# **ON-CALL CONTRACT**

THIS ON-CALL CONTRACT (this "Agreement") is by and between the CITY AND COUNTY OF DENVER, a municipal corporation of the State of Colorado (the "City"), and BRACONIER PLUMBING & HEATING CO., INC., a Colorado corporation, whose address is 4925 Nome Street, Denver, Colorado 80239 (the "Contractor").

### **RECITALS**

**WHEREAS**, the City has identified a need for a qualified contractor to perform, as assigned, services as directed by the City on an "on-call" or "as needed" basis (the "**Program**"). Program work will generally consist of performance of such plumbing services required on a variety of as yet to be identified projects as assigned by the City (the "**Projects**").

**WHEREAS**, the work shall consist of routine (not Emergency) on-call plumbing services at multiple locations throughout the City and County of Denver. The work may include but is not limited to those responsibilities set out on the attached exhibits.

**WHEREAS**, the Contractor is willing, able and has the present capacity to perform all of the plumbing services required by this Agreement.

#### AGREEMENT

**NOW, THEREFORE**, in consideration of the mutual covenants contained in this Agreement, and subject to the terms and conditions stated in this Agreement, the Parties agree as follows:

- 1. <u>DEFINITIONS</u>: The capitalized terms used in this Agreement and any and all exhibits hereto will have the meanings given such terms in the paragraph in which such terms are parenthetically defined. The meanings given to terms defined will be equally applicable to the singular and plural forms of such terms. In addition, the following capitalized terms shall have the following meanings:
- **A.** "City" means and refers to the City and County of Denver or a person authorized to act on its behalf.
- **B.** "Contractor" means and refers to the Contractor, its agents, employees, officers, and anyone acting on its behalf.
- **C.** "*Exhibit A*" or "Scope of Work" means the Contractor's scope of work under this Agreement, and as further defined in each specific work order assigned hereunder (the "Work Order").
- **D.** "Standard Work Hours" means Monday through Friday, 7:00 A.M to 5:00 P.M. as described in *Exhibit A*.
- **E.** "Non-Standard Work Hours" means Monday through Friday, Weekends, and City of Denver Holidays, 5:00 P.M. to 7:00 A.M. as described in *Exhibit A*.
- **F.** "Subcontractor" means an entity, other than the Contractor, that furnished or furnishes to the City or the Contractor services or supplies (other than standard office supplies, office space or printing services) pursuant to this Agreement.

**G.** "Work Order" means the specific emergency task given to the Contractor for execution as contemplated under this Agreement.

# 2. WORK TO BE PERFORMED:

- A. Work: The Contractor shall furnish all labor, tools, supplies, equipment, materials and everything necessary for and required to do, perform and complete all of the work described in the Scope of Work and Technical Requirements, *Exhibit A* (the "Work"). The Contractor shall perform Work in a highly skilled manner consistent with the performance standards and technical requirements set forth in *Exhibit A*. The Contractor shall commence the Work within five (5) calendar days following the issuance by the City of a Work Order for a Project unless a different period is specified in the Work Order. The Contractor shall complete the Project within the time period specified in the Work Order for the Project. The Contractor shall diligently prosecute the Work to completion using its best efforts, highly skilled work effort and attention. The Contractor shall be solely responsible for all means, methods and techniques of performance, protection of property and safety. The Contractor shall be responsible to the City for the acts and omissions of the Contractor's employees and any other persons performing any of the work or furnishing materials.
- **B.** Oversight: The Contractor shall conduct the Work under the general direction of and in coordination with the Executive Director of the Department of General Services ("Executive Director"), or the Executive Director's Designee and the Department employee(s) assigned to manage the Work Project (the "Department"), and make every reasonable effort to fully coordinate the Work Project with any City agency or any person or firm under contract with the City doing work which affects the Contractor's Work Project. The Contractor agrees to allow the City to review any of the procedures used by it in doing the Work under this Agreement and to make available for inspection all notes and other documents used in performing the Work.
- **C.** <u>Cooperation and Coordination</u>: The Contractor shall make every reasonable effort to fully coordinate the Work with any City agency or any person or firm under contract with the City doing work which affects the Contractor's Work on any particular Work Order. The Contractor agrees to allow the City to review any of the procedures used by it in doing the Work under this Agreement and to make available for inspection all notes and other documents used in performing the Work.
- **D.** <u>Non-exclusivity</u>: The Contractor acknowledges and agrees that this Agreement does not create an exclusive right to perform all Work for which the City may contract for the type of service described in *Exhibit A*. The City may enter contracts with other contractors to perform the same or similar services and reserves the right to select, at the discretion of the Executive Director or their designee, the contractor that is the most cost effective, best suited, and/or most readily able to perform a specific Work Project.
- E. Work Orders: As the Department determines the need and availability of funding for each Work Project, the City will issue a written Work Order to the Contractor, in the form attached hereto and incorporated herein as Exhibit C, detailing the nature and extent of services to be provided, the location of the Work Project, and the timeframes within the Work Project is to be performed, with a projected amount to be paid to the Contractor (the "Work Project Amount") based on the Work items described in the Scope of Work and Technical Requirements in Exhibit A and the Rate Sheet set forth in Exhibit B, which is attached to this Agreement and incorporated herein by reference. The Contractor acknowledges and affirms that the City may rely upon Exhibit B in the preparation of Work Order(s) as provided herein. The Contractor shall, within forty-eight (48) hours and in good faith, confirm the scope of services detailed therein and the associated Work Project Amount, all of which must be in accordance

with the terms and conditions of this Agreement, and respond back in writing to the Department as to the Contractor's ability to initiate and complete the Work Project in the timeframes specified in the Work Order. The Contractor assumes all responsibility and risks, including any additional work or additional costs, for failure to confirm the completeness and accuracy of the Work Order and the Work Project Amount. Confirmation includes, but is not restricted to, inspections of the Work Project site and inquiries with the Department as to any directions or specifications in the Work Order which are not clear. Upon the Contractor confirming the Work Order, with or without changes or corrections, the Department will notify the Contractor to proceed on the assigned Work Project and acknowledging or denying any corrections or changes to the Work Order or Work Project Amount requested by the Contractor.

- F. Work Order Change: If, after the Department notifies the Contractor to proceed to perform a Work Order and commencement on the Work Project, additions, deletions or modifications to the Work described in the Work Order, along with any associated changes in the Work Project Amount, are required by the Department or are requested by the Contractor and approved in advance by the Department, an Work Order Change, in the form attached hereto and incorporated herein as *Exhibit D*, will be issued by the Department to the Contractor in accordance to the same standards and procedures prescribed for Work Orders. The Contractor shall promptly and thoroughly review and respond to the proposed changes, in accordance to the same standards and procedures prescribed for Work Orders and notify the Department that the Contractor is ready and willing to perform the Work Project in the manner and timeframes as modified by the amended Work Order.
- G. **Inspection of the Work:** Persons who are employees of the City or who are under contract to the City will be assigned to inspect and test the Work. These persons may perform any tests and observe the Work to determine whether or not materials used, manufacturing and construction processes and methods applied, and equipment installed satisfy the requirements of the technical specifications, all other Contract requirements, and the Contractor's warranties and guarantees. The Contractor shall permit these inspectors unlimited access to the Work and provide means of safe access to the Work, which cost shall be included in the Contractor's price for the Work. In addition, the Contractor shall provide whatever access and means of access are needed to off-site facilities used to store or manufacture materials and equipment to be incorporated into the Work and shall respond to any other reasonable request to further the inspector's ability to observe or complete any tests. Such inspections shall not relieve the Contractor of any of its quality control responsibilities or any other obligations under this agreement. All inspections and all tests conducted by the City are for the convenience and benefit of the City. These inspections and tests do not constitute acceptance of the materials or Work tested or inspected, and the City may reject or accept any Work or materials at any time prior to the inspections, whether or not previous inspections or tests were conducted by the inspector or a City representative.
- H. Warranties; Correction of Work: The Contractor warrants that all parts, materials, components, equipment, systems and other items incorporated into the Work ("Items") shall be new, unless otherwise specified, and suitable for the purpose used, and will be of good quality, free from faults and defects, and in keeping with common industry standards and that said Items shall be properly installed or incorporated into the Work in accordance with manufacturer's specifications and standard practices for said Items, and all of this shall be in conformance with the specifications and requirements of this Agreement. The Contractor's warranty shall be effective for a one-year period following the completion of the Work and shall be extended for one year following any repair, replacement or corrective action required under the warranty. The Contractor, when requested, shall furnish the Executive Director or their designee with satisfactory evidence of the kind and quality of Items proposed to be incorporated into the Work. At any time while this Agreement is in effect or during the warranty period, the Contractor shall, at no cost to the City, promptly investigate, repair, replace, or otherwise correct any of its workmanship and/or Items in the Work which contain fault(s) or defect(s),

whether such failure(s) are observed by the City or the Contractor, and promptly repair, replace, otherwise correct any damage to any personal or real property owned by the City or another person resulting from said fault(s) or defect(s) or from the repair, replacement, or correction of the fault(s) or defect(s).

- I. <u>Title</u>: The Contractor warrants that it has full title to all items incorporated into the Work, that its transfer of such title to the City is rightful and free and clear from all security interests, liens, claims, or encumbrances whatsoever, and that the Contractor will defend such title against all persons claiming the whole or part of any Item, at no cost to the City.
- Manager as to the completion of the Work so that inspection of the Work may be made by the City. If a Completion Notice is specified in the Work Order, the Contractor shall not submit a request for payment for the Work performed until a Completion Notice is issued by the Executive Director or their designee or ten (10) calendar days after City is notified of Work completion, whichever is sooner. If the Work performed is determined by the Executive Director or their designee to be defective, deficient or incomplete, whether or not a Completion Notice is required, the Contractor shall correct or complete the Work, at no additional cost to the City, within the timeframe specified in a Notice of Deficiency issued by the Executive Director or their designee, and promptly notify the Executive Director or their designee upon correction or completion of the Work.
- **K.** <u>Time is of the Essence</u>: The Work is time sensitive. The Contractor acknowledges and affirms that it is imperative that the Contractor exercise due diligence and actively and expeditiously undertake all measures necessary: 1) in initiating, making good progress, and completing the Work Project, all within the timeframes specified in this Agreement and applicable Work Order, and 2) in promptly and fully correcting or completing any Work noted in a Notice of Deficiency. Failure or refusal by the Contractor to initiate, make good progress, or complete the Work within the Work Order Completion Date set forth in a Work Order may result, at the discretion of the Executive Director or their designee, in termination of this Agreement, or in assessment of liquidated damages under Section 7 of Agreement.
- **L.** <u>Subcontracting</u>: Except as approved by the Executive Director or their designee in advance and in writing, the Contractor shall not subcontract with another contractor to perform the Work. The Contractor is prohibited from hiring any subcontractor currently debarred by the City in accordance with section 20-77 of the Denver Revised Municipal Code.

# 3. METHODS OF WORK:

A. Resources, Personnel, and Time Commitment: The Work shall be promptly commenced and actively prosecuted with the optimum complement of workers and equipment in order to complete the Work in an effective and expeditious manner. The Contractor shall furnish all labor, tools, supplies, equipment, materials and everything necessary for and required to perform and complete the Work. The Work shall be undertaken by workers skilled, proficient, and experienced in the trades required by this Agreement and shall be performed in an orderly and responsible manner in accordance with recognized standards and the plans and specifications contained in this Agreement or provided to the Contractor by the City. If the City reasonably believes that the Work is not proceeding satisfactorily or timely because the Contractor has not utilized an adequate number of qualified and skilled personnel or workers or provided sufficient tools, supplies, equipment, or materials, then the City may require the Contractor, at no additional cost to the City, to utilize additional qualified and skilled personnel or workers or provide additional tools, supplies, equipment, or materials to perform the Work in a manner reasonably acceptable to the City.

- **B.** Permits and Licenses: Any tasks specified under this Agreement that require the employment of licensed or registered personnel shall be performed by licensed or registered personnel. The Contractor shall obtain, at its own expense, and maintain all permits or licenses, including any prescribed governmental authorizations or approvals, required for the performance of the Work and shall demonstrate, if requested, what actions the Contractor has taken to comply with the required permits, licenses, authorizations or approvals.
- C. Work Site Conditions: Work sites and nearby locations shall be kept clean and neat. Equipment, vehicles, and materials no longer needed at the site shall be promptly removed from the site, and any such items lawfully stored for use on the site shall be so placed and secured as to protect the public health and safety. All scraps, debris, trash, excess soil, and other waste materials shall be regularly removed and properly disposed of. Disposal in solid waste containers provided by the City is prohibited unless written authorization is obtained.
- D. Protection of Property: The Contractor shall assume full responsibility and expense for the protection of all public and private property, including but not limited to structures, street improvements, pathways, irrigation systems, landscaping, water lines, sewers, and other utilities, both above and below ground, at or near the site or sites of the Work or at any other location affected by the prosecution of the Work or the transportation or utilization of workers, equipment, or materials in connection with the Work. The Contractor shall provide, in a timely manner and in advance, written notice to: 1) the City department having charge of any property, right of way, or utility affected by the Work; 2) any utility having charge of any utility affected by the Work; and 3) any private property owner whose property or improvements will be affected by the Work, and shall make all necessary arrangements with such City department, utility, or private property owner for the removal and replacement or the protection of such property. The Contractor shall arrange and obtain any utility locations required by law or necessary to protect utilities or underground facilities on public or private property and shall be liable for any failure to obtain or comply with such utility locations. To the extent that any permit or license is required by a City department or other governmental entity for any work on public property, said permit or license shall be obtained and paid for by the Contractor in advance of performing the Work and shall be complied with in the performance of the Work. If the Contractor or its employees, agents, or subcontractors destroy or damage any property, public or private, the Contractor shall promptly repair or replace such property, to the reasonable satisfaction of the Department, before the City will accept or pay for the Work performed. If the Contractor fails to make such repairs or replacement, the Executive Director or their designee may, at the Executive Director's or their designee's discretion, undertake such repair or replacement and deduct the cost of the same from amounts payable to the Contractor under this Agreement.
- ersons from injury, death or loss. The Contractor shall be responsible for being fully familiar with and complying with all applicable City, state or federal laws, ordinances, rules and regulations, requirements and guidelines, including the Occupational Safety and Health Act and any regulations or directives adopted thereunder ("Safety Laws"). The Contractor shall promptly notify the City in writing of any violations of said Safety Laws, along with copies of any injury reports, and any citations, orders, or warnings issued by governmental agencies in the enforcement of said Safety Laws. The Contractor shall provide and properly locate all necessary protective devices and safety precautions, including warning signs, barricades, or other devices or precautions as required by Safety Laws or the City. For all operations requiring the placement and movement of equipment or materials, the Contractor shall observe and exercise, and shall direct its employees or agents to observe and exercise, all appropriate and prudent caution so as to avoid injury to persons or damage to property and to minimize annoyance to or undue interference with the movement of the public and the performance of City functions. All ladders,

scaffolding, or other devices used to reach objects not otherwise accessible, shall be of sound construction, firm and stable and shall be maintained in good, operable condition. All such equipment shall be moved, placed, shifted, and removed from work areas in such a manner as to provide maximum safety to persons and property and cause the least possible interference with the normal usage of such areas by the public and City personnel.

- F. <u>Disposal of Non-Hazardous Waste at DADS</u>: In accordance with Executive Order 115 and the Landfill Agreement made between the City and Waste Management of Colorado, Inc., the Contractor will be required to haul dedicated loads (non-hazardous entire loads of waste) to the Denver-Arapahoe Disposal Site ("DADS") for disposal. DADS is located at Highway 30 and Hampden Avenue in Arapahoe County, Colorado. The City will pay all fees associated with such disposal but the Contractor shall be responsible for the costs of transporting the loads. Non-hazardous waste is defined as those substances and materials not defined or classified as hazardous by the Colorado Hazardous Waste Commission pursuant to C.R.S. §25-15-207, as amended from time to time, and includes construction debris, soil and asbestos. Proposals shall not use Gun Club Road between I-70 and Mississippi Avenue as a means of access to DADS.
- **G.** Prohibition on Use of CCA-Treated Wood Products: The use of any wood products pressure-treated with chromated copper arsenate (CCA) is prohibited. Examples of CCA-treated wood products include wood used in play structures, decks, picnic tables, landscaping timbers, fencing, patios, walkways and boardwalks.
- H. Waiver of Part 8 of Article 20 of Title 13, Colorado Revised Statutes: The Contractor specifically waives all the provisions of Part 8 of Article 20 of Title 13, Colorado Revised Statutes regarding defects in the Work under this Agreement.
- Liens and Other Encumbrances: The Contractor shall not permit any mechanic's or materialman's liens or any other liens to be imposed and remain for more than ninety (90) days upon any City-owned property, or any part thereof, by reason of any worker labor performed or materials or equipment furnished by any person or legal entity to or on behalf of the Contractor, either pursuant to C.R.S. § 38-26-107 or by any other authority. The Contractor shall promptly pay when due all bills, debts and obligations incurred in connection with this Agreement and shall not permit the same to become delinquent. The Contractor shall not permit any lien, mortgage, judgment, execution or adjudication of bankruptcy which will in any way impair the rights of the City under this Agreement. The Contractor will indemnify and save harmless the City for the extent of any and all payments, interests, and penalties resulting from failure to comply with this section. The Contractor's obligations set out in this section shall survive the termination of this Agreement.
- **J.** Environmental Compliance: The Contractor shall obtain all necessary federal, state, and local environmental permits and comply with all applicable federal, state, and local environmental permit requirements relating to the Work. The Contractor shall comply with all applicable local, state, and federal environmental guidelines, rules, regulations, statutes, laws, and orders (collectively, "Environmental Requirements"), including but not limited to Environmental Requirements regarding the storage, use, transportation, and disposal of Hazardous Materials and regarding releases or threatened releases of Hazardous Materials to the environment. The term "Hazardous Materials" shall mean asbestos and asbestos-containing materials, special wastes, polychlorinated biphenyls (PCBs), any petroleum products, natural gas, radioactive source material, pesticides, any hazardous waste as defined at 42 U.S.C. § 6903(5) of the Solid Waste Disposal Act, any hazardous substance as defined at 42 U.S.C. § 9601(14) of the Comprehensive Environmental Response, Compensation and Liability Act, and chemical substance as defined at 15 U.S.C.§ 2602(2) of the Toxic

Substances Control Act, and any guidelines issued and rules or regulations promulgated pursuant to such statutes or any other applicable federal or state statute.

- **K.** Attorney's Fees: Colorado Revised Statute 38-26-107 requires that in the event any person or company files a verified statement of amounts due and unpaid in connection with a claim for labor and materials supplied on this project the City shall withhold from payments to the Contractor sufficient funds to insure the payment of any such claims. Should the City and County of Denver be made a party to any lawsuit to enforce such unpaid claims or any lawsuit arising out of or relating to such withheld funds, the Contractor agrees to pay to the City its costs and reasonable attorney's fee which cost shall be included as a Cost of the Work. Because the City Attorney Staff does not bill the City for legal services on an hourly basis, the Contractor agrees a reasonable fee shall be computed at the rate of two hundred dollars per hour of City Attorney time.
- L. <u>Environmental Sustainability</u>: The Contractor shall demonstrate commitment to and experience in environmental sustainability and public health protection practices applicable to its line of services including, but not limited to, construction waste recycling and energy efficiency. The Contractor shall work to reduce landfill waste by recycling and/or salvaging recyclable materials. Where applicable, vendor shall procure and install fixtures and equipment that reduce energy use.
- 4. <u>TERM</u>: The term of this Agreement will commence upon November 1, 2024, and will continue through March 31, 2026 (the "Term"). The Term may be extended on the same terms and conditions, for two optional (1) one-year renewal term, upon written amendment to this Agreement prior to the expiration of the current term. Subject to the Executive Director's prior written authorization, the Contractor shall complete any work in progress as of the expiration date and the Term will extend until the work is completed or earlier terminated by the Executive Director. The Contractor agrees to comply with all applicable Contract close-out procedures and requirements set forth in the Contract and as otherwise directed by the Executive Director or their designee.

# 5. <u>COMPENSATION AND PAYMENT</u>:

- A. Maximum Contract Amount: Each Project will be assigned and authorized separately by Work Order and the maximum liability of the City for any one Work Order shall not exceed the sum of ONE MILLION DOLLARS AND ZERO CENTS (\$1,000,000.00), including all authorized Work Order changes, without the prior written approval of the Executive Director or their designee. The Maximum Contract Amount to be paid by the City to the Contractor for satisfactory completion of all Work Orders authorized by the City and performed by the Contractor under this Agreement shall in no event exceed the sum of ONE MILLION DOLLARS AND ZERO CENTS (\$1,000,000.00), unless this Agreement is modified to increase said amount by a duly authorized and written amendment to Agreement executed by the Parties in the same manner as Agreement. The Maximum Contract Amount stated herein is not intended, and shall not be construed, as a promise or guarantee to the Contractor that the final price payable to the Contractor for all of the authorized Work will equal the Maximum Contract Amount.
- B. <u>Conditions of Payment</u>: Payment shall be made upon satisfactory completion of the Work in accordance with the Work Order issued and this Agreement. A properly issued and signed final receipt and lien waiver shall be a condition precedent to any obligation for the City to make final payment for Work performed by the Contractor. The request for payment submitted by the Contractor must fully document and itemize the Work rendered and all equipment, supplies, materials, labor, and other authorized and actually incurred costs. The request for payment shall affirmatively represent that: i) all of the Work specified in the Work Order has been fully performed and completed and any Deficiency

Notice has been satisfied; ii) no claims, liens, or amounts owed to employees, suppliers, or materialmen are outstanding and all requirements and conditions of section 13 below have been fully complied with; iii) all rights, title and interests to the materials or improvements provided or installed as the result of the Work have transferred to the City; and iv) no interest or encumbrance of any kind associated with the Work will be asserted, has been acquired, or will be made by the Contractor or any other person or entity. If the request for payment does not contain these representations, the representations are hereby deemed to contain them. The request for payment must be approved by the Executive Director or their designee in writing in order to be eligible for compensation under this Agreement. Any payment may be reduced by any liquidated damages assessed by the Executive Director or their designee under sub-section 7.D.2 below.

- **C.** <u>Subject to Appropriation; No Multiple Year Obligation</u>: It is understood and agreed that any payment obligation of the City hereunder, whether direct or contingent, shall extend only to funds appropriated by the Denver City Council for the purpose of this Agreement, encumbered for the purpose of this Agreement and paid into the Treasury of the City. The Contractor acknowledges that (i) the City does not by this Agreement, irrevocably pledge present cash reserves for payments in future fiscal years, and (ii) this Agreement is not intended to create a multiple-fiscal year direct or indirect debt or financial obligation of the City.
- **D.** <u>Amendments</u>: The Contractor acknowledges that the City is not obligated to execute an amendment to this Agreement, and that any work performed by the Contractor beyond that specifically described or allowed under this Agreement or without a fully and properly executed amendment to this Agreement is performed at the Contractor's risk and without authorization under this Agreement.
- E. Compliance With Denver Wage Laws: To the extent applicable to the Contractor's provision of Services hereunder, the Contractor shall comply with, and agrees to be bound by, all rules, regulations, requirements, conditions, and City determinations regarding the City's Minimum Wage and Civil Wage Theft Ordinances, Sections 58-1 through 58-26 D.R.M.C., including, but not limited to, the requirement that every covered worker shall be paid all earned wages under applicable state, federal, and city law in accordance with the foregoing D.R.M.C. Sections. By executing this Agreement, the Contractor expressly acknowledges that the Contractor is aware of the requirements of the City's Minimum Wage and Civil Wage Theft Ordinances and that any failure by the Contractor, or any other individual or entity acting subject to this Agreement, to strictly comply with the foregoing D.R.M.C. Sections shall result in the penalties and other remedies authorized therein.
- 6. FINANCIAL ASSURANCES: Without limiting or waiving any other responsibilities or obligations of the Contractor under this Agreement, the Contractor shall provide a payment and performance bond(s), an irrevocable letter of credit, or other performance guarantees. A bond in the amount of Twenty-five Thousand Dollars (\$25,000.00) shall be provided at the time of Contract execution substantially in the form specified in Exhibit E, which is attached hereto and incorporated herein by reference. In the event the dollar amount of Work authorized under all Work Orders exceeds this amount, the Contractor shall provide properly executed bond Change Riders, in the form specified in **Exhibit F**, totaling the amount of all authorized Work Orders/Task Orders (the "Surety"). The form of letters of credit or other performance guarantees must be acceptable to the City Attorney. The Contractor shall deliver to the Executive Director, prior to the execution of this Agreement, a fully executed Surety which shall provide effective and sufficient financial assurance for the full and faithful performance of the Contractor's duties and obligations under this Agreement and the payment of bills for labor and materials for the Work, along with appropriate powers of attorney. 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 Agreement 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 Agreement. The Surety shall also assure the repair or replacement of any Work found to be defective or otherwise not in compliance with this Agreement. The Surety shall remain in effect or be promptly renewed or replaced by another Surety acceptable to the City during the Term of the Agreement and during the Term of any Extension Amendment and for a ninety (90) day period after the expiration or termination of this Agreement or any Extension Amendment and any warranty period or other period prescribed by law. Satisfactory proof of renewal or acceptable replacement must be provided to the Executive Director 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 expiration or termination of this Agreement and failure to obtain or maintain said Surety shall be grounds for immediate termination.

# 7. TERMINATION & REMEDIES:

- A. <u>Termination for Convenience of the City</u>: The Executive Director or their designee, upon giving twenty (20) calendar days written notice (unless a longer period is given), may terminate this Agreement, in whole or part, when it is in the best interest of the City as determined by the Executive Director or their designee. To the extent that the Contractor has initiated or completed Work for which the Contractor has not yet been compensated in accordance with this Agreement, appropriate compensation for all such authorized Work shall be paid to the Contractor in accordance with this Agreement.
- **B.** <u>Termination, With Cause, by the City</u>: The occurrence of any one or more of the following shall constitute a breach of this Agreement ("Breach"), for which the Executive Director may, at the Executive Director's option, either terminate Agreement or withdraw a Work Order, with cause, upon written notice to the Contractor:
- 1) The Contractor fails or refuses, within three (3) calendar days of being notified, to expeditiously and actively undertake or substantially or timely perform its responsibilities and obligations or fails or refuses to make adequate progress in performing its responsibilities and obligations under this Agreement, including the due diligence obligations set forth in section 1 of this Agreement or the Work methods under section 2 of this Agreement, provided that the failure or refusal to undertake, make good progress, or complete the Work is not due to matters beyond the Contractor's control such as weather disaster or persistent bad weather, floods, or other acts of God, civil unrest, acts of the public enemy, national calamity, or strike at a manufacturer or supplier for the Work Project;
- 2) There is substantial evidence that it has been or will be impossible for the Contractor to perform the Work required due to matters within the Contractor's control such as voluntary bankruptcy, strikes, boycotts, and labor disputes involving the Contractor's employees or closure or suspension of operations by regulatory order of a governmental entity or an order of a court due to violations or infractions by the Contractor or Contractor's employees;
- 3) The Contractor has persistently or flagrantly failed to perform the Work or failed to timely perform the Work or to comply with the specifications and requirements as set forth in the Scope of Work in *Exhibit A* to this Agreement;
- 4) The Contractor has submitted one or more requests for payment under this Agreement that are fraudulent or persistently or flagrantly erroneous or misleading;
- 5) The Contractor has made an assignment or transfer of, or subcontracted, its responsibilities and obligations under this Agreement without obtaining the Executive Director's written consent or not in conformance with this Agreement;

- 6) The Contractor fails to obtain, renew, replace, or maintain the insurance coverage required by this Agreement or causes or is at fault for damage to property or injury to persons that is not covered or not adequately covered by insurance and the Contractor fails to remedy the situation to the satisfaction of the Executive Director or their designee;
- 7) The Contractor fails to obtain or properly and timely maintain any financial assurances required by this Agreement;
- 8) Any lien is filed against City property because of any act or omission of the Contractor and is not timely discharged, unless the Contractor furnishes to the City such bond or other financial assurance reasonably acceptable to the Manager to protect the interests of the City;
- 9) The Contractor has failed to obtain or maintain any required permit or license or has utilized personnel or workers not licensed or registered as required by law;
- 10) The Contractor has failed to deliver title or warranties or has failed to honor warranties as required by this Agreement;
- 11) The Contractor fails, within three (3) calendar days of being notified, to comply with, or fails to compel its subcontractors to comply with, the prevailing wage requirements or other City ordinances applicable to the type and nature of Work being performed under this Agreement; or
- 12) The Contractor or any of its officers or employees are convicted, plead <u>nolo</u> <u>contendere</u>, enter into a formal contract in which they admit guilt, enter a plea of guilty, or otherwise admit culpability to criminal offenses of bribery, kickbacks, collusive bidding, bid-rigging, antitrust, fraud, undue influence, theft, racketeering, extortion or any offense of a similar nature, in connection with the Contractor's business.
- C. <u>Compensation</u>: Upon termination of this Agreement by the City, with cause, under sub-section 7.B above, the Contractor shall be compensated for the Work that the Executive Director or their designee determines to have been satisfactorily completed, except that the City shall be entitled to keep any unpaid amount owing to the Contractor to the extent that said amount or some portion of said amount is needed to compensate the City for: 1) liquidated damages, if specified under sub-section 7.D.2. below; 2) the costs of releasing any liens or satisfying any claims related to the Contractor's Work; and 3) the costs of paying a new contractor for those services necessary to complete or rectify the Contractor's Work or to repair or replace any damaged or lost property caused by the Breach of this Agreement. The Contractor shall have no claim of any kind whatsoever against the City for any termination with cause, except for compensation for the Work satisfactorily performed as described herein.

# D. Remedies:

- shall have the right to any or all of the following remedies through the courts or other means of legal recourse available to the City: a) cancellation of the Contract; b) actual damages or costs caused by Breach of the Contractor; and c) recovery of costs incurred by the City itself in paying for the release of liens related to the Contractor's Work or in completing or rectifying the Contractor's Work or in retaining and compensating another contractor to complete or rectify the Contractor's Work, to the extent not covered in sub-section 7.C. above. In any legal action brought by the Contractor, the Contractor shall not be entitled to recover any more than the full amount, not previously paid, of any Work Orders executed with and performed in whole or part by the Contractor. The City and the Contractor understand and agree that the rights of specific performance and to incidental, consequential, or punitive damages have been hereby expressly waived and released by both Parties.
- **2)** Liquidated Damages: If the Executive Director or their designee determines, for a Breach of Agreement under sub-section 7.B above, not to terminate this Agreement but to apply liquidated damages as provided in this paragraph, the Contractor shall be liable to the City for

liquidated damages in the amount of one hundred dollars (\$100.00) per day, calculated from the day that the Executive Director or their designee issues notice to the Contractor of a Breach under sub-section 7.B through a) the day before the Breach is remedied, or b) the day before a new Work Order or Agreement is executed with another contractor to perform the Work, as so determined by the Executive Director or their designee. The Contractor and City hereby acknowledges and agrees that it would be impractical and extremely difficult to estimate the damages which the City might incur for said breach, and that, in the interest of assuring that the Work is timely and properly performed, the liquidated damages provided herein is the most fair and reasonable way to compensate the City for any delay or inadequate performance without termination of this Agreement or litigation.

- 8. <u>WHEN RIGHTS AND REMEDIES NOT WAIVED</u>: 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 Contractor. 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 this Agreement constitutes a waiver of any other breach.
- 9. <u>INDEPENDENT CONTRACTOR</u>: The Contractor is an independent contractor retained to perform services for limited periods of time. Neither the Contractor 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. The Contractor is responsible for the operational management, errors and omissions of the Contractor's employees, agents, and subcontractors. Without limiting the foregoing, the Contractor understands and acknowledges that the Contractor and the Contractor's employees, agents and subcontractors: a) are not entitled to workers' compensation benefits through the City; b) are not entitled to unemployment insurance benefits unless unemployment compensation coverage is provided by the Contractor or some other entity besides the City; and c) are obligated to pay federal and state taxes on any monies earned pursuant to this Agreement. Furthermore, it is understood and agreed that nothing in this Agreement is intended, or shall be construed, to constitute a joint venture between the Parties.

# 10. **INSURANCE**:

**General Conditions:** The Contractor agrees to secure, at or before the time of execution of this Agreement, the following insurance covering all operations, goods or services provided pursuant to this Agreement. The Contractor shall keep the required insurance coverage in force at all times during the term of this Agreement, or any extension thereof, during any warranty period, and for three (3) years after termination of this Agreement. The required insurance shall be underwritten by an insurer licensed or authorized to do business in Colorado and rated by A.M. Best Company as "A-VIII" or better. Each policy shall contain a valid provision or endorsement requiring notification to the City in the event any of the above-described policies be canceled or non-renewed before the expiration date thereof. Such written notice shall be sent to the parties identified in the Notices section of this Agreement. Such notice shall reference the City contract number listed on the signature page of this Agreement. Said notice shall be sent thirty (30) days prior to such cancellation or non-renewal unless due to non-payment of premiums for which notice shall be sent ten (10) days prior. If such written notice is unavailable from the insurer, the Contractor shall provide written notice of cancellation, non-renewal and any reduction in coverage to the parties identified in the Notices section by certified mail, return receipt requested within three (3) business days of such notice by its insurer(s) and referencing the City's contract number. If any policy is in excess of a deductible or self-insured retention, the City must be notified by the Contractor. The Contractor shall be responsible for the payment of any deductible or self-insured retention. The insurance coverages specified in this Agreement are the minimum requirements, and these requirements do not lessen or limit the liability of the Contractor. The Contractor shall maintain, at its own expense, any

additional kinds or amounts of insurance that it may deem necessary to cover its obligations and liabilities under this Agreement.

- **B.** Proof of Insurance: Proof of Insurance: The Contractor may not commence services or work relating to the Agreement prior to placement of coverages required under this Agreement. The Contractor certifies that the certificate of insurance attached as *Exhibit G*, preferably an ACORD form, complies with all insurance requirements of this Agreement. The City requests that the City's contract number be referenced on the Certificate. The City's acceptance of a certificate of insurance or other proof of insurance that does not comply with all insurance requirements set forth in this Agreement shall not act as a waiver of the Contractor's breach of this Agreement or of any of the City's rights or remedies under this Agreement. The City's Risk Management Office may require additional proof of insurance, including but not limited to policies and endorsements.
- C. <u>Additional Insured</u>: For Commercial General Liability, Auto Liability, Contractors Pollution Liability (if required) and Excess Liability/Umbrella (if required), the Contractor and subcontractor's insurer(s) shall include the City and County of Denver, its elected and appointed officials, employees and volunteers as additional insured.
- **D.** <u>Waiver of Subrogation</u>: For all coverages required under this Agreement, the Contractor's insurer shall waive subrogation rights against the City.
- **E.** <u>Subcontractors and Subconsultants</u>: The Contractor shall confirm and document that all subcontractors and subconsultants (including independent contractors, suppliers or other entities providing goods or services required by this Agreement) procure and maintain coverage as approved by the Contractor and appropriate to their respective primary business risks considering the nature and scope of services provided.
- F. Workers' Compensation/Employer's Liability Insurance: The Contractor shall maintain the coverage as required by statute for each work location and shall maintain Employer's Liability insurance with limits of \$100,000 per occurrence for each bodily injury claim, \$100,000 per occurrence for each bodily injury caused by disease claim, and \$500,000 aggregate for all bodily injuries caused by disease claims.
- **G.** <u>Commercial General Liability</u>: The Contractor shall maintain a Commercial General Liability insurance policy with limits of \$1,000,000 for each occurrence, \$1,000,000 for each personal and advertising injury claim, \$2,000,000 products and completed operations aggregate, and \$2,000,000 policy aggregate.
- **H.** Automobile Liability: The Contractor shall maintain Automobile Liability with minimum limits of \$1,000,000 combined single limit applicable to all owned, hired and non-owned vehicles used in performing services under this Agreement. If transporting wastes, hazardous material, or regulated substances, the Contractor shall carry a pollution coverage endorsement and an MCS 90 endorsement on their policy. Transportation coverage under the Contractors Pollution Liability policy shall be acceptable replacement for a pollution endorsement to the Business Automobile Liability policy.
- I. <u>Builder's Risk or Installation Floater</u>: The Contractor shall maintain limits equal to the completed value of the project. Coverage shall be written on an all risk, replacement cost basis including coverage for soft costs, flood and earth movement, if in a flood or quake zone, and, if applicable, equipment breakdown including testing. The City and County of Denver, the Contractor, and subcontractors shall be Additional Named Insureds under the policy. Policy shall remain in force until acceptance of the project by the City.

# 11. **DEFENSE AND INDEMNIFICATION:**

- A. The Contractor hereby agrees to defend, indemnify, reimburse and hold harmless the 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 the Contractor 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.** The Contractor'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. The Contractor'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. The Contractor shall defend any and all Claims which may be brought or threatened against City and shall 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 will be in addition to any other legal remedies available to City and will not be the City's exclusive remedy.
- **D.** Insurance coverage requirements specified in this Agreement in no way lessen or limit the liability of the Contractor under the terms of this indemnification obligation. The Contractor shall obtain, at its own expense, any additional insurance that it deems necessary for the City's protection.
- **E.** This defense and indemnification obligation shall survive the expiration or termination of this Agreement.
- 12. <u>COLORADO GOVERNMENTAL IMMUNITY ACT</u>: The Parties hereto understand and agree that the City is relying upon, and has not waived, the monetary limitations and all other rights, immunities and protection provided by the Colorado Governmental Act, § 24-10-101 *et seq.*, C.R.S.
- 13. <u>TAXES, CHARGES AND PENALTIES</u>: 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 Contractor shall promptly pay when due, all taxes, bills, debts and obligations it incurs performing the services under this Agreement and shall not allow any lien, mortgage, judgment or execution to be filed against City property.
- 14. <u>COMPLIANCE WITH ALL LAWS</u>: The Contractor 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.
- **15. EXAMINATION OF RECORDS:** Any authorized agent of the City, including the City Auditor or his or her representative, has the right to access, and the right to examine, copy and retain copies, at City's election in paper or electronic form, any pertinent books, documents, papers and records related to the Contractor's performance pursuant to this Agreement, provision of any goods or services to the City, and any other transactions related to this Agreement. The Contractor shall cooperate with City

representatives and City representatives shall be granted access to the foregoing documents and information during reasonable business hours and until the latter of three (3) years after the final payment under this Agreement or expiration of the applicable statute of limitations. When conducting an audit of this Agreement, the City Auditor shall be subject to government auditing standards issued by the United States Government Accountability Office by the Comptroller General of the United States, including with respect to disclosure of information acquired during the course of an audit. No examination of records and audits pursuant to this paragraph shall require the Contractor to make disclosures in violation of state or federal privacy laws. The Contractor shall at all times comply with D.R.M.C. 20-276.

- 16. ASSIGNMENT; SUBCONTRACTING: The Contractor shall not voluntarily or involuntarily assign any of its rights or obligations under this Agreement without obtaining the Executive Director's prior written consent. Any assignment or subcontracting without such consent as is required by this Agreement will be ineffective and void and will be cause for termination of this Agreement by the City. The Executive Director, or their designee, has sole and absolute discretion whether to consent to any assignment or subcontracting, or to terminate this Agreement because of unauthorized assignment or subcontracting. In the event of any subcontracting or unauthorized assignment: (i) the Contractor shall remain responsible to the City; and (ii) no contractual relationship shall be created between the City and any sub-consultant, subcontractor or assign.
- 17. NO THIRD PARTY BENEFICIARY: Enforcement of the terms of this Agreement and all rights of action relating to enforcement are strictly reserved to the parties. Nothing contained in this 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 Contractor receiving services or benefits pursuant to this Agreement is an incidental beneficiary only.
- **18. NO AUTHORITY TO BIND CITY TO CONTRACTS:** The Contractor 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.
- 19. AGREEMENT AS COMPLETE INTEGRATION-AMENDMENTS: This Agreement is the complete integration of all understandings between the parties as to the subject matter of this Agreement. No prior, contemporaneous or subsequent addition, deletion, or other modification has any force or effect, unless embodied in this Agreement in writing. No oral representation by any officer or employee of the City at variance with the terms of this Agreement or any written amendment to this Agreement will have any force or effect or bind the City.
- **20. SEVERABILITY:** Except for the provisions of this Agreement requiring appropriation of funds and limiting the total amount payable by the City, if a court of competent jurisdiction finds any provision of this 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.

