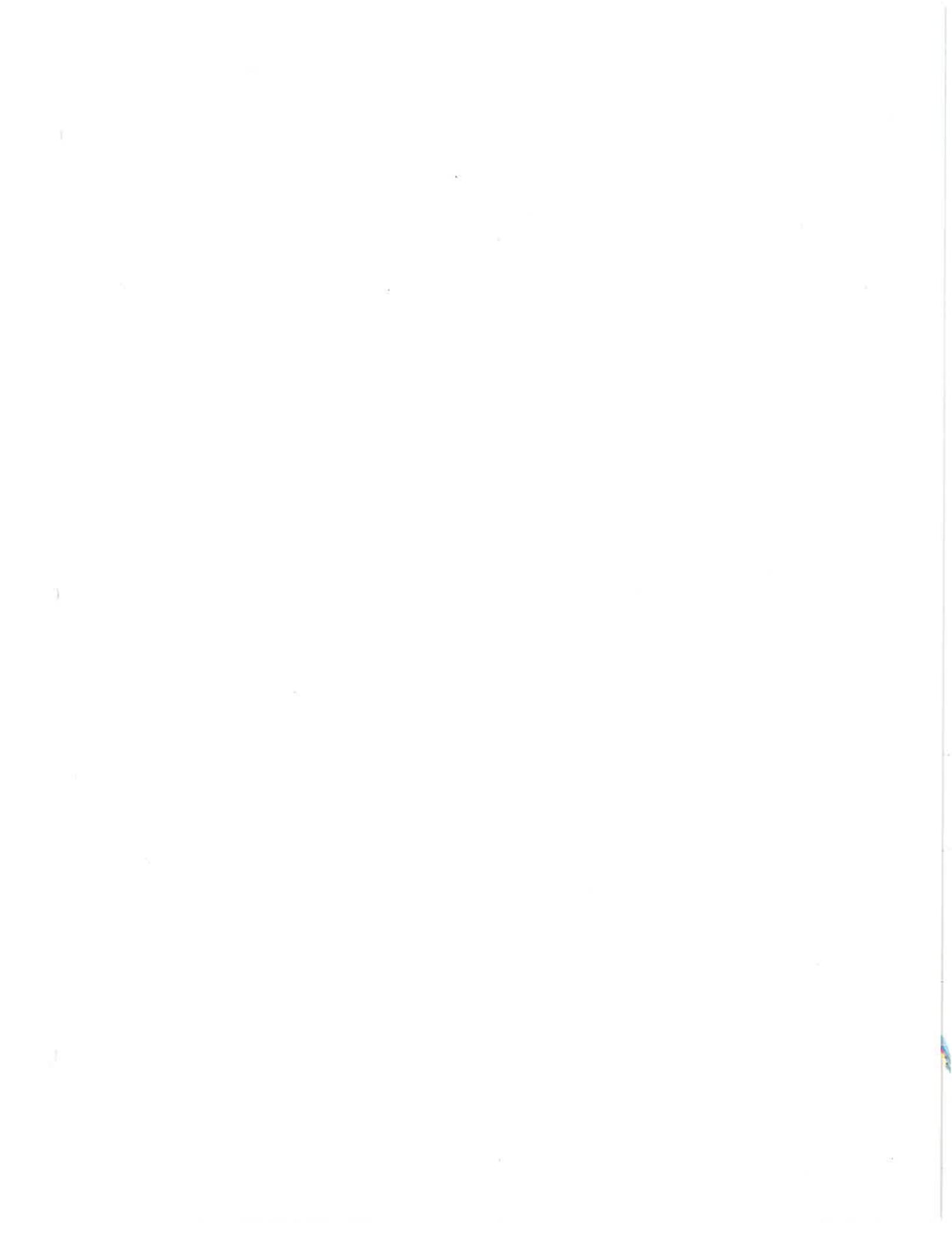


This will be the value added phase where Vanderlande Industries continues to optimize within the 3 Ps...

- ➡ People
- ➡ Process
- ➡ Plan

Working with enhanced processes on site, using a number of proved techniques to drive continuous improvement programs, staff development and close working relationships within the airline community will drive future efficiencies and operational excellence on-site.