# 21. CONFLICT OF INTEREST:

- **A.** No employee of the City shall have any personal or beneficial interest in the services or property described in this Agreement. The Contractor 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 Contractor shall not engage in any transaction, activity or conduct that would result in a conflict of interest under this Agreement. The Contractor 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 Contractor by placing the Contractor's own interests, or the interests of any party with whom the Contractor 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 this Agreement if it determines a conflict exists, after it has given the Contractor written notice describing the conflict.

**22. NOTICES:** All notices required by the terms of this Agreement must be hand delivered, sent by overnight courier service, mailed by certified mail, return receipt requested, or mailed via United States mail, postage prepaid, if to the Contractor at the address first above written, and if to the City at:

By Contractor to: Executive Director of General Services

201 West Colfax Avenue, Dept. 304

Denver, Colorado 80202

And by the City to: Braconier Plumbing & Heating Co., Inc.

4925 Nome St.

Denver, Colorado 80239

Notices hand delivered or sent by overnight courier are effective upon delivery. Notices sent by certified mail are effective upon receipt. Notices sent by mail are effective upon deposit with the U.S. Postal Service. 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.

- 23. <u>DISPUTES</u>: All disputes between the City and the Contractor arising out of or regarding this Agreement will be resolved by administrative hearing pursuant to the procedure established by D.R.M.C. § 56-106(b)-(f). For the purposes of that administrative procedure, the City official rendering a final determination shall be the Executive Director as defined in this Agreement.
- **24. GOVERNING LAW; VENUE:** This 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 this 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 this Agreement will be in the District Court of the State of Colorado, Second Judicial District (Denver District Court).
- **25. NO DISCRIMINATION IN EMPLOYMENT:** In connection with the performance of work under this Agreement, the Contractor may not refuse to hire, discharge, promote, demote, or discriminate in matters of compensation against any person otherwise qualified, solely because of race, color, religion, national origin, ethnicity, citizenship, immigration status, gender, age, sexual orientation, gender identity, gender expression, marital status, source of income, military status, protective hairstyle, or disability. The Contractor shall insert the foregoing provision in all subcontracts.
- 26. <u>USE, POSSESSION OR SALE OF ALCOHOL OR DRUGS</u>: The Contractor shall cooperate and comply with the provisions of Executive Order 94 concerning the use, possession or sale of alcohol or drugs. Violation of this provision or refusal to cooperate with implementation of the policy can result in the City barring the Contractor from City facilities or participating in City operations.

## **27. PREVAILING WAGES:**

- **A.** The Contractor shall comply with, and agrees to be bound by, all requirements, conditions and City determinations regarding the Payment of Prevailing Wages Ordinance, Sections 20-76 through 20-79, D.R.M.C. including, but not limited to, the requirement that every covered worker working on a City owned or leased building or on City-owned land shall be paid no less than the prevailing wages and fringe benefits in effect on the date the bid or request for proposal was advertised. In the event a request for bids, or a request for proposal, was not advertised, the Contractor shall pay every covered worker no less than the prevailing wages and fringe benefits in effect on the date funds for the contract were encumbered. A copy of the applicable prevailing wage rate schedule is attached as *Exhibit F* and incorporated herein by reference.
  - **B.** Date bid or request for qualifications/proposals was advertised: June 26, 2024.
- C. Prevailing wage and fringe rates will adjust on the yearly anniversary of the actual date of bid or proposal issuance, if applicable, or the date of the written encumbrance if no bid/proposal issuance date is applicable. Unless expressly provided for in this Contract, the Contractor will receive no additional compensation for increases in prevailing wages or fringe benefits.
- **D.** The Contractor shall provide the Auditor with a list of all subcontractors providing any services under the contract.
- **E.** The Contractor shall provide the Auditor with electronically-certified payroll records for all covered workers employed under the contract.
- **F.** The Contractor shall prominently post at the work site the current prevailing wage and fringe benefit rates. The posting must inform workers that any complaints regarding the payment of prevailing wages or fringe benefits may be submitted to the Denver Auditor by calling 720-913-5000 or emailing auditor@denvergov.org.
- **G.** If the Contractor fails to pay workers as required by the Prevailing Wage Ordinance, the Contractor will not be paid until documentation of payment satisfactory to the Auditor has been provided. The City may, by written notice, suspend or terminate work if the Contractor fails to pay required wages and fringe benefits.

# 28. MWBE PROGRAM GOAL:

- A. This Agreement is subject to Article V of Chapter 28, Denver Revised Municipal Code ("D.R.M.C."), designated as §§ 28-117 to 28-199 (the "Goods and Services Ordinance"); and any Rules and Regulations promulgated pursuant thereto. The Contractor Goal for MWBE participation for this Agreement is 11% as stipulated in the DSBO MWBE Commitment Form submitted by the Contractor.
- **B.** Under § 28-132, D.R.M.C., the Contractor has an ongoing, affirmative obligation to maintain for the duration of this Agreement, at a minimum, compliance with the MWBE participation upon which this Agreement was awarded, unless there is a change in the work by the City under § 28-133, D.R.M.C. The Contractor acknowledges that:
- (1) If directed by DSBO, the Contractor is required to develop and comply with an approved Utilization Plan and the requirements therein, in accordance with § 28-129(c), D.R.M.C. Along with the Utilization Plan requirements, the Contractor must establish and maintain records and

submit regular reports, as directed by DSBO, which will allow the City to assess progress in complying with the Utilization Plan and achieving the MWBE requirement. The Utilization Plan is subject to modification by DSBO.

- (2) If contract modifications are issued under the Agreement, whether by amendment or otherwise, the Contractor shall have a continuing obligation to promptly inform DSBO in writing of any agreed upon increase or decrease in the scope of work of such contract, upon any of the bases under § 28-133, D.R.M.C., regardless of whether such increase or decrease in scope of work has been reduced to writing at the time of notification of the change to the City.
- (3) If there are changes in the work that include an increase in scope of work under this Agreement, whether by amendment or otherwise, which increases the dollar value of the contract, whether or not such change is within the scope of work designated for performance by an MWBE at the time of contract award, such change or modification shall be immediately submitted to DSBO for notification purposes.
- (4) Those amendments or other modifications that involve a changed scope of work that cannot be performed by existing subcontractors shall be subject to the original requirement on the contract. The Contractor shall satisfy such requirement with respect to the changed scope of work by soliciting new MWBEs in accordance with §§ 28-133, D.R.M.C. The Contractor must also satisfy the requirements under §§ 28-128 and 28-136, D.R.M.C., with regard to changes in MWBE scope or participation. The Contractor shall supply to DSBO all required documentation under §§ 28-128, 28-133, and 28-136, D.R.M.C., with respect to the modified dollar value or work under the contract.
- (5) If applicable, for contracts of one million dollars (\$1,000,000.00) and over, the Contractor is required to comply with § 28-135, D.R.M.C., regarding prompt payment to MWBEs. Payment to MWBE subcontractors shall be made by no later than thirty-five (35) days after receipt of the MWBE subcontractor's invoice.
- (6) Termination or substitution of an SBE subcontractor requires compliance with § 28-136, D.R.M.C.
- (7) Failure to comply with these provisions may subject the Contractor to sanctions set forth in § 28-139 of the Goods and Services Ordinance.
- (8) Should any questions arise regarding DSBO requirements, the Contractor should consult the Goods and Services Ordinance or may contact the designated DSBO representative at (720) 913-1999.
- 29. <u>LEGAL AUTHORITY</u>: The Contractor 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 this Agreement. Each person signing and executing this Agreement on behalf of the Contractor represents and warrants that he has been fully authorized by the Contractor to execute this Agreement on behalf of Contractor and to validly and legally bind the Contractor to all the terms, performances and provisions of this Agreement. The City shall have the right, in its sole discretion, to either temporarily suspend or permanently terminate this Agreement if there is a dispute as to the legal authority of either the Contractor the person signing this Agreement to enter into this Agreement.
- **30. NO CONSTRUCTION AGAINST DRAFTING PARTY:** The parties and their respective counsel have had the opportunity to review this Agreement, and this Agreement will not be construed against any party merely because any provisions of this Agreement were prepared by a particular party.

31. <u>CONTRACT DOCUMENTS; ORDER OF PRECEDENCE</u>: This Agreement consists of sections 1 through 38 which precede the signature page(s) ("Contract Text"), and the following exhibits and attachments which are incorporated herein and made a part hereof by reference:

Exhibit A Scope of Work and Technical Requirements Exhibit B Billing Rates Exhibit C Work Order Form Work Order Change Form Exhibit D Exhibit E Payment & Performance Bond Exhibit F Prevailing Wage Rate Schedules Exhibit G Certificate of Insurance Exhibit H FBI CJIS Security Addendum

In the event of an irreconcilable conflict (i) between a provision of the Contract Text and any of the listed exhibits or attachments or (ii) among provisions of any exhibits or attachments, such that it is impossible to give reasonable effect to all, the order of precedence to determine which document shall control to resolve such conflict, is as follows, in descending order:

Contract Text; Exhibit A; Exhibit B; Exhibit C; Exhibit D; Exhibit E; Exhibit F

- **SURVIVAL OF CERTAIN PROVISIONS:** The terms of this Agreement and any exhibits and attachments that by reasonable implication contemplate continued performance, rights, or compliance beyond expiration or termination of this Agreement survive this Agreement and will continue to be enforceable. Without limiting the generality of this provision, the Contractor'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.
- **33.** <u>TIME IS OF THE ESSENCE</u>: The Parties agree that in the performance of the terms, conditions, and requirements of this Agreement, time is of the essence.
- **34. SECTION HEADINGS:** The captions and headings set forth herein are for convenience of reference only and shall not be construed so as to define or limit the terms and provisions hereof.
- 35. <u>CITY EXECUTION OF CONTRACT</u>: This 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.
- history record information and other sensitive information maintained in local, state, and FBI-managed criminal justice information systems by the Contractor are subject to the terms of this Agreement; 28 C.F.R. Part 20, Criminal Justice Information Systems; 18 U.S.C. § 2721, Prohibition on release and use of certain personal information from State motor vehicle records; Public Law 92-544; the National Crime Prevention and Privacy Compact; the National Crime Information Center ("NCIC") operating manual and polices; the most recent Criminal Justice Information Services Security Policy; and Exhibit H, the Federal Bureau of Investigation ("FBI") Criminal Justice Information Services Security Addendum, attached hereto and incorporated herein by reference. Private contractors who perform criminal justice functions and have access to Criminal Justice Information ("CJI") shall meet the same training and certification criteria required of governmental agencies performing a similar function and are subject to audit to the same extent as local agencies. Before receiving access to CJI or Federal Criminal History Record Information ("CHRI"), the Contractor and its individual employees must complete the attached CJIS Security Addendum certification page in Exhibit H. The Contractor shall maintain signed CJIS Security

Addendum certification pages for its personnel and shall provide copies to the City upon request.

- 37. <u>ELECTRONIC SIGNATURES AND ELECTRONIC RECORDS</u>: The Contractor consents to the use of electronic signatures by the City. This Agreement, and any other documents requiring a signature under this Agreement, 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 this 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 this 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.
- **38. INUREMENT:** The rights and obligations of the parties to this 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 this Agreement.

# ATTACHED EXHIBITS

T 1 11 1/4 A	C CW 1 1T 1 1D 1
Exhibit A	Scope of Work and Technical Requirements
Exhibit B	Billing Rates
Exhibit C	Work Order Form
Exhibit D	Work Order Change Form
Exhibit E	Payment & Performance Bond
Exhibit F	Prevailing Wage Rate Schedules
Exhibit G	Certificate of Insurance
Exhibit H	FBI CJIS Security Addendum

[REMAINDER OF PAGE INTENTIONALLY LEFT BLANK; SIGNATURE PAGES FOLLOW.]

Contract Control Number: Contractor Name:	GENRL-202475608-00 BRACONIER PLUMBING & HEATING CO., INC.	
IN WITNESS WHEREOF, the parti Denver, Colorado as of:	es have set their hands and affixed their seals at	
SEAL	CITY AND COUNTY OF DENVER:	
ATTEST:	By:	
APPROVED AS TO FORM:	REGISTERED AND COUNTERSIGNED:	
Attorney for the City and County of D	enver	
By:	By:	
	By:	

# Contract Control Number: Contractor Name:

# GENRL-202475608-00

BRACONIER PLUMBING & HEATING CO., INC.

Ву: _	Docusigned by:  Curis Watts  9A936239B8F644E
Name:	Chris Watts (please print)
Title: _	Director of Service Ops (please print)
ATTE By:	ST: [if required]
Name:	(please print)
Title:	(please print)

# **EXHIBIT A:** SCOPE OF WORK AND TECHNICAL REQUIREMENTS:

## **A.1** SCOPE OF WORK/ REQUIREMENTS

The City and County of Denver (City) is contracting with the contractor to provide all necessary equipment, tools, and qualified/trained personnel to perform on-call plumbing repair and maintenance services at various Citywide locations, excluding Denver International Airport. Work assignments may include but is not limited to plumbing repairs, repair and replacement of leaking pipes, faucets, valves and fixtures, maintenance and installation of distribution systems, drain systems and equipment, water circulating systems, water heaters, boilers, sewer backup, clearing clogged drains, backflow preventors, sump pumps, gas pipes, insulation and heat tape. The work may also include maintenance, reconditioning, and troubleshooting all plumbing on-call emergencies. Contractor must be a plumbing contractor with a current/valid City and County of Denver Plumbing Class A Contractors license in good standing at both the city and state level.

Exact quantities or work are unknown as the resulting work assignments under this contract will be on an as needed basis; the City is not required to order more than the City's actual requirements. The contractor is responsible for providing proper equipment and trained personnel to complete each work project. Upon request by the City, contractor shall be required to provide a detailed project schedule and progress report for any work order.

Whenever building material will be disturbed, renovated, is damaged, or needs to be demolished, the contractor shall contact the Denver Department of Public Health and Environment, with the scope of work prior to commencing work in order to evaluate any potential environmental concerns or abatement needs.

The contractor is required to provide to the General Services Contracts Office a centralized point of delivery for all contract related communication to include but not limited to work order assignments, invoicing, annual insurance renewals and general contract communication.

# In the event friable asbestos or other hazardous material is encountered, contractor shall notify the City and the City will be responsible for abatement.

The contractor is to be present on the job site or represented by an employee fully controlled by them, with authority to interact with the City representatives and always supervise the work is being performed in accordance with industry standards. The contactor is to create schedules for doing work and adhere to these schedules. When the contractor begins working on the project, the contractor is to continue until the work is completed.

The on-call work process is:

To include a City approved scope of work with specifications
A quote from the contractor

Issued work order from the City

Upon request by the City, the contractor shall be required to provide a progress report for any work order.

The net Hourly Rates quoted shall be billed for on-site time only. Separate "trip-charges" and "travel time" will not be accepted or paid for by the City.

All Materials left over from a job but charged to the City and all equipment or materials removed from the City's facilities shall remain the property of the City unless identified and released by the City's representative as unsalvageable waste. Waste from the job shall be removed from the City's premises and disposed of properly by

the contractor and in compliance with XO 115 at the Denver Arapahoe Disposal Site (DADS).

"Journeyman" is defined for purposes of this agreement as a tradesman, craftsman or technician, skilled in the service performed, who is regularly paid at least the prevailing wage for the trade, and who has a minimum of five years of experience or certification of completion of a bona fide apprenticeship program for the trade, fully competent to do the work, and may apply at any gender. Contractor with apprentices who are registered with (BAT) the Bureau of Apprenticeship & Training may use those rates to calculate their quoted hourly rate. Note that BAT limits the ratio of apprentice to journeyman to a 1 to 1 ratio. See Prevailing Wage language regarding pay requirements.

Must be licensed/registered (as required) by the building inspection division of the City and County of Denver. Either an employee or an owner may hold the license but such license must be valid throughout the life of the contract. Contractor will include copy of current license/registration with the response to this process.

Contractor shall furnish all labor, materials, equipment, transportation, signage, or any and all other necessary implements to successfully perform any work order. The City shall not be responsible for providing the contractor any labor, guidance, signage, or any other items necessary for service completion. The contractor shall, if requested, furnish evidence as to the kind and quality of materials, equipment and/or articles used.

All labor, materials, equipment, transportation, signage, overhead costs, or any other associated costs or fees shall be inclusive of the pricing structure provided by the contractor as an exhibit to the contract. Contractor acknowledges that any invoices submitted with additional charges or a pricing structure that does not match the pricing in the contract exhibit will be rejected.

Contractor shall hold and keep in force all licenses and certificates which are considered standard in the appropriate industry and follow all industry best practices. The City shall maintain sole discretion to determine which licenses and certificates are considered standard in the appropriate industry, and which practices are considered "best industry practices".

For scheduled projects, service shall not be performed without first receiving an executed work order from the General Services Contracts Office. Services performed without an executed work order will be considered unauthorized, and invoices may be rejected.

Standard work hours are considered Monday through Friday 7:00AM to 5:00PM. Work will typically be performed during these standard work hours.

Non-standard work hours are considered 5:00PM – 7:00AM, weekends, and City of Denver holidays. Work may be required to be performed during non-standard work hours.

Contractor shall be permitted to charge the City a percentage increase for materials over the cost of the materials to the contractor. Upon City request, contractor must provide a copy of the materials cost documentation.

All requests for quotations for a service or project shall be performed at no charge to the City.

The contractor is responsible for providing proper equipment and trained personnel to complete each work project.

Upon request by the City, the contractor may be required to furnish SDS sheets for any and all chemicals to be used in the performance of each work project.

The contractor is responsible for the safe disposal of all materials used in this project in accordance with EPA guidelines and regulations.

## **A.2** ON-CALL SERVICES PROCEDURES:

Authorized service calls will be ordered from the City using the following procedures. Services performed without following procedure shall be considered unauthorized, and payment for such services may be rejected.

The process for assigning specific work within the on-call contracts may occur in several ways. When the City identifies a need for services with the estimated cost of \$9,999 or less, the City will select an contractor from the on-call pool. The contractor must have sufficient funding capacity remaining in their contract for the project and will be selected on a rotating basis. The contractor will have two business days to respond and furnish a quote before the City moves to the next contractor in the on-call pool. In general, the City strives to ensure an equitable distribution of both projects and total fee dollars between all contractors within the on-call pool. However, there are instances when the City requires specialty services or unique experience that may only be available from a single contractor; in these situations, the City reserves the right to select the most appropriate contractor for the work. If the estimated cost of the project is between \$10,000 and \$49,999, the City will typically conduct a minibid process to solicit proposals from at least three contractors from the on-call pool that have sufficient funding capacity remaining in their contracts for the project and will be selected on a rotating basis. The proposals from the mini-bid process will be evaluated based on pricing and the lowest bid will be awarded the project. Once the project has been awarded through selection or the mini-bid process, the General Services Contracts Office will issue a Work Order in correspondence with the proposal to be completed by the contractor.

If the cost estimate for a given project is greater than \$50,000, an Invitation to Bid may be issued through the Purchasing Division.

The contractor will not be able to perform work or invoice the City for services until an executed work order has issued by the General Services Contracts Office.

## A.3 CONSTRUCTION AND REMODELING CONTRACTING PROVISIONS:

Contractor shall be responsible for obtaining any and all permits (including the cost thereof) required to perform this installation. The installation shall be in complete compliance with City of Denver Building and Fire Codes.

The City shall at all times have the right to inspect the work and materials used in the construction of the improvements. The contractor shall furnish all reasonable aid and assistance required for the proper examination of the work and all parts thereof. The contractor shall regard and obey directions and instructions of the City's Executive Director of General Services or their authorized inspectors, when such directions or instructions are consistent with the plans and specifications for the improvements to be constructed hereunder; provided, however, that should the contractor object to any order given by the City's authorized inspector, they may make a written application to the City's Executive Director of General Services for their decision, which decision shall be final and conclusive. Such inspection shall not relieve the contractor from the obligation to construct the improvements strictly in accordance with the approved plans and specifications or any approved modification thereof.

## A.3.a PROTECTION OF PROPERTY:

The contractor shall assume full responsibility and expense for the protection of all public and private property, structures, watermains, sewers, utilities, etc., both above and below ground, at or near the site or

sites of the work being performed under the contract, or which are in any manner affected by the prosecution of the work or the transportation of people and materials in connection therewith. The contractor shall give reasonable written notice in advance to the Department of the City having charge of any property or utilities owned by the City and to other owner or owners of public or private property or utilities when they will be affected by the work to be performed under the contract, and shall make all necessary arrangements with such department, departments, owner or owners for the removal and replacement or protection of such property or utilities.

# A.3.b METHODS OF OPERATION:

Construction work started by the contractor must be continuously and actively prosecuted with an optimum complement of workmen and equipment to expedite completion in the shortest possible time. The contractor shall not organize to do the construction work without the approval of the City designated Project Manager.

All work shall be accomplished by workers proficient and experienced in the trades required and in an orderly and responsible manner in accordance with recognized standards and work plans and specifications.

Premises shall be kept clean and neat. Materials, scrap and equipment not having further use at the site shall be promptly removed from the job site. Disposal of contractor's waste materials in the City's containers is prohibited unless prior permission has been granted.

## A.3.c OSHA GUIDELINES:

The contractor shall be familiar with and operate within the guidelines as set forth by the Occupational Safety and Health Act.

For all operations requiring the placement and movement of the contractor's equipment, contractor shall observe and exercise and compel their employees to observe and exercise all necessary caution and discretion so as to avoid injury to persons, damage to property of any and all kinds, and annoyance to or undue interference with the movement of the public and City personnel.

All ladders, scaffolding or other devices used to reach the surface of objects not otherwise accessible, shall be of sound construction, firm and stable, and shall be maintained in good condition. All such equipment shall be moved onto the areas where they are required, placed, shifted where necessary, and removed from the areas in such manner as to provide maximum safety to persons and property and cause the least possible interference with the normal usage of such areas by the public and City personnel.

## **A.4** CONTRACTOR'S PERFORMANCE:

Contractor shall furnish all necessary labor, tools, equipment and supplies to perform the required services at the City facilities designated. The Executive Director of General Services or their authorized representative will decide all questions which may arise as to the quality and acceptability of any work performed under the contract. If, in the opinion of the Executive Director of General Services or their authorized representative, performance becomes unsatisfactory, the City shall notify the contractor.

The contractor will be required to correct any specific instances of unsatisfactory performance within the timeframe specified in a Notice of Deficiency issued by the Executive Director of General Services. In the event the unsatisfactory performance is not corrected within the time specified above, the City shall have the immediate right to complete the work to its satisfaction and shall deduct the cost to cover from any balances due or to become due the contractor. Repeated incidences of unsatisfactory performance will result in cancellation of the agreement for default.

# A.5 BACKGROUND CHECKS AND DISQUALIFICATION

Contractor, at its expense, must conduct a background check for each of its employees, as well as for the employees of its subcontractors, who will provide services to the City. The term "employee" for the purpose of this requirement, includes anyone who is providing services for the City under this Contract. Background checks are to be conducted through an independent background check vendor and must include the following:

- Social Security Number Trace;
- Federal Criminal Records (includes wants, warrants, arrests, convictions, and incarcerations);
- Colorado Criminal Records (includes wants, warrants, arrests, convictions, and incarcerations);
- Criminal Records from other States if the employee disclosed, or the background check identifies, that the employee lived in another state in the last seven years (includes wants, warrants, arrests, convictions, and incarcerations); and
- National Sexual Offender Registry Search.

The background check shall include all convictions for the last seven years and may include additional convictions beyond seven years when permitted and/or required by law.

Because of the sensitive location(s) of the work proposed within this solicitation, the City shall automatically disqualify from employment under this contract persons with felony convictions. Alternatively, the City may require that a fidelity bond, or such other assurance in such amount as deemed appropriate, be provided to the City as a condition precedent to grant permission where an employee's prior conviction would otherwise preclude their participation under the contract.

All contractor employees are required to self-disclose to the contractor any criminal charges and convictions and nolo contendere pleas (not contest pleas) that occur while providing services to the City within three business days of the conviction, charge, or plea. Contractor is required to inform the City of any criminal charges or convictions or nolo contendere pleas (no contest pleas) that arise while an employee is on assignment with the City. Contractor must inform the City within one business day of the contractor having knowledge of the charge, conviction, or plea. The City will determine, in its sole discretion, whether the employee will remain on a City assignment.

The background check(s) must be conducted successfully prior to initial access and/or involvement by employees. Employees who separate from the contractor's employment must undergo another background check prior to renewed access and/or involvement in providing services to the City. The City also has the ability to audit the contractor's background check process, to ensure compliance with City standards, at any time.

In addition to the foregoing background check, certain City locations require employees to pass a NCIC background check. These background checks will be administered by CBI. Contractor will be provided entrance cards for each facility. Contractor is not allowed to share cards to provide services.

The following locations require NCIC background checks:

- All Police Facilities
- All DSD Facilities
- Police Academy
- Denver Animal Shelter
- Traffic Operations
- DPD Police Precincts
- Denver Human Services Castro Building
- Other City locations may also require a NCIC background check

All work to be completed under this on-call contract will require that each person working on-site at a Denver Police Facility, City Attorney, Denver 911, Denver DA, and all other secure facilities within the City and County of Denver that has CJIS information, including all sub-contractors, to have completed CJIS Security Awareness Training. The CJIS Security Policy written and maintained by the Federal Bureau of Investigation is the standard by which all criminal justice agencies nationwide must protect the sensitive data they possess and share with authorized entities. The policy outlines requirements such as personnel security, training, encryption, physical security, media protection, access control, construction, and more. The CBI CJIS Vendor Management Program is designed to help vendors and criminal justice agencies achieve and maintain compliance more easily by providing an easier fingerprinting/vetting process, assisting with the required training, sharing audit findings, and offering resources for questions about CJIS security.

All Denver Law Enforcement is now requiring that the Federal CJIS background check be completed to work at any site connected to law enforcement for the City and County of Denver. The CJIS background check can be completed through the CBI – Vendor Management Program as a **CJIS Support Vendor** at a cost to the contractor.

- 1) Please go to the CBI Vendor Management <u>website</u> or <u>https://cbi.colorado.gov/sections/cjis-security/cjis-vendor-management-program</u>
  - Please click on the CJIS Support Vendor link in the left-hand navigation pane. Click on the Individual tabs to learn about the program and how to apply.
- 2) You will be applying to be part of the CBI Vendor Management program. To apply for this, you will need documentation that states that you are contracted to do work with one of the Safety Agencies for the City and County of Denver.
- 3) Once you have this document, you will need to submit the following:
  - a. an application to create a fingerprint account;
  - b. the Vendor Agreement;
  - c. the above referenced contractual document with one of the Safety agencies for the City and County of Denver
  - d. an IRS form W-9 for review. If they are approved, you will receive the code to use for fingerprinting
- 4) Once you have completed the fingerprinting, background check and testing and are a CJIS Support Vendor, please submit the company name, listed individual names and certificates of completion of CJIS training to Agency Representative/Contact so verification can be made as well as associating your company to DPD.
- 5) Once this process is complete, projects can be scheduled and if necessary, badges will be provided for the duration of the project and then must be returned.
- 6) This background check process is good for one year in any safety facility within Colorado as long as the individual is employed with the vendor. If the individual leaves the employment of the vendor please notify CBI. Any subsequent arrest notification on the individual would mark the vendor as ineligible for the management program.
- 7) If you have concerns or questions, please contact CBI at: <a href="mailto:cdps.cbi.cjisvendors@state.co.us">cdps.cbi.cjisvendors@state.co.us</a> or call 303-239-4208.

## **A.6** F.O.B. POINT:

All prices quoted must be quoted at a firm price F.O.B. Denver, Colorado.

## **A.7** DELIVERY/SERVICE CONSIDERATIONS:

Product Deliveries, if applicable will be scheduled through the designated City Project Manager.

## **A.8** PALLET CHARGE:

All pallets supplied, if applicable shall be non-returnable, no deposit.

### **A.9** CONTRACT PROCEDURES:

Contractor will notify the Department of General Services Contracts Office when and if total City expenditures reach \$850,000 and when and if it reaches \$900,000. Failure to comply may result in no payment or termination.

Material costs and supportive services by subcontractors shall be marked up no more than the quoted markup. Copies of invoices for materials and subcontracts will be provided with billing to the City upon request. The City reserves the right to provide materials, but such materials shall not be subject to contractor's warranty.

# **A.10** INVOICING REQUIREMENTS:

Contractor must be capable of providing invoices that include the following details:

- Invoice number
- Invoice date
- Service date(s) or service period
- PO number (will be provided to contractor when assigned)
- Service location (Building name and address)
- City Requester or Project Manager
- Itemized material charges, including unit of measurement
- Labor charges are to be itemized by labor classification (including the labor classifications of approved subcontractors), the number of hours worked under each classification, and the labor rate (including fringe benefits) paid for each classification.
- Total charge
- addition detail may be requested as deemed necessary by the City

Contractor shall also provide monthly statement billing (if required by the City). On-call jobs must be invoiced within thirty (30) calendar days from completion of work. Invoices will be submitted for payment upon completion of work and after inspection of work is completed by assigned City Requestor and/or Project Manager.

Contractor acknowledges that any invoices submitted with additional charges or a pricing structure that does not match the pricing in Exhibit B will be rejected.

## **Labor Charges:**

Labor charges are to be itemized by labor classification (including the labor classifications of approved subcontractors), the number of hours worked under each classification, and the labor rate (including fringe

benefits) paid for each classification. The not to exceed labor markup listed in Exhibit B should be included as an itemized labor cost. The labor markup is the maximum amount that the contractor may charge over current Prevailing Wage rates as determined by the Auditor's Office.

The net Hourly Rates quoted shall be billed for on-site time only. Separate "trip-charges" and "travel time" will not be paid for by the City.

All requests for quotations shall be performed at no cost to the City. The labor and materials markups listed in Exhibit B include all transportation, parking, signage, and overhead costs. No additional fees of any kind may be charged if they are not specifically allowed in the text of this contract. It is the contractor's responsibility to negotiate the inclusion of any additional charges prior to executing this agreement. Overtime labor expenses will require approval in advance by the Executive Director of General Services. The overtime labor expense shall only apply to the overtime rate of the prevailing wage hourly rate + fringe benefit hourly rate. The labor markup shall remain firm and fixed and will be applied to all billable labor hours.

## **Material Charges:**

All charges for materials must be itemized to include the type of material or part, the unit of measurement, and the actual cost before markup. The material mark-up for billable material shall remain firm and fixed for the full term of the contract to include any term extensions. The use of contractor owned equipment to carry out and perform work assignments under this contract will not be reimbursed to the contractor. The hourly labor markup charged by the contractor shall cover the use of the contractor owned tools, equipment and other contractor expenses required to perform work assignments.

All Materials left over from a job but charged to the City and all equipment or materials removed from the City's facilities shall remain the property of the City unless released by the City' representative as unsalvageable waste. Waste from the job shall be removed from the City's premises and disposed of properly by the contractor.

## A.11 PRICING

All pricing quoted shall be firm and fixed for the full term of the agreement to include contract extensions, if applicable. Pricing shall be in the format contained in Exhibit B of the contract.

The total hourly rate billed to the City shall be the prevailing wage hourly rate + fringe benefit hourly wage for each applicable position plus the labor markup rate for each labor hour billed to the city. Any applicable "markup" costs shall remain firm and fixed for the full term of the contract, to include the initial term and any term extensions. The hourly labor mark-up rate shall cover all tools, equipment, fuel costs, parking expenses, trip charges, service truck and other contractor expenses. Equipment rental charges will require proper back- up documentation.

Labor markup not to exceed shall be the maximum amount the contractor is able to bill over current Prevailing Wage hourly rates plus hourly fringe benefits as determined by the Auditor's Office. This not to exceed markup for on-call service allows for the contractor to competitively bid jobs when a mini-bid is required.

Project Manager is defined as the contractor's personnel that is responsible for overseeing and assigning work; prevailing wage is not applicable.

Administrative Support is defined as the contractor's personnel that is responsible for invoicing, billing, scheduling, and any other administrative duties that prevailing wage is not applicable.

Labor markup not to exceed shall be the maximum amount the contractor is able to bill over current Prevailing Wage rates as determined by the Auditor's Office. Applicable Prevailing Wage Rates will remain fixed until the first anniversary of the solicitation date.

Materials markup shall be a fixed percentage over materials cost. The materials markup percentage shall remain firm and fixed for the full term of the contract to include the initial term and all term extension options. All charges for materials must be itemized to include the kind of material or part, the unit of measurement, and the actual cost before markup.

Proper back-up information shall be provided with project invoices for equipment and tool rentals fees. The contractor is expected to provide the required tools and equipment per industry standards needed to complete work assignments. The use of the contractor owned equipment to carry out and perform work assignments under this contract will not be reimbursed to the contractor. The hourly labor markup charged by the contractor shall cover the use of the contractor owned tools, equipment and other contractor expenses required to perform work assignments.

### **A.12** SUSTAINABILITY POLICY AND GUIDANCE:

The City & County of Denver, through its certified Environmental Management System (ISO 14001is committed to protecting the environment, and the health of the public and its employees. In accordance with this policy, City agencies are directed to procure cost-competitive products and services that minimize resource consumption and negative impacts on the environment and human health. Contractors, when applicable, are to follow standards and recommendations of the United States Environmental Protection Agency EPP program, the Green Seal organization, and standards and practices specified by the U.S. Green Building Council, including the Leadership in Energy and Environmental Design (LEED) program.

Leadership in Energy and Environmental Design for Existing Buildings (LEED EB) requires City agencies to fully implement all appropriate LEED-EB principals to minimize negative economic, environmental, and public health impacts of facility operations and maintenance. Thus, services must meet any directly applicable LEED-EB standards, and otherwise help the City realize the goals of the and Executive Order 123.

# **Environmentally Preferable Purchasing (EPP) Guidance and Prohibitions:**

The City defines Environmentally Preferable products and services that minimize the impact on human health and the environment when compared with competing products and services that serve the same purpose. The City's EPP evaluation may extend to raw materials acquisition, energy consumption in manufacturing and transport, packaging, recyclability, waste disposal, and many other factors. Contractor is encouraged to describe any EPP attributes of the goods or services they offer to the City. Contractor is encouraged to review the list of products and services below that meet the City's EPP requirements and highlight to the City where their firm excels in EPP compliance, and where they are working to improve.

# Products and services with the following attributes meet basic EPP defined in the City's Environmental Management System and are favored for procurement:

- Green Seal approved products and services
- EPA's "Safer Choice" labeled products
- Energy Star certified equipment
- Cradle to Cradle (C2C) certified products
- EPEAT Registry for Greener Electronics

- Conformance to Green Seal GS-11 (paints and coatings) GS-36 (commercial adhesives) and GS-37 (cleaning products) standards
- Conformance with California Code of Regulations for maximum allowable VOC content
- Conformance with SCAQMD Rule #1168 (adhesive and sealant applications), or BAAQMD Regulation 8, Rule 51 (adhesive and sealant products)
- Conformance with Carpet and Rug Institute/Green Label Plus Programs (indoor air quality)
- Products dispensed through automatic metering and mixing equipment (after other supply is exhausted)
- Products with recycled material and post-consumer waste content, including 30% recycled content paper
- Durable and / or reusable products and applicators
- Purchase items that can be used in a reasonable amount of time, within the products expiration date
  - Use the remaining product before switching contractor
- Neutral pH products (pH>2.0 and <12.5)
- Non-flammable products (flashpoint >140F)
- Fragrance-free and dye-free products
- Products that can be recycled (with preferable local recycling options available)
- Other characteristics that minimize:
  - o Waste
  - o Energy and resources use
  - o Release of toxic compounds
  - o Exposure of workers and the public to pollutants

# The following products and services are prohibited from procurement under this agreement:

- All products containing chlorinated or halogenated hydrocarbons i.e., chlorinated solvents (typically paint strippers, brake cleaners, degreasers, and some lubricants)
- Per- and polyfluoro alkyl substances, or PFAS
  - Excluding specific fire-fighting products approved by the Denver Department of Public Health & Environment (DDPHE)
- Products that will be a regulated hazardous waste (per State Hazardous Waste
- Regulations) upon disposal when there is a viable alternative
- Products containing Asbestos
- Products containing category 1 carcinogens, known mutagens and/or known teratogens
  - o Products containing "Crystalline Silica," a respirable powder, are allowed as it does not present a reasonable potential for a negative environmental impact, or generation of a toxic or hazardous waste. Crystalline Silica Respirable Dust is a recognized significant workplace health hazard as described here https://www.osha.gov/dsg/topics/silicacrystalline/.
- Products which have a high risk of causing spontaneous combustion
- Strong chemical oxidizers and peroxide forming chemicals
- Products containing the chemical elements or compounds listed in Table 1
- Products containing chemical compounds deemed by the Denver Department of Public
- Health and Environment (DDPHE) to present an undue of risk to human health or the
- environment in their use or disposal.
  - o Consult with DDPHE for review of these as appropriate

Upon request, the contractor must submit documentation proving that all procured products and services meet these requirements or provide a rationale when substitution is not available (such as in a laboratory).

Table 1: Prohibited Chemicals and Compounds (excluding legitimate laboratory uses and alloys)

	Chemical Name	CAS Number
1	Arsenic, Arsenic containing compounds	7440-38-2, various
2	Barium, compounds of	various
3	Cadmium, compounds of	various
4	Carbon tetrachloride	56-23-5
5	Chlorobenzene	108-90-7
6	Chloroform	67-66-3
7	Chromium, compounds of	various
8	1,2-Dichlorobenzene	95-50-1
9	1,4-Dichlorobenzene	106-46-7
10	1,2-Dichloroethane	107-06-2
11	1,1-Dichloroethylene	75-35-4
12	Hexachlorobenzene	118-74-11
13	Hexachlorobutadiene	87-68
14	Hexachloroethane	67-72-1
15	Hydrofluoric Acid	7664-39-3
16	Lead, compounds of	various
17	Mercury, elemental	7439-97-6
18	Mercury, compounds of	various
19	Methylene chloride	75-09-2
20	Nitrobenzene	98-95-3
21	Pentachlorophenol	87-86-5
22	Selenium, compounds of	various
23	Silver, compounds of	various
24	Tetrachloroethylene	127-18-4
25	1,1,1-Trichoroethane	71-55-6
26	1,1,2-Trichloroethane	79-00-5
27	Trichloroethylene	79-01-6
28	2,4,5-Trichlorophenol	95-95-4
29	2,4,6-Trichlorophenol	88-06-2
30	Vinyl chloride	75-01-4

## A.13 LAWS, REGULATIONS, TAXES AND PERMITS

The Contractor shall procure all permits and licenses, pay all charges, taxes and fees and give all notices necessary and incidental to the due and lawful prosecution of the work. All costs thereof shall be deemed to be included in the prices proposed for the work.

The Contractor, at all times, shall observe and comply with all federal, state, county, city and other laws, codes, ordinances, rules and regulations in any manner affecting the conduct of the work.

Without limiting the foregoing, the Contractor shall establish appropriate procedures and controls so that services under this Contract will not be performed by using any alien who is not legally eligible for such employment under United States Immigration laws. Failure to comply with this condition satisfactorily may cause the City to

terminate this Contract.

# **A.14** FEDERAL PROVISIONS (if applicable):

Where the source of the funds, directly or indirectly for this Purchase Order is the Federal Government, the contractor agrees to the applicable provisions set out below. The contractor shall be responsible for determining which terms are applicable to its products and/or services.

EQUAL EMPLOYMENT OPPORTUNITY COMPLIANCE Contractor agrees to comply with Executive Order 11246 of September 24, 1965, entitled "Equal Employment Opportunity," as amended by Executive Order 11375 of October 13, 1967, and as supplemented in Department of Labor regulations (41 CFR Part 60). **DAVIS-BACON ACT COMPLIANCE** Contractor agrees to comply with the Davis-Bacon Act (40 U.S.C. 3148 to 3148) as supplemented by Department of Labor regulations (29 CFR part 5). ANTI-KICKBACK ACT COMPLIANCE Contractor agrees to comply with the Copeland "Anti-Kickback" Act (18 U.S.C. 874) as supplemented in Department of Labor regulations (29 CFR Part 3). CONTRACT WORK HOURS AND SAFETY STANDARDS Contractor agrees to comply with Sections 102 and 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C. 327-333), as supplemented by Department of Labor regulations (29 CFR part 5) RIGHTS TO INVENTIONS MADE UNDER A CONTRACT OR AGREEMENT Contractor agrees to comply with 37 CFR part 401, "Rights to Inventions Made by Nonprofit Organizations and Small Business Firms Under Government Grants, Contracts and Cooperative Agreements," and any implementing regulations issued by the awarding agency. CLEAN AIR AND WATER REQUIREMENTS Contractor agrees to comply with all applicable standards, orders, or requirements issued under the Clean Air Act (42 U.S.C. 7401 et. seq.), and the Clean Water Act (33 U.S.C. 1251 et. seq.). Contractor agrees to report each violation of these requirements to the City and understands and agrees that the City will, in turn, report each violation as required to the appropriate EPA regional office. ENERGY CONSERVATION REQUIREMENTS The Contractor agrees to comply with mandatory standards and policies relating to energy efficiency which are contained in the state energy conservation plan issued in compliance with the Energy Policy and Conservation Act. (42 U.S.C. 6201) NO SUSPENSION OR DEBARMENT Contractor certifies that neither it nor its principals or any of its subcontractors is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this Agreement by any Federal department or agency. **BYRD ANTI-LOBBYING**. If the Maximum Contract Amount exceeds \$100,000, the Contractor must complete and submit to the City a required certification form provided by the City certifying that it will not and has not used Federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a member of Congress in connection with obtaining any Federal contract grant of any other award covered by 31 U.S.C. 1352. Contractor must also disclose any lobbying with non-Federal funds that takes place in connection with obtaining any Federal award.