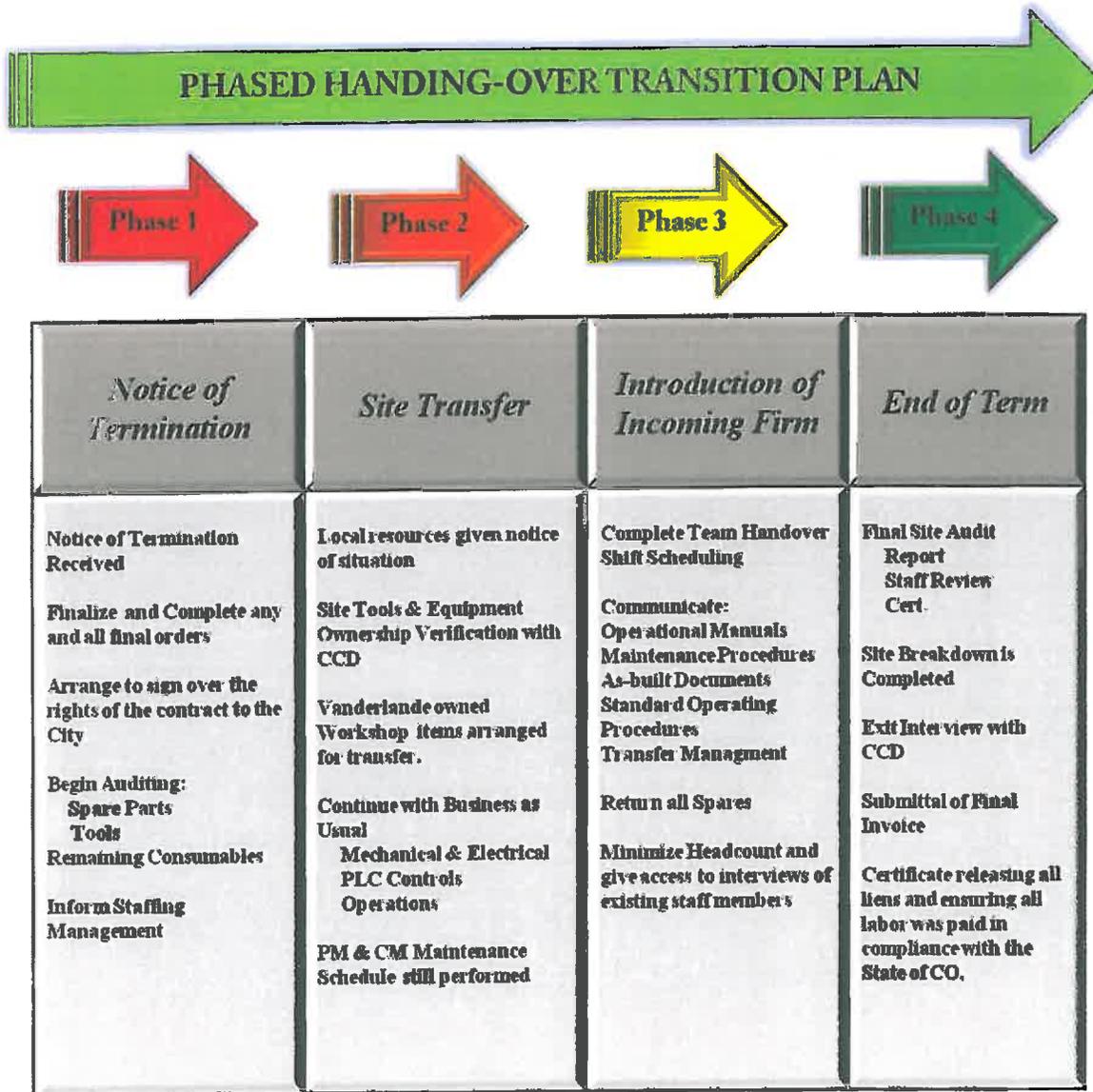
8. Chapter 8: Handing-Over Transition Plan



HANDING-OVER TRANSITION PLAN

It is our intention to remain serving as your long-term Operations & Maintenance (O&M) partner; however, if the City or the Airport decides to pursue other options then we also intend to provide a seamless service transition. This will be achieved through a phased strategy, similar to taking-over, which targets to minimize operational disruptions and ease the overall burden of change.

Below is an example of the key milestones and deliverables. Obviously, the strategy is easily adaptable; however, the primary tasks of transitioning site-based resources and contracts shall remain consistent.



- 9. Chapter 9: Failure Management**
 - a. Contingency Plans**
 - b. Troubleshooting Methodology**
 - c. Failure Mode Analysis**

FAILURE MANAGEMENT

Vanderlande Industries' failure management program is comprised of three primary components

- 1) Contingency Planning
- 2) Trouble Shooting Methodology
- 3) Failure Mode Analysis

Contingency Plans

Our contingency plan provides step-by-step guidelines for successfully operating the BHS or moving baggage from the ticket counters to the baggage tug cart areas while different subsystems are inoperable. For many instances it will be necessary for the baggage handling personnel, supplied by VI, to load bags at various input lines; that is, moving bags to lines that are operational from those that are not. Other cases will require baggage handling personnel to manually move bags already introduced into the affected system from the last operational conveyor to the next operational conveyor downstream of the fault and thereby bypassing the faulted conveyor(s). Whatever the case, all efforts will be made to mitigate the disruption created by these system failures.

Our contingency plan will address the both operational failures (i.e. failsafes, jams, & missing bag) and system failures (i.e. power, plc, subsystem, & fire alarm recovery).