**A.15** ENVIRONMENTAL MANAGEMENT SYSTEM, ENVIROMENTAL POLICY, AWARENESS, AND COMPLIANCE:

Some City operations can pose risks to human health and the environment. Proactive environmental management can reduce risk and prevent harm.

The Denver Environmental Performance Program (DEPP) is the City's ISO 14001 Environmental Management System. The DEPP ensures all aspects of City operations with potential to cause environmental impacts are proactively managed. The City observes environmental procedures to ensure compliance with environmental requirements, protect workers and the public, and prevent pollution. Furthermore, the City requires that each person providing products or services, the City's business partners, be responsible for conducting activities in a

manner consistent with City environmental policy. The DEPP also requires business partners ensure the competency of their staff with respect to how their actions impact the environment.

All City business partners are required by statute, regulation, and contract to comply with all federal, state, and local environmental regulations and requirements when working for the City. All City business partners must be aware of the impacts their actions have on the environment and implement practices to comply with environmental requirements and the City's environmental performance goals.

The Environmental Policy of the City & County of Denver, may be found at: https://www.denvergov.org/files/assets/public/public-health-and-environment/documents/eq/2017-denver-environmental-policy.pdf

# A.15.a Environmentally Preferable Purchasing (EPP) Guidance and Prohibitions:

The City defines Environmentally Preferable products and services as having a lesser or reduced effect on human health and the environment when compared with competing products and services that serve the same purpose. The City's EPP evaluation may extend to raw materials acquisition, energy consumption in manufacturing and transport, packaging, recyclability, waste disposal, and many other factors.

Applicable EPP considerations may factor in the evaluation process of this IFB. Vendors are encouraged to describe any EPP attributes of the goods or services they offer to the City.

# A.15.b Regulated Building Materials (RBM)

Any work disturbing building materials must be coordinated with the Denver Department of Public Health and Environment (DDPHE) Environmental Quality (EQ) division. Suspect RBMs, such as those that may contain asbestos or lead-based paint, are to be assessed, removed, and disposed of in accordance with all applicable state and federal regulations. Any contractor or sub-contractor impacting RBMs must hold the appropriate certifications and trainings for removal, material handling, transport, and disposal of such materials. When required, 3<sup>rd</sup> party project oversight will be provided by the City.

Contractors may perform trace asbestos work as long as they meet applicable Occupational Safety and Health Administration (OSHA) requirements. Work plans detailing methods and engineering controls that meet OSHA standards must be submitted to EQ for review and approval before the start of any trace asbestos work.

## **A.16** EMERGENCY PURCHASES:

The City and County of Denver reserves the right to purchase from other sources those items which are required on an emergency basis and cannot be supplied immediately by the contractor.

## **EXHIBIT B**

Trade: On-Call Plumbing

PERSONNEL CLASSICATION	Standard Billing Rate Per Hour	
Project Manager	\$ 130.00 /hr	
Administrative Support	\$ 80.00 /hr	
*Labor Markup Above Prevailing Wage Rate	\$ 75.00 /hr	
Materials Markup	15 %	
3 <sup>rd</sup> Party Equipment Rental Markup	15_ %	

When applicable, 3rd party equipment rental will be reimbursed to the successful Contractor at cost + equipment markup no additional cost will be approved for equipment rental. Equipment rental shall be approved by the City prior to equipment being rented by the Contractor. Contractor shall submit necessary backup information as requested by the City.

*Cost of \$25,000.00 Payment and Performance Bond	Percentage charged by Surety \$ _1.66 %	Total cost (bond only) \$_\$415
		· ·

<sup>\*</sup>Note: The cost for Payment and Performance Bond will not be taken under consideration for the evaluation of the proposal. Proof of Surety invoice may be requested for reimbursement purposes only. The City will only pay the amount on the invoice. No markup will be allowed.

# **EXHIBIT B**

# SCHEDULE OF BILLING RATES

This section is for third-party equipment that may be used for the completion of work as approved by the City. Include on this pricing sheet the cost for third-party equipment. If the equipment will be a rental from a third-party vendor, then the equipment markup % would apply.

The contractor may copy this page or modify it to conform to the services being offered. Any rented equipment will be subject to the materials markup rate.

Contractor: Braconier		
TYPE OF EQUIPMENT	BILLING RATE PER HOUF	
See attached equipment rental guide	<u>§ 15%</u>	
	\$	
	<u>\$</u>	
	\$	
	<u>\$</u>	
	\$	



# Tool & Equipment Rental Guide 2021–2022













#### **TOOL AND EQUIPMENT RENTAL GUIDE**

### **About this Guide**

The Tool and Equipment Rental Guide is a comprehensive, current guide to cost recovery for equipment used by mechanical, electrical, line, and other contractors. The rates in this guide are intended as guidelines paralleling amounts an equipment owner should charge during rental or contractual periods to recover equipment-related costs on a single-shift (8-hour) basis.

These rates are derived from cost formulas and data developed by EquipmentWatch and from analytic methods used in the construction industry. Generally, these methods consider purchase price, depreciation, maintenance and overhaul costs, indirect equipment costs, and average annual use hours. Specific market conditions, such as local supply and demand, are not considered in these calculations. **These rates are not a tabulation of rates being charged nationally**. They do not reflect rates charged by rental companies except by coincidence. Recognizing that costs may vary considerably from state to state, a Regional Rate Adjustment Table\* is provided. The publication of these rates is not intended to influence the equipment rental market as a whole. To enter into agreement, combination, understanding, or action with any person or party with intent to establish rental rates at specific levels in this or any other publication may constitute a violation of Fair Trade Practices and be subject to prosecution.

This publication is designed to provide accurate and authoritative information in regard to the subject matter covered. It is sold with the understanding that the publisher is not engaged in rendering legal or accounting services. While all efforts have been made to assure total accuracy, the variable nature of the information and informational sources precludes any warranties of specific accuracy in any specific instance.

#### About EquipmentWatch

EquipmentWatch is the trusted source for heavy equipment data and intelligence. EquipmentWatch produces the leading database information products for the construction equipment industry and is the world leader in independent, third-party heavy equipment research serving more than 15,000 professional, high-volume users of construction, ag, and lift/access data. The EquipmentWatch products are valuable tools in decisions surrounding the purchase, valuation, operation, and disposal of equipment.

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For more than 60 years, EquipmentWatch has served contractors, equipment manufacturers, dealers, rental companies, lenders, insurers, and government agencies involved in heavy civil construction. EquipmentWatch owns The Rental Rate Blue Book. For more information, visit www.equipmentwatch.com.

#### Rate Structure: Definitions and Methodology

Rental rates in this guide are based on ownership and operating costs for contractor owned equipment. The term "rental" does not refer to third-party contracts for the use of equipment. Profit, project overhead, and general company overhead costs such as office facilities and supplies are not included in the rates shown is this guide.

#### **Ownership Costs**

- a. Depreciation Costs. Depreciation in this guide is a straight line, even accrual of funds over an established economic life to offset the original purchase price of a machine, tool, or any other piece of equipment. As applied in this context, it is not to be confused with other methods of determining depreciation for taxation or other accounting purposes.
- b. Indirect Equipment Costs. Allowances are made for indirect costs that result directly from equipment ownership. These costs may include such costs as normal risk insurance, property taxes, mechanics' and administrative supervision, storage, licenses, and record keeping costs.
- c. Cost of Facilities Capital. Cost of facilities capital (CFC), which is similar to but not exactly the same as interest charges, is an allowance for the cost of money invested in equipment, whether the equipment is purchased in cash or financed over time.
- d. Major Overhaul. The ownership rates in this guide include an allowance for major overhaul costs necessary to keep a machine functional throughout its economic life. This allowance covers the periodic rebuilding of engines, motors, transmissions, undercarriages, and other major equipment components.

The life-cycle ownership costs—depreciation, indirect costs, cost of facilities capital, and major overhaul—are annualized and then adjusted to reflect an average annual working season to obtain a monthly rental rate. Weekly and daily rates are then derived from the monthly rental rate. Rates for shorter use periods are increased to account for lost

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availability and productivity during shorter use periods.

#### **Overtime Guide**

An industry practice in calculating rental rates for periods in excess of the base rate used for the job duration (daily, weekly, or monthly) is to use 1/8 of the daily rate, 1/40 of the weekly rate, or 1/176 of the monthly rate for each hour in excess of the base, but short of the next longer base duration.

#### **Operating Costs**

Operating costs include the following Items:

- a. The cost of labor and parts needed for routine, daily servicing of the equipment. This includes repairing and/or replacing small components such as pumps, carburetors, injectors, belts, filters, gaskets, and worn lines.
- b. The cost of operating expendables. These include fuel, computed in accordance with horsepower, average load factors, and the price of fuel; lubrications, including filters, oil, and grease, as well as the labor and the lube truck involved in lubrication; tires; and ground engaging components, including pads, blades, bucket teeth, etc. Tire costs are calculated by average tire life factors and take into consideration typical discounts from list prices. Electricity costs are not included.
- c. The cost of extraordinary operating expendables may not be included in all operating expenses. Certain ground engaging components, such as hammer and drill bits, drill steel, augers, saw blades, and tooth-bits, are normally excluded from the operating costs because of their highly variable wear patterns. It is recommended that these costs be recovered separately. A list of typical expendable items is provided in Appendix III.

Operator's wages are not included in the operating costs.

Trade Names, where used, are for descriptive purposes only. Please note that where manufacturer's names and numbers are listed, it is only for better identification of the style and capacity of the equipment, and "equal" may be inferred.

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#### 2021 Changes

In the 2021 edition of the Tool and Equipment Rental Guide, the EquipmentWatch team consolidated the most recent editions of guides published for MCAA, NECA, and SMACNA together into one guide. In this consolidation, we first identified which items were unique to or shared by the organizations. We then calculated rental rates based on factors that affect ownership and operating rates specific to each type of equipment.

#### FAQs about the 2021 Guide Changes

Q: If I'm going from a previous guide by MCAA, NECA, or SMACNA, has anything changed about the rates being shown?

A: For MCAA – The rates given are the same as previous years.

For NECA – The rates given to NECA were the same as in the current guide: Daily Ownership & Operating, Weekly Ownership & Operating, Monthly Ownership & Operating. However, NECA's rate did not account for consumables (e.g.: fuel, lube, ground engaging components) or fees for delivery / field repairs. The new rates include all of these, except for electricity.

For SMACNA – In the guides given to SMACNA, the rates given included: Monthly Ownership, Weekly Ownership, Daily Ownership, Hourly Ownership, and Operating Cost / hr. The new guide gives: Daily Ownership & Operating, Weekly Ownership & Operating, Monthly Ownership & Operating.

#### Q: Why did rates for some items change so much?

A: The construction industry has experienced some dramatic changes and fluctuations in asset availability, pricing, and usage as a result of the COVID-19 Pandemic. Therefore, the market data EquipmentWatch uses to calculate factors affecting Ownership and Operating rates have been impacted more suddenly than in previous revisions. We have also expanded our data sources to calculate factors that have impacted rates, resulting in larger than normal variances in some factors like annual use hours.

Q: If an item from a previous guide saw a large change in this edition, does that mean the rate changed that much? Or was the previous rate incorrect?

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A: If a user's own usage situation with the item has remained unchanged, then their own rental rate for that item also would not have changed much. The changes to some items' rates have been made to reflect changes that we observed in the market and should be treated as an average.

## Q: Should we consider the Estimated Original Prices provided in this year's edition of the guide definitive?

A: Not necessarily. Much like the rates provided, there is a lot of potential variation in item pricing. This can be observed in a small number of cases where smaller items have slightly higher original prices than larger items of the same item type. The price provided is intended to supply the user with the basis we calculated the rental rate from, and if the user's purchase price is different, it can impact their rate.

# Q: Why did a small number of items from a previous guide book not appear in this year's guide?

A: In many of these cases, we couldn't verify through our research and analysis that the factors affecting ownership and operating costs such as typical economic life, annual usage, or typical repair costs for the life of the machine still were accurate. Because of that, we were unable to determine a rental rate for those items.







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- AR. Paving Breakers
- AS. Phoenix Rod Ovens
- AT. Pin Spotters
- AU. Pittsburgh Seam Closers
- AV. Pressure Washers Cold
- AW. Pressure Washers Hot
- AX. Pulling Tools
- AY. Radial Arm Saws
- AZ. Reel Cart or Stand

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AAB.	Rubber Insulating Line Hose
AAC.	Rubber Insulating Matting
AAD.	Rubber Insulating Sleeves
AAE.	Sanders
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#### **TOOL AND EQUIPMENT RENTAL GUIDE**

Owning & Operating Rate

Est. Price \$ Day \$ Week \$ Month \$

#### **SECTION 1: AERIAL LIFTS**

#### A. Electric Self Prop Telescopic Boom Aerial Lifts

to 20'	19,200.00	68.26	284.23	1,061.79
31 to 40'	34,332.00	179.19	756.36	2,866.17
21 to 30'	52,337.00	210.18	872.35	3,247.70
41 to 60'	139,883.00	762.19	3,241.20	12,376.49

#### **B. Electric Self Propelled Scissor Lifts**

13 to 15'	14,760.00	57.91	247.75	951.78
13 to 15'; Narrow	15,947.00	61.20	261.15	1,000.66
19' to 24'	13,271.00	53.78	230.93	890.45
31 to 40'	49,979.00	154.62	643.69	2,404.20
41' and over	73,200.00	226.62	934.92	3,456.82

#### C. Electric Self-Propelled Articulating Aerial Lifts

to 20'	16,052.00	61.25	257.10	968.70
21 to 30'	58,013.00	177.00	735.01	2,736.87
31 to 40'	73,406.00	256.14	1,060.94	3,941.22
41 to 50'	82,688.00	284.89	1,182.10	4,399.45

#### D. I.C. Self Propelled Scissor Lifts

#### Diesel

to 20'; Rough Terrain	24,450.00	101.10	431.81	1,656.20
21 to 30'; Rough Terrain	50,464.20	175.04	736.21	2,779.60
31 to 40'; Rough Terrain	67,908.90	245.01	1,032.02	3,902.27
41 to 50'; Rough Terrain	82,380.10	306.87	1,287.41	4,847.73
51' and over; Rough Terrain	95,806.00	360.11	1,502.55	5,623.62

	Ov	vning & Op	erating Rat	е
	Est. Price \$	Day \$	Week \$	Month \$
Gasoline				
21 to 30'; Rough Terrain	49,164.20	181.54	764.41	2,889.37
31 to 40'; Rough Terrain	63,511.90	249.03	1,063.83	4,080.95
41 to 50'; Rough Terrain	81,880.10	321.26	1,360.38	5,172.08
E. I.C. Self Propelled Telescopic Boom A	erial Lifts			
Diesel				
to 40'	102,489.00	448.42	1,865.63	6,963.36
41 to 50'	112,418.00	514.99	2,141.95	7,992.23
60 to 70'	175,485.00	749.90	3,117.05	11,622.90
71 to 80'	171,975.00	875.99	3,644.73	13,604.75
81 to 90'	215,304.00	997.86	4,145.57	15,449.31
91 to 100'	234,088.00	1,045.71	4,358.38	16,298.32
101' to 120'	388,232.00	1,422.16	5,882.34	21,818.62
Gasoline/LPG				
to 40'	102,489.00	434.42	1,792.05	6,625.36
41 to 50'	112,418.00	511.37	2,107.46	7,783.40
60 to 70'	175,485.00	749.27	3,088.07	11,405.79
71 to 80'	171,975.00	848.79	3,508.76	13,006.46
81 to 90'	215,304.00	1,000.34	4,126.27	15,254.14
91 to 100'	234,088.00	1,050.93	4,345.42	16,106.31
101' to 120'	388,232.00	1,419.28	5,867.97	21,755.37
F. I.C. Self-Propelled Articulating Boom A	Aerial Lifts			
Diesel				
21 to 30'	38,591.00	178.68	750.51	2,828.61
31 to 40'	75,241.00	308.75	1,275.84	4,725.77
41 to 50'	76,980.00	343.06	1,430.51	5,352.10
51 to 60'	171,316.00	634.54	2,637.75	9,836.43
61 to 70'	189,177.00	678.87	2,817.42	10,488.20
71 to 80'	167,346.00	645.13	2,680.55	9,991.23

	Owning & Operating Rate			
	Est. Price \$ Day \$ Week \$			Month \$
101' to 120'	315,435.00	898.29	3,733.64	13,921.23
125'	363,638.00	1,165.59	4,801.47	17,730.79
Gasoline				
21 to 30'	38,591.00	177.05	747.32	2,831.90
31 to 40'	75,241.00	302.42	1,252.48	4,652.03
Gasoline/LPG				
41 to 50'	76,980.00	333.21	1,372.19	5,063.65
51 to 60'	171,316.00	628.83	2,587.33	9,538.76
61 to 70'	189,177.00	675.17	2,776.47	10,229.85
71 to 80'	167,346.00	606.97	2,491.82	9,167.69
100' to 120'	315,435.00	952.24	3,899.13	14,304.53
125'	363,638.00	1,127.84	4,610.31	16,875.26
G. Insulated Bucket Trucks				
Gasoline				
to 50'	104,633.40	374.90	1,656.23	6,565.38
51' to 60'	116,810.00	400.90	1,765.13	6,974.77
61' to 75'	168,660.00	635.54	2,828.69	11,291.72
Diesel				
76' to 95'	251,732.00	712.63	3,061.58	11,811.82
H. Push Around Scissor Lifts				
Electric				
to 20'	10,863.72	48.04	207.49	804.61
21 to 30'	23,327.39	86.30	364.26	1,379.91
31 to 40'	24,821.21	89.93	380.74	1,446.78

#### MCAA | NECA | SMACNA TOOL AND EQUIPMENT RENTAL GUIDE

	Ow	Owning & Operating Rate			
	Est. Price \$	Est. Price \$ Day \$ Week \$ Mont			
I. Push Around Telescopic Boom Ac	erial Lifts				
Electric					
to 20'	12,232.00	52.98	221.68	832.13	
21 to 30'	12,229.00	110.52	467.81	1,777.42	
31 to 40'	11,984.00	126.62	541.98	2,082.65	

#### **SECTION 2: AIR COMPRESSORS**

#### A. Portable Reciprocating Air Compressors

#### Gasoline

to 20 cfm	1,650.00	42.09	192.99	791.38
21 to 36 cfm; Trailer Mounted	2,791.00	47.32	217.26	891.89
37 to 60 cfm; Trailer Mounted	7,625.00	73.14	338.30	1,397.88
61 to 85 cfm; Trailer Mounted	9,395.00	86.88	404.05	1,677.46

#### **B. Portable Rotary Screw Air Compressors**

#### Diesel

to 80 cfm	15,515.00	92.46	403.45	1,580.12
90 cfm	26,169.00	118.14	513.35	2,002.89
100 cfm	27,107.00	122.19	531.28	2,074.14
101 to 125 cfm	27,698.00	147.65	643.74	2,519.82
126 to 160 cfm	29,241.00	163.78	721.00	2,848.57
161 to 175 cfm	29,524.00	178.26	792.61	3,161.05
186 to 250 cfm	41,173.00	254.76	1,113.67	4,370.37
251 to 300 cfm	53,523.00	318.09	1,401.24	5,539.50
301 to 375 cfm	53,968.00	312.24	1,371.25	5,405.19
376 to 450 cfm	75,680.00	392.48	1,722.84	6,787.91
451 to 600 cfm	85,237.00	539.35	2,405.89	9,623.70
601 to 750 cfm	89,700.00	549.99	2,449.90	9,786.94
751 to 900 cfm	103,391.00	671.36	2,984.93	11,903.45
901 to 1200 cfm	153,016.00	955.59	4,314.33	17,449.41
1201 to 1400 cfm	186,781.00	990.45	4,412.09	17,626.43
1401 cfm and over	200,071.00	1,024.20	4,551.50	18,142.68

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	Owning & Operating Rate				
	Est. Price \$	Day \$	Week \$	Month \$	
Gasoline					
to 80 cfm	8,883.00	84.06	377.47	1,518.84	
81 to 100 cfm	14,123.40	121.28	555.49	2,275.80	
126 to 160 cfm	15,193.30	132.35	606.84	2,488.42	
101 to 125 cfm	14,411.90	135.65	625.01	2,573.86	
161 to 175 cfm	15,923.30	165.55	771.25	3,206.65	
181 to 249 cfm	41,173.00	231.09	1,031.54	4,128.10	
251 to 300 cfm	53,523.00	312.78	1,409.56	5,690.54	
301 to 375 cfm	53,598.00	302.53	1,358.11	5,463.56	
C. Tank Mounted Air Compressors					
Electric					
to 15 cfm; 3 to 5 hp	6,787.43	12.41	52.62	200.25	
15 to 25 cfm; 6 to 8 hp	7,628.65	13.95	59.19	225.54	
26 to 35 cfm; 9 to 11 hp	8,438.40	15.89	67.88	260.43	
40 to 60 cfm; 12 to 15 hp	11,566.20	22.89	98.13	377.76	
56 - 83 cfm; 17 to 20 hp	14,719.20	29.81	128.28	495.81	
84 cfm and over; 21 hp and over	15,383.20	30.83	132.53	511.70	

#### **SECTION 3: AIR TOOLS**

#### A. Air Drills

3/8"	143.66	4.28	18.37	70.74
3/8"; Reversing	222.31	4.70	20.05	76.83
1/2"; Reversing	263.86	4.91	20.93	80.05
1/4 to 1/2"	383.13	5.54	23.47	89.28
7/8"	2,589.99	17.13	70.52	260.16
1-1/4"	2,739.96	21.03	86.16	316.20

#### **B.** Asphalt Cutter

5"; Asphalt Cutter	516.70	5.87	24.86	94.51

	Owning & Operating Rate			
	Est. Price \$	Day \$	Week \$	Month \$
C. Blow Pipe				
C. Blow Fipe				
	00.05		0.4.70	00.04
	20.35	5.58	24.73	98.24
D. Chipping Hammers Rivet Busters				
Chipper	185.00	3.47	14.67	55.60
Rivet, Medium Duty	265.00	4.03	16.90	63.66
Rivet, Heavy Duty	695.00	6.99	28.89	107.04
E. Chisel Point				
	181.62	2.84	12.61	50.27
	101.02	2.04	12.01	30.21
F. Clay Diggers				
to 25 lb	885.44	8.37	36.11	139.94
26 to 30 lb	890.62	8.38	36.18	140.19
31 lb and over	1,004.53	8.75	37.68	145.71
G. Clay Spades				
5.5"	2,640.00	17.79	73.26	270.46
	,			
H. Grease Guns				
n. Grease Guils				
	40.00	0.60	2.88	12.33
I: Grinders And Sharpeners				
Bench Type	197.59	2.98	13.20	52.38

	Owning & Operating Rate				
	Est. Price \$	Day \$	Week \$	Month \$	
Hand-Held	260.00	3.55	15.48	60.62	
Straight	497.03	5.69	24.14	91.91	
Vertical	1,719.53	16.76	68.83	253.30	
Pneumatic Wire Stripper	2,895.00	27.39	111.79	408.47	
J. Hand-Held Pavement Breakers					
to 40 lbs	1,697.28	12.89	54.47	206.67	
41 to 55 pound	1,151.00	9.69	41.53	159.79	
56 to 70 pound	1,606.10	12.59	53.26	202.29	
80 to 90 pound	1,559.61	11.08	47.19	180.53	
Single Pistons 3 Head Wall	230.00 610.00	6.52 8.21	28.55 35.42	112.17 137.21	
•					
5 Head Floor	5,765.00	68.46	287.45	1,082.97	
L. Hoses					
1/2 to 5/8" diameter, 25' length	173.66	1.75	7.05	25.28	
3/4" diameter, 25' length	233.10	2.35	9.46	33.93	
1" diameter, 50' length	335.39	3.39	13.61	48.82	
1-1/4" diameter, 50' length	457.83	4.63	18.57	66.64	
1-1/2"	994.74	10.05	40.36	144.79	
2"	1,301.65	13.15	52.81	189.46	
100'; Allegro 9101-100B High Pressure Breathing Air Hose	257.00	2.60	10.43	37.41	
M. Line Oilers					
	56.45	0.57	2.29	8.22	

	Owning & Operating Rate				
	Est. Price \$	Day \$	Week \$	Month \$	
N. M. 11B. 1.4					
N. Moil Points					
	34.12	1.50	7.22	30.80	
O. Nailers					
Finishing	202.74	3.60	15.16	57.38	
Roofing	281.06	4.14	17.35	65.28	
Concrete	434.70	5.20	21.63	80.78	
Framing	444.23	5.26	21.90	81.74	
ŭ					
P. Pneumatic Grinders					
P. Prieumatic Grinders					
5 to 14 cfm; without Grinding Wheels	74.81	1.87	8.71	36.17	
Q. Pneumatic Impact Wrenches					
3/8" to 1/2"	336.48	4.98	21.21	81.14	
3/4"	1,855.72	11.53	47.87	178.34	
1 to 1-1/4"	3,200.63	20.43	83.91	308.81	
1-1/4" to 1-3/8"; #5 Spline, torque Control	4,563.79	26.31	107.83	396.01	
1-1/4" to 1-1/2"; #5 Spline, Reversible	4,052.99	24.11	98.87	363.33	
1-3/8" to 1-1/2"	4,905.34	27.78	113.82	417.86	
R. Pneumatic Post Drivers					
	2.465.00	16.44	60.04	2F0 42	
	2,465.00	16.44	68.94	259.42	
S. Rotary Vane Air Pumps					
S. Rotary Vane Air Pumps					
S. Rotary Vane Air Pumps 2"	1,803.09	10.94	45.52	169.93	

	Owning & Operating Rate			
	Est. Price \$	Day \$		Month \$
	20tt 1 1100 φ	Day $\phi$	γνοσιτ φ	ινιστιατ φ
T. Scalers				
	758.28	8.55	36.82	142.33
U. Sheet Driver With Shank				
O. Sheet Driver With Shalik				
Sheet Driver with Shank	192.64	6.28	27.55	108.53
V. Sludge Air Pumps				
2.5"	2,528.80	14.06	59.27	224.31
2.0	2,020.00	11.00	00.21	22 1.0 1
SECTION 4: COMPACTORS				
A. Hand Held Rammers				
Gasoline				
4" to 13"; 50 spm - 80 spm	4,490.24	47.63	197.03	730.98
13-1/2" to 17"; 350 spm - 700 spm	5,243.33	54.92	226.82	840.04
1/2"; Reversing	263.86	4.91	20.93	80.05
1/4 to 1/2"	383.13	5.54	23.47	89.28
7/8"	2,589.99	17.13	70.52	260.16
1-1/4"	2,739.96	21.03	86.16	316.20
B. Hand Held Vibratory Plate Compactors	i			
Diesel				
21"	6,685.38	77.18	315.26	1,153.48
25"; 280 lbs	16,361.60	148.45	606.23	2,217.37
33"; 500 lbs	27,828.20	248.19	1,010.60	3,684.68
Coopling				
Gasoline				
17"	2,280.98	25.77	108.55	410.52
21"	3,122.09	40.11	167.19	625.29

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	Ow	ning & Op	erating Rat	е
	Est. Price \$	Day \$	Week \$	Month \$
25"; 280 lbs	4,238.13	44.08	185.94	704.24
33"; 500 lbs	4,833.00	56.69	240.67	917.19
SECTION 5: CONDUIT AND OTHE	R RACEWAY	TOOLS	•	
A. Drophead Ratchet Threaders				
	717.38	2.21	8.93	32.29
B. Duct Video Inspection Cameras				
Electric .				
100'; on fiberglass duct rod	1,039.00	3.05	13.79	55.86
500'; on fiberglass duct rod	6,500.00	12.79	54.86	211.25
C. Feeding Sheaves				
Manual				
2"; Feeding Sheave	353.17	1.09	4.39	15.90
2-1/2"; Feeding Sheave	400.95	1.23	4.99	18.05
,_ ,				
Hydraulic				
3"; Feeding Sheave	454.91	13.11	54.99	206.86
	496.96	13.43	56.25	211.43
3-1/2"; Feeding Sheave	E00.04	13.70	57.34	215.35
4"; Feeding Sheave	533.01			
	611.46	14.28	59.70	223.88

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	Owning & Operating Rate				
	Est. Price \$	Day \$	Week \$	Month \$	
E. Fiber Optic Termination Kits					
	105.81	0.33	1.32	4.76	
F. Fish Tape					
125'	110.00	0.96	4.56	19.29	
240'	175.02	1.10	5.13	21.36	
240'; Small Diameter	87.00	0.91	4.36	18.55	
·					
G. Geared Pipe Threaders					
G. Geared Fipe Tilleaders					
	2,631.99	8.43	34.89	129.42	
H. Knockout Punches					
Hydraulic					
1/2" to 2"; Hydraulic, Driver Only	744.99	2.50	10.79	41.75	
1-1/2" to 4"; Hydraulic, Driver Only	1,419.54	4.12	17.30	65.26	
Manual					
1/2" to 3"; Ratchet, Driver Only	50.25	1.13	5.50	23.75	
1/2" to 1-1/4"; Manual Punches	600.39	2.26	9.75	37.71	
1/2" to 1"; One Shot, Driver Only	2,547.39	8.83	37.51	142.96	
1/2" to 4"; One Shot, Driver Only	4,852.78	17.33	73.96	283.35	
·					
I. Oiler					
. 01101					
	100.00	0.07	4.00	40.00	
	129.99	0.87	4.00	16.39	
J. Pipe Saws					
Electric					
Guillotine	3,250.00	24.53	111.88	456.61	

	Owning & Operating Rate			
	Est. Price \$	Day \$	Week \$	Month \$
K. Power Mules				
Electric				
Toledo Wheel Power Drive	1,399.99	6.28	26.56	100.84
Toledo Wheel I owel Drive	1,000.00	0.20	20.50	100.04
L. Stock And Dies – Gear Threader				
2-1/2" to 4"	2,631.99	12.57	52.41	195.94
2-1/2" to 6"	4,015.57	19.06	79.34	296.18
M. Stock And Dies – Ratchet				
1/2" to 1-1/4"	317.49	0.98	3.95	14.29
1/2" to 2"	830.32	2.55	10.33	37.37
N. Stock And Dies - Three Way				
······································				
3/8"; 1/2"; 1"	243.92	1.38	5.94	22.93
1/2"; 3/4"; 1"	284.81	1.57	6.74	25.89
O. Tap & Die Sets				
- Tap a 2.5 coto				
24pc	88.36	1.37	6.50	27.44
40pc Metric	171.87	1.76	8.13	33.49
45pc	321.20	2.46	11.03	44.31
P. Threading Machines				
Electric				
E.g.: 700 Portable Powerdrive with Adapter	1,440.97	17.29	73.73	282.22
E.g.: Ridgid Model 300	7,014.30	35.14	146.13	544.97

	Owning & Operating Rate			Э
	Est. Price \$	Day \$	Week \$	Month \$
Q. Wrenches				
Hydraulic	47 400 00	07.05	224.25	4 400 77
2" to 4"	17,123.00	97.05	394.65	1,436.77
Manual				
1" to 5"; Strap Wrench	16.34	0.05	0.20	0.74
3" to 6"; Chain Wrench	327.57	1.01	4.08	14.74
SECTION 6: CONNECTION AND S	DI ICING TO	OI S		
SECTION 6: CONNECTION AND 5	PLICING 10	OLS		
A. Cable Cutters				
Manual				
1"; EMT Cutter	41.63	0.37	1.71	7.13
3"; EMT Cutter	318.95	1.22	5.16	19.62
Fibre Duct Cutter	111.89	0.34	1.39	5.04
Hydraulic				
4"; EMT Cutter	574.99	8.46	34.76	127.86
to 350 MCM	403.68	6.79	27.77	101.69
to 1,000 MCM	2,044.43	20.77	84.43	307.17
B. Cable Strippers				
• •				
Electric				
20V	419.00	7.00	30.48	119.09
Armored Cable Battery	850.00	8.41	36.21	139.89
Armored Cable	1,500.00	10.54	44.85	171.25
Manual				
Twin	252.62	0.78	3.14	11.37
Adjustable	335.83	1.03	4.18	15.12
URD End	350.53	1.08	4.36	15.78
Set	503.94	1.55	6.27	22.68

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	Owning & Operating Rate			Э
	Est. Price \$	Day \$	Week \$	Month \$
Aluminum Set	554.80	1.71	6.90	24.97
Copper Set	575.00	1.77	7.16	25.88
Mark 1 Kit	739.93	2.28	9.21	33.31
Mark 2 Kit	747.33	2.30	9.30	33.64
C. Soldering Pots				
Electric				
1 lb; 320 watts	393.29	1.47	6.20	23.44
D. Termination Tools				
Hydraulic				
8 to 500 MCM; Hyd. Hand Pump; No Dies	492.85	13.40	56.13	210.98
8 to 1,000 MCM; Hyd. Hand Pump; No Dies	961.81	16.89	70.24	261.99
Cable Bender; Hydraulic	2,615.61	29.21	120.03	441.87
8 to 500 MCM; Hyd. Hand Operated; No	2,943.53	31.65	129.90	477.54
Dies	,			
Manual				
Dies, Hand Operated - Each	93.65	0.29	1.17	4.22
Dies, Hand Pump-Small, Each	93.65	0.29	1.17	4.22
Dies, Hand Pump-Large, Each	112.35	0.35	1.40	5.06
17 to 66 MCM; with Dies; for 8 to 2 ga. Wire	315.42	0.97	3.93	14.20
8 to 500 MCM; with Dies	479.15	1.47	5.96	21.57

#### **SECTION 7: CRANES**

## A. All Terrain Hydraulic Cranes—Single Engine

### Diesel

15 to 24.9 metric tons	281,115.00	865.82	3,717.24	14,331.80
25.0 to 34.9 metric tons	474.477.00	1.267.10	5.415.99	20.788.59

	Owning & Operating Rate			Э
	Est. Price \$	Day \$	Week \$	Month \$
B. Cranes For Truck Mounting				
Hydraulic/PTO				
4 tons	11,000.00	77.59	328.59	1,249.46
7-1/2 tons	39,650.00	168.85	704.27	2,635.70
10 tons	45,750.00	192.22	804.25	3,019.77
15 to 18 tons	71,450.00	324.89	1,355.31	5,072.98
19 to 21 ton	85,984.00	350.08	1,458.59	5,452.42
25 tons	110,025.00	926.89	3,785.71	13,849.43
30 tons	110,025.00	926.89	3,785.71	13,849.43
C. Crawler Mounted Lattice Boom Cra	nes			
to 25.9 metric tons	169,185.00	765.58	3,276.61	12,589.89
26 to 35.9 metric tons	609,286.00	1,725.83	7,238.84	27,251.65
36 to 40.9 metric tons	1,154,473.00	2,758.42	11,518.03	43,142.33
41 to 45.9 metric tons	1,699,660.00	3,867.87	16,111.10	60,209.65
46.0 to 50.9 metric tons	962,261.00	2,624.37	10,978.80	41,217.45
51.0 to 55.9 metric tons	1,693,770.00	4,012.03	16,693.32	62,313.08
56.0 to 67.9 metric tons	1,696,630.00	4,151.40	17,257.55	64,356.92
68.0 to 80.9 metric tons	1,693,770.00	4,271.94	17,746.33	66,130.72
81.0 to 107.9 metric tons	1,451,980.00	3,590.77	15,014.59	56,341.08
108.0 to 149.9 metric tons	1,814,230.00	4,398.34	18,345.84	68,661.07
150.0 to 200.9 metric tons	2,231,930.00	4,817.95	20,300.17	76,784.70
D. Hydraulic Yard Cranes  Diesel				
to 9.9 metric tons	155,054.00	538.80	2,155.19	8,148.94
10.0 to 16.9 metric tons	304,378.00	860.20	3,603.90	13,551.17
17.0 to 24.9 metric tons	445,547.00	1,124.48	4,711.89	17,720.33
Gasoline				
to 9.9 metric tons	155,054.00	529.31	2,249.59	8,582.55
10.0 to 16.9 metric tons	304,378.00	894.82	3,773.63	14,282.44

	Owning & Operating Rate			Э
	Est. Price \$	Day \$	Week \$	Month \$
E. Rough Terrain Hydraulic Cranes				
Diesel	00 700 00	440.00	4 770 40	0.004.00
to 9.9 metric tons	92,720.00	416.02	1,778.13	6,824.89
17.0 to 24.9 metric tons	201,806.00	699.18	2,987.45	11,462.89
25.0 to 29.9 metric tons	226,639.00	795.07	3,388.18	12,965.52
10.0 to 16.9 metric tons	228,311.00	807.79	3,438.51	13,143.19
30.0 to 34.9 metric tons	303,256.00	975.53	4,182.15	16,100.83
35.0 to 39.9 metric tons	364,245.00	1,084.07	4,614.75	17,639.87
40.0 to 49.9 metric tons	398,572.00	1,113.86	4,795.07	18,537.20
50.0 to 65.9 metric tons	464,176.00	1,292.25	5,534.86	21,288.92
66.0 to 80.9 metric tons	610,872.00	1,666.92	7,123.90	27,340.17
81.0 metric tons and over	725,752.00	1,917.20	8,193.21	31,442.74
Diesel	240 220 60	1 020 72	1 201 70	16 064 55
to 16.9 metric tons	349,239.60	1,020.73	4,391.78	16,964.55
17.0 to 24.9 metric tons	325,225.68	988.04	4,255.37	16,453.79
25.0 to 29.9 metric tons	401,092.81	1,119.18	4,838.46	18,778.78
30.0 to 34.9 metric tons	270,157.00	872.70	3,817.46	14,990.54
35.0 to 39.9 metric tons	590,485.00	1,554.78	6,645.64	25,501.43
40.0 to 49.9 metric tons	524,771.00	1,434.79	6,153.99	23,703.43
50.0 to 65.9 metric tons	519,812.00	1,440.73	6,182.41	23,824.36
66.0 to 80.9 metric tons	504,140.00	1,399.93	6,142.98	24,195.15
81.0 to 110.9 metric tons	742,164.00	1,844.75	8,019.05	31,298.68
<b>G. Truck Mounted Lattice Boom Cranes</b>	3			
Diesel				
35.0 to 49.9 metric tons	615,154.00	1,391.19	5,869.56	22,232.24
50.0 to 74.9 metric tons	646,139.00	1,444.90	6,142.12	23,444.84
100.0 to 149.9 metric tons	1,176,190.00	2,203.25	9,373.89	35,812.20
150.0 to 199.9 metric tons	1,315,550.00	2,418.24	10,313.45	39,498.25
200.0 to 299.9 metric tons	1,823,800.00	3,218.52	13,701.17	52,374.29