Below is an example of a contingency plan for a subsystem failure:

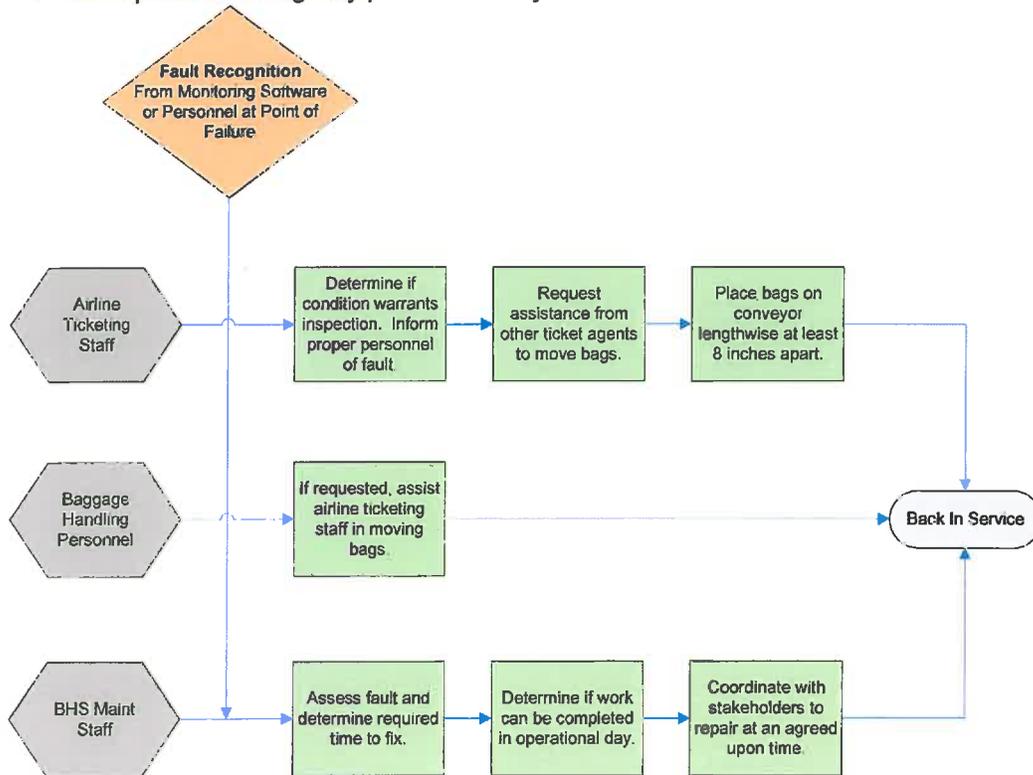


Figure 9.9.1 Contingency Plan Example

Trouble Shooting Methodology

In order to mitigate the risk of extended downtime we have developed troubleshooting guidelines specific to baggage handling systems. The benefits of a structured trouble shooting guide are:

- 1) Standardized approach to repair
- 2) Defined path to resolve system failures during emergencies
- 3) Enforces attention to detail during resolution process

Below is an example of a trouble shooting guide for a diverter in fault mode:

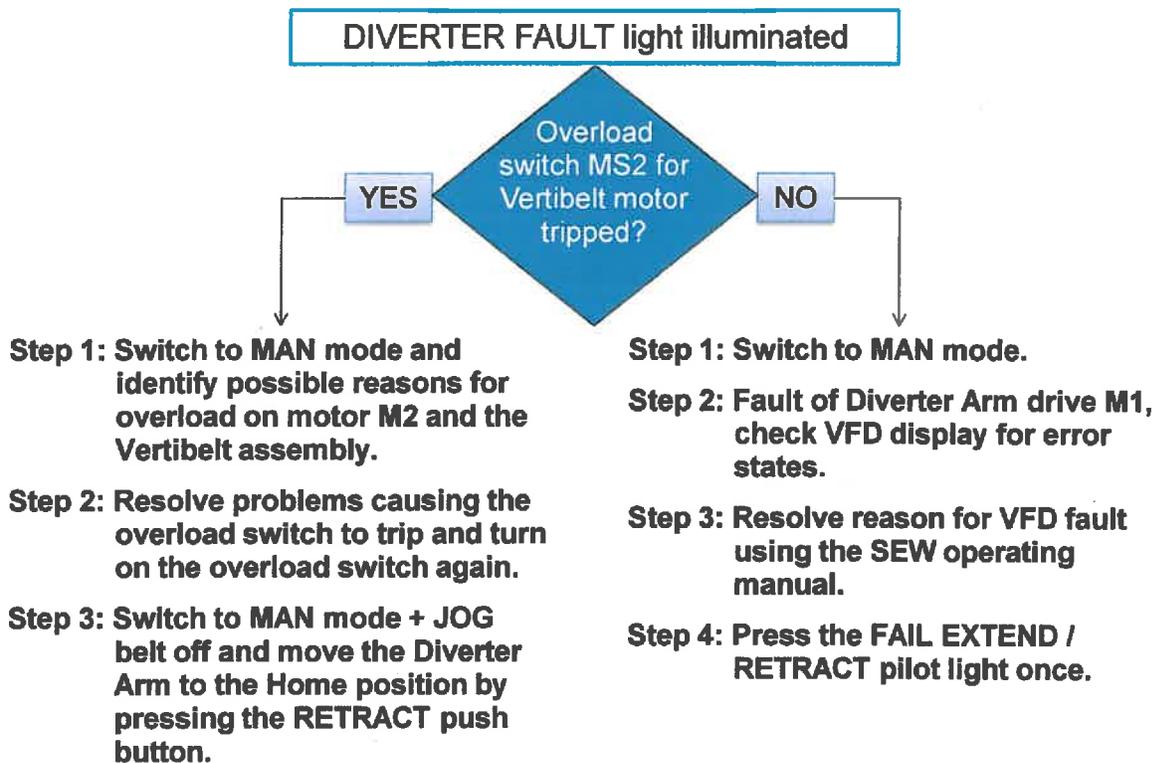


Figure 9.9.2 Trouble Shooting Guide

Failure Mode Analysis

Our failure mode analysis is incorporated in our Maximo® CMMS.

- For all corrective maintenance work orders logged into Maximo® the user has the ability to record the failure problem, cause, & resolution.
- The potential problem, cause, & resolution matrix is based on the type of equipment which failed (i.e. power turn, straight conveyor, makeup unit, etc.)
- The failure matrix addresses mechanical, electrical, power, controls, & network failures.

Over time this data enables the Site Manager to identify trends and isolate probable causes of breakdowns by analyzing each asset's historical failures. Vanderlande Industries then correlates this failure information with other data, such as our preventative maintenance schedule, to develop methods to reduce or limit equipment failures in the future.

Below is an example failure hierarchy for a bearing failure.

Problem	Causes	Remedies
'Bearing (rotary / linear) Failure'	'Accidental damage'	'Minor adjustments, retightening or alignment'
	'Due to poor alignment'	'Component cleaned'
	'Binding due to excessive heat transfer'	'Lubrication'
	'Failure due to brinnelling (pitting)'	'Unit set-up / programmed with correct parameters'
	'Failure due to bearing cage collapsing'	'Replace / Repair as a result of a redesign'
	'Damage due to excessive corrosion'	'Reset component and restarted system'
	'Failure due to dirt / moisture ingress'	'Replace / Repair as a result of condition'
	'Bearing failure due to electric arcing'	'Replace / Repair on component failure'
	'Due to external damage'	'Replace / Repair as a result of time or operations'
	'Damage due to external impact'	'To be further investigated'
	'Damaged due to fatigue'	
	'Does not spin from internal damage'	
	'Cause to be further investigated'	
	'The item is missing or disintegrated'	
	'Due to lack of lubrication'	
	'Cause not listed'	
	'Due to a foreign object becoming trapped'	
	'Damaged due to overheating'	
	'Damaged due to overtensioning'	
	'Damage due to poor fitment'	
	'Component redesign required'	
	'Failure due to seizure'	
	'Fixings come loose due to vibration'	
'Worked loose from housing'		
'Worn beyond normal limits / tolerances'		
'Incorrect lubrication for application'		
'Failure due to excessive loading'		

Figure 9.9.3 Bearing Failure Hierarchy

10. Chapter 10: Special Tools

a. Thermal Imaging

b. BPI



CHAPTER 10: SPECIAL TOOLS

HIGH DEFINATION THERMOGRAPHIC IMAGING

Vanderlande uses various techniques and tools, such as Infrared Thermography, to predict the useful life and probable failure point of a component. This is necessary for the most critical or expensive components of a system, to allow their maximum usage (value) and planned replacement, to avoid unexpected breakdown.

For this contract, Vanderlande Industries will provide a state of the art Thermography camera, and certify a specific engineer to measure and accurately interpret the thermal heat images taken on both mechanical and electrical components. This tool has been proven at our other locations to reduce the number of unplanned corrective repair incidents.



Examples of Actual Thermal Images from One of our Locations:



FLOORVEYOR MOTOR

Do you see the problem with this motor?

The end bearing temperature is approaching melt down!
It cannot be the same temperature as the windings
The motor needs replacing or overhauling.
The thermal information can help assist the goal of preventing failure.

ELECTRICAL JUNCTION BOX



The images on the left clearly show that one electrical phase is hotter than the others
In this case it is a problem, as the terminal is high resistance.

A standard Preventative Maintenance Plan would not be able to diagnose the impending electrical shortage that will inevitably occur.



Predictive Maintenance actively seeks problems and corrects the problem area before catastrophic failure occurs.

Delivering Certainty®

**Denver International Airport
Request for Proposal No. 201204107
Operations and Maintenance Services
For the
Terminal Baggage Handling System**

Project # 1401662

COPY NO. 1



4 of 4

**Vanderlande Industries
Volume 4 - Financial Proposal**

Due: February 17, 2012

Base Proposal

VANDERLANDE
INDUSTRIES

CHAPTER 5: ADDITIONAL HOURLY RATES

Site Manager	Office Manager	Supervisor	Control Systems Technician	Control Room Operator	Machinery Maintenance Mechanic	Entry Support Mechanic	Store Officer	OUT SOURCED Entry Support Mechanic
74.25	31.05	51.39	44.23	25.45	35.47	29.07	25.45	31.76





DENVER
THE MILE HIGH CITY

TO: All Users of the City of Denver Prevailing Wage Schedules
FROM: Meredith Creme, CSA Compensation and Classification
DATE: December 1, 2011
SUBJECT: Latest Update to Prevailing Wage Schedules

Please find an attachment to this memorandum all of the current Career Service Prevailing Wage Schedules issued in accordance with the City and County of Denver's Revised Municipal Code, Section 20-76(c). This schedule does not include the Davis-Bacon rates. The Davis-Bacon wage rates will continue to be published separately as they are announced.