	Owning & Operating Rate				
	Est. Price \$	Day \$	Week \$	Month \$	
SECTION 8: DRILLING EQUIPMENT					
A. Bench Drill Presses					
Electric					
1/2"	294.26	4.24	18.23	70.43	
3/4"	949.68	7.54	31.66	119.27	
B. Continuous Production Drills—Hand H	ald				
	GIU				
Electric O. i. II	4 007 00	10.01	22.22	044.04	
3/4"; Taper Spindle	1,037.82	16.01	66.09	244.61	
1-1/4"; ExtraHD Taper Socket	1,124.99	16.84	69.44	256.64	
C. Cordless Drills					
Electric					
3/8"; Variable, Reversible	158.11	4.27	18.09	68.74	
3/8"; 2-Spd, Reversible	327.36	5.75	24.02	90.07	
1/2"; 2-Speed Variable	423.64	6.58	27.39	102.21	
1/2"; Right Angle Drill Kit	579.00	9.05	37.31	137.79	
D. Diamond Core Bits					
Manual					
1/2"	17.81	4.03	17.33	66.87	
3/4"	49.99	4.37	18.69	71.76	
1"	58.95	4.46	19.07	73.12	
1-1/4"	72.10	4.60	19.62	75.12	
1-1/2"	77.26	4.65	19.84	75.91	
2"	109.31	4.99	21.19	80.78	
2-1/4"	146.50	5.38	22.76	86.44	
2-1/2"	161.88	5.54	23.41	88.77	
3"	201.43	5.95	25.08	94.79	
3-1/2"	218.40	6.13	25.79	97.37	
4"	236.50	6.32	26.56	100.12	
5"	258.42	6.55	27.48	103.45	

	Owning & Operating Rate			
	Est. Price \$	Day \$	Week \$	Month \$
6"	262.80	6.60	27.67	104.12
7"	306.60	7.06	29.52	110.78
9"	350.40	7.51	31.36	117.44
8"	352.59	7.54	31.46	117.77
10"	468.66	8.75	36.35	135.42
12"	565.02	9.76	40.42	150.07
E. Diamond Core Drills				
Electric				
1" to 6-1/2"; Mechanical Hold Down	1,870.00	32.26	132.16	484.85
1" to 10"; Vacuum Hold Down	2,510.00	40.95	166.99	609.57
F. Electric Drill Stands  1/4"	175.00	2.66	11.13	44 04
1/4"	175.00	2.66		41.84
G. Floor Stand Drill Presses	325.00	3.36	13.98	52.13
Electric				
13"; 5-Speed	717.00	6.37	26.89	101.93
16"; 5-Speed	870.00	7.14	30.03	113.33
20"; 9-Speed	1,465.00	10.14	42.22	157.66
20"; 5-Speed	2,220.00	13.95	57.69	213.91
15"; Variable Speed	3,005.00	17.91	73.78	272.40
20"; Variable Speed	5,153.00	28.75	117.80	432.44
20"; Power Feed	8,143.00	43.84	179.08	655.22
H. Hammer Drills				
Electric				
3/8"	479.68	13.39	56.50	213.92
1/2"	581.85	14.78	62.06	233.83
3/4"; Rotary	381.08	11.03	47.02	180.05

	Owning & Operating Rate			Э
	Est. Price \$	Day \$	Week \$	Month \$
0/48 D	4 007 00	40.40	75.00	000 70
3/4"; Percussion	1,037.82	18.18	75.69	282.78
7/8"; Rotary	445.94	11.73	49.86	190.20
1"; Rotary	847.29	16.10	67.37	252.98
1"; Variable Speed Reversing	917.36	19.33	80.32	299.21
1-1/4"; Rotary	806.75	15.66	65.60	246.64
1-1/2"; Rotary	1,155.39	19.46	80.82	301.17
2"; Rotary	1,347.96	21.55	89.23	331.30
2.5"; Percussion	1,520.25	23.43	96.75	358.25
over 2.5"; Percussion	1,551.10	27.94	114.81	422.71
I. Hand Held Standard Drills				
Electric				
3/8"; Variable Speed Reversing	549.99	10.39	43.15	160.62
1/2"; D-Handle Reversing	209.00	6.17	26.16	99.60
1/2"; Variable Speed Reversing	289.86	6.48	27.43	104.21
1/2"; Right Angle Reversing	323.93	7.59	31.89	120.17
3/4"; Right Angle Reversing	743.91	11.02	45.71	170.03
J. Hand-Held Drills				
Electric				
3/4"; Continuous Production	829.05	13.85	57.05	210.56
3/4"; D-Handle Reversing	833.13	13.90	57.25	211.30
1-1/4"; Continuous Production	920.37	19.37	80.48	299.80
K. Hand-Held Rock Drills (Jackhammers)				
Air				
to 19 lbs	1,840.00	12.75	53.91	204.64
30 to 39 lbs	2,323.00	14.63	61.56	232.52
40 to 49 lbs	2,367.00	14.79	62.22	234.93
	2,474.00	15.21	63.91	241.08

	Owning & Operating Rate			
	Est. Price \$	Day \$	Week \$	Month \$
I Hot Tan Drill Kit				
L. Hot Tap Drill Kit				
0.441				
3/4" to 4"	660.31	8.99	37.37	139.31
M. Hydraulic Hammer Drills				
Hydraulic				
	3,812.00	31.25	128.68	474.95
N. Magnetic—Two-Coil Base Drill Presses				
Electric				
	0.445.05	47.05	70.40	000.00
3/4" 1"	2,445.95	17.35	72.13	269.03
1/2"	1,060.00 1,475.33	11.59 12.55	48.78 52.71	184.20 198.68
1-1/4" to 2"	1,475.33	14.99	62.49	233.74
1-1/4 10 2	1,028.00	14.99	02.49	233.74
O. Portable Earth Augers				
Gasoline				
One Man Operation	842.40	6.94	29.95	116.06
Two Man Operation	1,816.43	13.14	57.17	223.33
Mobile Wheel Mounted	1,988.06	15.91	70.30	278.76
Mobile Trailer Mounted	7,055.10	38.29	166.76	652.02
P. Rock Drill Adapters				
	47.90	4.35	18.60	71.44
O Book Duill Chamba				
Q. Rock Drill Shanks				
12" to 24"; 0.875" Shank	842.60	12.67	52.13	192.27
24" to 48"; 0.875" Shank	1,062.60	14.97	61.41	225.72
2' to 6'; 1" Shank	596.20	8.32	34.67	129.56
6' to 10'; 1" Shank	660.01	10.75	44.43	164.51

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	Owning & Operating Rate			е
	Est. Price \$	Day \$	Week \$	Month \$
R. Standard Drills—Hand Held				
Electric				
1/4"; Variable Speed Reversing	268.58	6.27	26.57	101.13
1/4"; Variable Speed Reversing; Heavy Duty D-Handle	348.53	7.90	33.14	124.68
3/8"	779.99	12.96	53.44	197.61

### **SECTION 9: FIBER OPTIC TEST AND SPLICE EQUIPMENT**

### A. Fiber Inspectors

	2,900.00	17.42	72.63	271.70
B. Fusion Splicers				
Electric				
Active V-Groove Splicer	3,095.00	34.21	166.71	719.17
Clad Alignment Splicer	3,798.00	35.46	171.99	739.17
Core Alignment Splicer	7,400.00	41.89	199.08	841.66
Mass Fusion Splicer	7,400.00	41.89	199.08	841.66
·				
C. Light Injection Detectors				
Electric				
	348.53	1.60	6.72	25.27
D. Optical Time Domain Reflectometers				
D. Optical Time Domain Nenectometers				
Electric				

331.70

3,944.90

21.50

89.19

	Owning & Operating Rate			
	Est. Price \$	Day \$	Week \$	Month \$
E. Power Meters				
Electric				
for multi-mode with camera	2,357.67	15.29	64.04	240.56
for single mode with camera	10,800.00	79.67	334.71	1,261.76
E Wi Ei Analyzoro				
F. Wi-Fi Analyzers				
Electric				
	7,305.00	41.91	175.09	656.12
SECTION 10: GENERAL EQUIPME	NT			
OLOTION TO OLIVERAL EQUIT ME				
A Povoling Machines				
A. Beveling Machines				
Electric				
4" to 8"	2,001.00	19.08	81.00	308.62
8" to 12"	2,850.00	21.80	92.03	348.65
14" to 20"	5,813.00	31.29	130.52	488.34
B. Bolt Cutters				
18"	27.48	0.08	0.34	1.24
24"	29.98	0.09	0.37	1.35
30"	87.57	0.27	1.09	3.94
36"	119.17	0.37	1.48	5.36
C. Brooms				
	04.07	0.00	4.50	F 00
	34.97	0.39	1.58	5.80
D. Chipping Hammers				
Hydraulic				
1/2" to 3/4"; to 12 lb	549.99	11.12	46.55	174.88
1/2" to 3/4"; 12 lb and over	779.99	12.80	53.35	199.45

	Owning & Operating Rate			е
	Est. Price \$	Day \$	Week \$	Month \$
E. Conveyor Double Bucket Elevator				
Electric				
16' to 32'	19,100.00	118.96	516.45	2,012.73
33' to 40'	26,701.00	135.23	583.36	2,259.82
F. Copper Cleaning & Prep Machine				
Electric				
	1,797.92	15.86	66.30	248.58
G. Cutting Machine				
Electric				
1/2" to 4"; with Stand	323.93	13.71	59.22	229.55
77 to 1, with stalla	020.00	10.71	00.22	220.00
H. Double Tensioners				
Hydraulic	04.050.00	005.00	000.40	0.407.54
to 5,000 lbs	61,659.00	225.38	928.46	3,427.51
to 15,000 lbs	186,082.00	629.20	2,581.17	9,485.25
to 30,000 lbs	237,900.00	797.37	3,269.47	12,008.10
I. Drinking Water Containers				
2 gallon	6.35	0.20	0.81	3.00
5 gallon	13.40	0.24	1.00	3.69
10 gallon	95.02	0.79	3.21	11.67
J. Extension Cords				
50'	64.10	0.34	1.35	4.81
100'	99.98	0.53	2.10	7.51
200'	149.90	0.79	3.15	11.26

	Owning & Operating Rate			
	Est. Price \$	Day \$	Week \$	Month \$
K. Garden Hoses				
	45.35	0.46	1.84	6.60
L. General Purpose Portable Belt Convey	ors			
Electric				
Up to 23" Width; 15' Length	8,560.06	77.19	330.19	1,267.96
Up to 23" Width; 27' Length	11,918.00	87.10	371.17	1,420.00
M. Gravity Skate Wheel Conveyors				
Clarity Chate Wilder Colleges				
12" X 120"	134.00	0.88	4.04	16.57
18" X 120"	166.49	0.98	4.45	18.04
N. Ladders				
N. Laduers				
3'; Step Ladder	84.01	0.44	1.77	6.31
4'; Stepladders; Aluminum	47.98	0.25	1.01	3.60
4'; Stepladders; Fiberglass	62.00	0.33	1.30	4.66
6'; Step with Safety Shoes; Fiberglass	168.62	0.89	3.54	12.66
6'; Platform Step with Safety Shoes;	169.88	0.89	3.57	12.76
Aluminum				
6'; Step with Safety Shoes; Aluminum	198.91	1.05	4.18	14.94
8'; Step with Safety Shoes; Aluminum 8'; Step with Safety Shoes; Fiberglass	149.03 149.00	0.78 0.78	3.13 3.13	11.19 11.19
8'; Platform Step with Safety Shoes;	149.00	0.76	3.13	11.19
Aluminum	319.19	1.68	6.71	23.97
10'; Platform Step with Safety Shoes; Aluminum	169.00	0.89	3.55	12.69
10'; Step with Safety Shoes; Fiberglass	265.00	1.39	5.57	19.90
12'; Step with Safety Shoes; Fiberglass	259.00	1.36	5.44	19.45
12'; Platform Step with Safety Shoes;	320.08	1.68	6.73	24.04
Aluminum				

	Owning & Operating Rate			
	Est. Price \$	Day \$	Week \$	Month \$
14'; Platform Step with Safety Shoes; Aluminum	449.22	2.36	9.44	33.73
14'; Step with Safety Shoes; Fiberglass	682.62	3.59	14.35	51.26
16'; Step with Safety Shoes; Aluminum	437.60	2.30	9.20	32.86
16'; Platform Step with Safety Shoes; Aluminum	640.95	3.37	13.47	48.13
16'; Step with Safety Shoes; Fiberglass	737.58	3.88	15.51	55.39
20'; Extension; Aluminum	137.42	0.72	2.89	10.32
20'; Extension; Fiberglass	224.00	1.18	4.71	16.82
24'; Extension; Aluminum	159.00	0.84	3.34	11.94
24'; Extension; Fiberglass	289.00	1.52	6.08	21.70
28'; Extension; Aluminum	341.81	1.80	7.19	25.67
28'; Extension; Fiberglass	349.00	1.83	7.34	26.21
30'; Extension; Fiberglass	259.33	1.36	5.45	19.47
30'; Extension; Aluminum	353.00	1.85	7.42	26.51
32'; Extension; Aluminum	369.00	1.94	7.76	27.71
32'; Extension; Fiberglass	429.00	2.25	9.02	32.22
36'; Aluminum	417.48	2.19	8.78	31.35
40'; Extension; Fiberglass	491.82	2.58	10.34	36.93
40'; Extension; Aluminum	548.94	2.88	11.54	41.22
O. Leaf Blowers				
Electric				
	339.00	3.80	16.47	64.09
Gasoline				
	159.00	3.45	16.30	68.68
	100.00	0.10	10.00	00.00
<b></b>				
P. Manhole Ventilation Blower				
Electric				
	1,512.71	5.56	23.59	89.81
Gasoline				
	07 000 04	147.50	640.04	0.070.00
	27,802.24	147.59	612.34	2,278.02

Q. Material Carts  2 Tray Narrow 235.99 1.73 7.02 25.45 2 Tray 285.00 2.06 8.34 30.24 4 Tray 395.93 2.80 11.34 41.08 Collapsible 505.00 3.53 14.29 51.75 Lockable 513.00 3.58 14.50 52.53 Lockable with Power 710.00 4.90 19.83 71.79  R. Poly Box Trucks  6 Bushel; Poly Box Truck, 6 Bushel 195.00 1.46 5.91 21.44 16 Bushel; Poly Box Truck, 16 Bushel 300.00 2.16 8.75 31.71 20 Bushel; Poly Box Truck, 20 Bushel 360.00 2.56 10.37 37.57  S. Portable Belt Conveyors  Electric 18' x 144" 40,817.00 175.51 739.73 2,798.91  T. Portable Blower / Vacuum Systems  Electric 18'' 2 Speed; Pedestal Mounted 53.95 3.31 14.45 56.64 20"; 3 Speed; Pedestal Mounted 109.22 3.41 14.87 58.21 20"; 3 Speed; Pedestal Mounted 210.9.22 3.41 14.87 58.21 20"; 3 Speed; Pedestal Mounted 210.9.29 3.73 16.18 63.02 24"; 3 Speed; Pedestal Mounted 210.9.99 3.73 16.18 63.02 24"; 3 Speed; Pedestal Mounted 279.99 3.70 16.04 62.55 24"; 3 Speed; Ploor Mounted 279.99 3.70 16.04 62.55 30" to 36": 4 Speed; Wall Mounted 225.95 3.62 15.73 61.38		Owning & Operating Rate			
2 Tray Narrow 235.99 1.73 7.02 25.45 2 Tray 285.00 2.06 8.34 30.24 4 Tray 395.93 2.80 11.34 41.08 Collapsible 505.00 3.53 14.29 51.75 Lockable 513.00 3.58 14.50 52.53 Lockable with Power 710.00 4.90 19.83 71.79   R. Poly Box Trucks  6 Bushel; Poly Box Truck, 6 Bushel 195.00 1.46 5.91 21.44 16 Bushel; Poly Box Truck, 16 Bushel 300.00 2.16 8.75 31.71 20 Bushel; Poly Box Truck, 20 Bushel 360.00 2.56 10.37 37.57  S. Portable Belt Conveyors Electric 18' x 144" 40,817.00 175.51 739.73 2,798.91  T. Portable Blower / Vacuum Systems Electric 2,858.97 17.52 72.09 265.77  U. Portable Fans & Circulators Electric 18"; 2 Speed; Pedestal Mounted 53.95 3.31 14.45 56.64 20"; 3 Speed; Pedestal Mounted 311.99 3.73 16.18 63.02 24"; 3 Speed; Pedestal Mounted 261.00 3.66 15.89 61.95 24"; 3 Speed; Floor Mounted 279.99 3.70 16.04 62.52		Est. Price \$	Day \$	Week \$	Month \$
2 Tray Narrow 235.99 1.73 7.02 25.45 2 Tray 285.00 2.06 8.34 30.24 4 Tray 395.93 2.80 11.34 41.08 Collapsible 505.00 3.53 14.29 51.75 Lockable 513.00 3.58 14.50 52.53 Lockable with Power 710.00 4.90 19.83 71.79   R. Poly Box Trucks  6 Bushel; Poly Box Truck, 6 Bushel 195.00 1.46 5.91 21.44 16 Bushel; Poly Box Truck, 16 Bushel 300.00 2.16 8.75 31.71 20 Bushel; Poly Box Truck, 20 Bushel 360.00 2.56 10.37 37.57  S. Portable Belt Conveyors Electric 18' x 144" 40,817.00 175.51 739.73 2,798.91  T. Portable Blower / Vacuum Systems Electric 2,858.97 17.52 72.09 265.77  U. Portable Fans & Circulators Electric 18"; 2 Speed; Pedestal Mounted 53.95 3.31 14.45 56.64 20"; 3 Speed; Pedestal Mounted 109.22 3.41 14.87 58.21 20"; 3 Speed; Pedestal Mounted 311.99 3.73 16.18 63.02 24"; 3 Speed; Pedestal Mounted 261.00 3.66 15.89 61.95 24"; 3 Speed; Floor Mounted 279.99 3.70 16.04 62.52	O Matarial Carta				
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Lockable	•				
Lockable with Power   710.00   4.90   19.83   71.79	·				
R. Poly Box Trucks  6 Bushel; Poly Box Truck, 6 Bushel 195.00 1.46 5.91 21.44 16 Bushel; Poly Box Truck, 16 Bushel 300.00 2.16 8.75 31.71 20 Bushel; Poly Box Truck, 20 Bushel 360.00 2.56 10.37 37.57  S. Portable Belt Conveyors  Electric 18' x 144" 40,817.00 175.51 739.73 2,798.91  T. Portable Blower / Vacuum Systems  Electric 2,858.97 17.52 72.09 265.77  U. Portable Fans & Circulators  Electric 18"; 2 Speed; Pedestal Mounted 53.95 3.31 14.45 56.64 20"; 3 Speed; Floor Mounted 109.22 3.41 14.87 58.21 20"; 3 Speed; Pedestal Mounted 311.99 3.73 16.18 63.02 24"; 3 Speed; Pedestal Mounted 261.00 3.66 15.89 61.95 24"; 3 Speed; Floor Mounted 279.99 3.70 16.04 62.52					
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6 Bushel; Poly Box Truck, 6 Bushel 195.00 1.46 5.91 21.44 16 Bushel; Poly Box Truck, 16 Bushel 300.00 2.16 8.75 31.71 20 Bushel; Poly Box Truck, 20 Bushel 360.00 2.56 10.37 37.57  S. Portable Belt Conveyors  Electric 18' x 144" 40,817.00 175.51 739.73 2,798.91  T. Portable Blower / Vacuum Systems  Electric 2,858.97 17.52 72.09 265.77  U. Portable Fans & Circulators  Electric 18"; 2 Speed; Pedestal Mounted 53.95 3.31 14.45 56.64 20"; 3 Speed; Floor Mounted 109.22 3.41 14.87 58.21 20"; 3 Speed; Pedestal Mounted 311.99 3.73 16.18 63.02 24"; 3 Speed; Pedestal Mounted 261.00 3.66 15.89 61.95 24"; 3 Speed; Floor Mounted 279.99 3.70 16.04 62.52					
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16 Bushel; Poly Box Truck, 16 Bushel 300.00 2.16 8.75 31.71 20 Bushel; Poly Box Truck, 20 Bushel 360.00 2.56 10.37 37.57  S. Portable Belt Conveyors  Electric  18' x 144" 40,817.00 175.51 739.73 2,798.91  T. Portable Blower / Vacuum Systems  Electric  2,858.97 17.52 72.09 265.77  U. Portable Fans & Circulators  Electric  18"; 2 Speed; Pedestal Mounted 53.95 3.31 14.45 56.64 20"; 3 Speed; Floor Mounted 109.22 3.41 14.87 58.21 20"; 3 Speed; Pedestal Mounted 311.99 3.73 16.18 63.02 24"; 3 Speed; Pedestal Mounted 261.00 3.66 15.89 61.95 24"; 3 Speed; Floor Mounted 279.99 3.70 16.04 62.52	•				
16 Bushel; Poly Box Truck, 16 Bushel 300.00 2.16 8.75 31.71 20 Bushel; Poly Box Truck, 20 Bushel 360.00 2.56 10.37 37.57  S. Portable Belt Conveyors  Electric  18' x 144" 40,817.00 175.51 739.73 2,798.91  T. Portable Blower / Vacuum Systems  Electric  2,858.97 17.52 72.09 265.77  U. Portable Fans & Circulators  Electric  18"; 2 Speed; Pedestal Mounted 53.95 3.31 14.45 56.64 20"; 3 Speed; Floor Mounted 109.22 3.41 14.87 58.21 20"; 3 Speed; Pedestal Mounted 311.99 3.73 16.18 63.02 24"; 3 Speed; Pedestal Mounted 261.00 3.66 15.89 61.95 24"; 3 Speed; Floor Mounted 279.99 3.70 16.04 62.52	6 Bushel: Polv Box Truck 6 Bushel	195.00	1.46	5.91	21.44
20 Bushel; Poly Box Truck, 20 Bushel 360.00 2.56 10.37 37.57  S. Portable Belt Conveyors  Electric  18' x 144" 40,817.00 175.51 739.73 2,798.91  T. Portable Blower / Vacuum Systems  Electric  2,858.97 17.52 72.09 265.77  U. Portable Fans & Circulators  Electric  18"; 2 Speed; Pedestal Mounted 53.95 3.31 14.45 56.64 20"; 3 Speed; Floor Mounted 109.22 3.41 14.87 58.21 20"; 3 Speed; Pedestal Mounted 311.99 3.73 16.18 63.02 24"; 3 Speed; Pedestal Mounted 261.00 3.66 15.89 61.95 24"; 3 Speed; Floor Mounted 279.99 3.70 16.04 62.52	•				
S. Portable Belt Conveyors  Electric  18' x 144" 40,817.00 175.51 739.73 2,798.91  T. Portable Blower / Vacuum Systems  Electric  2,858.97 17.52 72.09 265.77  U. Portable Fans & Circulators  Electric  18"; 2 Speed; Pedestal Mounted 53.95 3.31 14.45 56.64 20"; 3 Speed; Floor Mounted 109.22 3.41 14.87 58.21 20"; 3 Speed; Pedestal Mounted 311.99 3.73 16.18 63.02 24"; 3 Speed; Pedestal Mounted 261.00 3.66 15.89 61.95 24"; 3 Speed; Floor Mounted 279.99 3.70 16.04 62.52		360.00	2.56	10.37	37.57
Electric  18' x 144"  40,817.00 175.51 739.73 2,798.91  T. Portable Blower / Vacuum Systems  Electric  2,858.97 17.52 72.09 265.77  U. Portable Fans & Circulators  Electric  18"; 2 Speed; Pedestal Mounted 53.95 3.31 14.45 56.64 20"; 3 Speed; Floor Mounted 109.22 3.41 14.87 58.21 20"; 3 Speed; Pedestal Mounted 311.99 3.73 16.18 63.02 24"; 3 Speed; Pedestal Mounted 261.00 3.66 15.89 61.95 24"; 3 Speed; Floor Mounted 279.99 3.70 16.04 62.52					
Electric  18' x 144"  40,817.00 175.51 739.73 2,798.91  T. Portable Blower / Vacuum Systems  Electric  2,858.97 17.52 72.09 265.77  U. Portable Fans & Circulators  Electric  18"; 2 Speed; Pedestal Mounted 53.95 3.31 14.45 56.64 20"; 3 Speed; Floor Mounted 109.22 3.41 14.87 58.21 20"; 3 Speed; Pedestal Mounted 311.99 3.73 16.18 63.02 24"; 3 Speed; Pedestal Mounted 261.00 3.66 15.89 61.95 24"; 3 Speed; Floor Mounted 279.99 3.70 16.04 62.52					
18' x 144"       40,817.00       175.51       739.73       2,798.91         T. Portable Blower / Vacuum Systems         Electric       2,858.97       17.52       72.09       265.77         U. Portable Fans & Circulators         Electric       18"; 2 Speed; Pedestal Mounted       53.95       3.31       14.45       56.64         20"; 3 Speed; Floor Mounted       109.22       3.41       14.87       58.21         20"; 3 Speed; Pedestal Mounted       311.99       3.73       16.18       63.02         24"; 3 Speed; Pedestal Mounted       261.00       3.66       15.89       61.95         24"; 3 Speed; Floor Mounted       279.99       3.70       16.04       62.52	S. Portable Belt Conveyors				
T. Portable Blower / Vacuum Systems  Electric  2,858.97 17.52 72.09 265.77  U. Portable Fans & Circulators  Electric  18"; 2 Speed; Pedestal Mounted 53.95 3.31 14.45 56.64 20"; 3 Speed; Floor Mounted 109.22 3.41 14.87 58.21 20"; 3 Speed; Pedestal Mounted 311.99 3.73 16.18 63.02 24"; 3 Speed; Pedestal Mounted 261.00 3.66 15.89 61.95 24"; 3 Speed; Floor Mounted 279.99 3.70 16.04 62.52	Electric				
Electric  2,858.97 17.52 72.09 265.77  U. Portable Fans & Circulators  Electric  18"; 2 Speed; Pedestal Mounted 53.95 3.31 14.45 56.64 20"; 3 Speed; Floor Mounted 109.22 3.41 14.87 58.21 20"; 3 Speed; Pedestal Mounted 311.99 3.73 16.18 63.02 24"; 3 Speed; Pedestal Mounted 261.00 3.66 15.89 61.95 24"; 3 Speed; Floor Mounted 279.99 3.70 16.04 62.52	18' x 144"	40,817.00	175.51	739.73	2,798.91
Electric  2,858.97 17.52 72.09 265.77  U. Portable Fans & Circulators  Electric  18"; 2 Speed; Pedestal Mounted 53.95 3.31 14.45 56.64 20"; 3 Speed; Floor Mounted 109.22 3.41 14.87 58.21 20"; 3 Speed; Pedestal Mounted 311.99 3.73 16.18 63.02 24"; 3 Speed; Pedestal Mounted 261.00 3.66 15.89 61.95 24"; 3 Speed; Floor Mounted 279.99 3.70 16.04 62.52					
Electric  2,858.97 17.52 72.09 265.77  U. Portable Fans & Circulators  Electric  18"; 2 Speed; Pedestal Mounted 53.95 3.31 14.45 56.64 20"; 3 Speed; Floor Mounted 109.22 3.41 14.87 58.21 20"; 3 Speed; Pedestal Mounted 311.99 3.73 16.18 63.02 24"; 3 Speed; Pedestal Mounted 261.00 3.66 15.89 61.95 24"; 3 Speed; Floor Mounted 279.99 3.70 16.04 62.52	T. Portable Blower / Vacuum Systems				
2,858.97       17.52       72.09       265.77         U. Portable Fans & Circulators         Electric         18"; 2 Speed; Pedestal Mounted       53.95       3.31       14.45       56.64         20"; 3 Speed; Floor Mounted       109.22       3.41       14.87       58.21         20"; 3 Speed; Pedestal Mounted       311.99       3.73       16.18       63.02         24"; 3 Speed; Pedestal Mounted       261.00       3.66       15.89       61.95         24"; 3 Speed; Floor Mounted       279.99       3.70       16.04       62.52					
U. Portable Fans & Circulators  Electric  18"; 2 Speed; Pedestal Mounted 53.95 3.31 14.45 56.64 20"; 3 Speed; Floor Mounted 109.22 3.41 14.87 58.21 20"; 3 Speed; Pedestal Mounted 311.99 3.73 16.18 63.02 24"; 3 Speed; Pedestal Mounted 261.00 3.66 15.89 61.95 24"; 3 Speed; Floor Mounted 279.99 3.70 16.04 62.52	Electric	2 959 07	17.50	72.00	265.77
Electric         18"; 2 Speed; Pedestal Mounted       53.95       3.31       14.45       56.64         20"; 3 Speed; Floor Mounted       109.22       3.41       14.87       58.21         20"; 3 Speed; Pedestal Mounted       311.99       3.73       16.18       63.02         24"; 3 Speed; Pedestal Mounted       261.00       3.66       15.89       61.95         24"; 3 Speed; Floor Mounted       279.99       3.70       16.04       62.52		2,030.91	17.52	72.09	203.11
Electric         18"; 2 Speed; Pedestal Mounted       53.95       3.31       14.45       56.64         20"; 3 Speed; Floor Mounted       109.22       3.41       14.87       58.21         20"; 3 Speed; Pedestal Mounted       311.99       3.73       16.18       63.02         24"; 3 Speed; Pedestal Mounted       261.00       3.66       15.89       61.95         24"; 3 Speed; Floor Mounted       279.99       3.70       16.04       62.52					
18"; 2 Speed; Pedestal Mounted       53.95       3.31       14.45       56.64         20"; 3 Speed; Floor Mounted       109.22       3.41       14.87       58.21         20"; 3 Speed; Pedestal Mounted       311.99       3.73       16.18       63.02         24"; 3 Speed; Pedestal Mounted       261.00       3.66       15.89       61.95         24"; 3 Speed; Floor Mounted       279.99       3.70       16.04       62.52	U. Portable Fans & Circulators				
20"; 3 Speed; Floor Mounted       109.22       3.41       14.87       58.21         20"; 3 Speed; Pedestal Mounted       311.99       3.73       16.18       63.02         24"; 3 Speed; Pedestal Mounted       261.00       3.66       15.89       61.95         24"; 3 Speed; Floor Mounted       279.99       3.70       16.04       62.52	Electric				
20"; 3 Speed; Floor Mounted       109.22       3.41       14.87       58.21         20"; 3 Speed; Pedestal Mounted       311.99       3.73       16.18       63.02         24"; 3 Speed; Pedestal Mounted       261.00       3.66       15.89       61.95         24"; 3 Speed; Floor Mounted       279.99       3.70       16.04       62.52	18"; 2 Speed; Pedestal Mounted	53.95	3.31	14.45	56.64
20"; 3 Speed; Pedestal Mounted       311.99       3.73       16.18       63.02         24"; 3 Speed; Pedestal Mounted       261.00       3.66       15.89       61.95         24"; 3 Speed; Floor Mounted       279.99       3.70       16.04       62.52		109.22	3.41	14.87	58.21
24"; 3 Speed; Pedestal Mounted       261.00       3.66       15.89       61.95         24"; 3 Speed; Floor Mounted       279.99       3.70       16.04       62.52		311.99	3.73	16.18	63.02
, - I , ,	•	261.00	3.66	15.89	61.95
	24"; 3 Speed; Floor Mounted	279.99	3.70	16.04	62.52
	30" to 36"; 4 Speed; Wall Mounted	225.95	3.62	15.73	61.38
30" to 36"; 4 Speed; Pedestal Mounted 241.95 3.66 15.88 61.92					
30" to 36"; 3 Speed; Floor Mounted 349.93 3.82 16.53 64.35	• • •	349.93	3.82	16.53	64.35

	Owning & Operating Rate			
	Est. Price \$	Day \$	Week \$	Month \$
30" to 36"; 2 Speed; Floor Mounted	405.32	3.95	17.09	66.40
Battery Powered	139.00	3.44	14.98	58.60
V. Post Drivers				
Gasoline				
	1,699.00	12.49	53.56	206.27
W. Reel Carrier				
Manual				
to 20,000 lbs	43,790.00	135.65	557.36	2,051.79
X. Reel Cart Or Stand				
66"	6,650.00	22.63	94.78	356.19
72"	8,000.00	26.74	111.59	417.83
96"	10,680.00	34.89	144.97	540.18
108"	13,300.00	42.86	177.61	659.79
Y. Reel Winder				
Hydraulic				
	18,750.00	86.12	358.50	1,338.41
Z. Shovel - Pole Hole				
8'	111.09	0.90	3.64	13.24
10'	120.83	0.96	3.90	14.19
12'	135.69	1.06	4.30	15.64
AA. Single Pullers				
Diesel				
to 6,000 lbs; E.g.: TSE DP-60	66,167.00	368.14	1,640.22	6,552.59

	Owning & Operating Rate			е
	Est. Price \$	Day \$	Week \$	Month \$
to 15,000 lbs; E.g.: TSE DP-100	188,709.00	697.87	3,042.86	11,908.78
to 30,000 lbs	324,867.00	1,205.62	5,308.25	20,970.46
AB. Single Tensioners				
Hydraulic				
to 5,000 lbs	34,550.00	137.40	568.37	2,107.66
to 15,000 lbs	128,650.00	442.80	1,818.30	6,689.08
to 30,000 lbs	186,080.00	629.19	2,581.15	9,485.15
AC. Sound Power Telephones				
The second secon				
	746.00	4.29	17.81	66.32
		0		00.02
AD Croom Bole Hole				
AD. Spoon - Pole Hole				
8'	106.10	0.86	3.51	12.75
10'	118.17	0.94	3.83	13.93
12'	131.28	1.03	4.19	15.21
AE. Sprayers				
Electric				
Airless with Gun and Hose (Self-contained)	987.36	8.25	34.38	128.47
Gasoline				
Airless with Gun and Hose (Self-contained)	3,667.14	29.16	123.39	468.62
Autoss with Out and Hose (Gen-Contained)	0,007.14	20.10	120.00	700.02
A.F. Tana Freshagana				
AF. Tape Embossers				
Manual				
	160.00	1.07	4.32	15.64

	Owning & Operating Rate			
	Est. Price \$	Day \$	Week \$	Month \$
A.C. Twook Courier				
AG. Track Carrier				
Diesel				
E.g.: Yanmar C30R-3	84,026.00	531.72	2,260.41	8,626.00
AH. Trailer Mounted Tar Kettles				
80 gallon	3,500.00	22.29	93.83	354.59
115 gallon	4,200.00	24.79	104.06	392.07
165 gallon	4,600.00	26.22	109.91	413.48
175 gallon	6,600.00	33.37	139.15	520.54
250 gallon	9,600.00	44.10	183.00	681.12
350 gallon	11,400.00	50.54	209.32	777.48
500 gallon	15,400.00	64.85	267.79	991.60
Al. Triple Tensioners  Hydraulic  to 5,000 lbs	61,659.00	225.38	928.46	3,427.51
to 15,000 lbs	184,480.00	624.00	2,559.90	9,407.25
to 30,000 lbs	485,960.00	1,602.44	6,564.46	24,085.31
AJ. Ventilating Blowers  Electric				
to 8"	1,325.27	6.23	24.91	88.97
10" to 12"	3,929.25	11.10	44.38	158.51
24"	5,386.56	13.83	55.32	197.56
36"	7,809.42	18.30	73.20	261.44
AK. Ventilating Fans				
Hydraulic				
24"; Cooling Fan, Pedestal Type	570.06	6.38	26.64	99.76
24"; Exhaust Fan	752.59	7.41	30.81	114.86
36"; Exhaust Fan	1,509.23	11.68	48.09	177.46

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	Owning & Operating Rate			
	Est. Price \$	Day \$	Week \$	Month \$
AL. Wheelbarrows				
	109.00	0.75	3.07	11.18
AM. Work Bench				
72" X 30"	562.47	2.65	10.71	38.59
96" X 36"	369.43	1.77	7.15	25.87

### **SECTION 11: GENERATORS**

# A. Large Generator Sets

### Diesel

20 kw; Enclosed	29,652.00	119.96	534.71	2,137.42
20 kw; Open	29,652.00	119.96	534.71	2,137.42
30 kw; Enclosed	29,619.00	131.91	594.66	2,401.79
30 kw; Open	29,619.00	131.91	594.66	2,401.79
40 kw; Enclosed	29,605.00	145.89	664.58	2,709.51
40 kw; Open	29,605.00	145.89	664.58	2,709.51
45 kw; Enclosed	33,967.70	151.47	687.87	2,796.79
45 kw; Open	23,751.70	133.25	612.71	2,518.72
50 kw; Enclosed	29,540.00	161.99	744.84	3,061.83
50 kw; Open	29,540.00	161.99	744.84	3,061.83
60 kw; Enclosed	37,234.70	201.85	914.90	3,713.40
60 kw; Open	27,134.70	180.01	825.26	3,383.77
65 kw; Enclosed	41,315.00	225.23	1,020.16	4,138.13
65 kw; Open	41,315.00	225.23	1,020.16	4,138.13
75 kw; Enclosed	42,695.00	241.54	1,099.27	4,478.16
75 kw; Open	42,695.00	241.54	1,099.27	4,478.16
90 kw; Enclosed	43,794.00	257.38	1,176.45	4,811.03
90 kw; Open	43,794.00	257.38	1,176.45	4,811.03
100 kw; Enclosed	32,843.90	257.46	1,201.45	5,002.41
100 kw; Open	40,276.90	273.54	1,267.43	5,245.00
125 kw; Enclosed	39,196.00	291.02	1,357.45	5,649.79

	Owning & Operating Rate			
	Est. Price \$	Day \$	Week \$	Month \$
125 kw; Open	39,196.00	291.02	1,357.45	5,649.79
150 kw; Enclosed	44,045.00	341.89	1,603.98	6,708.69
150 kw; Open	44,045.00	341.89	1,603.98	6,708.69
200 kw; Enclosed	48,223.00	374.97	1,761.89	7,378.72
200 kw; Open	48,223.00	374.97	1,761.89	7,378.72
225 kw; Enclosed	76,802.50	501.07	2,334.32	9,705.31
225 kw; Open	53,949.50	460.03	2,165.24	9,080.82
300 kw; Enclosed	64,883.00	561.59	2,650.84	11,144.04
300 kw; Open	64,883.00	561.59	2,650.84	11,144.04
350 kw; Enclosed	74,724.00	633.20	2,991.34	12,584.04
350 kw; Open	74,724.00	633.20	2,991.34	12,584.04
400 kw; Enclosed	139,152.00	882.91	4,133.84	17,260.23
400 kw; Open	139,152.00	882.91	4,133.84	17,260.23
450 kw; Enclosed	87,379.00	875.87	4,065.61	16,850.77
450 kw; Open	87,379.00	875.87	4,065.61	16,850.77
500 kw; Enclosed	104,344.00	949.21	4,396.49	18,188.24
500 kw; Open	104,344.00	949.21	4,396.49	18,188.24
600 kw; Enclosed	179,423.00	1,141.18	5,214.06	21,314.89
600 kw; Open	129,913.00	1,029.97	4,758.89	19,645.78
700 kw; Enclosed	166,207.00	1,416.06	6,743.60	28,558.00
700 kw; Open	166,207.00	1,416.06	6,743.60	28,558.00
800 kw; Enclosed	181,450.00	1,610.96	7,695.42	32,671.03
800 kw; Open	181,450.00	1,610.96	7,695.42	32,671.03
900 kw; Enclosed	283,926.00	1,815.51	8,275.62	33,759.98
900 kw; Open	283,926.00	1,815.51	8,275.62	33,759.98
1,000 kw; Enclosed	381,148.00	2,247.56	10,201.86	41,461.28
1,000 kw; Open	381,148.00	2,247.56	10,201.86	41,461.28
1,500 kw; Enclosed	688,845.00	3,816.36	17,887.87	74,757.03
1,500 kw; Open	688,845.00	3,816.36	17,887.87	74,757.03
Gasoline				
25 to 45 kw	13,625.00	135.97	635.63	2,650.39
50 to 65 kw	17,050.00	196.85	927.10	3,890.19
70 to 85 kw	20,925.00	246.97	1,169.36	4,928.60
100 to 115 kw	40,300.00	388.77	1,836.07	7,722.21
125 kw and over	40,450.00	409.97	1,941.77	8,186.27

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	Owning & Operating Rate			е
	Est. Price \$	Day \$	Week \$	Month \$
B. Small Generator Sets				
Diesel				
to 2,500 watt	2,833.00	17.17	77.15	310.64
3,000 to 4,000 watt	3,733.00	20.47	91.28	365.04
5,000 to 6,000 watt	4,676.00	27.10	121.99	492.04
6,500 watts	8,929.00	43.17	191.18	759.52
5,001 to 9,999 watt	15,905.00	64.24	278.25	1,082.22
10,000 watts	16,350.00	69.53	301.60	1,174.80
10,001 to 14,000 watt	17,833.10	78.00	340.06	1,331.02
15,000 to 20,000 watt	20,797.10	96.62	425.29	1,680.08
Gasoline				
1,000 watts	1,098.00	12.52	58.27	242.09
1,500 to 1,800 watt	1,123.00	12.59	58.57	243.18
2,500 watt	1,620.00	16.56	77.05	320.03
3,000 watt	2,149.00	21.25	99.06	412.10
3,500 watt	2,381.00	21.93	101.83	422.16
4,000 watt	2,699.00	26.63	124.47	518.90
5,000 watt	3,030.00	27.60	128.41	533.26
5,500 watt	4,037.00	33.24	152.26	623.79
6,000 watt	4,037.00	35.74	164.73	678.67
7,500 watt	4,856.00	42.20	194.49	801.12
9,000 watt	6,021.00	51.06	235.15	967.97
11,000 watt	5,833.00	52.59	242.81	1,001.74
12,000 watt	8,051.00	63.34	291.07	1,195.94

### **SECTION 12: HEATERS**

## A. Forced Air Space Heaters

### **Electric**

1,600 watt	299.00	8.28	33.71	122.77
4,000 watt	207.00	4.36	20.35	84.72

	Ov	Owning & Operating Rate		
	Est. Price \$	Day \$	Week \$	Month \$
LPG				
30,000 Btu; without fuel	175.34	6.27	25.61	93.68
40,000 btu; without fuel	235.00	6.86	28.01	102.33
75,000 btu; without fuel	260.00	7.23	29.48	107.64
60000 btu; without fuel	249.59	7.48	30.47	111.15
15,000 Btu; without fuel	333.86	8.32	33.85	123.32
150,000 btu; without fuel	396.00	9.23	37.52	136.52
80,000 btu; without fuel	387.40	9.72	39.50	143.56
175,000 to 350,000 btu; without fuel	760.00	14.58	59.02	213.81
B. Ground Thawers				
LPG				
48" x 54"; without fuel	2,699.00	47.39	190.90	687.35
C. High Pressure/Oil Fired Space Heat  Kerosene	ers			
320,000 btu; without fuel	2,065.00	30.24	122.09	440.85
650,000 btu; without fuel	2,131.50	34.73	140.05	505.12
50,000 btu; without fuel	267.00	6.88	28.08	102.65
100,000 btu; without fuel	435.00	9.06	36.87	134.25
150,000 btu; without fuel	500.00	9.91	40.27	146.48
D. Radiant Space Heaters				
LPG				
30,000 to 80,000 btu; without fuel	208.00	9.93	40.76	149.86
30,000 to 250,000 btu; without fuel	358.00	12.18	49.78	182.32
E. Sunflower Heaters				
LDC				
LPG				
Single Head	79.99	4.72	19.37	71.25

	Owning & Operating Rate			Э
	Est. Price \$	Day \$	Week \$	Month \$
SECTION 13: HOISTS				
A. Block & Tackle Hoists				
7.1 DIOON OF TOOMS				
1/0". Disply and Toples	100.00	0.04	2.75	45.40
1/2"; Block and Tackle	109.99	0.81	3.75	15.49
3/4"; Block and Tackle	434.46	1.79	7.75	30.15
1"; Block and Tackle	655.54	2.46	10.48	40.13
B. Cable Chokers				
1/4" diameter; 60" height	33.83	0.38	1.55	5.68
1/4" diameter; 120" height	49.53	0.48	1.98	7.22
1/4" diameter; 180" height	76.00	0.66	2.69	9.81
1/4" diameter; 240" height	105.73	0.86	3.50	12.71
1/2" diameter; 60" height	56.39	0.53	2.16	7.89
1/2" diameter; 120" height	36.40	0.40	1.62	5.94
1/2" diameter; 180" height	47.20	0.47	1.91	6.99
1/2" diameter; 240" height	48.70	0.48	1.95	7.14
3/4" diameter; 60" height	132.40	1.04	4.22	15.32
3/4" diameter; 120" height	34.70	0.39	1.58	5.77
3/4" diameter; 180" height	119.31	0.95	3.86	14.04
3/4" diameter; 240" height	116.55	0.93	3.79	13.77
1" diameter; 60" height	132.40	1.04	4.22	15.32
1" diameter; 120" height	136.40	1.06	4.32	15.71
1" diameter; 180" height	219.22	1.62	6.56	23.81
1" diameter; 240" height	207.77	1.54	6.25	22.69
C. Coffing Hoists				
o. Coming Holata				
1/2 ton	298.53	1.38	6.08	24.00
3/4 ton	425.95	1.77	7.65	29.76
1-1/2 tons	784.11	2.85	12.07	45.94
3 tons	1,629.20	5.40	22.50	84.12
6 tons	3,177.55	10.08	41.62	154.06

	Owning & Operating Rate			Э
	Est. Price \$	Day \$	Week \$	Month \$
D. Com Alongo				
D. Com-Alongs				
1/2 tons; Chain or Cable	160.00	0.96	4.37	17.75
3/4 tons; Chain or Cable	285.00	1.34	5.91	23.39
1 to 2 tons; Chain or Cable	450.00	1.84	7.95	30.85
3 to 4 tons; Chain or Cable	860.00	3.08	13.01	49.37
6 tons; Chain or Cable	1,400.00	4.71	19.68	73.76
E. Drum Hoists				
Air				
35,000 lbs; Double-Drum	248,441.36	712.73	2,938.86	10,860.25
65,000 lbs; Double-Drum	328,117.25	936.63	3,860.37	14,258.64
125,000 lbs; Double-Drum	381,105.67	1,085.54	4,473.21	16,518.74
155,000 lbs; Double-Drum	445,068.26	1,265.28	5,212.98	19,246.91
225,000 lbs; Double-Drum	643,827.38	1,823.82	7,511.76	27,724.52
300,000 lbs; Double-Drum	830,756.55	2,349.12	9,673.72	35,697.55
35,000 lbs; Triple-Drum	323,515.50	923.70	3,807.15	14,062.36
65,000 lbs; Triple-Drum	424,260.72	1,206.81	4,972.33	18,359.42
125,000 lbs; Triple-Drum	480,407.72	1,364.59	5,621.71	20,754.24
155,000 lbs; Triple-Drum	554,553.09	1,572.95	6,479.25	23,916.74
225,000 lbs; Triple-Drum	906,856.56	2,562.97	10,553.87	38,943.42
225,000 ib3, Tilpio Brain	000,000.00	2,002.01	10,000.01	00,040.42
Gasoline				
14 to 22 hp	1,200.00	18.48	79.70	308.59
F. Duct Hoists				
Manual				
manaar	3,343.00	10.58	43.66	161.54
	3,343.00	10.56	43.00	101.54
G. Electric Cable Hoists				
2 hp; 1 Speed, 1/2 ton Capacity	3,904.04	12.14	52.40	203.13
2 hp; 2 Speed, 1/2 ton Capacity	4,521.46	13.68	58.79	226.94
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Owning & Operating Rate	_	_	_	
Owning & Operating Rate	Owning	0	Operating De	+~
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	Est. Price \$	Day \$	Week \$	Month \$
4 hp; 1 Speed, 1 ton Capacity	5,355.13	15.76	67.43	259.08
4 hp; 1 Speed, 2 ton Capacity	5,916.14	17.16	73.24	280.72
4 hp; 2 Speed, 1 ton Capacity	5,972.55	17.30	73.82	282.89
4 hp; 1 Speed, 3 ton Capacity	7,091.42	20.09	85.41	326.04
4-1/2 hp; 1 Speed, 5 ton Capacity	7,398.57	20.86	88.60	337.88
4 hp; 2 Speed, 3 ton Capacity	7,708.84	21.63	91.81	349.84
4-1/2 hp; 2 Speed, 5 ton Capacity	8,015.98	22.40	94.99	361.69

### **H. Gantry Cranes**

Crane, Gantry Aluminum	2,891.21	11.19	47.96	184.59
Sumner GH2T-10	4,800.00	26.63	109.28	401.70

### I. Hand Line Hoists

155.00	0.05	1 20	17 50
155.00	0.95	4.30	17.52

## J. Heavy Duty Electric Chain Hoists

2 tons; 2 Speed	11,299.50	35.20	152.03	589.62
3 tons; 2 Speed	12,943.80	39.63	170.68	660.11
5 tons; 2 Speed	13,781.70	41.89	180.18	696.04
10 tons; 2 Speed	20,163.80	59.07	252.55	969.65

### **K. Light Duty Manual Hoists**

500 pounds; 12' Lift Height	172.40	1.00	4.52	18.31
1/2 ton; 10' Lift Height; Hand Chain	129.54	0.79	3.66	15.19
1/2 ton; 20' Lift Height; Hand Chain	220.54	1.00	4.55	18.47
1 ton; 10' Lift Height; Hand Chain	146.26	0.83	3.82	15.79
1 ton; 20' Lift Height; Hand Chain	276.26	1.14	5.09	20.47
1 ton; 25' Lift Height	285.00	1.34	5.91	23.39
1-1/2 tons; 10' Lift Height; Lever Chain	623.00	2.36	10.08	38.66
1-1/2 tons; 20' Lift Height; Lever Chain	845.00	3.03	12.82	48.69

	Owning & Operating Rate			
	Est. Price \$	Day \$	Week \$	Month \$
2 tons; 10' Lift Height; Hand Chain	297.74	1.19	5.30	21.25
2 tons; 20' Lift Height; Hand Chain	502.74	1.68	7.31	28.64
3 tons; 10' Lift Height; Hand Chain	363.56	1.34	5.95	23.62
3 tons; 20' Lift Height; Hand Chain	717.56	2.19	9.41	36.38
4 tons; 10' Lift Height; Hand Chain	593.39	2.27	9.72	37.32
4 tons; 20' Lift Height; Hand Chain	947.39	3.34	14.09	53.32
5 tons; 10' Lift Height; Hand Chain	823.22	2.44	10.45	40.18
10 tons and over	2,085.22	7.40	32.58	128.73
L. Lightweight Electric Chain Hoists				
1/4 tons; 1/4 hp; 1 Speed	3,227.44	11.95	50.14	188.81
1/4 tons; 1/4 hp; 2 Speed	2,788.30	8.72	37.12	141.86
1/2 tons; 1/2 hp; 1 Speed	2,998.29	9.27	39.37	150.17
1/2 tons; 1/2 hp; 2 Speed	3,054.70	9.42	39.98	152.40
1 ton; 1 hp; 1 Speed	3,213.50	9.83	41.68	158.68
1 ton; 1 hp; 2 Speed	3,303.34	10.07	42.65	162.23
2 tons; 2 hp; 1 Speed	3,963.59	11.79	49.74	188.35
2 tons; 2 hp; 2 Speed	4,531.91	13.28	55.84	210.83
M. Manila Ropes				
1/2" x 100'	44.42	0.45	1.84	6.72
3/4" x 100'	134.89	1.05	4.28	15.56
N. Rope Connectors				
7/16"	371.89	2.64	10.69	38.73
11/16"	519.01	3.62	14.66	53.12
1"; 10,000 capacity	520.23	3.63	14.70	53.24

	Owning & Operating Rate			
	Est. Price \$	Dav \$	Week \$	Month \$
O. Rope Grabs				
5/8"	125.00	0.99	4.02	14.60
3/8"	224.50	1.65	6.70	24.32
P. Rope Sling				
	34.10	0.38	1.56	5.71
Q. Snatch Blocks				
C. C				
Manila	255.30	1.25	5.54	22.05
Wire	316.14	1.43	6.29	24.80
VVIIC	310.14	1.45	0.29	24.00
R. Winches				
Electric				
to 8 hp; Powered	1,200.00	8.78	40.59	167.60
8 to 12 hp; Powered	2,917.67	14.50	64.46	256.93
12 to 20 hp; Powered	11,977.00	44.69	190.38	728.12
Manual				
1 ton	12,043.40	43.51	185.09	707.07
2 tons	20,331.80	63.42	267.42	1,012.30
S. Wire Rope				
1/8" X 300'	139.95	1.09	4.42	16.06
1/4" X 100'	45.98	0.46	1.88	6.87
1/4" X 300'	395.00	2.79	11.31	40.99
1/4" X 600'	675.00	4.66	18.88	68.37
3/8" X 100'	113.40	0.91	3.70	13.46
3/8" X 600'	246.00	1.80	7.29	26.43
3/8" X 1200'	379.46	2.69	10.89	39.47

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	Owning & Operating Rate			Э
	Est. Price \$	Day \$	Week \$	Month \$
1/2" X 300"	350.00	2.49	10.10	36.59
1/2" X 600'	650.00	4.50	18.20	65.92
1/2" X 1200'	900.00	6.17	24.96	90.36
1/2" X 1800'	1,350.00	9.17	37.12	134.36
9/16" X 600'	2,770.87	18.67	75.52	273.26
9/16" X 1200'	5,530.96	37.11	150.11	543.09
5/8" X 600'	1,112.42	7.59	30.70	111.13
5/8" X 1200'	1,425.00	9.67	39.15	141.69
3/4" X 600'	1,100.00	7.50	30.36	109.91
3/4" X 1200'	2,000.00	13.52	54.69	197.90
3/4" X 1800'	2,464.75	16.62	67.25	243.34
7/8" X 300'	685.00	4.73	19.15	69.34
7/8" X 600'	1,818.91	12.31	49.79	180.20
7/8" X 1200'	3,623.44	24.36	98.56	356.61
7/8" X 1800'	3,663.68	24.63	99.65	360.54
1"X 300'	876.00	6.01	24.31	88.02
1"X 600'	1,750.00	11.85	47.93	173.46
1"X 1200'	3,500.00	23.54	95.22	344.54
1-1/8" X 600'	1,200.00	8.17	33.07	119.69
1-1/4" X 600'	1,500.00	10.17	41.17	149.02
T. Wire Rope Sling				
i. Wite Kope Offing				

34.10

0.38

5.71

1.56

	Owning & Operating Rate			
	Est. Price \$	Day \$	Week \$	Month \$
SECTION 14: LIGHTING EQUIPMEN	т			
A. Floodlights				
Electric				
500 watt; Tripod (Quartz)	224.18	4.91	20.87	79.63
1,000 watt; Tripod (Quartz)	531.80	5.96	25.13	95.08
1,000 watt; Cart (Metal Halide)	1,060.94	7.77	32.47	121.66
1,500 watt; Cart (Metal Halide)	1,110.00	7.94	33.15	124.12
2,000 watt; Cart (Metal Halide)	1,920.00	10.71	44.38	164.81
2,000 watt; Cart (Metal Halide) with Gas Generator	1,920.00	10.71	44.38	164.81
Portable Job Site Light	298.07	5.16	21.89	83.34
B. Portable Light Towers  Diesel  1,000 watts	8,586.00	64.64	275.13	1,051.62
2,000 watts	12,827.00	78.87	335.06	1,278.18
Gasoline				
1,000 watts	6,149.00	49.12	210.59	810.85
2,000 watts  C. Work Lights	6,019.00	50.30	216.84	839.44
Electric				
50 watts; Flood Light Lantern, M12, 400 Lumens	69.00	0.24	0.96	3.47
75 watts; Temp Light, Trouble Light	24.99	0.09	0.35	1.26
100 watts; Highbay, 25' Cord	164.00	4.70	20.03	76.61
175 watts; Wobble Light	399.99	5.51	23.30	88.46
324 watts; Fluorescent Light Fixture	104.00	4.50	19.20	73.59
400 watts; Wobble Light	449.99	5.68	24.00	90.97
500 watts; Halogen Floor light	25.00	0.09	0.35	1.26

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Owning & Operating Ra	Owning (	& (	Operat	ing	Rat
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# **SECTION 15: MATERIAL HANDLING**

# Est. Price \$ Day \$ Week \$ Month \$

#### A. Cushion Tire Sit-Down Rider Electric Lift Trucks

2,000 to 2,499 lbs; 48 V	31,335.00	83.40	344.89	1,278.91
2,500 to 2,999 lbs; 36 V	32,258.00	85.61	353.87	1,311.63
2,500 to 2,999 lbs; 48 V	32,562.00	86.33	356.82	1,322.41
3,000 to 3,999 lbs; 36 V	33,181.00	76.58	317.81	1,182.99
3,000 to 3,999 lbs; 48 V	33,777.00	77.80	322.78	1,201.15
4,000 to 4,999 lbs; 36 V	38,707.00	107.91	443.96	1,637.29
4,000 to 4,999 lbs; 48 V	39,317.00	109.47	450.31	1,660.37
5,000 to 5,999 lbs; 36 V	42,087.00	105.59	435.35	1,609.27
5,000 to 5,999 lbs; 48 V	42,397.00	106.30	438.26	1,619.87
6,000 to 6,999 lbs; 36 V	47,312.00	129.06	529.97	1,950.42
6,000 to 6,999 lbs; 48 V	47,925.00	130.61	536.30	1,973.45
7,000 to 7,999 lbs; 36 V	58,065.00	150.14	616.23	2,266.54
7,000 to 7,999 lbs; 48 V	58,369.00	150.88	619.24	2,277.52
8,000 lbs and over; 36 V	60,828.00	151.73	624.53	2,304.29
8,000 lbs and over; 48 V	61,442.00	153.15	630.31	2,325.38

### **B. Cylinder Trucks**

6-1/4"D X 23"H; Cylinder Carrier; Max 2 Tanks	80.63	0.78	3.35	13.00
8-1/2"D X 51"H; Hand Truck; Max 2 Tanks	120.95	1.04	4.43	16.87
8-1/2"D X 51"H; Hand Truck with casters; Max 2 Tanks	174.70	1.40	5.87	22.03
9-1/2"D; Lift Truck Caddy; Max 6 Tanks	456.92	3.28	13.41	49.12
9-1/2"D; Pallet Truck Caddy; Max 4 Tanks	497.23	3.55	14.49	52.99
12-1/2"D X 60"H; Hand Truck; Max 2 Tanks	541.96	3.84	15.68	57.29

### C. Dollies

Small	31.41	0.33	1.59	6.69
Large	76.98	2.62	12.91	56.11
Machinery	1,733.00	7.66	33.54	131.71

	Owning & Operating Rate			e		
	Est. Price \$	Day \$	Week \$	Month \$		
D. Hand Trucks						
2 wheel	195.77	1.07	4.81	19.36		
4 wheel	217.28	1.13	5.07	20.33		
E. Hilman Rollers						
L. Hillian Kollers						
3 tons	1,025.53	3.58	15.05	56.85		
8 tons	1,101.50	3.81	15.99	60.28		
15 tons	4,840.08	17.12	72.24	273.56		
25 tons	4,840.08	17.12	72.24	273.56		
40 tons	5,212.40	18.25	76.87	290.56		
100 tons and over	5,097.96	17.90	75.45	285.34		
F. I.C. Cushion Tire Lift Trucks						
Diesel						
4,000 to 4,999 lbs	25,000.00	84.39	367.85	1,439.60		
5,000 to 5,999 lbs	27,171.00	99.66	433.34	1,691.83		
6,000 to 6,999 lbs	37,539.00	130.59	564.05	2,187.70		
7,000 to 7,999 lbs	41,854.00	125.73	546.54	2,133.23		
8,000 to 8,999 lbs	42,475.00	126.10	550.48	2,157.41		
9,000 to 11,999 lbs	47,325.00	141.28	615.93	2,410.83		
12,000 to 12,999 lbs	52,700.00	149.25	655.87	2,586.78		
15,000 lbs and over	56,422.00	152.20	665.33	2,610.97		
Gasoline						
	22 627 00	67.70	294.56	1 110 11		
2,000 to 2,499 lbs	22,627.00	67.79		1,149.14		
2,500 to 2,999 lbs	28,305.00	77.20	333.01	1,289.93		
3,000 to 3,999 lbs	31,000.00 33,700.00	79.63 96.24	343.16 418.41	1,327.99		
4,000 to 4,999 lbs 5,000 to 5,999 lbs			525.94	1,633.24		
•	36,800.00 40,900.00	120.75 118.24	525.94	2,056.72		
6,000 to 6,999 lbs		139.61	611.65	2,014.85		
7,000 to 7,999 lbs	49,300.00			2,405.35		
8,000 to 8,999 lbs	54,500.00	157.14	686.06	2,689.08		

	Owning & Operating Rate			
	Est. Price \$	Day \$	Week \$	Month \$
10,000 to 11,999 lbs	67,500.00	181.94	785.53	3,045.60
12,000 to 12,999 lbs	69,700.00	177.47	775.53	3,042.42
15,000 lbs and over	74,310.00	182.96	794.28	3,096.09
G. I.C. Pneumatic Tire Lift Trucks				
Diesel				
2,500 to 2,999 lbs; 41 hp	33,079.30	77.73	331.77	1,271.65
3,000 to 3,999 lbs; 42 hp	31,110.80	69.89	298.97	1,148.44
4,000 to 4,999 lbs; 48.2 hp	35,807.50	91.88	397.45	1,543.76
5,000 to 5,999 lbs; 57.4 hp	41,905.50	114.24	489.98	1,887.16
6,000 to 6,999 lbs; 57.5 hp	45,250.80	118.68	508.98	1,960.18
7,000 to 7,999 lbs; 84.9 hp	55,805.50	135.37	590.85	2,315.26
8,000 to 8,999 lbs; 83.5 hp	56,511.90	141.93	614.36	2,387.92
9,000 to 10,999 lbs; 93.1 hp	68,653.70	157.40	680.31	2,640.39
11,000 to 12,999 lbs; 93.5 hp	77,818.00	178.04	766.55	2,963.82
13,000 to 15,999 lbs; 97.8 hp	84,745.20	191.09	823.48	3,186.70
16,000 to 19,999 lbs; 121 hp	108,098.00	222.90	970.10	3,790.67
16,000 to 19,999 lbs; 130 hp	112,075.00	231.96	1,010.75	3,954.18
20,000 to 29,999 lbs; 144 hp	120,947.00	246.10	1,089.84	4,330.04
30,000 to 49,999 lbs; 152 hp	181,160.00	340.08	1,478.08	5,768.15
30,000 to 49,999 lbs; 165.3 hp	191,784.00	359.84	1,565.10	6,112.02
50,000 to 69,999 lbs; 215 hp	311,607.00	537.79	2,314.14	8,942.26
Gasoline				
2,000 to 2,499 lbs; 37 hp	20,467.90	56.37	244.91	955.43
2,500 to 2,999 lbs; 42 hp	27,291.30	69.27	298.22	1,152.84
3,000 to 3,999 lbs; 44.7 hp	27,620.80	63.52	274.31	1,063.79
4,000 to 4,999 lbs; 45.1 hp	34,425.50	94.31	406.43	1,572.93
5,000 to 5,999 lbs; 59.3 hp	38,599.50	109.42	471.55	1,824.91
6,000 to 6,999 lbs; 61.1 hp	42,281.80	116.15	500.38	1,935.76
7,000 to 7,999 lbs; 79 hp	54,454.50	136.89	600.28	2,362.74
8,000 to 8,999 lbs; 91.8 hp	55,471.90	144.20	627.21	2,449.41
9,000 to 10,999 lbs; 93.1 hp	64,413.70	155.30	674.89	2,633.36
11,000 to 12,999 lbs; 93.5 hp	65,868.00	149.84	654.84	2,569.16

	Owning & Operating Rate			
	Est. Price \$	Day \$	Week \$	Month \$
13,000 to 15,999 lbs; 91.8 hp	80,220.20	183.46	791.33	3,065.12
16,000 to 19,999 lbs; 95 hp	90,507.90	190.18	827.03	3,229.18
16,000 to 19,999 lbs; 140 hp	114,926.00	177.06	739.89	2,774.47
20,000 to 29,999 lbs; 145.3 hp	133,440.00	261.95	1,156.14	4,578.86
20,000 to 29,999 lbs; 151.6 hp	138,770.00	271.64	1,199.04	4,749.29
H. Loading Ramps				
Metal	686.86	2.55	10.87	41.55
I. Low-Lift Pallet Type Hand Trucks  Electric				
4,000 lbs; 12/24V	4,188.00	17.91	78.34	307.45
6,000 lbs; 12/24V	9,733.00	33.09	139.89	530.84
8,000 lbs; 12/24V 10,000 lbs; 12/24V	20,625.06 26,955.88	58.77 73.98	244.42 306.25	911.54 1,136.61
J. Low-Lift Platform Type Hand Trucks  Electric				
1,500 lbs; 24 V	4,727.67	20.60	89.16	346.36
6,000 lbs; 12 V	21,020.74	59.72	248.28	925.61
8,000 lbs; 12 V	25,966.69	71.60	296.59	1,101.44
10,000 lbs; 12 V	32,099.67	86.33	356.49	1,319.48
K. Material Lifts				
Electric				
750 lbs	5,866.35	20.93	86.87	323.19
500 lbs	6,383.97	22.66	93.90	348.92
Manual				
500 lbs	1,861.57	8.06	35.14	137.58
650 lbs	2,271.12	9.30	40.24	156.28

	Owning & Operating Rate			
	Est. Price \$	Day \$	Week \$	Month \$
I Mylon Lifting Clings				
L. Nylon Lifting Slings				
2'; Nylon Lifting Choker	20.00	0.29	1.18	4.33
3'; Nylon Lifting Choker	17.00	0.27	1.10	4.04
4'; Nylon Lifting Choker	20.00	0.29	1.18	4.33
6'; Nylon Lifting Choker	24.00	0.31	1.29	4.72
8'; Nylon Lifting Choker	30.00	0.35	1.45	5.31
10'; Nylon Lifting Choker	35.00	0.39	1.58	5.80
12'; Nylon Lifting Choker	42.00	0.43	1.77	6.48
14'; Nylon Lifting Choker	48.00	0.47	1.94	7.07
16'; Nylon Lifting Choker	55.00	0.52	2.12	7.75
18'; Nylon Lifting Choker	60.00	0.55	2.26	8.24
20'; Nylon Lifting Choker	70.00	0.62	2.53	9.22
30'; Nylon Lifting Choker	97.56	0.81	3.27	11.91
, , ,				
M. Dollot Jooks				
M. Pallet Jacks				
Hydraulic				
to 4,000 lbs	776.24	5.12	21.13	78.12
4,001 to 6,000 lbs	6,858.58	39.02	159.89	586.83
6,001 to 7,999 lbs	550.00	3.86	15.96	59.19
8,000 lbs and over	660.53	4.48	18.49	68.44
N. Panel Trucks				
1/0 /				
1/2 ton	424.44	3.68	17.24	71.97
1-1/2 tons	475.24	3.84	17.87	74.29
3/4 ton	483.96	3.86	17.98	74.69
2 tons	505.89	3.93	18.25	75.69
O. Pneumatic Tire Sit-Down Rider Electri	c Lift Trucks			
1,500 lbs	36,160.00	88.84	367.40	1,362.09
3,000 lbs	37,190.00	90.53	374.24	1,386.73
5,500 100	0.,.00.00	55.00	J. 1.2 1	.,0000

	Owning & Operating Rate			
	Est. Price \$	Day \$	Week \$	Month \$
	•	, ,	•	*
4,000 lbs	37,477.00	95.72	395.27	1,462.98
5,000 lbs	38,794.00	100.00	412.34	1,523.84
6,000 lbs	40,111.00	93.92	388.43	1,440.13
P. Pry Bar Dolly				
,,				
5,000 lbs	193.66	1.06	4.78	19.27
Q. Push Beam Trolleys				
Q. I usii bediii Holleys				
2 tons	750.75	5.17	20.93	75.77
Z toris	730.73	5.17	20.93	13.11
R. Roll-A-Lifts				
2,000 lbs	841.50	5.78	23.38	84.64
3,000 lbs	908.50	6.22	25.19	91.19
5,000 lbs	987.50	6.75	27.32	98.92
6,000 lbs	1,394.50	9.47	38.32	138.71
S. Roust-A-Bouts				
15'	6,761.89	22.97	96.17	361.30
20'	7,114.57	24.04	100.57	377.40
25'	7,838.10	26.24	109.58	410.43
6,000 lbs	1,394.50	9.47	38.32	138.71
T. Stand-Up Rider Electric Lift Trucks				
2,500 lbs; 24 V	27,034.00	73.81	305.57	1,134.46
3,000 lbs; 24 V	31,335.00	86.56	357.16	1,321.34
3,000 lbs; 36 V	31,930.00	88.02	363.11	1,342.99
4,000 lbs; 24 V	34,408.00	84.37	349.18	1,296.04
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### Owning & Operating Rate

	Est. Price \$	Day \$	Week \$	Month \$
4,000 lbs; 36 V	36,249.00	88.41	365.68	1,356.27
5,000 lbs; 24 V	37,482.00	100.68	414.66	1,530.95
5,000 lbs; 36 V	38,095.00	102.17	420.73	1,553.04
6,000 lbs; 24 V	39,937.00	105.14	432.95	1,598.11
6,000 lbs; 36 V	41,164.00	108.09	444.93	1,641.74

## **U. Straight Mast Rough Terrain Lift Trucks**

### Diesel

to 4,999 Lbs; 2WD; 100" Max. Fork Height	47,076.50	273.72	1,173.14	4,515.20
5,000 lbs; 2WD; 150" Max. Fork Height	50,685.30	313.94	1,350.61	5,217.95
5,000 lbs; 2WD; 260" Max. Fork Height	57,745.30	334.73	1,436.09	5,532.92
5,000 lbs; 4WD; 150" Max. Fork Height	57,797.30	334.88	1,436.72	5,535.24
5,000 lbs; 4WD; 260" Max. Fork Height	64,857.30	355.68	1,522.20	5,850.21
6,000 lbs; 2WD; 150" Max. Fork Height	56,833.90	340.97	1,463.16	5,638.30
6,000 lbs; 2WD; 264" Max. Fork Height	59,670.90	349.39	1,497.73	5,765.64
6,000 lbs; 4WD; 150" Max. Fork Height	63,945.90	362.06	1,549.82	5,957.53
6,000 lbs; 4WD; 264" Max. Fork Height	66,782.90	370.47	1,584.39	6,084.88
8,000 to 9,999 Lbs; 2WD; 150" Max. Fork Height	64,155.40	389.81	1,659.05	6,340.47
8,000 to 9,999 Lbs; 2WD; 265" Max. Fork Height	71,228.40	411.30	1,747.00	6,662.91
8,000 to 9,999 Lbs; 4WD; 150" Max. Fork Height	71,546.40	412.27	1,750.96	6,677.41
8,000 to 9,999 Lbs; 4WD; 265" Max. Fork Height	78,619.40	433.77	1,838.91	6,999.85
10,000 to 12,999 Lbs; 2WD; 120" Max. Fork Height	75,175.50	427.68	1,837.60	7,090.31
10,000 to 12,999 Lbs; 2WD; 150" Max. Fork Height	73,300.50	416.18	1,784.73	6,873.07
10,000 to 12,999 Lbs; 4WD; 120" Max. Fork Height	82,200.50	447.17	1,917.58	7,384.60
10,000 to 12,999 Lbs; 4WD; 150" Max. Fork Height	80,325.50	435.66	1,864.72	7,167.36
13,000 to 19,999 Lbs; 2WD; 144" Max. Fork Height	80,256.30	528.60	2,272.99	8,777.16
13,000 to 19,999 Lbs; 4WD; 144" Max. Fork Height	88,210.30	551.12	2,365.46	9,117.47

	Owning & Operating Rate				
	Est. Price \$	Day \$	Week \$	Month \$	
Gasoline					
4,000 lbs; 2WD; 150" Max. Fork Height	47,076.00	318.50	1,376.56	5,341.21	
5,000 lbs; 2WD; 150" Max. Fork Height	101,933.00	425.40	1,764.76	6,566.61	
5,000 lbs; 2WD; 260" Max. Fork Height	56,454.30	353.81	1,534.77	5,978.05	
5,000 lbs; 4WD; 150" Max. Fork Height	56,506.30	353.96	1,535.40	5,980.37	
5,000 lbs; 4WD; 260" Max. Fork Height	63,566.30	374.74	1,620.83	6,295.10	
6,000 lbs; 2WD; 150" Max. Fork Height	82,794.00	419.66	1,780.57	6,783.50	
6,000 lbs; 2WD; 264" Max. Fork Height	58,496.90	370.18	1,603.56	6,237.50	
6,000 lbs; 4WD; 150" Max. Fork Height	62,771.90	382.75	1,655.30	6,428.30	
6,000 lbs; 4WD; 264" Max. Fork Height	65,608.90	391.10	1,689.63	6,554.92	
8,000 to 9,999 Lbs; 2WD; 150" Max. Fork Height	97,337.00	494.29	2,081.45	7,868.27	
8,000 to 9,999 Lbs; 2WD; 265" Max. Fork Height	68,273.40	439.50	1,891.79	7,312.50	
8,000 to 9,999 Lbs; 4WD; 150" Max. Fork Height	68,591.40	440.47	1,895.77	7,327.15	
8,000 to 9,999 Lbs; 4WD; 265" Max. Fork Height	75,664.40	462.02	1,984.27	7,652.95	
10,000 to 12,999 Lbs; 2WD; 150" Max. Fork Height	131,331.00	585.18	2,475.20	9,399.95	
10,000 to 12,999 Lbs; 4WD; 150" Max. Fork Height	77,335.50	439.08	1,901.92	7,397.62	
V. Telescoping Boom Rough Terrain Lift T	rucks				
Diesel					
2.2 to 2.70 metric tons	87,877.00	402.54	1,666.02	6,183.56	
2.71 to 3.0 metric tons	119,755.00	555.53	2,305.55	8,582.67	
3.1 to 3.5 metric tons	153,785.00	703.08	2,944.70	11,068.80	
3.6 to 3.9 metric tons	146,658.00	683.80	2,900.89	11,050.01	
4.0 to 4.4 metric tons	163,478.00	681.98	2,828.57	10,522.66	
4.5 to 4.9 metric tons	184,747.00	775.58	3,215.01	11,953.18	
5.0 metric tons and over	213,211.00	1,155.09	4,872.72	18,453.77	

	Ow	ning & Op	erating Rate	Э
	Est. Price \$	Day \$	Week \$	Month \$
W. Walk/Ride Low-Lift Pallet Trucks				
Electric				
4,000 lbs; 12/24 V	5,841.00	21.55	93.15	361.53
5,000 lbs; 12/24 V	7,885.00	28.58	121.58	464.24
6,000 lbs; 12/24 V	17,802.00	52.00	216.85	811.17
8,000 lbs; 12/24 V	9,929.00	33.09	139.96	531.27
V Wolkie/Didor/High Lift Counterbolonce	d Hand True	lvo		
X. Walkie/Rider/High-Lift Counterbalance	d Hand Truc	KS		
Electric				
1,500 lbs; 12/24 V	6,466.68	30.97	128.19	475.60
2,500 lbs; 12/24 V	14,032.03	58.97	241.26	883.98
3,000 lbs; 12/24 V	15,762.92	63.20	258.46	946.58
4,000 lbs; 12/24 V	35,050.00	129.23	525.47	1,912.12

	Owning & Operating Rate			
	Est. Price \$	Day \$	Week \$	Month \$
SECTION 16: OFFICE EQUIPMENT				
A. Air Conditioner				
Electric				
Office	304.99	3.74	16.22	63.16
Portable	1,737.56	6.31	26.85	102.54
2 tons; Spot Cooler	23,295.05	45.07	186.92	695.11
5 tons; Spot Cooler	35,853.08	67.64	280.17	1,040.30
12 tons; Spot Cooler	24,500.00	47.23	195.87	728.23
B. Answering Machine				
	64.58	0.28	1.14	4.23
C. Blue Print Machine				
	1,899.00	13.50	56.77	214.22
D. Calculators				
with Tape	84.59	0.35	1.46	5.38
	100.89	0.42	1.72	6.32
E. Camcorder				
Camcorder	255.00	1.24	5.24	19.90
F. Chairs				
Swivel	189.99	0.90	3.62	13.04
Stool	89.99	2.26	9.51	36.01
Straight	129.99	2.44	10.27	38.75

			erating Rate	
	Est. Price \$	Day \$	Week \$	Month \$
G. Check Protector				
	58.99	0.55	2.23	8.14
H. Cloud File Systems				
The order inc oystems				
E D				
E.g.: Panzura FD-6200; Stores DIM/VDC models	16,600.00	102.36	426.61	1,594.79
models				
I. Coffee Machine				
12-Cup	40.00	0.31	1.22	4.36
J. Computer Software				
or compater continue				
Computer Interface	199.00	1.02	4.35	16.69
Computer Interface ASA Firewall	798.99	5.55	23.33	87.95
Microsoft Excel or similar spreadsheet	84.99	0.72	23.33	10.69
Microsoft Word or similar word processor	84.99	0.72	2.93	10.69
Microsoft Office or similar	276.99	2.00	8.12	29.46
WICHOSOIT Office of Similar	270.99	2.00	0.12	29.40
K. Computers				
17" LCD Monitor	129.00	0.53	2.16	7.93
Tablet, without Data Plan	156.59	0.64	2.60	9.52
CPU-Desktop	499.99	2.19	9.12	33.97
Chromebook	503.90	4.40	18.66	71.01
Laptop, without Data Plan	769.99	5.44	22.87	86.29
46" Monitor	889.89	5.91	24.77	93.17
iPad	929.00	6.06	25.39	95.42
Brady Printer Laptop	1,000.00	9.98	42.52	162.60
Foreman Desktop	1,317.95	11.23	47.56	180.86
iPad Pro	1,480.00	11.86	50.13	190.17

	Ow	ning & Op	perating Rate	e
	Est. Price \$	Day \$	Week \$	Month \$
200				
PM Desktop	1,497.89	11.93	50.41	191.19
Computer, with50" Monitor	1,790.00	13.07	55.04	207.97
Computer, with60" Monitor	1,885.00	13.45	56.55	213.42
Laptop Tablet	2,107.00	14.31	60.07	226.17
Computer, with Dual 50" Monitors	2,580.00	16.16	67.56	253.33
Bim Machine/Computer	13,067.89	88.54	370.64	1,391.98
L. Copiers				
Copy Machine, Tabletop	249.99	2.06	8.51	31.43
High Production Floor Type, Black and White, No Printing Functionality	549.99	7.52	31.53	118.65
Large Format	2,495.00	27.93	116.40	435.10
M. Desk				
	509.99	3.56	14.42	52.23
N. Drafting Tables				
with Stool	559.99	3.89	15.77	57.12
O. Fax Machines				
	199.99	1.49	6.04	21.93
P. File Cabinets				00.15
	266.89	1.94	7.85	28.47

	Ow	ning & Op	perating Rate	Э
	Est. Price \$	Day \$	Week \$	Month \$
Q. Folding Tables				
Q. I olding Tables				
4'	64.89	0.59	2.39	8.72
6'	171.34	1.30	5.27	19.13
8'	228.87	1.68	6.82	24.75
R. Knack Data Vault				
	6,061.00	17.21	75.18	294.80
	2,00000			
S. Label Makers				
Micro	153.63	0.84	3.63	14.08
Wireless	466.99	2.07	8.60	32.07
Desktop	2,499.99	15.85	66.29	248.73
Laser Engraving and Cutting Functionality	9,892.00	52.03	216.08	804.66
T. Laser Etching Machine				
Laser Engraver	9,900.00	52.06	216.21	805.12
U. Microwave Ovens				
1.6 cubic ft.	246.88	2.04	8.40	31.05
V. Modular Workstations				
	856.00	5.87	24.09	88.57

	Ow	ning & Op	perating Rate	Э
	Est. Price \$	Day \$	Week \$	Month \$
W. Networking Equipment				
W Notworking Equipment				
Wireless Access Point	109.95	0.67	2.94	11.57
POE Switch	4,500.00	23.67	97.99	363.57
Server	4,500.00	23.67	97.99	363.57
	.,			
X. Plan Tables				
A. Plan Tables				
	199.99	1.49	6.04	21.93
Y. Plotters				
E Size	1,899.00	23.07	96.40	361.42
Z. Printers				
DPI Label Printer	332.29	1.54	6.46	24.34
Inkjet	329.99	2.72	11.19	41.32
Laser	499.99	4.10	16.90	62.34
Workgroup Scanner/Color Copier	879.99	10.21	42.60	159.45
Enterprise Scanner/Color Copier	999.99	11.19	46.63	174.29
AA. Radio Equipment				
Hood Sat Multi Channel Radio	258.75	1.25	5.30	20.12
Head Set, Multi-Channel Radio  Jobsite Radio, 18V	340.00	1.25	6.58	24.78
Citizens Band Radio	453.00	2.01	8.37	31.27
Radio Charger, Multi Port	510.00	4.42	18.75	71.36
Radio Repeater	2,110.00	14.33	60.11	226.34
. tadio i topodioi	_,		00.11	