Modification No. 99
Publication Date: 12-2-2011
(5 pages)

Unless otherwise specified in this document, apprentices shall be permitted only if they are employed pursuant to, and individually registered in, a bona fide apprenticeship program registered with the U.S. Department of Labor. The employer and the individual apprentice must be registered in a program, which has received prior approval, by the U.S. Department of Labor. Any employer, who employs an apprentice and is found to be in violation of this provision, shall be required to pay said apprentice the full journeyman scale.

Questions call (720) 913-5722

Attachments as listed above.

APPLIANCE MECHANIC

Last Revision: 02-19-2009
Effective: 02-19-2009

Classification:	<u>Base Wage</u>	<u>Fringes</u>
Appliance Mechanic	\$22.34/hour	\$5.82/hour

Plus 10% shift differential for regularly scheduled hours worked between 6:00 p.m. and 6:00 a.m.

The Appliance Mechanic installs, services and repairs stoves, refrigerators, dishwashing machines, and other electrical household or commercial appliances, using hand tools, test equipment and following wiring diagrams and manufacturer's specifications. Responsibilities include: connects appliance to power source and test meters, such as wattmeter, ammeter, or voltmeter, observes readings on meters and graphic recorders, examines appliance during operating cycle to detect excess vibration, overheating, fluid leaks and loose parts, and disassembles appliances and examines mechanical and electrical parts. Additional duties include: traces electrical circuits, following diagram and locates shorts and grounds, using ohmmeter, calibrates timers, thermostats and adjusts contact points, and cleans and washes parts, using wire brush, buffer, and solvent to remove carbon, grease and dust. Replaces worn or defective parts, such as switches, pumps, bearings, transmissions, belts, gears, blowers and defective wiring, repairs and adjusts appliance motors, reassembles appliance, adjusts pulleys and lubricates moving parts, using hand tools and lubricating equipment.

Note: This position does not perform installations done at new construction.

BAGGAGE HANDLING SYSTEM MAINTENANCE

Last Revision: 10-22-2010
Effective: 10-21-2011

Classification:	<u>Base Wage</u>	<u>Fringes</u>
Entry-Support Mechanic	\$15.26/hour	\$5.35/hour
Machinery Maintenance Mechanic	\$19.33/hour	\$5.82/hour
Controls System Technician	\$24.90/hour	\$6.46/hour

Plus 10% shift differential for regularly scheduled hours worked between 6:00 p.m. and 6:00 a.m.

Entry Support Mechanic

Under direct supervision, assists the Machinery Maintenance Mechanic in maintaining the operational status of the baggage handling system. Duties include but are not limited to; assisting with adjustments with belt tracking, belt tension, and gearbox.

Machinery Maintenance Mechanic

Performs routine and basic adjustments of baggage handling system equipment including but not limited to, belt tracking, belt tension, and gearbox and bearing lubrication. Performs daily and periodic shift inspections, cleaning, and diagnostics of mechanical system components based on an established preventive maintenance program. Dismantles, repairs, and reassembles equipment or machines for stock replacement or to restore baggage handling system equipment to operational status. Preventive maintenance and overhauling machines includes, but is not limited to, motors, clutches, brakes, transporting telecars, bearings, drive belts, drive shafts, pulleys, gearboxes (speed reducers), and conveyor belting. Maintains daily turnover reports and hourly labor time sheets for warranty reimbursement and statistical tracking of repairs.

Controls System Technician

Performs a variety of functions such as installation, maintenance, and repair of devices which control and are controlled by the baggage handling system and related equipment. Such devices include, but are not

limited to, personal computers, programmable logic controllers and peripherals, motor control panels, photoelectric sensors, sync-pulse tachometers, laser and RF readers, linear induction motors and servo-drives. Troubleshoots and repairs all control system and electrical failures by applying comprehensive technical knowledge to solve problems by interpreting manufacturer manuals or similar documents. Work requires familiarity with the interrelationships of electro-mechanical devices.

Removes and replaces plug-in type boards and components. Aligns, replaces, and cleans photocells. Makes minor repairs of connectors, wiring and fuses on-site, and cleans and performs diagnostic routines of electrical and control system components. Performs scheduled routine maintenance on all control system components and reporting devices (including personal computers), based on recommended manufacturer practices. Uses a personal computer to diagnose and correct PLC and operating system software problems. Diagnoses, repairs and aligns laser array (baggage tag reader) and RF reader hardware and software.

Note: Incumbents must possess an Electrician's license when work warrants.

BUILDING ENGINEER

Last Revision: 07-15-2010

Effective: 07-21-2011

Classification:	<u>Base Wage</u>	<u>Fringes</u>
Building Engineer	\$28.82/hour	\$6.68/hour

This classification of work is responsible for operating, monitoring, maintaining/repairing the facilities mechanical systems to ensure peak performance of the systems. This includes performing P.M. and repair work of the building mechanical systems, inspecting, adjusting, and monitoring the building automation and life safety systems, contacting vendors and place order replacement parts, responding to customer service requests and performing maintenance/repairs in tenant or public spaces, performing routine P.M. i.e. light plumbing and electrical repairs, ballast lamp and tube replacement, operating mechanical systems both on site and via a remote laptop computer, maintaining inventory of spare parts and tools, painting and cleaning mechanical equipment and machine rooms, etc.