	Ow	ning & Op	erating Rate	9
	Est. Price \$	Day \$	Week \$	Month \$
AB. Scanners				
AD. Ocalillois				
Hi roo / Logol	749.99	9.15	38.24	143.38
Hi res / Legal Large Format	3,499.00	36.12	150.09	559.23
Large Format	0,400.00	00.12	100.00	000.20
40.71				
AC. Telephone				
Office touch tone	129.99	1.06	4.36	16.07
Smartphone, with Data Plan	2,179.00	10.06	43.46	168.48
AD. TVs				
LCD TV with DVD Player	482.00	2.12	8.83	32.94
AE. Two-Way Radios				
"Low End"	89.99	0.76	3.14	11.65
"High End"	135.99	1.13	4.68	17.34
				-
AE Typowritors				
AF. Typewriters				
	223.99	1.85	7.64	28.22
AG. Water Dispenser				
Cooler	279.87	2.02	8.20	29.74

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Owning & Ope	erating Rate
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Est. Price \$ Day \$ Week \$ Month \$

### **SECTION 17: PAINTING EQUIPMENT**

### A. Paint Sprayers

#### **Electric**

Paint Sprayer	350.00	14.65	62.03	235.66
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#### **B. Paint Tanks**

#### Manual

2 gallon	94.99	0.50	2.00	7.13
5 gallon	723.25	3.80	15.20	54.31
10 gallon	950.00	4.99	19.97	71.34

### **C. Pressure Pot Sprayer**

#### **Electric**

8 cfm; with Compressor, 5 Gal Pot, Hose,	345.00	14.62	61.90	235.20
and Gun	343.00	14.02	01.90	233.20

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Owning & (	Operating	Rate
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Est. Price \$ Day \$ Week \$ Month \$

#### **SECTION 18: PIPE THREADING & CUTTING MACHINES**

### A. Cut Grooving Machines

#### **Electric**

VG412 Orbital (with Power Drive and Stand)	33,420.16	51.87	212.33	778.40
VG28GD (with Power Mule)	33,638.16	52.18	213.56	782.85
VG26GD/MRL (with Power Mule)	40,271.50	61.51	251.17	918.21
VG824 (with Power Mule)	49,007.99	73.81	300.70	1,096.48
VG824/MRL (with Power Mule)	56,878.72	84.90	345.33	1,257.09

### **B. Pipe Stands**

V-Head, Tripod	71.99	2.17	9.17	34.77
Ball Transfer, Tripod	84.99	2.23	9.42	35.67
Adjustable Pipe Stand	134.55	2.47	10.36	39.07

### C. Pipe Threading & Cutting Machines

#### **Electric**

to 2"; 1/2" - 2" with pipe and bolt drive	1,955.00	18.94	80.40	306.45
to 2"; No bolt drive	2,133.00	19.51	82.72	314.84
to 2"; Pipe Cutter; Ridgid 300 power drive	5,201.10	29.33	122.57	459.49
to 2"; Collins 22A Threading Machine	6,667.43	34.03	141.62	528.62
to 2"; Power Threading Machine; Ridgid 1224	11,545.00	49.65	204.98	758.58
to 2"; Pipe Cutter; Ridgid 400 power drive	25,082.33	93.00	380.84	1,396.80
4" to 6"; E.g.: Collins	11,545.00	48.99	204.21	763.69
2" to 4"; E.g.: Collins	23,010.10	64.48	266.11	984.59
6" and over; E.g.: Watts W132-LPSC	1,499.00	10.44	44.42	169.68

#### Manual

3-Way Threaders	284.81	0.79	3.15	11.23
Drop Head Ratchet	1,499.00	4.14	16.56	59.13

	Owning & Operating Rate			
	Est. Price \$	Day \$	Week \$	Month \$
D. Pipe Threading Heads (Less Dies)				
D. I ipe Tilleauling fleaus (Less Dies)				
4/0 ( 0/4)	400.05	4.40	4.75	40.07
1/2 to 3/4"	430.25	1.19	4.75	16.97
1/4 to 1"	535.20	1.48	5.91	21.11
1/8 to 2"	602.70	1.66	6.66	23.77
1 to 2"; Geared	737.94	2.04	8.15	29.11
3/4 to 2"; Beveling and Grooving	1,124.85	3.11	12.42	44.37
2.5 to 4"; Beveling and Grooving	1,484.15	4.10	16.39	58.54
2.5 to 4"; Geared	2,949.51	8.14	32.58	116.34
4 to 6"; Geared	4,015.57	11.09	44.35	158.39
E. Roll Grooving Machines				
Electric				
Vic-Easy Adjustable Pipe Stand	1,300.00	9.90	45.95	190.40
VE12 or VE26	1,399.00	10.07	46.66	193.06
VE226	1,485.00	10.22	47.28	195.37
VE272FS (with Power Drive and Stand)	9,999.00	24.91	108.47	423.97
VE268	16,154.27	35.53	152.71	589.25
VE416FS (with Power Drive and Stand)	19,999.00	42.16	180.34	692.48
F. Threading Machines				
Electric				
to 1"; Portable	3,184.06	21.31	90.09	342.01
to 2"	3,184.06	21.31	90.09	342.01
1/2 to 4"	1,400.00	12.85	54.06	204.04
1/2 to 2"	649.00	14.75	63.44	244.88
2 to 4"	1,499.99	17.48	74.49	285.00
6 to 8"; E.g.: Ridgid 600 Power Drive	1,672.39	18.03	76.73	293.13
6 to 8"; E.g.: Ridgid 700 Power Drive	1,721.66	18.19	77.37	295.45

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Owning & Operating Rate

	Est. Price \$	Day \$	Week \$	Month \$
SECTION 19: PLUMBERS EQUIPME	NT			
A. Collaring Machines				
Electric				
e.g.: T-Drill Industries T-65	9,100.00	130.40	525.62	1,893.80
B. Flaring Tools				
	43.98	0.45	1.83	6.68
C. Lead Pots				
	71.49	0.63	2.57	9.37
D. Pipe Cutters				
D. I ipo cattoro				
2"; Hand	25.98	0.56	2.71	11.69
Z , Hand	20.00	0.00	2.7 1	11.00
E. Pipe Reamers				
L. I ipe Reamers				
to 1"; Bit Brace Type	225.67	1.16	5.18	20.71
to 1-1/4"; Bit Brace Type	40.00	0.60	2.88	12.33
to 2"; Ratchet Type	40.00	0.60	2.88	12.33
to 2"; Bit Brace Type	70.00	0.69	3.25	13.68
to 3"; Ratchet Type	70.00	0.69	3.25	13.68
F. Pvc Benders				
Electric				
1/2" to 5"	1,220.00	9.63	41.13	157.74

	Owning & Operating Rate			
	Est. Price \$	Day \$	Week \$	Month \$
G. Pvc Heat Blankets				
G. PVC Heat Bidlikets				
	705.00	4.05	7 70	07.04
	705.00	1.95	7.79	27.81
H. Pvc Plug Sets				
2" to 4"	628.50	3.30	13.21	47.20
I. Root & Sludge Cutters				
Electric				
	1.075.00	6.74	20.00	111 01
1/2" to 75"; with Blades	1,975.00	6.74 8.41	28.90 35.76	111.21 136.56
3/4" to 80"; with Blades	2,775.00	0.41	33.76	130.30
J. Sewer Plugs				
4"; Single	49.45	0.48	1.97	7.21
6"; Single	109.65	0.89	3.60	13.10
4"; Double	165.55	1.26	5.11	18.56
6"; Double	296.70	2.14	8.66	31.38
K. Snakes				
Manual				
5/16" x 25'; .75" to 4" Line	57.50	0.84	4.09	17.61
3/8" x 35'; Hand Held	93.10	0.92	4.41	18.75
5/8" x 100'; 3" to 10" Line	129.99	1.00	4.74	19.93
7/8" x 75'; 1.25" to 4" Line	291.28	1.36	6.16	25.07
1-1/4" x 125'; 2" to 8" Line	287.51	1.35	6.13	24.95
Electric				
Ridgid Mini See Snake	5,375.00	53.10	226.25	865.37
Ridgid CS12X Reporting Monitor	4,029.00	48.42	207.23	796.33
Triagia Oo 12/ Troporting Monitor	7,023.00	70.72	201.20	7 50.55

	Owning & Operating Rate			
	Est. Price \$	Day \$	Week \$	Month \$
L. Soldering Irons				
Electric				
Hand	32.98	0.14	0.59	2.19
Gun Type	39.48	0.17	0.70	2.62
M. Test Balls				
2" to 3"	154.31	1.18	4.81	17.46
3/4" to 1-1/2"	190.06	1.42	5.77	20.96
4"	208.88	1.55	6.28	22.80
5"	208.88	1.55	6.28	22.80
6"	134.00	1.05	4.26	15.48

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Owning & Operating Rate

	Est. Price \$		Week \$	Month \$
SECTION 20: PUMPS				
SECTION 25. FOMFS				
A. Acid Pump Heads				
	658.00	6.54	26.26	94.21
B. Diaphragm Air Pumps				
Air				
1/2"	1,338.60	7.48	31.55	119.39
1"	1,855.95	9.05	38.00	143.11
2"	2,365.16	10.60	44.34	166.45
C. Diaphragm Pumps				
Diesel				
2"	4,791.00	76.64	318.05	1,183.88
3"	4,996.00	77.73	322.50	1,200.19
4" and over	5,820.00	82.11	340.41	1,265.77
	,			•
Electric				
2"	2,898.00	55.08	228.80	852.46
3"	4,510.00	63.20	261.99	974.09
4" and over	8,735.96	82.73	342.03	1,267.99
	,			,
Gasoline				
2"	2,174.00	67.00	278.55	1,038.87
3"	2,187.00	67.07	278.85	1,039.96
4" and over	5,000.00	84.13	349.81	1,304.82
D. Electric Submersible Pumps				
2. 2.300.10 000.110101010 1 0111100				
1-1/4"	246.00	14.90	63.28	241.23
2"	1,899.00	25.31	105.49	394.50
<b>~</b>	1,000.00	20.01	100.40	004.00

	Owning & Operating Rate			
	Est. Price \$	Day \$	Week \$	Month \$
3"	2,897.00	37.67	156.49	583.12
4"	6,073.00	57.75	237.93	878.77
6"; Submersible (230 or 460 Volts)	24,472.00	174.07	709.73	2,591.50
8"; Submersible (230 or 460 Volts)	17,374.00	129.19	527.72	1,930.76
E. Filtration Panels				
Electric				
to 159 cfm; Allegro 9878 Breathing Air Inline Filtration Panel	2,135.00	24.52	101.44	376.24
F. Heavy Duty Centrifugal Pumps				
Diesel				
3"	5,666.00	65.42	279.24	1,070.41
4"	17,506.00	148.04	639.82	2,483.15
6"	22,253.00	179.01	779.07	3,044.21
8"	41,558.00	253.70	1,086.92	4,181.78
Gasoline				
1-1/2"	1,289.00	56.31	237.07	896.00
2"	1,703.00	61.66	262.05	1,000.02
3"	2,635.00	65.02	274.80	1,042.75
4"	2,159.00	86.76	368.68	1,406.38
6"	9,888.00	132.14	561.30	2,140.23
8"				
	25,723.00	251.12	1,088.54	4,236.90
	25,723.00	251.12	1,088.54	4,236.90
G. Hoses	25,723.00	251.12	1,088.54	4,236.90
G. Hoses	25,723.00	251.12	1,088.54	4,236.90
1-1/2"; 25' length	25,723.00 182.38 89.99	251.12 1.81 0.89	7.28 3.59	4,236.90 26.11 12.88
	182.38	1.81	7.28	26.11
1-1/2"; 25' length 1-1/2"; 50' length	182.38 89.99	1.81 0.89	7.28 3.59	26.11 12.88
1-1/2"; 25' length 1-1/2"; 50' length 2"; 25' length	182.38 89.99 84.99	1.81 0.89 0.84	7.28 3.59 3.39	26.11 12.88 12.17

	Owning & Operating Rate			
	Est. Price \$	Day \$	Week \$	Month \$
4"; 25' length	189.99	1.89	7.58	27.20
4"; 50' length	229.99	2.29	9.18	32.93
6"; 25' length 6"; 50' length	229.99 334.99	2.29 3.33	9.18 13.37	32.93 47.96
o , so lengui	334.88	3.33	13.37	47.90
H. Hydraulic Pumps (Power Units)				
Air				
9 cfm	680.40	5.80	24.62	93.78
12 cfm	850.50	6.40	27.06	102.71
Electric				
1/2 hp	709.37	6.04	25.85	99.32
1 hp	801.63	6.64	28.28	108.13
·				
Gasoline				
6-1/2 hp	3,998.40	31.55	134.47	514.43
13 hp	7,046.59	46.55	195.91	739.93
·				
Manual				
Hand, 1-Speed	459.24	3.62	16.21	65.12
200/10,000 psi; Hand, 2-Speed	614.05	4.35	19.26	76.43
400/10,000 psi; Hand, 2-Speed	989.58	6.14	26.66	103.88
400/10,000 psi, manu, 2-opeeu	909.50	0.14	20.00	100.00
I. Refrigeration Vacuum				
Electric				
	301.92	15.26	64.75	246.57
J. Self Priming Trash Pumps				
Diesel				
2"	4,684.00	67.12	284.54	1,083.13
3"	5,984.00	82.34	357.02	1,389.63
4"	16,005.00	120.24	509.40	1,937.73

	Ov	vning & Op	perating Rate	Э
	Est. Price \$	Day \$	Week \$	Month \$
6"	43,664.00	257.47	1,106.21	4,266.97
8"	47,250.00	283.27	1,215.36	4,682.78
10"	50,572.00	309.21	1,333.06	5,160.84
Gasoline				
1-1/2"	1,221.71	32.92	145.68	578.34
2"	3,199.00	45.67	201.48	797.54
3"	4,001.00	53.73	236.81	936.60
4"	14,497.00	151.26	679.43	2,735.2
6"	23,842.00	236.94	1,070.15	4,329.7
Electric				
3 to 4"; Submersible (230 or 460 Volts)	5,260.89	64.94	271.65	1,019.8
6"; Submersible (230 or 460 Volts)	7,656.54	75.84	315.79	1,179.7
8"; Submersible (230 or 460 Volts)	10,419.10	88.41	366.69	1,364.1
K. Suction Hoses				
Manual				
1-1/2" Diameter x 25' Length	203.28	1.92	7.72	27.71
2"Diameter x 25' Length	229.71	2.17	8.72	31.31
3" Diameter x 25' Length	354.72	3.35	13.47	48.35
4" Diameter x 25' Length	401.48	3.80	15.24	54.72
6"Diameter x 25' Length	1,397.55	13.21	53.07	190.49
Test Pumps				
Air				
, 117	461.49	5.70	24.13	91.74
	401.40	5.70	27.10	31.74
Electric				
Electric	500.00	0.70	0.40	44.47
Hydraulic	589.00	0.78	3.13	11.17
High Vacuum	2,420.00	3.21	12.85	45.89
V/a a vivina	2,508.10	3.33	13.32	47.56
Vacuum	4,019.08	5.33	21.34	76.21

	Owning & Operating Rate			
	Est. Price \$	Day \$	Week \$	Month \$
Gasoline				
	888.21	75.72	319.14	1,207.11
SECTION 21: SAFETY EQUIPMENT				
OLOTION 211 GAI ETT EQUI MENT				
A. Arc Flash Safety Switches				
Electric				
Mini	1,920.00	13.58	57.10	215.43
	2,187.00	14.63	61.33	230.76
B. Climbing/Positioning Belt With Fall Ar	rest			
Line worker	112.00	0.90	3.66	13.33
C. Ear Plug Stations				
	160.02	1.22	4.96	18.02
D. Eye Wash Stations				
2. 2yo maon olaliono				
	295.00	2.12	8.61	31.22
	200.00	2.12	0.01	01.22
E. Fire Extinguishers				
L. I lie Extiliguistiers				
5 lbo	268.80	11.81	47.33	169.47
5 lbs 10 lbs	98.38	4.50	18.06	64.71
15 lbs	300.99	13.19	52.86	189.25
20 lbs	331.60	14.50	58.12	208.07

	Owning & Operating Rate			
	Est. Price \$	Day \$	Week \$	Month \$
F. First Aid Kits				
Small	159.88	1.22	4.96	18.01
Large	272.48	1.97	8.00	29.02
G. Flasher Barricades				
Type 27 Barrier to Wood	200.00	0.43	1.71	6.13
H. Garlock Cobra Lifelink				
	7,570.50	50.73	205.23	742.48
	,			
I. Gloves				
High Voltage, resistant up to 1000V	54.45	0.52	2.11	7.70
High Voltage, resistant up to 20KV	140.60	1.09	4.44	16.12
J. Guards				
Toe	44.88	0.45	1.85	6.76
Foot	71.47	0.63	2.57	9.36
K. Hard Hats				
	19.52	0.28	1.17	4.29
	. 3.02			
L. Life Preservers				
E. E. 0 1 10001 7010				
Life Preserver, Safety Harness Orange	211.00	1.56	6.34	23.00
Life Freserver, Salety Harriess Orange	211.00	1.50	0.34	23.00

	Owning & Operating Rate			
	Est. Price \$	Day \$	Week \$	Month \$
M. Light And Barricade Units				
M. Light And Barricade Offits				
Single Light	56.95	0.53	2.18	7.94
Double Light	86.95	0.73	2.99	10.88
N. Light, Battery-Powered – Flashing				
	30.00	0.35	1.45	5.31
O. Lock/Out Tagouts				
	13.75	0.25	1.01	3.72
P. Man Hole Lid Lifting Tools				
Manhole Cover Hook	42.84	0.44	1.80	6.57
Manhole Cover Lifter	1,838.00	12.43	50.31	182.06
Q. Man Hole Safety Railing Barricades				
	297.78	2.14	8.69	31.49
R. Man Hole Shelter Tents				
	267.95	1.94	7.88	28.57
S. Navigation Systems				
GPS Navigator, Portable	189.99	0.98	4.21	16.17
GPS, Handheld	1,990.00	13.86	58.21	219.45
GPS Positioning Receiver	3,530.00	19.88	82.61	307.88

	Owning & Operating Rate			
	Est. Price \$	Day \$	Week \$	Month \$
T. Davimatay Standa				
T. Perimeter Stands				
with 6 Posts and 100' of Metal Chain	959.97	6.57	26.58	96.23
U. Personal Fall Arrest Systems				
,				
100' Detachable Self Rescue System	572.08	3.98	16.10	58.30
115' Vertical Lifeline	464.50	3.26	13.19	47.79
Bosun's Chair	373.27	2.65	10.73	38.87
Harness	69.99	0.62	2.53	9.22
Lanyard	37.99	0.41	1.66	6.09
Lanyard with Rebar Hook	71.50	0.63	2.57	9.37
Lanyard Extension	47.46	0.47	1.92	7.02
Lanyard, 1"x3'	108.50	0.88	3.57	12.98
Lanyard, 3' Rope Adjuster	163.20	1.24	5.05	18.33
Lanyard, 6' 2 Leg with Rebar Hook	189.00	1.42	5.75	20.85
Lanyard, Retractable Tie-Back	376.54	2.67	10.81	39.19
Lanyard, Self Retract 6', 2 Leg	359.67	2.56	10.36	37.54
Lanyard, Shockwave 6'	115.00	0.92	3.75	13.62
Lanyard, Twin Retractable	381.95	2.71	10.96	39.72
Lifeline, 50'	91.50	0.76	3.11	11.32
Lifeline, 100'	109.99	0.89	3.61	13.13
Pole Strap, Nylon	525.88	3.67	14.85	53.79
Manhole Retrieval System with 50' Cable	5,064.95	33.99	137.52	497.53
Positioning Harness	119.68	0.95	3.87	14.08
Retractable Lifeline	291.68	2.10	8.52	30.89
Rope Grab	133.10	1.04	4.23	15.39
Safety Rescue System, 325'	1,627.00	11.02	44.61	161.44
Trailing Rope Grab with Lanyard	282.07	2.04	8.26	29.95
V. Rain Coat				
	62.25	0.57	2.32	8.46
	02.20	0.01	2.02	0.40

	Owning & Operating Rate			
	Est. Price \$	Day \$	Week \$	Month \$
W. Rain Suit				
W. Kalli Sult				
	101.00			
	121.86	0.97	3.93	14.29
X. Respirator, Air Line				
7. Roophutoi, 7.ii Eirio				
Despirator Airline	1 240 26	0.07	26.00	404.05
Respirator, Air Line with SCRA (5 minute)	1,319.26	8.97	36.29	131.35
Respirator, Air Line with SCBA (5 minute)	2,817.90	18.98	76.79	277.86
Y. Retractable Lifelines				
11'; Lifeline, Retractable	425.00	2.99	12.12	43.93
15'; Lifeline, Retractable	591.35	4.10	16.62	60.19
20'; Lifeline, Retractable	669.50	4.63	18.73	67.83
25'; Lifeline, Retractable	820.82	5.64	22.82	82.62
30'; Lifeline, Retractable	881.00	6.04	24.45	88.51
50'; Lifeline, Retractable	1,067.50	7.29	29.49	106.74
60'; Lifeline, Retractable	1,500.00	10.17	41.17	149.02
66'; Lifeline, Retractable	1,809.60	12.24	49.54	179.29
75'; Lifeline, Retractable	1,884.04	12.74	51.55	186.56
85'; Lifeline, Retractable	2,945.00	19.83	80.22	290.29
Z. Rubber Boots				
Non-Safety toe	22.64	0.30	1.25	4.59
Safety toe; Up to Knee	40.20	0.42	1.72	6.31
Safety toe; Up to Hip	86.36	0.73	2.97	10.82

	Owning & Operating Rate			
	Est. Price \$	Day \$	Week \$	Month \$
AA. Rubber Insulated Gloves				
7.5.1 Pedagor Inicalated Cloves				
Class 1	185.24	1.39	5.64	20.49
Class 2	265.32	1.93	7.81	28.32
Class 3	286.51	2.07	8.38	30.39
Class 4	551.76	3.84	15.55	56.32
AB. Rubber Insulating Blanket				
AD. Rubbel ilibulating blanket				
	163.63	1.25	5.06	18.37
	103.03	1.25	5.06	10.37
AC. Rubber Insulating Equipment				
Temporary Personal Protective Grounding	424.73	2.99	12.12	43.90
Equipment				
AD. Security Hardware				
Camera, Infrared Lens	69.99	0.30	1.23	4.54
Bosch Security Programming Console	115.50	0.69	3.03	11.89
Camera Tester for CCTV and IP	399.00	1.80	7.52	28.17
Camera Installation Device	649.00	4.97	20.96	79.34
Camera Installation Device, Wireless	599.00	4.77	20.16	76.47
<b>AE. Self Contained Breathing Apparatus</b>	(Scba)			
30 minute	2,817.90	18.98	76.79	277.86
60 minute	4,040.00	27.14	109.82	397.33
	•			

	Owning & Operating Rate				
	Est. Price \$	Day \$	Week \$	Month \$	
AF. Spill Cleanup Kit					
with Cabinet	423.13	2.00	8.05	29.03	
AG. Standard Face Shields					
	40.64	0.43	1.74	6.35	
AH. Storage Cabinet For Flammable Liqu	iids				
Gas Can Storage Cabinet, 30 gallon	660.00	4.56	18.47	66.90	
Gas Cylinder Storage Cabinet	757.00	5.21	21.10	76.38	
Gas Can Storage Cabinet, 45 gallon	770.00	5.30	21.45	77.65	
Gas Can Storage Cabinet, 90 gallon	1,190.00	8.10	32.80	118.71	
Gas Can Storage Cabinet, 60 gallon	1,549.99	10.51	42.53	153.91	
Al. Temporary Folding Barricades					
	701.80	4.84	19.60	70.99	
AJ. Traffic Cones					
18"	7.00	0.20	0.81	3.01	
28"	22.00	0.29	1.19	4.37	
36"	28.00	0.33	1.34	4.91	

	Owning & Operating Rate			
	Est. Price \$	Day \$	Week \$	Month \$
AK. Trailer Mounted Arrow Boards				
Diesel				
Tailer, Arrow Board	8,900.00	47.81	201.86	765.10
Gasoline				
Tailer, Arrow Board	5,088.00	35.13	151.03	583.15
Solar				
Tailer, Arrow Board	5,088.00	35.13	151.03	583.15
AL. Vehicle Hood Lights				
	904.05	6.19	25.07	90.76
AM. Warning Fence, Orange Net				
50' length; 4' height	27.27	0.06	0.23	0.84
100' length; 4' height	42.00	0.43	1.77	6.48

	Owning & Operating Rate			
SECTION 22: SCAFFOLDING	Est. Price \$	Day \$	Week \$	Month \$
A. Aluminum Staging				
Electric				
21'; with Elevating Equipment	3,149.84	7.94	33.74	128.69
24'; with Elevating Equipment	3,995.00	86.62	383.33	1,521.71
30'; with Elevating Equipment	4,595.00	11.03	46.47	175.67
36'; with Elevating Equipment	5,195.00	12.32	51.76	195.17
Manual				
24'; Stage Only	612.63	4.91	21.04	80.87
30'; Stage Only	775.93	5.90	25.05	95.42
with Swing	2,650.00	17.28	71.12	262.37
B. Base Plate Extension Post				
	198.00	2.23	10.16	41.49
	100.00	2.20	10.10	111.10
0.0001000				
C. Casters				
5"; with Lock	29.46	0.35	1.43	5.26
6" to 8"; 6" stem	79.86	0.69	2.80	10.18
4" to 5"; 6" stem	70.30	0.65	2.84	11.18
5" to 8"; Adjustable Stem	96.97	0.80	3.26	11.86
D. Frames				
2'; 5' X 7' Platform Area	108.83	1.85	8.61	35.86
12'; 5' X 7' Platform Area	400.00	3.28	14.43	57.00
16'; 5' X 7' Platform Area	1,100.00	6.92	29.22	110.72
, -	,			

	Owning & Operating Rate			
	Est. Price \$	Day \$	Week \$	Month \$
E. Guard Rails				
El Gadia Railo				
6'	250.00	2.69	12.04	48.26
· ·				10.20
E Dianka				
F. Planks				
12'; Wood	265.52	1.83	7.63	28.59
20'; Wood	406.79	2.67	11.06	41.00
26'; Wood	526.76	3.39	13.96	51.54
8'; Aluminum	323.95	3.13	13.83	54.76
10'; Aluminum	245.90	2.67	11.94	47.90
16'; Aluminum	230.85	2.58	11.57	46.58
22'; Aluminum	859.36	6.34	26.81	101.79
24'; Aluminum	432.38	3.78	16.46	64.28
32'; Aluminum	943.13	6.84	28.84	109.15
G. Sectional Steel Scaffolding				
G. Sectional Steel Scanolding				
2'; End Frame; 5 x 7'	64.37	1.58	7.54	31.95
3'; End Frame; 5 x 7'	60.61	1.56	7.45	31.62
4'; End Frame; 5 x 7'	82.69	1.69	7.98	33.56
5'; End Frame; 5 x 7'	108.83	1.85	8.61	35.86
6'; End Frame; 5 x 7'	116.14	1.89	8.79	36.50
7'; End Frame; 5 x 7'	811.00	5.42	23.11	88.54

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Owning & Operating Rate			
Est. Price \$	Day \$	Week \$	Month \$

### **SECTION 23: SHEET METAL EQUIPMENT**

### A. Angle Iron

2"; 1/4" diameter	630.00	8.69	35.42	129.31
3"; 3/8" diameter	649.50	8.85	36.08	131.69

#### **B. Bar Folders**

30"; 22 ga., Bench	4,090.00	9.51	38.71	141.07
30"; 22 ga., with Floor Stand	4,657.00	10.76	43.75	159.17
36"; 20 ga., Bench	5,600.00	12.84	52.12	189.27
36": 20 ga., with Floor Stand	6,067.00	13.87	56.27	204.18

### C. Beading Machines

### **Electric**

18 ga.; Floor Stand; 5' Sheet Beader	4,521.23	22.59	92.71	340.78
18 ga.; Floor Stand; 6' Sheet Beader	5,800.83	28.45	116.24	425.32
18 ga.; Floor Stand	11,004.51	52.25	211.94	769.11

#### Manual

24 ga.; Bench Stand	1,040.74	5.65	23.60	88.40	
20 ga.; Bench Stand	1,962.04	10.02	41.33	152.68	
18 ga.; Floor Pedestal	5,459.60	26.62	108.60	396.74	

### D. Cheek Benders

#### Air

1/4"; Flanger	911.00	4.10	18.61	75.60
7/16"; Snaplock	8,164.71	25.34	109.69	426.28
1/4" to "7/8"; Bench Stand	816.47	2.51	10.81	41.84
1/4" to "7/8"; Floor Stand	1,012.42	2.94	12.54	48.09
24"; 20 ga., Table	9,990.15	25.35	106.29	399.93

	Owning & Operating Rate			Э
	Est. Price \$	Day \$	Week \$	Month \$
30"; 20 ga., Table	10,989.17	27.67	115.85	435.19
36"; 20 ga., Table	12,321.19	30.76	128.58	482.20
36"; 18 ga., Table	13,819.71	34.24	142.91	535.09
Manual				
1/4" to "7/8"; Bench Stand	816.47	2.51	10.81	41.84
1/4" to "7/8"; Floor Stand	1,012.42	2.94	12.54	48.09
Electric				
18"; 20 ga., Bench	632.71	4.06	18.98	79.23
24"; 20 ga., Bench	932.41	4.73	21.75	89.36
18"; 20 ga., with Floor Stand	965.71	4.81	22.05	90.49
24"; 20 ga., with Floor Stand	1,265.42	5.48	24.82	100.62
30"; 20 ga., Bench	1,570.00	6.17	27.63	110.91
24"; 20 ga., Table	10,656.16	26.65	111.42	417.97
E. Combination Rotary Machines				
Manual				
	1,295.46	7.03	29.99	114.89
22 to 24 ga.; 7' Throat Depth; Bench Stand	1,295.40	7.03	29.99	114.09
F. Crimping/Beading Machines				
Electric				
Ridgid ProPress 100B	1,900.00	10.60	44.50	167.60
Ridgid ProPress 320E	1,900.00	10.60	44.50	167.60
Ridgid ProPress CT400	4,000.00	20.21	83.12	306.34
G. Cleat Benders				
Electric				
30"; 20 ga., with Floor Stand	1,798.23	6.68	29.73	118.62
oo , zo ga., with i loor otalla	1,700.20	0.00	20.10	110.02

	Owning & Operating Rate					
	Est. Price \$	Day \$	Week \$	Month \$		
H. Crimping/Beading Machines						
Manual	0.000.00	40.04	70.40	007.04		
24 ga.; Battery	3,699.00	18.24	76.49	287.81		
24 ga.; Battery, 15 tons	6,635.09	32.14	134.35	503.73		
24 ga.; Battery, Ferrule	500.00	3.09	13.44	52.55		
24 ga.; Bench Stand	1,126.49	6.05	25.79	98.62		
20 ga.; Bench Stand	1,971.35	10.05	42.44	160.75		
24 ga.; BG and D3	906.97	5.01	21.46	82.48		
24 ga.; Contact 6F	319.00	2.23	9.87	39.24		
24 ga.; Contour	239.50	1.85	8.31	33.39		
24 ga.; Battery, Dieless	3,899.00	19.18	80.43	302.52		
24 ga.; Crimper, RG8 Deluxe Coax Crimp Kit	6,928.00	33.53	140.12	525.27		
24 ga.; D3 and O	304.81	2.16	9.59	38.19		
24 ga.; e.g.: Ridgid ProPress CT400	1,527.40	7.95	33.69	128.11		
24 ga.; Ferrule 4-2AWG	295.00	2.11	9.40	37.47		
24 ga.; Ferrule 8-6AWG	383.59	2.53	11.15	43.99		
24 ga.; Ferrule, 26-10AWG	383.59	2.53	11.15	43.99		
24 ga.; Ferrule, Weidmuller	195.42	1.64	7.44	30.15		
24 ga.; ga. Tester	2,095.84	10.64	44.89	169.91		
24 ga.; Hand Ratchet	1,069.00	5.78	24.65	94.39		
24 ga.; Hand Rotating	282.12	2.05	9.15	36.53		
24 ga.; Handheld, 26 to 1/0	690.67	3.99	17.20	66.57		
24 ga.; Hydraulic Pump	3,660.87	18.06	75.73	285.00		
24 ga.; MC4 Solar	342.71	2.34	10.34	40.98		
24 ga.; O and D3	643.04	3.76	16.26	63.07		
24 ga.; Remote Head, 60 tons	2,650.67	13.27	55.83	210.71		
24 ga.; RG8 Deluxe Coax Crimp Kit	99.73	1.19	5.55	23.11		
24 ga.; RJ11/45	148.46	1.42	6.51	26.70		
I. Fiberglass Duct Grooving Machines						
Electric						
Licetite	14 560 00	60 E1	277 22	1 004 04		
	14,560.00	68.51	277.32	1,004.01		

	Owning & Operating Rate			Э
	Est. Price \$	Day \$	Week \$	Month \$
I Foot Covering Chapte				
J. Foot Squaring Shears				
16 ga.; 37" Cutting Length	3,800.00	10.12	46.91	194.18
16 ga.; 52" Cutting Length	3,827.60	10.17	47.12	195.06
16 ga.; 37" Cutting Length; with sq. arm	3,898.48	10.29	47.69	197.31
16 ga.; 52" Cutting Length; with sq. arm	4,819.94	11.93	55.00	226.54
16 ga.; 52" with 18" slitting Cutting Length; gap type	16,302.73	32.39	146.18	590.83
K. Gap Frame & Ob Presses				
Electric				
5 tons; OBI Flywheel; 3-3/4" Throat Depth	6,855.72	20.58	91.57	365.32
5 tons; OBI Flywheel; 9-1/2" Throat Depth	8,368.91	23.78	105.35	418.62
5 tons; OBI Geared; 3-3/4" Throat Depth	8,368.91	23.78	105.35	418.62
5 tons; OBI Geared; 9-1/2" Throat Depth	9,882.09	26.98	119.13	471.91
7 tons; Gap Frame Hydraulic; 10" Throat		20.50	110.10	471.01
Depth	6,855.72	20.58	91.57	365.32
8 to 9 tons; Gap Frame Hydraulic; 24"	9,125.50	25.38	112.24	445.26
Throat Depth 10 tons; OBI Flywheel; 4-1/4" Throat Depth	9,629.89	26.45	116.83	463.03
10 tons; OBI Geared; 4-1/4" Throat Depth	11,143.07	29.64	130.61	516.33
12 tons; Gap Frame Hydraulic; 24" Throat	11,145.07	23.04	130.01	310.33
Depth	11,143.07	29.64	130.61	516.33
15 tons; Gap Frame Flywheel; 5-1/2" Throat	28,082.43	37.54	164.83	649.48
Depth 15 tons; OBI Flywheel; 12-1/2" Throat Depth	24,835.15	34.17	150.50	594.71
15 tons; OBI Flywheel; 5-3/4" Throat Depth	23,443.46	32.73	144.36	571.23
15 tons; OBI Geared; 12-1/2" Throat Depth	26,690.74	36.09	158.69	626.01
15 tons; OBI Geared; 5-3/4" Throat Depth	24,835.15	34.17	150.50	594.71
25 tons; Gap Frame Flywheel; 6-3/4" Throat				
Depth	38,752.04	48.59	211.91	829.46
25 tons; Gap Frame Hydraulic; 24" Throat Depth	20,196.19	29.36	130.03	516.46
25 tons; OBI Flywheel; 15-1/4" Throat Depth	31,793.60	41.38	181.20	712.08
25 tons; OBI Flywheel; 7-1/2" Throat Depth	30,401.91	39.94	175.06	688.61
25 tons; OBI Geared; 15-1/4" Throat Depth	33,649.18	43.31	189.39	743.38

	0'	wning & Ope	erating Rate	е
	Est. Price \$	Day \$	Week \$	Month \$
25 tons; OBI Geared; 7-1/2" Throat Depth	31,793.60	41.38	181.20	712.08
32 tons; OBI Flywheel; 15" Throat Depth	36,896.46	46.67	203.72	798.16
32 tons; OBI Geared; 15" Throat Depth	38,752.04	48.59	211.91	829.46
40 tons; Gap Frame Fly Wheel; 8-1/2" Throat Depth	48,957.76	59.17	256.95	1,001.61
40 tons; OBI Flywheel; 18-1/2" Throat Depth	41,535.42	51.48	224.19	876.41
40 tons; OBI Flywheel; 9-1/2" Throat Depth	39,679.83	49.56	216.01	845.11
40 tons; OBI Geared; 18-1/2" Throat Depth	42,927.11	52.92	230.34	899.88
40 tons; OBI Geared; 9-1/2" Throat Depth	41,071.52	51.00	222.15	868.58
55 tons; OBI Flywheel; 18" Throat Depth	44,689.73	57.83	262.44	1,066.26
55 tons; OBI Geared; 18" Throat Depth	45,857.53	59.06	267.92	1,088.15
60 to 70 tons; OBI Flywheel; 10-1/2" to 21-1/2" Throat Depth	52,864.39	66.43	300.78	1,219.52
60 to 70 tons; OBI Geared; 10-1/2" to 21- 1/2" Throat Depth	54,032.20	67.66	306.26	1,241.42
85 to 95 tons; OBI Flywheel; 13" to 24" Throat Depth	75,052.77	89.77	404.84	1,635.53
85 to 95 tons; OBI Geared; 13" to 24" Throat Depth	76,804.48	91.61	413.06	1,668.37
110 to 120 tons; OBI Flywheel; 14-3/4" to 24" Throat Depth	84,717.96	184.51	789.74	3,034.66
110 to 120 tons; OBI Geared; 14-3/4" to 24" Throat Depth	86,218.39	187.49	802.30	3,082.28
L. Hand Brakes				
Manual				
4' X 22 ga.; Straight (Bench)	868.72	3.11	13.27	50.73
4' X 22 ga.; Straight (with Stand)	1,290.67	4.28	17.97	67.71
4' X 22 ga.; Universal (Bench)	1,092.11	4.23	18.28	70.82
4' X 22 ga.; Universal (with Stand)	1,538.88	5.48	23.31	89.03
4' X 16 ga.; Straight (Bench)	2,333.14	7.15	29.58	109.65
4' X 16 ga.; Straight (with Stand)	2,730.27	8.25	34.01	125.63
4' X 16 ga.; Universal	3,723.10	46,327.00	47.91	178.07
8' X 18 ga.; Straight	5,336.44	15.44	63.05	230.49
8' X 16 ga.; Straight	5,708.75	16.47	67.19	245.47
4' X 14 ga.; Universal	5,584.65	16.74	68.88	253.96

	Ow	Owning & Operating Rate		
	Est. Price \$	Day \$	Week \$	Month \$
				/-
4' X 12 ga.; Straight	5,832.86	16.81	68.58	250.46
10' X 18 ga.; Straight	6,453.37	18.52	75.49	275.43
6' x 12 ga.; Straight	6,577.48	18.86	76.87	280.42
10' X 16 ga.; Straight	8,190.82	23.32	94.85	345.33
8' X 12 ga.; Straight	9,059.54	25.71	104.53	380.29
4' X 12 ga.; Universal	9,431.85	27.45	112.21	410.79
10' X 14 ga.; Straight	9,928.26	28.11	114.21	415.24
6' X 12 ga.; Universal	13,279.05	38.15	155.54	567.63
8' X 12 ga.; Universal	17,870.88	50.93	207.26	754.81
10' X 14 ga.; Universal	18,739.60	53.35	217.04	790.23
10' X 12 ga.; Universal	27,923.24	78.91	320.48	1,164.61
M. Hand Notchers  Manual				
16 ga.; Bench	1,836.15	5.73	25.76	103.70
16 ga.; Floor Stand	2,333.44	6.90	30.79	123.25
16 to 18 ga.; Bench	2,792.48	7.97	35.44	141.28
16 to 18 ga.; Floor Stand	3,634.05	9.94	43.95	174.35
11 ga.; Floor Stand	5,355.44	13.97	61.38	241.99
N. Hydraulic Notchers  Electric				
11 ga.; 5" X 5"	8,955.75	21-3/4	96.46	383.74
16 ga.; 6" X 6"	9,530.13	22.81	101.06	401.66
11 ga.; 7-1/2" X 7-1/2"	11,827.65	27.04	119.44	473.34
8 to 10 ga.; 8" to 10"	14,986.75	32.86	144.73	571.89
3 ga.; 10" X 10"	23,315.27	48.21	211.39	831.72
O. Hydraulic Press Brakes  Electric				
20 tons; 4'	39,079.48	45.16	200.00	794.45
20 tons; 6'	40,095.27	46.14	204.21	810.79
40 tons; 4'	45,682.12	51.48	227.34	900.61
10 10110, 1	70,002.12	01.40	221.04	300.01