FUEL HANDLER SERIES

Last Revision: 10-22-2010

Effective: 10-21-2011

Classification:	<u>Base Wage</u>	<u>Fringes</u>
Fuel Distribution System Operator	\$18.97/hour	\$5.78/hour
Lead Fuel Distribution System Operator	\$19.83/hour	\$5.88/hour
Fuel Distribution System Mechanic	\$23.46/hour	\$6.30/hour
Lead Fuel Distribution System Mechanic	\$24.53/hour	\$6.42/hour

Plus 10% shift differential for hours worked between 6:00 p.m. and 6:00 a.m.

Fuel Distribution System Operator:

Receives, stores, transfers, and issues fuel. Performs various testing procedures and documentation on fuel samples. Gauges tanks for water, temperature and fuel levels. Performs temperature and gravity testing for correct weight of fuel. Checks pumping systems for correct operating pressure or unusual noises. Inspects fuel receiving, storage, and distribution facilities to detect leakage, corrosion, faulty fittings, and malfunction of mechanical units, meters, and gauges such as distribution lines, float gauges, piping valves, pumps, and roof sumps. Operates a 24-hour control center; operates various computer equipments

to determine potential equipment failure, leak and cathodic protection systems, pump failure, and emergency fuel shutoff systems. Monitors quality of fuel and drains excess condensation from fuel sumps and underground fuel pits. Inspects fuel tank farm for such items as leaks, low pressure, and unauthorized personnel. Performs general housekeeping and grounds maintenance for terminal, pipeline and dock areas, including fuel pits and valve vault cleaning and pump out activities. May connect lines, grounding wires, and loading and off loading arms of hoses to pipelines. May assist Fuel Distribution System Mechanics by preparing work areas. Maintains record of inspections, observations and test results.

Lead Fuel Distribution System Operator:

Performs lead duties such as making and approving work assignments and conducting on-the-job training as well as performing the various tasks performed by the Operator classification.

Fuel Distribution System Mechanic:

Maintains and repairs fuel storage and distribution systems, equipment and filtration systems, and differential pressure valves. Corrects leakage, corrosion, faulty fittings, and malfunction of mechanical units, meters, and gauges such as distribution lines, float gauges, piping valves, pumps, and roof sumps. Inspects electrical wiring, switches, and controls for safe-operating condition, grounding, and adjustment; may make minor repairs. Lubricates and repacks valves. Lubricates pumps, replaces gaskets, and corrects pumping equipment misalignment. May clean strainers and filters, service water separators, and check meters for correct delivery and calibration. Overhauls system components such as pressure regulating valves and excess valves. Disassembles, adjusts, aligns, and calibrates gauges and meters or replaces them. Removes and installs equipment such as filters and piping to modify system or repair and replace system component. Cleans fuel tanks and distribution lines. Removes corrosion and repaints surfaces. Overhauls vacuum and pressure vents, floating roof seals, hangers, and roof sumps. Some positions maintain fuel-servicing equipment such as hydrant and tanker trucks. Maintains record of inspections and repairs and other related paperwork as required.

Lead Fuel Distribution System Mechanic:

Performs lead duties such as making and approving work assignments and conducting on-the-job training as well as performing the various tasks performed by the Mechanic classification.

These classifications are recommended to be inclusive and to supersede any previously adopted classifications.

CUSTODIANS

Last Revision: 01-20-2011
Effective: 01-01-2012

<u>Classification</u>	<u>Base Wage</u>	<u>Fringes</u>
Custodian I	\$12.33/hour	\$3.69 SINGLE \$5.17 2-PARTY \$6.39 FAMILY
Custodian II	\$12.68/hour	\$3.74 SINGLE \$5.23 2-PARTY \$6.44 FAMILY

Benefits and Overtime

Parking	With valid receipt from approved parking lot, employees are reimbursed the actual monthly cost of parking.
RTD Bus Pass	Employer will provide employees with the Bus Pass or pay (\$0.11) per hour for travel differential.
Shift Differential	2nd shift (2:30 p.m.-10:30 p.m.): \$.50/hr 3rd shift (10:31 p.m.-6:30 a.m.): \$1.00/hr.
Overtime	Time worked in excess of seven and one-half (7 ½) hours in one (1) day or in excess of thirty-seven and one-half (37 ½) hours in one week shall constitute overtime and shall be paid for at the rate of time and one-half (1 ½) at the employee's basic straight time hourly rate of pay.
Note	The Career Service Board in their public hearing on March 15, 2007 approved to amend prevailing wages paid to the Custodian as follows: "All contractors shall provide fringe benefits or cash equivalent at not less than the single rate amount. Contractors who offer health insurance shall provide an employer contribution to such insurance of not less than the 2-party or family rate for any employee who elects 2-party or family coverage. Contractors who offer such coverage will be reimbursed for their employer contributions at the above rates under any City contract incorporating this wage specification."

Position Descriptions:

Custodian I	Any employee performing general clean-up duties using equipment that does not require special training: i.e., dust mopping, damp mopping, vacuuming, emptying trash, spray cleaning, washing toilets, sinks, walls, cleaning chairs, etc.
Custodian II	Any employee performing specialized cleaning duties requiring technical training and the use of heavy and technical equipment, i.e., heavy machine operators floor strippers and waxers, carpet shampooers, spray buffing, re-lamping, mopping behind machines, high ladder work, chemical stripping and finishing of stainless steel.

FURNITURE MOVERS
(Moving, Storage and Cartage Workers)

Last Revision: 10-22-2010
Effective: 10-21-2011

Classification:	<u>Base Wage</u>	<u>Fringes</u>
Laborer/Helper	\$17.36/hour	\$5.59/hour
Driver/Packer	\$17.43/hour	\$5.60/hour
Lead Worker	\$18.22/hour	\$5.69/hour

LANDSIDE PARKING ELECTRONICS TECHNICIAN

Last Revision: 10-22-2010
Effective: 10-21-2011

Classification:	<u>Base Wage</u>	<u>Fringes</u>
Landside Parking Electronics Technician	\$22.14/hour	\$6.14/hour

Plus 10% shift differential for regularly scheduled hours worked between 6:00 p.m. and 6:00 a.m.

This classification of work installs, modifies, troubleshoots, repairs and maintains revenue control equipment at manned and unmanned parking entrance and exit gates. Replaces consumable items such as tickets, printer ribbons, and light bulbs. Replaces modules and related equipment as needed to repair existing equipment, modify applications, or resolve unusual problems. Troubleshoots, tests, diagnoses, calibrates, and performs field repairs. Performs preventive maintenance such as inspection, testing, cleaning, lubricating, adjusting and replacing of serviceable parts to prevent equipment failure for electromechanical control in order to minimize repair problems and meet manufacturers' specifications.

SIGN ERECTOR

Last Revision: 10-15-2009
Effective: 10-15-2010

Classification:	<u>Base Wage</u>	<u>Fringes</u>
Sign Erector	\$20.19/hour	\$3.80/hour

This classification of work erects, assembles, and/or maintains signs, sign structures and/or billboards using various tools. Erects pre-assembled illuminated signs on buildings or other structures according to sketches, drawings, or blueprints. Digs and fills holes, places poles. Bolts, screws, or nails sign panels to sign post or frame. Replaces or repairs damaged or worn signs. May use welding equipment when installing sign. This classification is not a licensed electrician and therefore cannot make connections to power sources (i.e., provide exit lighting).

TELEDATA TECHNICIAN

Last Revision: 07-15-2010
Effective: 07-22-2011

Classification:	<u>Base Wage</u>	<u>Fringes</u>
Teledata Technician	\$32.69/hour	\$7.36/hour

This classification of work is responsible for telephone installation, removal, relocation, problem resolution, cable maintenance and repair ; installs and maintains large programmable PBX systems (Panasonic 1, 2, & 3 line sets, ISDN 6504, 6508, 7504, 7505, 7506, 7507; Northstar stations and systems; Northern Telecom Option 11 system, Vodavi Executive sets and systems, AT&T system 75, Eagle sets and systems; 2/06, 4/10, 8/20, 10/30, 30/70 Merlin systems; 3/8, 6/16, 12/24, and 24/48 Vodavi systems). Duties also include testing circuits, analyzing results, repairing and modifying circuits and equipment in a step by step XY all relay and/or electronic switch system. This classification of worker locates electrical, electronic, and mechanical failures in telephone switching and carrier equipment; repairs equipment by replacing defective parts by such procedures as setting clearances, adjusting spring tensions, wipers, relay contacts and other interrelated mechanisms ; installs or rearranges equipment frames and shelves, and such equipment as line finders, switch banks, selectors, connectors, repeaters, peg counters, restricting post cams, and various interrelated truck circuits. Workers resolve complex problems between exchange, both government and commercial and may direct, instruct, and assist lower level employees with their overall assignments.

TILE SETTER-MARBLE MASONS-TERRAZZO FINISHERS, FLOOR GRINDERS, AND BASE GRINDERS

Last Revision: 06-03-2010
Effective: 07-07-2011

Classification:	<u>Base Wage</u>	<u>Fringes</u>
Finisher (Tile- Marble-Terrazzo)	\$18.10 /hour	\$9.33/hr

Effective May 1, 2008, Local Union 7 of Colorado combined three classes of Finishers, Floor Grinders, and Base Grinders into Finisher using one pay schedule.

Journeymen Rates for the Tile Setter classification of work (Tile Setter, Marble Mason, and Terrazzo Worker) are provided by the Davis-Bacon Act.

TRANSIT TECHNICIANS

Last Revision: 02-17-2011
Effective: 01-01-2012

Classification:	<u>Base Wage</u>	<u>Fringes</u>
Transit Technician - Entry	\$22.21/hour	\$6.15/hour
Transit Technician - Senior	\$24.28/hour	\$6.39/hour
Transit Technician - Lead	\$25.38/hour	\$6.52/hour
Elevator Mechanic/Repairer	\$39.34/hour	\$27.41/hour (< 5 yrs service) \$28.19/hour (> 5 yrs service)

In addition, Shift differentials of eight percent (8%) of the employee's straight time pay rate for the second shift and ten percent (10%) for the third shift for straight time work regularly scheduled providing lore that (50%) of the employee's work occurred on such shift.