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	Owning & Operating Rate			е
	Est. Price \$	Day \$	Week \$	Month \$
40 tons; 6'	46,697.91	52.46	231.55	916.94
60 tons; 6'	49,745.28	55.37	244.17	965.94
60 tons; 8'	52,792.65	58.29	256.78	1,014.94
60 tons; 10'	55,840.02	61.21	269.40	1,063.93
100 tons; 10'	65,997.92	70.93	311.46	1,227.25
100 tons; 12'	73,108.45	77.74	340.90	1,341.58
140 tons; 10'	88,853.20	92.81	406.09	1,594.73
140 tons; 12'	92,408.47	96.21	420.81	1,651.89
P. Hydraulic Squaring Shears  Electric				
16 ga.; Front, Back, Side ga. Type; 5' Cutting Length	10,208.10	24.91	113.69	464.17
10 ga.; Push Buttons ga. Type; 6' Cutting Length	40,257.17	70.00	310.73	1,237.00
10 ga.; Push Buttons ga. Type; 8' Cutting Length	49,558.08	83.96	371.72	1,476.20
10 ga.; Push Buttons ga. Type; 10' Cutting Length	69,590.79	114.02	503.08	1,991.42
3 ga.; Power Back/Lt. Beam Gauge Type; 10' Cutting Length	71,021.70	116.17	512.46	2,028.22
Q. Ironworkers				
Electric				
40 tons; 3 X 3 X 5/16"	13,145.24	38.84	161.84	604.85
50 tons; 4 X 4 X 3/8"	16,810.39	47.87	199.09	742.64
50 tons; 6 X 6 X 1/2"	22,974.52	63.05	261.75	974.37
60 tons; 4 X 4 X 1/2"	27,639.26	74.54	309.17	1,149.74
65 tons; 6 X 6 X 3/8"	19,975.76	55.67	231.27	861.64
90 tons; 6 X 6 X 1/2"	27,639.26	74.54	309.17	1,149.74
85 tons; 6 X 6 X 1/2"	31,471.01	83.98	348.12	1,293.79
400 ( 0 )/ 0 )/ 4/0	05 100 10	00.04	005.00	4 404 50

120 tons; 6 X 6 X 1/2"

1,431.58

35,136.16 93.01

385.38

	Owning & Operating Rate			
	Est. Price \$	Day \$	Week \$	Month \$
R. Manual Bench Shears				
R. Mailual Delicii Sileais				
24 ga.; 12" Cutting Length	850.00	4.65	19.03	69.71
20 ga.; 25" Cutting Length	1,980.00	10.51	42.73	155.39
S. Mechanical Press Brakes				
Electric				
25 tons; 4'	33,693.37	26.63	112.00	422.79
25 tons; 6'	35,781.72	28.00	117.62	443.40
25 tons; 8'	37,347.98	29.02	121.83	458.86
35 tons; 4'	39,958.41	30.74	128.85	484.61
35 tons; 6'	41,002.58	31.42	131.66	494.92
35 tons; 8'	42,046.76	32.11	134.46	505.22
45 tons; 4'	44,135.10	33.48	140.08	525.83
45 tons; 6'	45,179.28	34.16	142.88	536.13
45 tons; 8'	46,745.54	35.19	147.10	551.58
45 tons; 10'	47,789.71	35.88	149.90	561.89
70 tons; 6'	58,753.52	43.07	179.38	670.07
70 tons; 8'	60,841.87	44.44	185.00	690.68
70 tons; 10'	62,408.13	45.47	189.21	706.13
70 tons; 12'	63,452.30	46.15	192.02	716.43
100 tons; 6'	60,841.87	44.44	185.00	690.68
100 tons; 8'	62,408.13	45.47	189.21	706.13
100 tons; 10'	63,974.39	46.50	193.42	721.59
100 tons; 12'	65,540.65	47.52	197.63	737.04
150 tons; 6'	80,681.16	57.46	238.34	886.44
150 tons; 8'	82,769.50	58.83	243.95	907.04
150 tons; 10'	85,379.94	60.54	250.97	932.80
150 tons; 12'	93,733.32	66.02	273.43	1,015.23
T. Mechanical Squaring Shears				
Electric				
10 ga.; 3' Cutting Length	18,025.00	31.30	137.78	544.27
10 ga.; 5' Cutting Length	19,750.00	33.50	147.27	581.09
3,	,			2330

	Owning & Operating Rate			Э
	Est. Price \$	Day \$	Week \$	Month \$
14 ga.; 6' Cutting Length	20,185.00	34.05	149.66	590.37
14 ga.; 8' Cutting Length	20,600.00	34.58	151.95	599.23
14 ga.; 10' Cutting Length	24,185.00	39.15	171.67	675.73
U. Multi-Head Duct Notchers				
Electric				
18 to 20 ga.; 5(3 "V"/2 Corner)	13,523.07	26.58	110.72	413.57
16 ga.; 3(1 "V"/2 Corner)	13,282.37	26.18	109.06	407.51
16 ga.; 5(3"V"/2 Corner)	15,207.91	29.42	122.32	456.03
V. Portable Hydraulic Punches				
Hydraulic				
2.5" to 4"	4,186.13	10.74	44.04	161.71
Electric				
4" and over	5,706.53	17.50	77.62	308.72
W. Powder Actuated Fasteners				
W. Fowder Addated Fusioners				
Metal	609.94	7.48	31.02	115.33
Concrete	866.99	9.82	40.44	149.22
Consider	000.00	0.02	40.44	140.22
X. Power Flangers				
•				
Electric 2/2011 Florida III : 14	4.050.77	00.10	05.10	050 70
20 to 30 ga.; 3/16" to 7/32" Flange Height	4,952.77	23.10	95.49	353.79
18 to 26 ga.; 1/4" to 7/16" Flange Height	4,252.89	20.35	84.39	313.72
16 to 24 ga.; 3/8" Flange Height	4,052.92	19.57	81.21	302.27
14 to 22 ga.; 1/4" to 1/2" Flange Height 18 to 28 ga.; 5/16" to 7/16" with Punch	9,951.94	42.77	174.83	640.01
Flange Height	5,152.74	23.89	98.67	365.24
J J				

	Ow	ning & Or	perating Rate	Э
	Est. Price \$	Day \$	Week \$	Month \$
Y. Power Rolls				
Electric				
16 to 18 ga.; 48" X 3"	9,112.12	19.65	82.79	313.04
16 ga.; 36" X 3"	10,124.57	21.41	89.86	338.47
10 ga.; 40" X 5"	21,869.08	41.80	171.92	633.50
10 ga.; 60" X 5"	25,108.94	47.43	194.56	714.88
Z. Punches				
Hydraulic				
1/2" to 2"; 20 tons; without Hydraulic Pump,	0.570.00	0.00	00.40	405 50
Punch, or Dies	2,576.08	6.89	28.48	105.58
1/2" to 4"; 30 tons; without Hydraulic Pump, Punch, or Dies	3,123.50	8.20	33.77	124.67
1/2" to 2"; 50 tons; without Hydraulic Pump, Punch, or Dies	4,148.01	10.65	43.67	160.38
1/2" to 6"; 20 tons; without Hydraulic Pump, Punch, or Dies	5,152.16	13.06	53.38	195.39
1/2" to 6"; 30 tons; without Hydraulic Pump, Punch, or Dies	5,152.16	13.06	53.38	195.39
Manual				
1/2" to 2"	329.00	1.35	5.89	23.04
2-1/2"; 12 tons; Lever Press	2,784.50	9.63	40.89	155.77
3"	595.00	2.25	9.68	37.42
6"; 10 tons; Lever Press	716.00	3.37	14.99	59.74
4"	1,065.00	3.83	16.38	62.83
12"; 10 tons; Lever Press	1,790.00	7.00	30.30	117.79
18"; 5 tons;' Press	3,977.85	14.38	61.48	236.06
24"; 8 tons;' Press	1,869.63	7.26	31.43	122.10
AA. Ring & Circle Shears				
3-1/4"-"42-1/2"	4,965.00	15.03	64.05	245.10
20 ga.	4,840.00	25.36	102.72	372.24

	Ow	/ning & Op	perating Rate	е
	Est. Price \$	Day \$	Week \$	Month \$
AB. Roll Forming Machines				
Electric				
TDC Clip; 14 Stations	28,950.00	57.61	244.67	932.82
24 ga.; Pittsburgh Lock; 5 Stations	5,463.50	17.08	75.87	302.19
24 ga.; Reeves Snap Lock; 7 Stations	16,157.17	35.53	152.73	589.32
24 ga.; Reeves Snap Lock; 9 Stations	25,635.66	51.89	220.85	843.83
24 ga.; Snap Lock B.P.; 7 Stations	10,567.30	25.89	112.55	439.23
24 ga.; Snap Lock B.P.; 8 Stations	10,324.26	25.47	110.81	432.71
24 ga.; with Power Flanger; 5 Stations	7,407.80	20.44	89.85	354.40
22 ga.; "S" Cleat; 12 Stations	16,400.21	35.95	154.47	595.85
22 ga.; "S" Cleat; 8 Stations	11,053.37	26.73	116.05	452.28
22 ga.; "S" Cleat; 9 Stations	14,698.94	33.02	142.25	550.17
22 ga.; 1/2" Pitts; 11 Stations	20,774.90	43.50	185.91	713.31
22 ga.; Pittsburgh Lock; 5 Stations	5,220.46	16.66	74.13	295.67
22 ga.; S & Drive with Slitter; 8 Stations	12,754.64	29.66	128.27	497.96
22 ga.; S & Drive with Slitter; 9 Stations	16,886.29	36.79	157.97	608.90
22 ga.; Standing "S"; 11 Stations	17,129.33	37.21	159.71	615.43
22 ga.; with 3 in 1; 12 Stations	17,615.40	38.05	163.21	628.48
22 ga.; with 3 in 1; 8 Stations	13,240.72	30.50	131.77	511.02
22 ga.; with 3 in 1; 9 Stations	17,615.40	38.05	163.21	628.48
22 ga.; with 5/16" Pitts.; 12 Stations	18,101.48	38.89	166.70	641-1/23
22 ga.; with 5/16" Pitts; 8 Stations	12,997.68	30.08	130.02	504.49
22 ga.; with 5/16" Pitts; 9 Stations	17,129.33	37.21	159.71	615.43
22 ga.; with B.P. Snap Lock; 11 Stations	20,288.82	42.66	182.42	700.26
22 ga.; with B.P. Snap Lock; 12 Stations	19,073.63	40.57	173.69	667.63
22 ga.; with B.P. Snap Lock; 8 Stations	13,726.79	31.34	135.26	524.07
22 ga.; with B.P. Snap Lock; 9 Stations	18,587.55	39.73	170.19	654.58
22 ga.; with Double Seam; 5 Stations	5,949.57	17.92	79.37	315.24
22 ga.; with Drive Cleat; 5 Stations	5,949.57	17.92	79.37	315.24
22 ga.; with Right Angle Flange; 5 Stations	5,949.57	17.92	79.37	315.24
22 ga.; with Standing Seam; 12 Stations	18,344.52	39.31	168.45	648.06
20-22 ga.; "S" and Drive Cleat; 8 Stations	12,511.60	29.24	126.53	491.44
20-22 ga.; "S" and Drive Cleat; 9 Stations	12,754.64	29.66	128.27	497.96
20-22 ga.; with 1/2" Pitts.; 9 Stations	16,157.17	35.53	152.73	589.32
20-22 ga.; with 3 in 1; 8 Stations	13,969.83	31.76	137.01	530.59
20-22 ga.; with 5/16" Pitts; 8 Stations	14,455.91	32.60	140.50	543.64

	Ow	ning & Op	perating Rate	e
	Est. Price \$	Day \$	Week \$	Month \$
20-22 ga.; with 5/16" Pitts; 9 Stations	14,698.94	33.02	142.25	550.17
20-22 ga.; with B.P. Snap Lock; 8 Stations	15,428.06	34.28	147.49	569.75
20-22 ga.; with B.P. Snap Lock; 9 Stations	15,671.10	34.70	149.23	576.27
20-22 ga.; with Cutter; 9 Stations	15,671.10	34.70	149.23	576.27
20-22 ga.; with Standing Seam; 8 Stations	14,698.94	33.02	142.25	550.17
20 ga.; Drive Cleat; 8 Stations	10,324.26	25.47	110.81	432.71
20 ga.; Pittsburgh Lock; 5 Stations	5,220.46	16.66	74.13	295.67
20 ga.; Pittsburgh Lock; 8 Stations	8,622.99	22.54	98.58	387.03
20 ga.; S & Drive with Slitter; 8 Stations	14,941.98	33.44	143.99	556.70
20 ga.; Snap Lock B.P.; 8 Stations	11,782.49	27.99	121.29	471.86
20 ga.; Snap Lock B.P.; 9 Stations	11,782.49	27.99	121.29	471.86
20 ga.; Standing "S"; 10 Stations	21,990.09	45.60	194.65	745.94
20 ga.; Standing "S"; 12 Stations	32,683.77	64.05	271-1/2	1,033.07
20 ga.; Standing Slip; 14 Stations	37,787.57	72.85	308.18	1,170.11
20 ga.; with 1/2" Pitts.; 10 Stations	26,121.74	52.73	224.34	856.88
20 ga.; with 1/2" Pitts.; 12 Stations	35,600.22	69.08	292.46	1,111.38
20 ga.; with 3 in 1; 10 Stations	28,066.04	56.08	238.32	909.08
20 ga.; with 3 in 1; 12 Stations	37,544.53	72.44	306.44	1,163.59
20 ga.; with 3 in 1; 8 Stations	12,511.60	29.24	126.53	491.44
20 ga.; with 5/16" Pitts.; 8 Stations	12,025.53	28.41	123.03	478.39
20 ga.; with 5/16" Pitts; 10 Stations	23,934.39	48.95	208.62	798.15
20 ga.; with B.P. Snap Lock; 12 Stations	36,572.38	70.76	299.45	1,137.49
20 ga.; with B.P. Snap Lock; 8 Stations	12,997.68	30.08	130.02	504.49
20 ga.; with Double Seam; 5 Stations	7,164.76	20.02	88.10	347.87
20 ga.; with Double Seam; 8 Stations	9,595.14	24.21	105.57	413.13
20 ga.; with Drive Cleat; 5 Stations	5,949.57	17.92	79.37	315.24
20 ga.; with Drive Cleat; 8 Stations	9,595.14	24.21	105.57	413.13
20 ga.; with Duplex; 10 Stations	26,121.74	52.73	224.34	856.88
20 ga.; with Government Clip; 14 Stations	44,349.59	84.18	355.35	1,346.31
20 ga.; with Government Lock; 10 Stations	26,607.81	53.57	227.84	869.93
20 ga.; with Government Lock; 12 Stations	39,002.76	74.95	316.92	1,202.74
20 ga.; with New England Cleat; 14 Stations	45,807.82	86.69	365.83	1,385.46
20 ga.; with New York Cleat; 14 Stations	40,460.98	77.47	327.40	1,241.90
20 ga.; with Power Flanger; 5 Stations	6,435.65	18.76	82.86	328.30
20 ga.; with Right Angle Flange; 5 Stations	5,706.53	17.50	77.62	308.72
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	Owning & Operating Rate			9
	Est. Price \$	Day \$	Week \$	Month
20 ga.; with Stand S/R Angle; 10 Stations	27,579.96	55.24	234.82	896.03
20 ga.; with Stand S/R Angle; 14 Stations	42,648.33	81.24	343.12	1,300.6
20 ga.; with Stand. S/R. Angle; 14 Stations	37,544.53	72.44	306.44	1,163.5
20 ga.; with Standing Seam; 8 Stations	10,810.34	26.31	114.30	445.70
18 ga.; Pittsburgh Lock; 7 Stations	11,296.41	27.15	117.79	458.8
18 ga.; Pittsburgh Lock; 8 Stations	8,866.03	22.95	100.33	393.5
18 ga.; Snap Lock B.P.; 8 Stations	13,240.72	30.50	131.77	511.0
18 ga.; TDF Clip; 16 Stations	42,891.37	81.66	344.87	1,307.
18 ga.; with 1/2" Pitts; 16 Stations	47,023.01	88.79	374.56	1,418.0
18 ga.; with 3 in 1 (16 ga.); 16 Stations	49,453.39	92.98	392.03	1,483.3
18 ga.; with 3 in 1; 7 Stations	13,969.83	31.76	137.01	530.5
18 ga.; with 3 in 1; 8 Stations	10,324.26	25.47	110.81	432.7
18 ga.; with Double Seam; 7 Stations	13,240.72	30.50	131.77	511.0
18 ga.; with Double Seam; 8 Stations	9,838.18	24.63	107.31	419.6
18 ga.; with Drive Cleat; 7 Stations	13,240.72	30.50	131.77	511.0
18 ga.; with Drive Cleat; 8 Stations	9,838.18	24.63	107.31	419.6
18 ga.; with Stand. S/R. Angle; 16 Stations	47,995.17	90.47	381-1/25	1,444.
18 ga.; with Standing Seam; 7 Stations	13,726.79	31.34	135.26	524.0
18 ga.; with Standing Seam; 8 Stations	11,053.37	26.73	116.05	452.2
16 ga.; Pittsburgh lock; 7 Stations	11,053.37	26.73	116.05	452.2
16 ga.; Pittsburgh Lock; 8 Stations	9,109.07	23.37	102.07	400.0
16 ga.; with 3 in 1; 7 Stations	13,726.79	31.34	135.26	524.0
16 ga.; with 3 in 1; 8 Stations	10,567.30	25.89	112.55	439.2
16 ga.; with Double Seam; 7 Stations	12,997.68	30.08	130.02	504.4
16 ga.; with Double Seam; 8 Stations	10,081.22	25.05	109.06	426.1
16 ga.; with Drive Cleat; 7 Stations	12,997.68	30.08	130.02	504.4
16 ga.; with Drive Cleat; 8 Stations	10,081.22	25.05	109.06	426.1
16 ga.; with Standing Seam; 7 Stations	13,483.75	30.92	133.51	517.5
16 ga.; with Standing Seam; 8 Stations	11,296.41	27.15	117.79	458.8
14 ga.; Pittsburgh Lock; 7 Stations	17,858.44	38.47	164.95	635.0

### AC. Slitters

### **Electric**

20 ga.; 1-1/4" to "24-1/4" Slitting Range	3,100.57	10.96	48.07	189.16
16 ga.; 1" to "24-1/4" Slitting Range	3,538.69	12.11	52.83	206.97

	Owning & Operating Rate			
	Est. Price \$	Day \$	Week \$	Month \$
16 ga.; 1-1/4" to 30-1/4" Slitting Range	4,549.75	14.74	63.83	248.08
16 ga.; 1-1/2" to 49" Slitting Range	6,740.37	20.46	87.66	337.14
16 ga.; 1-1/4" to 60" Slitting Range	7,751.43	23.10	98.66	378.24
14 ga.; 1-1/4" to 24-1/4" Slitting Range	4,381.24	14.30	62.00	241.23
11 ga., 1 1/1 to 21 1/1 Sitting Haing	1,001.21	11.00	02.00	211.20
AD. Spiral Duct Producing Machines				
Electric				
3"-"64"; 20 ga.; 95 FPM	137,471.46	198.37	802.25	2,901.62
3"-"64"; 18 ga.; 185 FPM	152,818.51	219.97	889.27	3,214.79
6"-"64" Triple Rib; 26 ga.; 95 FPM	143,028.16	206.19	833.76	3,015.01
6"-"64" Triple Rib; 26 ga.; 185 FPM	158,639.81	228.17	922.27	3,333.57
3"-"80"; 16 ga.; 185 FPM	171,605.42	246.42	995.78	3,598.14
3"-"80"; 14 ga.; 275 FPM	203,887.15	291.87	1,178.81	4,256.87
6"-"80" Triple Rib; 26 ga.; 185 FPM	176,103.69	252.76	1,021.28	3,689.93
6"-"80" Triple Rib; 26 ga.; 275 FPM	215,265.13	307.89	1,243.31	4,489.04
AE. Strap Benders				
/ L. Otrap Dorraoro				
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Hydraulic 15 tons	5,625.00	51.63	210.61	769.19
Hydraulic	5,625.00	51.63	210.61	769.19
Hydraulic 15 tons	5,625.00	51.63	210.61	769.19
Hydraulic 15 tons  AF. Strap Masters	5,625.00	51.63	210.61	769.19
Hydraulic 15 tons	5,625.00 907.50	51.63	210.61	769.19 70.09
Hydraulic 15 tons  AF. Strap Masters Manual				
Hydraulic 15 tons  AF. Strap Masters Manual				
Hydraulic 15 tons  AF. Strap Masters Manual Bohn Combi  AG. Vertical Straight Side Presses				
Hydraulic  15 tons  AF. Strap Masters  Manual  Bohn Combi  AG. Vertical Straight Side Presses  Electric	907.50	4.02	17.72	70.09
Hydraulic  15 tons  AF. Strap Masters  Manual  Bohn Combi  AG. Vertical Straight Side Presses  Electric  40 tons	907.50	4.02	17.72 346.23	70.09
Hydraulic 15 tons  AF. Strap Masters Manual Bohn Combi  AG. Vertical Straight Side Presses Electric	907.50	4.02	17.72	70.09

	Owning & Operating Rate			
	Est. Price \$	Day \$	Week \$	Month \$
SECTION 24: SHORING				
A. Dual Cylinder Vertical Shoring Equipme	ent			
36" Max. Trench Width, 3' to 7' Rails	525.00	9.22	38.50	144.19
42" Max. Trench Width, 3' to 7' Rails	600.00	9.73	40.79	153.45
64" Max. Trench Width, 3' to 7' Rails	700.00	10.59	44.01	164.10
88" Max. Trench Width, 3' to 7' Rails	775.00	10.85	45.10	168.10
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D. Linkt Outton Manhala Commenters				
B. Light System Manhole Connectors				
with hardware	528.20	6.62	27.61	103.29
C. Light System Panels				
3				
20" H x 36" L; with hardware	1,115.70	7.61	30.79	111.45
20" H x 60" L; with hardware	1,160.97	7.91	32.01	115.88
20" H x 78" L; with hardware	1,274.70	8.67	35.09	126.99
20" H x 96" L; with hardware	1,277.93	8.69	35.17	127.31
20" H x 118" L; with hardware	1,339.37	9.10	36.83	133.32
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			700.02
D. Light System Struts				
24" to 32"; with hardware	254.40	1.85	7.51	27.25
32" to 48"; with hardware	260.33	1.89	7.67	27.83
51" to 86"; with hardware	280.27	2.03	8.21	29.78
E. Manhole Shields				
0111 01104 011 - 04 - 17 - 11 - 0				
8' H x 8' W x 8' L; Steel (with Spreaders and Hardware)	1,181.34	9.04	37.52	139.59
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	Ow Est. Price \$	ning & O <sub>l</sub>	perating Rate	Month \$
8' H x 10' W x 10' L; Aluminum (with Spreaders and Hardware)	1,240.00	9.26	38.41	142.85
8' H x 10' W x 10' L; Steel (with Spreaders and Hardware)	1,394.74	9.84	40.76	151.45
8' H x 10' W x 12' L; Steel (with Spreaders and Hardware); Open Ended	1,845.44	11.51	47.60	176.50
8' H x 8' W x 8' L; Aluminum (with Spreaders and Hardware)	2,666.15	14.56	60.06	222.12
8' H x 10' W x 12' L; Aluminum (with Spreaders and Hardware)	3,592.96	18.00	74.13	273.63
F. Single Cylinder Vertical Shoring Equipment				
36" to 42" Max. Trench Width, 2' Rails	300.00	5.73	23.95	89.93
G. Spreader Sets				
24"; for Aluminum Shields	351.42	1.85	7.39	26.39
24"; for Steel Shields	384.83	2.02	8.09	28.90
30"; for Aluminum Shields	368.13	1.93	7.74	27.64
30"; for Steel Shields	418.25	2.20	8.79	31.41
36"; for Aluminum Shields	385.91	2.03	8.11	28.98
36"; for Steel Shields	464.60	2.44	9.77	34.89
42"; for Aluminum Shields	430.65	2.26	9.05	32.34
42"; for Steel Shields	489.40	2.57	10.29	36.75
48"; for Aluminum Shields	431.19	2.27	9.06	32.38
48"; for Steel Shields	540.60	2.84	11.36	40.60
54"; for Aluminum Shields	463.53	2.44	9.74	34.81
54"; for Steel Shields	575.10	3.02	12.09	43.19
60"; for Aluminum Shields	465.14	2.44	9.78	34.93
60"; for Steel Shields	636.00	3.34	13.37	47.76
72"; for Aluminum Shields	526.59	2.77	11.07	39.54
72"; for Steel Shields	759.43	3.99	15.96	57.03
84"; for Aluminum Shields	558.39	2.93	11.74	41.93

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	Owning & Operating Rate			
	Est. Price \$	Day \$	Week \$	Month \$
84"; for Steel Shields	824.11	4.33	17.32	61.89
96"; for Aluminum Shields	706.61	3.71	14.85	53.06
96"; for Steel Shields	883.93	4.64	18.58	66.38
108"; for Aluminum Shields	734.10	3.86	15.43	55.13
108"; for Steel Shields	938.91	4.93	19.74	70.51
120"; for Aluminum Shields	764.28	4.02	16.07	57.39
120"; for Steel Shields	1,055.33	5.55	22.19	79.25
132"; for Steel Shields	1,136.18	5.97	23.89	85.32
144"; for Steel Shields	1,205.17	6.33	25.34	90.50

### H. Trench Braces

1-1/2" diameter, 16"-18" closed; per dozen	772.80	7.53	31.32	116.88
4' H x 10' L; Aluminum, Standard	1,386.37	9.80	40.63	150.99
4' H x 10' L; Steel	563.27	6.75	28.14	105.24
4' H x 12' L; Aluminum, Standard	1,578.25	10.52	43.55	161.65
4' H x 12' L; Steel	588.68	6.84	28.53	106.65
4' H x 16' L; Aluminum, Standard	2,162.25	12.68	52.41	194.11
4' H x 18' L; Aluminum, Standard	2,060.93	12.31	50.87	188.48
4' H x 6' L; Aluminum, Standard	943.14	8.16	33.91	126.35
4' H x 6' L; Steel	431.17	6.26	26.14	97.89
4' H x 8' L; Aluminum, Standard	1,153.55	8.94	37.10	138.04
4' H x 8' L; Steel	510.07	6.55	27.33	102.28
6' H x 10' L; Aluminum, Standard	1,847.83	11.52	47.64	176.63
6' H x 10' L; Steel	825.98	7.72	32.13	119.84
6' H x 12' L; Aluminum, Standard	2,366.08	13.44	55.51	205.44
6' H x 12' L; Steel	1,032.20	8.49	35.26	131.30
6' H x 16' L; Aluminum, Standard	3,159.89	16.39	67.55	249.56
6' H x 16' L; Steel	1,485.00	10.17	42.13	156.47
6' H x 18' L; Aluminum, Standard	3,526.91	17.75	73.13	269.96
6' H x 20' L; Steel	2,070.79	12.35	51.02	189.03
6' H x 24' L; Steel	2,421.37	13.65	56.34	208.51
6' H x 26' L; Steel	2,608.17	14.34	59.18	218.89
6' H x 6' L; Aluminum, Standard	1,307.77	9.51	39.44	146.62
6' H x 6' L; Steel	490.35	6.48	27.03	101.18

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	Owning & Operating Rate			
	Est. Price \$	Day \$	Week \$	Month \$
6' H x 8' L; Aluminum, Standard	1,557.03	10.44	43.22	160.47
6' H x 8' L; Steel	579.71	6.81	28.39	106.15
8' H x 10' L; Aluminum, Standard	2,267.15	13.07	54.00	199.94
8' H x 10' L; Steel	938.06	8.14	33.83	126.07
8' H x 12' L; Aluminum, Standard	2,716.96	14.74	60.83	224.94
8' H x 12' L; Steel	1,164.31	8.98	37.26	138.64
8' H x 16' L; Aluminum, Standard	3,767.50	18.64	76.78	283.33
8' H x 16' L; Steel	1,679.27	10.89	45.08	167.27
8' H x 18' L; Aluminum, Standard	4,318.92	20.69	85.15	313.98
8' H x 20' L; Steel	2,427.65	13.67	56.44	208.86
8' H x 24' L; Steel	2,826.05	15.15	62.49	231.00
8' H x 26' L; Steel	3,350.57	17.10	70.45	260.16
8' H x 6' L; Aluminum, Standard	1,506.52	10.25	42.46	157.66
8' H x 6' L; Steel	555.80	6.72	28.03	104.82
8' H x 8' L; Aluminum, Standard	1,826.31	11.44	47.31	175.44
8' H x 8' L; Steel	637.99	7.03	29.27	109.39
10' H x 16' L; Steel	2,594.12	14.29	58.97	218.11
10' H x 20' L; Steel	3,216.68	16.60	68.42	252.72
10' H x 24' L; Steel	3,895.42	19.12	78.72	290.44
10' H x 26' L; Steel	3,860.75	18.99	78.19	288.51

# I. Walers Shoring Equipment

56" Max. Trench Width, 8' to 10' Rails; Dual Cylinder (without Trench Sheeting)	1,800.00	16.62	69.15	258.14
64" Max. Trench Width, 8' to 10' Rails; Dual Cylinder (without Trench Sheeting)	1,850.00	16.80	69.87	260.77
88" Max. Trench Width, 8' to 10' Rails; Dual Cylinder (without Trench Sheeting)	2,025.00	17.41	72.38	269.95
120" Max. Trench Width, 8' to 10' Rails; Dual Cylinder (without Trench Sheeting)	2,300.00	18.38	76.33	284.38
56" Max. Trench Width, 12' to 16' Rails; Triple Cylinder (without Trench Sheeting)	3,650.00	31.08	129.57	484.66
64" Max. Trench Width, 12' to 16' Rails; Triple Cylinder (without Trench Sheeting)	3,725.00	31.34	130.66	488.65

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	Owning & Operating Rate			
	Est. Price \$	Day \$	Week \$	Month \$
88" Max. Trench Width, 12' to 16' Rails; Triple Cylinder (without Trench Sheeting)	4,000.00	32.32	134.65	503.28
120" Max. Trench Width, 16' Rails; Triple Cylinder (without Trench Sheeting)	2,475.00	26.91	112.51	422.12

### **SECTION 25: SKID STEER LOADERS**

#### A. Skid Steer Loader Attachments

Augers       2,311.34       13.97       58.37       218.88         Backhoes       3,464.00       50.59       210.41       784.89         Brooms/Sweepers       5,592.00       48.72       200.90       742.75         Forks       895.00       37.61       157.84       594.39         Graders       8,270.00       74.86       308.76       1,141.28         Grapples       6,265.00       64.74       267.73       992.60         Hammers to Concrete       6,245.00       69.38       287.83       1,070.68         Planers       13,336.00       63.02       257.02       938.40
Brooms/Sweepers       5,592.00       48.72       200.90       742.75         Forks       895.00       37.61       157.84       594.39         Graders       8,270.00       74.86       308.76       1,141.28         Grapples       6,265.00       64.74       267.73       992.60         Hammers to Concrete       6,245.00       69.38       287.83       1,070.68
Forks       895.00       37.61       157.84       594.39         Graders       8,270.00       74.86       308.76       1,141.28         Grapples       6,265.00       64.74       267.73       992.60         Hammers to Concrete       6,245.00       69.38       287.83       1,070.68
Graders       8,270.00       74.86       308.76       1,141.28         Grapples       6,265.00       64.74       267.73       992.60         Hammers to Concrete       6,245.00       69.38       287.83       1,070.68
Grapples         6,265.00         64.74         267.73         992.60           Hammers to Concrete         6,245.00         69.38         287.83         1,070.68
Hammers to Concrete 6,245.00 69.38 287.83 1,070.68
Planers 13,336.00 63.02 257.02 938.40
Rakes 3,657.00 51.56 214.36 799.21
Rollers 11,811.00 109.88 453.42 1,677.04
Scarifiers 8,298.53 24.26 103.73 398.29
Trenchers 5,395.00 22.84 99.09 386.01

#### **B. Skid Steer Loaders**

#### Diesel

to 700 lbs	11,835.00	144.90	600.10	2,228.84
701 to 975 lbs	14,773.00	170.40	704.78	2,613.96
976 to 1,250 lbs	20,019.00	214.63	889.23	3,304.17
1,251 to 1,350 lbs	21,188.00	213.69	891.09	3,334.13
1,351 to 1,600 lbs	23,140.00	244.80	1,016.14	3,783.29
1,601 to 1,750 lbs	24,605.00	241.61	1,006.41	3,761.22
1,751 lbs and over	29,215.00	265.95	1,108.66	4,146.70

	Ow	/ning & Op	perating Rate	Э
	Est. Price \$	Day \$	Week \$	Month \$
SECTION 26: STORAGE				
A. Pipe Carts				
Electric				
	719.00	4.96	20.07	72.67
	7 13.00	4.50	20.01	12.01
B. Storage Containers & Bins				
Aerial Tool Bin, Coner Unit	121.18	0.22	0.89	3.17
Aerial Tool Bin, Side Unit	310.00	0.57	2.27	8.12
Saddle tool Box for Truck Bed	808.00	1.48	5.93	21.16
85"H X 36"W X 12"D; 36 bins	633.08	1.16	4.64	16.58
85"H X 36"W X 12"D; 54 bins	703.42	1.29	5.16	18.42
85"H X 36"W X 18"D; 36 bins	773.76	1.42	5.67	20.26
85"H X 36"W X 18"D; 54 bins	844.10	1.55	6.19	22.11
C. Storage Racks & Shelving				
87"H X 36"W X 18"D	119.35	0.63	2.51	8.96
87"H X 36"W X 12"D	139.24	0.73	2.93	10.46
87"H X 48"W X 24"D	159.13	0.84	3.35	11.95
74"H X 120"W X 24"D	755.86	3.97	15.89	56.76
74"H X 144"W X 24"D	875.20	4.60	18.40	65.72
7'H X 4'W X 4'D; Boltless Bulk Racks	79.56	0.42	1.67	5.97
7'H X 8'W X 3'D; Boltless Bulk Racks	99.45	0.52	2.09	7.47
8'H X 12'W X 24" Arm; Cantilever Rack	716.07	3.76	15.05	53.77
12'H X 12'W X 48" Arm; Cantilever Rack	1,989.09	10.45	41.82	149.37
10'H X 8'W X 4'D; Heavy Duty Bulk Racks	318.25	1.67	6.69	23.90
7'H X 8'W X 4'D; Hvy Duty Boltless	119.35	0.63	2.51	8.96
144"H X 96"W X 36"D; Pallet Storage Rack	397.82	2.09	8.36	29.87
144"H X 108"W X 42"D; Pallet Storage Rack	437.60	2.30	9.20	32.86
120"H X 120"W X 42"D; Pallet Storage Rack	556.95	2.93	11.71	41.82
28" Diameter; Rotating Shelves	417.71	2.19	8.78	31.37
34" Diameter; Rotating Shelves	497.27	2.61	10.45	37.34

Tripod

### **EXHIBIT B**

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	Ow	ning & Op	perating Rate	е
	Est. Price \$	Day \$	Week \$	Month \$
D. Storaga Unita				
D. Storage Units				
20'	4,000.00	7.33	29.33	104.76
40'	6,000.00	11.00	44.00	157.14
E. Tool Sheds				
10' to 14'	699.00	2.74	12.35	49.89
15' to 17'	2,183.37	5.08	22.13	86.58
18' to 20'	5,246.00	9.90	42.32	162.30
SECTION 27: SURVEYING EQUIPM	ENT			
A. Digging Tester				
Electric				
	2,129.99	11.50	47.60	176.72
B. Interior Beam Lasers				
Electric				
Manual	4,710.99	20.41	83.77	308.02
Automatic	5,507.17	23.16	94.92	348.52
C. Laser Levels				
Electric				
90 Degree	60.61	0.45	2.04	8.34
Angle Finder	285.00	5.12	21.75	82.87
Laser Guided Wire Raceway Drill Fixture	286.52	5.13	21.77	82.94
Laser Shaft Alignment System	4,425.00	19.42	79.76	293.47
Line and Dot	619.00	6.28	26.43	99.86
Tape Measure	709.00	6.59	27.69	104.44

77.08

171.18

4.73

20.16

	Owning & Operating Rate			
	Est. Price \$	Day \$	Week \$	Month \$
D. Levels				
Electric				
Digital Protractor and Level	157.60	4.68	19.97	76.39
Builders; with Tripod	482.14	5.81	24.51	92.90
Transit with Tripod	808.45	6.93	29.08	109.50
Manual				
2'	15.00	0.25	1.04	3.84
4'	28.97	0.35	1.42	5.21
6'	119.99	0.96	3.88	14.11
E. Locators				
Electric				
Ridgid SR-20 Locator	2,212.39	41.98	181.10	701.44
F. Pipe and Sewer Leveling Lasers  Electric				
12V DC	10,416.97	40.11	163.72	598.28
G. Rotating Beam Grade Control Lasers  Electric				
	10,018.87	38.74	158.14	578.03
H. Stud Finders  Electric				
Battery Operated	339.18	5.31	22.51	85.62
I. Surveying Tools  Electric				
Trimble RTS773	16,999.00	103.92	432.94	1,617.70
Trimble RTS873	18,000.00	107.83	448.80	1,675.18

	Ov	ning & Op	erating Rate	е
	Est. Price \$	Day \$	Week \$	Month \$
Trimphia DTCCEE	20 500 00	117.61	400 44	4 040 70
Trimble RTS655	20,500.00	117.61	488.41	1,818.73
Trimble TX6	29,500.00	152.82	631.03	2,335.52
Trimble SX10 Trimble SX12	39,900.00	193.50	795.82	2,932.69
Tillible SX12	47,145.00	221.84	910.63	3,348.70
J. Transit And Level - Total Station				
Electric				
	710.00	6.59	27.71	104.49
K. Transit With Tripod				
·				
Electric	700.45	0.04	00.70	100.01
	783.15	6.84	28.73	108.21
SECTION 28: TESTING EQUIPME	T			
A. A/V Testers				
Electric				
4K HDMI Test Generator	945.00	6.13	25.65	96.34
Audio Cable Tester	45.67	0.20	0.84	3.15
HDMI Cable Continuity Tester	78.68	0.33	1.37	5.04
IP CCTV Tester	678.99	5.08	21.43	81.06
B. Ac-Dc Volt-Ohm Milliammeter				
Electric				
	167.74	0.90	3.85	14.89
C. Air & Hydronic Balancing				
Electric				
Digital Transformer Ratiometer	2,995.00	17.79	74.14	277.16
Hydrometer, Digital	3,895.00	21.31	88.40	328.84
Thermometer, Single Input	339.99	1.57	6.58	24.78

	Ow	ning & Op	erating Rate	е
	Est. Price \$	Day \$	Week \$	Month \$
Thermometers, Dial	94.23	0.39	1.61	5.94
3-Phase Ratio and Winding Resistance Analyzer	24,500.00	133.26	551.80	2,048.41
Manual				
Ammeter, Voltage	24.49	0.32	1.30	4.77
Pyrometer, Contact	35.44	0.39	1.60	5.84
Revolution Counter	135.79	1.06	4.31	15.65
Stop Watch	22.75	0.31	1.25	4.60
Stroboscope	487.42	3.41	13.81	50.03
Thermometers, Mercury	7.78	0.21	0.85	3.14
D. Air Balancing  Electric				
Differential Pressure Manometer	179.99	0.94	4.05	15.59
Recorder, Temperature and Humidity  Manual	869.44	5.83	24.45	92.00
	E0 00	0.51	2.07	7.54
Anemometers, Deflecting Vane	52.82	0.51 2.33	2.07	7.54 34.24
Anemometers, Rotating Vane Flow Measuring Hoods	325.90 3,937.20	26.46	9.45 107.04	387.28
Magnehelic (Air Pressure) Gauges	245.22	1.79	7.26	26.35
Manometers, Combination	573.36	3.98	16.13	58.43
Manometers, Inclined	99.95	0.82	3.34	12.15
10"; Manometers, U-Tube	124.04	0.98	3.99	14.50
Pitot Tube	167.08	1.27	5.15	18.71
Psychrometer, Sling	89.10	0.75	3.05	11.09
E. Ammeters				
Electric				
to 100 amps; Clamp-On	154.31	0.84	3.64	14.12
to 300 amps; Clamp-On	100.00	0.63	2.78	11.00