Transit Technician-Entry: Associates in this position will be given instruction by on-the-job and/or classroom training to perform corrective and preventive maintenance, inspections, repairs, and adjustments to all systems, subsystems, and components of an electronic, mechanical, electro/mechanical, hydraulic, and pneumatic nature. This classification of workers may assist with routine preventive maintenance, inspection, and adjustment. Tasks and procedures are well established and require close supervision. Incumbents will follow the direction of higher level personnel in preventive or corrective maintenance phases of work. Most tasks will be of an apprentice nature and will require close supervision. Incumbents will progress to the journey level after one year as a Transit Technician-Entry.

Transit Technician-Senior: This is a full performance level class performing various corrective and preventive maintenance, inspections, repairs, and adjustments to all systems, subsystems, and components of an electronic, mechanical, electro-mechanical, hydraulic, and pneumatic nature; monitors the transit system via a central computer system to make automated adjustments in the operation and maintenance of the transit system.

Transit Technician-Lead: Performs lead technical duties such as making work assignments and conducting on-the-job informal training as well as performing various tasks involved with the operation and maintenance of the transit system. The Lead Transit Technician is the specialist in terms of hands-on diagnosis and troubleshooting various problems that may arise on the transit system.

23210-Elevator Repairer: The SCA-Directory of Occupations describes, Elevator Repairer as, "repairs and maintains "Automated People Movers" and like named devices used in the transportation of people and materials including, but not limited to elevators, escalators, dumbwaiters, and moving walkways to meet safety regulations and building codes. This worker trouble shoots and determines causes of trouble in brakes, electrical motors, switches, signal and control systems, using computers, test lamps, voltmeters, ammeters, and oscilloscopes, disassembles defective units and repairs or replaces parts such as electrical door locks, cables, electrical wiring and faulty safety devices installs push button control systems, complete control systems, and other devices to modernize automated people mover systems, and cleans and lubricates bearing and other parts to minimize friction."

TREE TRIMMERS

Last Revision: 10-15-2009

Effective: 10-15-2010

Classification:	<u>Base Wage</u>	<u>Fringes</u>
Tree Trimmer	\$16.77/hour	\$2.48/hour

This classification of work trims, removes, and applies insecticides to trees and shrubbery including trimming dead, diseased, or broken limbs from trees utilizing rope and saddle, chain, handsaw and other related equipment common to the care of trees and shrubs. Removes limbs, branches and other litter from the work area, observes safety rules, inspects and identifies tree diseases and insects of the area distinguishing beneficial insects and environmental stress, takes samples form diseased or insect infested trees for lab analysis, operates a wide variety of heavy and power equipment in trimming and removing trees and shrubbery i.e. mobile aerial tower unit, tandem trucks, loaders, chipper, etc., maintains all equipments.

WINDOW CLEANERS

Last Revision: 02-04-2010
Effective: 01-20-2011

Classification:	<u>Base Wage</u>	<u>Fringes</u>
Window Cleaner	\$20.80 /hour	\$6.51/hr (Single) \$8.24/hr (2-Party) \$9.01/hr (Family)

Benefits/Overtime

Parking	With valid monthly parking receipt from approved parking lot, employees are reimbursed for the cost of parking. The employer shall reimburse employees for parking expenses from other parking lots up to the amount reimbursed for DIA Employee Parking Lot upon the submission of a monthly parking receipt. Only (1) one receipt per month.
Shift Differential	\$0.75 per hour for employees assigned to 3rd shift (11:00 p.m. to 7:00 a.m.)
Overtime	One and one-half (1½) times the basic rate of pay in excess of 7.5 hours worked per day or 37.5 hours worked per week.
Lead Work	\$1.25 per hour above highest paid employee under supervision
High Work	\$1.75 per hour (21 feet or more from ground (base) to top of surface/structure being cleaned)
Training	\$0.25 per hour
ECOPASS	Employer will provide employees with the ECOPASS
Note:	The Career Service Board in their public hearing on April 3, 2008, approved to amend prevailing wages paid to the Window Cleaners as follows: "All contractors shall provide fringe benefits or cash equivalent at not less than the single rate amount. Contractors who offer health insurance shall provide an employer contribution to such insurance of not less than the 2-party or family rate for any employee who elects 2-party or family coverage. Contractors who offer such coverage will be reimbursed for their employer contributions at the above rates under any City contract incorporating this wage specification."

Contract Control Number:

IN WITNESS WHEREOF, the parties have set their hands and affixed their seals at Denver, Colorado as of

SEAL

CITY AND COUNTY OF DENVER

ATTEST:

By _____

APPROVED AS TO FORM:

REGISTERED AND COUNTERSIGNED:

By _____

By _____

By _____



IN WITNESS WHEREOF, the parties hereunto set their hands and affixed their seals at Denver, Colorado as of the day on the City's signature page.

Contract Control Number: 201204994

Vendor Name: VANDERLANDE INDUSTRIES INC.

By:  _____

Name: EWOUT CASSEE
(please print)

Title: PRESIDENT
(please print)

ATTEST: [if required]

By:  _____

Name: Ken Lawson
(please print)

Title: Director of Sales, Customer Services
(please print)