	Owning & Operating Rate			
	Est. Price \$	Day \$	Week \$	Month \$
to 800 amps; Clamp-On with Leads	304.56	1.43	6.02	22.75
to 1000 amps; Clamp-On	156.19	0.85	3.67	14.23
to 1000 amps; Recording	474.05	2.09	8.71	32.48
to 2000 amps	1,458.00	11.77	49.78	188.90
F. Anemometer Weather Meter				
Electric				
	149.00	0.82	3.56	13.81
G. Arc Reflection Radar  Electric				
	9,160.00	49.17	204.48	762.63
H. Backflow Test Kits (RPZ)  Manual  Watts TK9A	2,607.60	25.91	104.06	373.36
I. Ballast and Lamp Tester  Electric				
	113.30	0.68	2.99	11.76
J. Battery Testers  Electric				
Battery Capacity Tester	28,000.00	146.95	607.26	2,249.38
Battery Cell Resistance Tester	9,669.00	51.16	212.55	791.86
Battery Safety Kits	125.00	0.73	3.18	12.44
Battery Spill Containment Kit	296.00	1.40	5.89	22.26
Battery Tester, 6/12V	351.98	1.62	6.77	25.47
Battery Tester/Conductance Meter	365.00	1.67	6.98	26.22
Battery Voltage Monitor	9,020.00	48.62	202.26	754.59

	Ow	ning & Op	perating Rate	е
	Est. Price \$	Day \$	Week \$	Month \$
K. Cable Fault Locator				
Electric				
to 600 V	5,730.00	59.84	254.37	970.64
	3,00000			
L. Cable Testers				
Electric				
Cable Length Meters	499.29	2.19	9.11	33.93
DSX Cable Analyzer	9,952.00	52.27	217.03	808.11
RJ45	49.00	0.22	0.90	3.34
Cable Tracers	1,644.28	12.50	52.73	199.60
Cable Analyzer with Gigabit Multimode	9,115.00	48.99	203.77	760.05
M. Circuit Testing Ohmmeter  Electric  200 Meg.; 500 VDC	492.42	2.17	9.00	33.53
N. Data Logger Recorders  Electric				
Data Logger Recorder	3,999.95	21.72	90.06	334.86
Meter, Dual Input Data Logger	351.99	1.62	6.77	25.47
O. Decibel Meter				
Electric				
	100.00	0.63	2.78	11.00
P. Digital Low Resistance Ohmmeters (D	ouctors)			
10 amp	3,460.00	19.61	81.51	303.86
100 amp	7,273.93	41.79	174.60	654.33

	Owning & Operating Rate			
	Est. Price \$	Day \$	Week \$	Month \$
Q. Distance Measuring Instrument Dash N	lount			
Electric				
	385.00	1.75	7.30	27.37
R. Dual Band Test Transmitter				
Electric				
	2,755.00	16.85	70.33	263.38
	_,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			_00.00
C. Duet Leek Teet Vite				
S. Duct Leak Test Kits				
Electric				
5"; E.g.: McGill	10,104.05	20.66	86.70	326.41
8"; E.g.: McGill	18,892.73	36.71	153.17	573.23
T. Dynamometer, 10K lbs				
Electric				
	1,300.00	11.16	47.28	179.83
	1,000.00	11.10	77.20	170.00
U. Eatons DIGItrip Optimizer				
Electric				
	1,099.99	10.37	44.11	168.35
V. Electrical Testers				
Electric				
Ammeter, Recording	360.64	1.65	6.91	25.97
Circuit Breaker Functional Test Kit	123.50	0.72	3.15	12.35
Circuit Breaker Trip Unit Test Kit	12,000.00	84.36	353.72	1,330.66
Digital Electrostatic Meter	716.00	5.23	22.02	83.19
Digital Forecast SDI Tester	1,199.00	10.76	45.68	174.03
Digital Multimeter, 6 1/2 Digit, Truevolt DMM	1,857.80	13.34	56.12	211.86
Earth Tester	881.09	5.88	24.63	92.67
GFCI and Circuit Tester	291.44	1.38	5.81	21.99
GFI Trip Analyzer Meter	264.96	1.28	5.39	20.47

	Ow	ning & Op	erating Rate	Э
	Est. Price \$	Day \$	Week \$	Month \$
Ground Fault Locator	1,189.86	10.73	45.53	173.51
HV Proximity Tester	204.95	1.04	4.44	17.03
HV Tester	2,950.00	17.61	73.42	274.57
Insulation Tester, 500 VDC	545.94	4.56	19.32	73.42
Light meter	353.68	1.62	6.80	25.57
Megohmmeter	133.06	0.76	3.30	12.90
Meter, 40KV Proximity/Contact Tester	736.00	5.31	22.33	84.33
150 -600 V; Meter, Flex AC Current Probe 3000A	649.99	4.97	20.97	79.40
150 -600 V; Meter, Flex AC Current Probe 6000A	779.99	5.48	23.03	86.86
Meter, Inductive Locator	770.26	5.44	22.88	86.30
Meter, Leakage Current	285.00	1.35	5.71	21.62
Meter, Megger 10KV	5,699.99	35.63	149.65	563.96
Meter, Particulate	4,875.00	25.14	103.93	385.11
Meter, PH/MV Simulator	169.00	0.90	3.87	14.96
Meter, Process	1,059.99	10.22	43.47	166.05
Meter, Split Jaw	223.51	1.11	4.74	18.09
Meter, Transformer and Capacitor	619.86	4.85	20.49	77.67
Meter, Wire Finder	294.65	1.39	5.86	22.18
Multifunction Process Calibrator	2,999.99	17.81	74.22	277.44
Portable Circuit Breaker Tester	12,600.00	86.71	363.23	1,365.11
Power Factor Meter	360.55	1.65	6.91	25.96
Relay Tester, Multi-Phase	60,220.05	272.98	1,117.81	4,099.47
Rotation Tester	182.56	0.95	4.09	15.74
Transformer Ohmmeter	9,200.00	49.33	205.12	764.93
Transformer Winding Resistance Test Set	3,188.00	18.54	77.20	288.24
15kV Class; Very Low Frequency (Vlf) Hi Potential Test Set	22,400.00	125.04	518.52	1,927.83
to 80kV; Volt Meter	1,784.95	13.05	54.96	207.68
130 to 260 V; Voltmeter, Dual Range	2,118.45	14.36	60.25	226.83
Voltmeter, Recording	478.06	2.03	8.13	29.04
130 to 520 V; Voltmeter, Three Range	2,892.93	17.39	72.52	271.30
150 -600 V; Voltmeter, Three Range	3,413.94	19.43	80.78	301.21
Wattmeter	3,712.99	20.60	85.51	318.38

	Owning & Operating Rate			
	Est. Price \$	Day \$	Week \$	Month \$
W. Ethernet Wire Mapping Tester				
Electric				
2.000.00	450.00	2.00	8.33	31.10
X. Gas Detectors				
Electric				
Analog, 1 Gas	64.70	0.28	1.14	4.24
Confined Space, LCD, 4 Gas	2,260.34	14.91	62.50	234.97
Portable, LCD, 1 Gas	245.46	1.20	5.08	19.35
Portable, LCD, 2 Gas	614.56	4.83	20.41	77.36
Portable, LCD, 3 Gas	706.50	5.19	21.87	82.64
Portable, LCD, 4 Gas	1,121.74	10.46	44.45	169.59
Y. Glassbreak Simulator				
Electric				
	57.50	0.25	1.03	3.83
Z. Handheld Cameras				
Electric				
10 mg pixels; Infrared Camera, Pocket Size	699.00	5.16	21.75	82.21
10 mg pixels; Infrared Camera, Telephoto Lens	995.00	6.32	26.44	99.21
10 mg pixels; Infrared Camera, Wide Angle Lens	995.00	6.32	26.44	99.21
10 mg pixels	119.99	0.71	3.10	12.15
AA. Handheld Infrared Thermometers				
Electric				
-30 to 500C	251.03	1.22	5.17	19.67

	Owning & Operating Rate			
	Est. Price \$	Day \$	Week \$	Month \$
AB. Hipot Testers				
Electric				
	1 200 00	11 51	40.05	10F F1
5 KV	1,399.00	11.54	48.85	185.51
100 KV	16,097.66	100.39	418.65	1,565.95
AC. Hydronic Balancing				
Electric				
Manometer, Alnor HM-680	3,417.00	19.44	80.82	301.39
Manometer, Digital	185.00	0.96	4.13	15.88
Manometer, Dwyer 490.3	802.00	5.57	23.38	88.12
Manual				
Gauges, Compound Test	69.46	0.62	2.51	9.17
Gauges, Pressure Test	37.54	0.40	1.65	6.05
36"; Manometer, U-Tube	125.30	0.99	4.02	14.63
18"; Manometer, Well Type	865.00	5.93	24.01	86.94
AD. Light Testers				
Electric				
Gas Lamp Tester	347.21	1.60	6.70	25.20
Lamp Tester	161.36	0.87	3.75	14.52
Lamp rooter	101.00	0.07	0.70	11.02
AE Missellensons Test Environent				
AE. Miscellaneous Test Equipment				
Electric				
Air Flow Hood	3,998.40	21.71	90.04	334.77
Carbon Monoxide Meter	797.07	5.55	23.30	87.84
Combustible Gas Leak Detector	289.32	1.37	5.78	21.87
Dead Weight Pressure Tester	10,701.60	79.29	333.15	1,256.11
Oil Combustion Test Analyzer	977.16	6.25	26.16	98.18

	Owning & Operating Rate			
	Est. Price \$	Day \$	Week \$	Month \$
AF. Oscilloscopes				
•				
Electric	4 747 04	40.04	E4.00	005 50
2 Channel, 20 Mhz Bandwidth	1,747.01	12.91	54.36	205.50
AG. Phase Sequence Indicators				
Electric				
Lamp	171.15	0.91	3.91	15.09
Rotation	1,275.00	11.06	46.88	178.39
AH. Phasing Meter, 40kV				
Electric				
	2,312.75	15.12	63.33	237.98
Al: Potential Transformers				
Electric				
Portable	589.57	4.73	20.01	75.93
rendere	000.01	0	20.01	10.00
A I Primary Injection Test Sets				
AJ. Primary Injection Test Sets				
Electric				
up to 200 amps	5,700.00	35.64	149.65	563.96
up to 4,000 amps	22,860.00	126.84 350.51	525.81	1,954.24 5,237.53
up to 40,000 amps	80,040.00	350.51	1,431.88	5,237.53
AK. RF Satellite Tester				
Electric				
	8,715.81	47.43	197.44	737.13
AL. Speed Indicator				
Electric				
	8,085.00	44.96	187.45	700.91
	,			

	Owning & Operating Rate			
	Est. Price \$	Day \$	Week \$	Month \$
AM. Tachometers				
Electric				
1 Row; Resonant Reed	149.00	0.82	3.56	13.81
2 Row; Resonant Reed	305.00	1.43	6.03	22.77
AN. Test Meters				
Electric				
Sound Meter, Analog	265.99	1.28	5.41	20.53
Sound Meter, Digital	304.00	1.43	6.01	22.71
Vibration Meters	1,169.42	10.65	45.21	172.33
AO. Tone Tracers  Electric				
	39.97	0.18	0.75	2.82
AP. Transformer Turns Ratio Test Set				
Electric				
	3,419.60	19.45	80.87	301.54

	Owning & Operating Rate			
	Est. Price \$	Day \$	Week \$	Month \$
SECTION 29: TOOLS				
A. Acetylene Torches				
Gasoline				
5" Cutting Size	532.46	3.47	14.23	52.29
6" Cutting Size	631.45	4.07	16.65	61.03
B. Adhesive Applicators				
Electric				
60"; 1/3 hp	636.30	19.46	89.04	364.30
C. Band Saws				
Electric				
3-1/2"; Portable, Var Speed	541.47	7.26	32.91	133.65
4-3/4"; Portable, 2 speed	546.73	7.29	33.05	134.23
5"; Horizontal Metal Cutting	5,999.99	41.79	190.94	780.52
5"; Wet and Dry, metal cut	1,712.73	14.01	64.20	263.10
6"; Horizontal Metal Cutting	6,599.99	45.55	208.19	851.19
6"; Horizontal Wet Metal Cutting	5,861.56	37.94	175.02	721.62
12"; 3-speed, metal cut; Horizontal/Vertical	1,576.05	13.22	60.55	247.99
20"; Wood or Metal, Vertical	3,100.58	22.01	101.27	416.48
D. Bench Grinders				
Electric				
6"	119.00	1.45	6.78	28.30
6"; with stand	312.89	2.20	9.84	39.46
7"	459.00	2.72	11.95	47.16
7"; with stand	509.00	2.95	12.89	50.58
8"	169.00	1.67	7.70	31.68
8"; with stand	580.00	3.23	14.02	54.70
10"	569.00	3.18	13.82	53.97
10"; with stand	780.81	4.00	17.15	66.08

	Owning & Operating Rate			
	Est. Price \$	Day \$	Week \$	Month \$
E. Benders				
Electric				
1/2" to 1"; Conduit Bender to Ratchet	1,813.28	5.94	24.10	87.49
1" to 1-1/2"; Conduit Bender to Ratchet	4,998.00	16.37	66.43	241.16
1/2" to 2"; Mech. Benders to EMT/Conduit	1,813.28	5.94	24.10	87.49
1/2" to 2"; EMT Bender to Ratchet	9,149.48	35.60	146.53	540.34
F. Cable Hoists				
Manual				
440 to 880 lbs	171.25	1.00	4.50	18.25
0.011.14"				
G. Cable Winches				
Electric				
	3,642.00	13.81	59.01	226.31
Manual				
	1,104.62	3.82	16.03	60.42
	,			
H. Chain Saws				
Electric				
14"	56.45	5.72	24.07	90.94
16"		F 0F	24.00	94.24
10	69.98	5.95	24.99	94.24
18"	69.98 109.88	6.62	24.99	103.98

	Ow	Owning & Operating Rate			
	Est. Price \$	Day \$	Week \$	Month \$	
Gasoline					
	400.00	44.00	E4.0E	107.07	
14"	189.99	11.96	51.25	197.07	
16"	299.00	13.76	58.63	224.18	
18"	329.99	14.33	61.01	233.13	
20"	499.99	17.45	74.08	282.28	
24"	539.99	18.06	76.51	291.03	
23"	499.99	18.44	79.01	303.99	
40"	1,882.00	34.19	143.99	544.33	
I. Chipping Hammers					
Hydraulic					
1/2" to 3/4"	504.94	10.79	45.22	170.07	
1" to 1-1/4"	932.14	13.91	57.85	215.70	
1-1/2" to 1-3/4"	954.38	14.08	58.51	218.08	
2" and over	1,126.25	15.33	63.59	236.44	
I Chical Point					
J. Chisel Point					
	35.83	0.38	1.51	5.45	
1"	35.83 38.81	0.38	1.51	5.45	
1" 3"	38.81	0.41	1.64	5.90	
1"					
1" 3" 5"	38.81	0.41	1.64	5.90	
1" 3"	38.81	0.41	1.64	5.90	
1" 3" 5"	38.81	0.41	1.64	5.90	
1" 3" 5" K. Clamps	38.81	0.41	1.64	5.90	
1" 3" 5"	38.81 58.97	0.41 0.62	1.64 2.49	5.90 8.97	
1" 3" 5"  K. Clamps  Beam Anchor, Fixed	38.81 58.97	0.41 0.62	1.64 2.49	5.90 8.97	
1" 3" 5"  K. Clamps  Beam Anchor, Fixed  L. Concrete Saws	38.81 58.97	0.41 0.62	1.64 2.49	5.90 8.97	
1" 3" 5"  K. Clamps  Beam Anchor, Fixed	38.81 58.97	0.41 0.62	1.64 2.49	5.90 8.97 22.29	
1" 3" 5"  K. Clamps  Beam Anchor, Fixed  L. Concrete Saws	38.81 58.97	0.41 0.62	1.64 2.49	5.90 8.97	
1" 3" 5"  K. Clamps  Beam Anchor, Fixed  L. Concrete Saws  Gasoline	38.81 58.97 495.13 2,325.93 7,539.50	0.41 0.62 1.52	1.64 2.49 6.16	5.90 8.97 22.29 351.91	
1" 3" 5"  K. Clamps  Beam Anchor, Fixed  L. Concrete Saws  Gasoline  to 10 hp	38.81 58.97 495.13	0.41 0.62 1.52	1.64 2.49 6.16	5.90 8.97 22.29	

	Owning & Operating Rate			
	Est. Price \$	Day \$	Week \$	Month \$
M. Cordless Metal Shears				
Electric				
	642.02	7.00	22.00	100 10
18 ga.	613.23 178.38	7.99 4.32	32.99 18.28	122.18 69.43
Reversible Lt Duty Standard	191.55	4.43	18.70	70.95
	369.93	5.85	24.42	91.57
2-Spd, Rev., H.D.	309.93	5.05	24.42	91.57
N. Out Off Machines				
N. Cut-Off Machines				
Electric				
to 4"	1,116.50	4.36	19.55	78.59
to 4"; Pipe/Conduit Cutter	4,452.81	11.67	49.39	187.70
to 5"	341.04	2.66	12.61	53.23
O. Cut-Off/Chop Saws				
Electric				
12"	1,295.32	24.20	101.70	383.65
14"	1,876.75	30.42	126.73	473.65
16"	1,932.47	31.91	133.58	501.87
14"; For Abrasive Metal Cutting	632.05	8.17	33.10	119.88
16"; For Abrasive Metal Cutting	947.46	11.27	45.57	164.76
P. Cuttoro				
P. Cutters				
Hydraulic				
1-1/2" to 6"; Glass	1,353.08	13.03	52.80	191.33
1/8" to 1-1/4"; Pipe and Conduit	595.25	4.98	20.12	72.64
2-1/4" to 4"; Pipe and Conduit	3,867.77	34.09	137.80	498.19
4" to 6"; Pipe and Conduit	1,532.31	14.53	58.86	213.20
1/2" to 2"; Saran	2,284.26	20.83	84.28	304.96
2" to 6"; Saran	3,884.60	34.23	138.37	500.24
2" to 6"; Soil Pipe; Mechanical	1,064.67	10.62	43.05	156.13

	Owning & Operating Rate			
	Est. Price \$	Day \$	Week \$	Month \$
6" to 12"; Soil Pipe	2,216.48	20.26	81.98	296.69
6" to 18"; Soil Pipe	3,197.25	28.47	115.14	416.37
24"; Soil Pipe	3,547.52	31.40	126.98	459.11
4" to 8"; Transite; Reed ACC-2	1,444.51	13.80	55.89	202.49
8" to 16"; Transite; Reed ACC-3	1,631.02	15.36	62.19	225.24
Q. Die Grinders				
	299.00	6.08	25.34	94.76
	174.00	0.54	2.17	7.83
R. Digging And Tamping Bars				
	111.78	0.90	3.66	13.30
S. Electric Circular Hand Saws				
7-1/4"; Skil Type	285.98	4.10	16.69	60.94
9-1/4"; Skil Type	394.28	4.90	19.95	72.67
6-1/2"; Skil Type	482.59	5.56	22.60	82.24
8"; Skil Type	529.91	5.91	24.02	87.37
10"	469.89	6.58	26.68	96.80
10-1/4"	473.54	6.62	26.83	97.32
T. Electric Impact Wrenches				
1/2"	334.46	5.48	23.00	86.56
3/4"	599.00	7.22	30.03	112.03
1"	899.00	8.80	36.45	135.36
Liongun 25	2,495.00	14.82	61.08	225.56
Liongun 70	3,999.00	21.30	87.51	322.06

	Owning & Operating Rate			
	Est. Price \$	Day \$	Week \$	Month \$
U. Explosive Actuated Tools				
Hammer Operated tool	28.98	2.19	9.73	38.74
1/4"; Trigger tool	233.10	4.05	17.21	65.65
3/8"; Trigger tool	233.10	4.05	17.21	65.65
25 Caliber; Barrel and Gun; 1.5" Max Length	332.75	4.96	20.86	78.79
27 Caliber; Barrel and Gun; 2.5" Max Length	598.95	7.38	30.61	113.89
27 Caliber; Barrel and Gun; 3" Max Length	635.25	7.71	31.94	118.67
V. Fasteners, Powder Actuated				
Electric				
1/2" to 2-1/2"	235.13	2.54	10.44	38.51
W. Freeze Kits  Electric				
Ridgid SF-2500 Superfreeze	3,290.06	34.66	143.43	532.00
X. Furnaces  Kerosene				
fuel not included	584.89	11.95	48.46	175.84
Y. Gang Boxes				
Manual	000 55	4 1=	4.00	40 ==
30"L X 14"H X 18"W	639.57	1.17	4.69	16.75
36"L X 19.5"H X 17"W	672.09	1.23	4.93	17.60
42"L X 23"H X 20"W 47"L X 33"H X 30"W	748.27 831.80	1.37 1.52	5.49 6.10	19.60 21.78
47 L X 33 H X 30 W 48"L X 27"H X 24"W	1,380.20	2.53	10.12	36.15
60"L X 27"H X 24"W	1,333.50	2.53	9.78	34.92
72"L X 27"H X 24"W	1,853.99	3.40	13.60	48.56
IZ L N ZI II N Z4 VV	1,000.99	3.40	13.00	40.50

	Owning & Operating Rate			Э
	Est. Price \$	Day \$	Week \$	Month \$
Z. Glyder Sliding Beam Anchors				
14"; Anchor, Beam Glyder 14"	382.50	1.18	4.76	17.22
30"; Anchor, Beam Glyder 12" to 30"	440.25	1.35	5.48	19.82
AA. Hand Held Grinders				
Electric				
7"; Angle Grinders	403.37	3.76	16.61	65.80
7"; Sanders	326.35	3.27	14.58	58.26
5"; Straight Grinders	497.03	5.25	22.65	87.74
5"; Straight Grinders; Portable	412.83	4.56	19.83	77.33
5"; Tuck Point	375.00	3.58	15.86	63.02
5"; Angle Grinders	239.19	2.72	12.28	49.72
9"; Angle Grinders	415.54	3.84	16.93	67.00
9"; Sanders	330.40	3.30	14.68	58.66
6"; Straight Grinders	616.21	5.11	22.22	86.65
AB. Hand-Held Tampers				
Air				
	1,250.00	10.63	43.74	161.37
Gasoline				
	1,950.00	14.73	60.84	225.35
AC. Heat Guns				
Electric				
Corded	164.00	5.61	23.92	91.55
with Battery	299.00	7.28	30.64	115.71

	Owning & Operating Rate			
	Est. Price \$	Day \$	Week \$	Month \$
AD. Hole Saw Kits				
Manual				
3/4" to 2-1/2"	106.04	1.11	4.47	16.12
AE Hudusulia Bandana				
AE. Hydraulic Benders				
Electric				
1-1/4" to 4"; Combination to 1 hp Power Pump	5,216.67	22.72	94.25	350.58
1-1/4" to 5"; Combination to 1 hp Power Pump	16,521.58	75.65	311.69	1,150.80
1-1/4" to 4"; Combination to 1/2 hp Power Pump	6,784.04	27.85	115.08	426.21
1-1/4" to 4"; Combination-1-1/2 hp Power Pump	7,154.25	29.07	120.01	444.07
1-1/4" to 5"; Combination-1-1/2 hp Power Pump	17,696.81	79.50	327.31	1,207.51
2-1/2" to 4"; EMT Bender to 1 hp Power Pump	18,148.67	80.98	333.31	1,229.31
2-1/2" to 4"; EMT Bender-1-1/2 hp Power Pump	10,470.43	39.93	164.08	604.08
1/2" to 2"; One Shot to 1 hp Power Pump	7,446.89	30.03	123.90	458.19
1-1/4" to 4"; One Shot to 1 hp Power Pump	13,470.76	49.76	203.96	748.84
1/2" to 2"; One Shot to 1/2 hp Power Pump	7,103.57	28.90	119.33	441.62
1/2" to 2"; One Shot to 1-1/2 hp Power Pump	8,622.12	33.88	139.52	514.89
1-1/4" to 4"; One Shot to 1-1/2 hp Power Pump	15,627.62	72.72	299.80	1,107.67
1-1/4" to 4"; Segment to 1 hp Power Pump	10,108.68	38.75	159.28	586.62
1-1/4" to 4"; Segment to 1-1/2 hp Power Pump	11,283.91	42.60	174.90	643.33
1-1/4" to 4"; Segment-1/2 hp Power Pump	9,765.36	34.69	142.69	526.19

	Owning & Operating Rate			
	Est. Price \$	Day \$	Week \$	Month \$
Hydraulic				
1-1/4" to 6"; One Shot to 3 hp Power Pump	28,009.86	279.89	1,134.79	4,115.93
Manual				
Bending Table	3,906.49	18.68	75.54	273.29
to 1" x 6"; Bus Bar Attachment	71.46	1.77	8.58	36.78
to 3/4" x 4"; Bus Bar Attachment	306.73	2.89	13.21	53.97
1-1/4" to 4"; Combination to Hand Pump	4,875.33	24.62	103.17	387.86
1-1/4" to 5"; Combination to Hand Pump	12,932.91	62.95	261.83	976.72
2-1/2" to 4"; EMT Bender to Hand Pump	14,296.90	69.44	288.69	1,076.41
IMC Attachment	2,836.16	15.22	61.78	224.43
IMC to EMT Attachment	1,783.75	10.25	41.75	152.22
1/2" to 2"; One Shot to Hand Pump	3,858.22	19.79	83.14	313.52
1-1/4" to 4"; One Shot to Hand Pump	12,077.38	58.88	244.99	914.20
1/2" to 3"; Segment to Hand Pump	1,693.14	9.49	40.51	155.29
1-1/4" to 5"; Segment to Hand Pump	3,149.34	16.41	69.19	261.72
AF. Insulated Tool Sets				
Al. Ilibulated 1001 Octo				
10/1 1/ 14/1 0 /	222.22	4.40		45.75
HV Insulated Allen Set	399.33	1.10	4.41	15.75
HV Insulated Nut Driver Set	200.65	0.55	2.22	7.91
HV insulated Screwdriver	171.85	0.47	1.90	6.78
HV Insulated Socket Set	949.10	2.62	10.48	37.44
AG. Insulation Cutters				
Hydraulic				
48"	355.11	6.62	27.33	101.02
60"	491.53	7.77	31.94	117.67
60"; with slitting	2,852.66	27.53	111.75	405.79

	Owning & Operating Rate			
	Est. Price \$	Day \$	Week \$	Month \$
AH. Insulation Fastening Hammers				
Air	40.50	0.50	0.00	7.40
Single Nail Hammer	48.59	0.52	2.08	7.42
100 to 150 Nail Gun	55.50	0.62	2.74	10.86
Al. Jacks				
Hydraulic				
5 to 15 tons; House Jacks	599.99	4.14	17.10	63.37
20 to 30 tons; House Jacks	912.45	8.04	33.62	126.04
1 to 5 tons; Hydraulic Bottle	206.55	1.95	8.13	30.47
6 to 8 tons; Hydraulic Bottle	242.33	2.14	8.95	33.46
11 to 12 tons; Hydraulic Bottle	384.38	2.94	12.19	45.34
13 to 20 tons; Hydraulic Bottle	415.24	3.11	12.89	47.92
21 to 25 tons; Hydraulic Bottle	378.59	5.86	24.72	93.68
26 to 30 tons; Hydraulic Bottle	912.45	8.04	33.62	126.04
31 to 35 tons; Hydraulic Bottle	2,195.55	13.30	55.00	203.83
36 to 50 tons; Hydraulic Bottle	2,988.09	16.55	68.21	251.88
to 1-1/2 tons; Hydraulic Ram	84.99	1.27	5.36	20.30
3 to 5 tons; Hydraulic Ram	467.87	3.40	14.09	52.32
8 to 10 tons; Hydraulic Ram	294.14	2.43	10.13	37.79
12 to 20 tons; Hydraulic Ram	1,052.02	6.66	27.42	101.18
30 to 30 tons; Hydraulic Ram	3,396.62	19.72	80.91	297.28
50 to 50 tons; Hydraulic Ram	5,607.34	27.28	111.85	410.68
100 tons; Hydraulic Ram	1,854.34	10.83	44.99	167.74
to 15 tons; Locomotive	1,879.29	11.27	46.29	170.37
16 to 20 tons; Locomotive	2,609.99	15.34	62.96	231.49
to 5 tons; Single Acting Jack, Ratchet Lowering	1,531.95	9.33	38.37	141.32
6 tons to 10 tons; Single Acting Jack, Ratchet Lowering	837.20	5.46	22.52	83.21
11 ton to 15 tons; Single Acting Jack, Ratchet Lowering	149.99	1.63	6.84	25.74
16 tons to 20 tons; Single Acting Jack, Ratchet Lowering	1,550.00	9.43	38.78	142.83
21 ton to 25 tons; Single Acting Jack, Ratchet Lowering	2,341.47	13.90	57.43	212.68

	Ow	Owning & Operating Rate			
	Est. Price \$	Day \$	Week \$	Month \$	
AJ. Jig/Reciprocating Hand Saws					
Electric	400.00	0.40	0.04	00.00	
Dual Range Reciprocating	133.00	2.16	8.91	32.92	
Jig Saw, Portable	99.00	2.01	8.32	30.79	
Pipe Clamp for Saw	434.07	3.45	14.12	51.80	
Power Hack Saw-Reciprocating	199.00	2.44	10.05	37.06	
Sabre Saw, Portable	129.00	2.14	8.84	32.67	
Sabre Saw; 2-Speed	119.00	2.10	8.66	32.04	
Sabre Saw; 4-Speed	374.30	2.89	11.90	43.82	
Saw, Portaband Battery	359.00	3.13	12.82	47.10	
AK. Lathes					
Electric					
Wood Working	899.99	6.03	26.11	101.53	
Metal Working	3,795.22	19.27	79.36	292.81	
•					
Al Manual Tarqua Sarawdriyar Adius	tabla				
AL. Manual Torque Screwdriver-Adjus	lable				
Manual					
2" to 36"	281.40	0.78	3.11	11.10	
10" to 50"; Insulated	289.80	0.80	3.20	11.43	
30" to 80"; Insulated	233.10	0.64	2.57	9.19	
AM. Manual Torque Screwdriver-Non-A	Adjustable				
Manual	-				
3" to 15"	233.10	0.64	2.57	9.19	
2" to 36"	281.40	0.78	3.11	11.10	
2 10 30	201.40	0.76	3.11	11.10	
AN. Masonry/Tile Saws					
Electric					
14"; Portable	1,089.00	10.97	49.76	202.08	
14"; Table Type	3,457.62	25.83	117.85	481.07	
20"	4,386.06	31.66	144.54	590.42	

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4.75
5.20
6.16
07.00
67.60
328.95
511.75
500.29
389.37
997.39
37.38
3

	Owning & Operating Rate			
	Est. Price \$	Day \$	Week \$	Month \$
AT Din Chattara				
AT. Pin Spotters				
Manual Type; Compact Bench	1,899.00	7.25	31.16	120.32
Manual Type; Portable Gun	699.00	3.88	17.51	70.88
Manual Type; Portable Wheel Mtd.	3,899.00	12.87	53.91	202.73
Automatic Type; Auto. Rolling Head	10,900.00	53.61	242.30	980.97
Automatic Type; Automatic Stationary	6,795.00	40.17	184.81	760.08
AU. Pittsburgh Seam Closers				
Electric				
	3,650.00	26.75	110.03	405.65
	0,000.00	20.70	110.00	100.00
AV. Pressure Washers Cold				
Gasoline				
700 psi; 3 GPM	2,201.75	36.64	154.28	583.18
1,000 psi; 2 GPM	389.99	27.54	117.58	450.80
1,000 psi; 5 GPM	2,449.44	39.10	165.29	627.30
1,200 psi; 4 GPM	1,744.96	34.15	144.24	546.96
2,000 psi; 4 GPM	2,374.32	38.74	163.87	622.36
2,200 psi; 5 GPM	2,757.01	41.96	177.93	677.54
1,000 psi; 10 GPM	3,415.81	45.49	192.11	728.41
3,000 psi; 4 GPM	2,843.30	42.43	179.83	684.39
3,000 psi; 5 GPM	4,663.37	54.24	229.28	870.17
3,000 psi; 7 GPM	5,792.16	63.40	269.15	1,025.90
5,000 psi; 7 GPM	10,242.40	89.94	378.35	1,428.66
AW. Pressure Washers Hot				
Gasoline	0.4	<b>70.00</b>	000.00	4 000 00
1,000 PSI; 4 GPM	8,144.15	70.22	290.83	1,080.23
3,000 PSI; 4 GPM	8,851.67	76.72	319.56	1,194.26
3,000 PSI; 5 GPM	10,552.00	86.37	358.85	1,337.46
3,000 PSI; 6 GPM	12,460.30	99.79	415.88	1,555.05

	Owning & Operating Rate			
	Est. Price \$	Day \$	Week \$	Month \$
AX. Pulling Tools				
AX. I dilling 10013				
25'; Spring Fish Tape	22.56	0.77	3.79	16.50
100'; Polyethylene Fish Tape	177.83	1.11	5.16	21.45
AY. Radial Arm Saws				
Electric				
12"; Wood Cutting	3,799.76	25.06	104.41	390.34
14"; Wood Cutting	5,638.66	30.54	126.77	471.94
16"; Wood Cutting	6,222.19	32.29	133.87	497.84
16"; Metal Cutting	8,578.37	39.32	162.52	602.39
20"; Metal Cutting	9,835.85	43.07	177.82	658.19
AZ. Reel Cart or Stand				
30"	194.07	1.06	4.79	19.29
AAA. Rubber Insulating Equipment				
Insulated Hand tools Set	1,975.89	5.46	21.82	77.94
AAB. Rubber Insulating Line Hose				
Rating: Class 2, Size: 4' x 1-1/2"	269.50	2.72	10.93	39.23
AAC. Rubber Insulating Matting				
Linear Yard	95.00	0.26	1.05	3.75
AAD. Rubber Insulating Sleeves				
Size: Regular	366.01	1.01	4.04	14.44

	Owning & Operating Rate			е
	Est. Price \$	Day \$	Week \$	Month \$
AAE. Sanders				
Electric	44.00	4.50	7.40	04.70
1/2" x 18"; Belt Sander	44.36	1.56	7.46	31.78
1-1/8" x 21"; Belt Sander	240.09	3.15	14.03	55.98
3" x 24"; Belt Sander	300.76	3.65	16.07	63.48
4.5" x 9" Pad; Orbital	719.00	7.06	30.10	115.19
AAF. Shears & Nibblers				
Electric				
16 ga.; Metal Shears	551.34	3.02	13.44	53.70
12 ga.; Metal Shears	608.10	3.23	14.33	57.06
16 ga.; Nibblers	1,013.50	4.74	20.69	81.08
8 ga.; Nibblers	1,682.41	7.24	31.20	120.71
AAG. Single Impeller Impact Breakers				
Electric	4.070.00	0.4.70	105.15	100 71
41 to 55 pound; without accessories	1,970.00	24.79	105.45	402.71
41 to 55 pound; with accessories	2,085.00	25.03	106.44	406.38
AAH. Socket Wrenches				
1/4"	231.00	0.71	2.87	10.40
1/2"	249.97	12.97	55.99	216.95
AAI. Spade				
AAI. Spaue				
	28.65	0.34	1.41	5.18
AAJ. Steel Lettering Dies				
	175.66	1.06	4.61	17.99
	173.00	1.00	7.01	17.33

	Owning & Operating Rate			Э
	Est. Price \$	Day \$	Week \$	Month \$
AAK. Table Saws				
Electric				
8"	1,177.57	6.14	25.73	96.77
10"; Tilting Arbor	2,107.01	8.76	36.38	135.50
, ,				
AAL. Tarpaulins				
7. Tai padiiio				
200 Sq. ft	113.98	0.91	3.72	13.52
400 Sq. ft	227.92	1.68	6.80	24.66
AAM. Tool Cleaners, Steam Vapor				
Electric				
70 gph; Portable or Stationary	4,705.00	51.67	211.82	777.77
150 gph; Portable or Stationary	6,825.00	64.74	264.45	967.28
200 gph; Portable or Stationary	9,415.00	80.70	328.75	1,198.79
J				
AAN. Torque Wrench				
75 att Torquo Trionon				
	584.89	1.80	7.28	26.33
	304.03	1.00	7.20	20.00
AAO. Tristand Vise				
AAO. Iristand vise				
	075 70	4.00	0.00	04.50
	275.70	1.32	6.02	24.58
AAP. Vacuum Cleaners Wet/Dry Type				
Electric				
6 gallon	323.82	3.03	13.62	54.86
10 gallon	622.26	4.50	19.57	76.34
15 gallon	907.50	5.91	25.25	96.87

	Owning & Operating Rate			
	Est. Price \$	Day \$	Week \$	Month \$
AAQ. Vises				
AAQ. VISES				
3.5"; Combination (Machinists with Pipe)	447.19	1.70	7.54	30.05
4.5"; Combination (Machinists with Pipe)	611.16	2.06	8.99	35.29
5"; Combination (Machinists with Pipe)	770.79	2.41	10.40	40.38
6"; Combination (Machinists with Pipe)	887.22	2.66	11.43	44.10
3"; Machinist	343.85	0.99	4.24	16.23
3.5"; Machinist	389.85	46,388.00	7.03	28.22
4"; Machinist	401.35	1.60	7.14	28.59
4.5"; Machinist	493.35	1.80	7.95	31-1/22
5"; Machinist	586.50	2.00	8.77	34.50
6"; Machinist	585.00	2.00	8.76	34.45
8"; Machinist	681.21	2.21	9.61	37.52
to 2.5"; Pipe Chain (top or Bottom)	186.15	1.13	5.23	21.72
4" to 4.5"; Pipe Chain (top or Bottom)	298.16	0.89	3.83	14.78
6"; Pipe Chain (top or Bottom)	555.36	1.93	8.50	33.50
8"; Pipe Chain (top or Bottom)	742.07	2.34	10.15	39.46
2"; Pipe-Yoke	208.90	0.70	3.04	11.93
2-1/2"; Pipe-Yoke	156.80	1.06	4.97	20.78
3"; Pipe-Yoke	385.33	1.56	6.99	28.08
3-1/2"; Pipe-Yoke	385.33	1.56	6.99	28.08
4"; Pipe-Yoke	428.40	1.18	4.99	18.93
6"; Pipe-Yoke	1,042.87	2.52	10.42	38.55
2.5"; Portable Tristand	480.95	1.77	7.84	31.13
4 to 5"; Portable Tristand	540.85	1.90	8.37	33.04
6"; Portable Tristand	746.87	2.35	10.19	39.62
with Mobile work Bench	107.99	0.48	2.15	8.71
2"; Yoke	261.12	0.81	3.51	13.59
4"; Yoke	428.40	1.18	4.99	18.93
6"; Yoke	1,042.87	2.52	10.42	38.55
2"; Yoke Vise-Clamp Type	261.12	0.81	3.51	13.59
4"; Yoke Vise-Clamp Type	428.40	1.18	4.99	18.93

	Owning & Operating Rate			е
	Est. Price \$	Day \$	Week \$	Month 9
AR. Whitney Punch And Dies				
s and string is directly and blood				
No. 5	20.00	0.31	1.48	6.34
No. 10	40.00	1.09	5.35	23.20
No. 20	48.00	1.12	5.47	23.63
No. 25	402.28	2.31	10.52	42.78
No. 40	712.80	3.36	14.94	59.57
AS. Wrench Sets				
Chandand Databatina	00.54	0.00	0.00	0.00
Standard Ratcheting	66.51	0.20	0.83	2.99
Metric	91.83	0.28	1.14	4.13
Standard Metric Ratcheting	91.83 100.56	0.28	1.14 1.25	4.13 4.53
AT. Wrenches				
	89.97	0.28	1.12	4.05
24"; Aluminum or Cast Iron	89.97 139.99	0.28	1.12 1.74	4.05 6.30
24"; Aluminum or Cast Iron 36"; Aluminum or Cast Iron	139.99	0.43	1.74	6.30
24"; Aluminum or Cast Iron 36"; Aluminum or Cast Iron 48"; Aluminum or Cast Iron				6.30
24"; Aluminum or Cast Iron 36"; Aluminum or Cast Iron 48"; Aluminum or Cast Iron 3/4"; Combo	139.99 229.00	0.43 0.70	1.74 2.85	6.30 10.31
24"; Aluminum or Cast Iron 36"; Aluminum or Cast Iron 48"; Aluminum or Cast Iron	139.99 229.00 5.51	0.43 0.70 0.02	1.74 2.85 0.07	6.30 10.31 0.25
24"; Aluminum or Cast Iron 36"; Aluminum or Cast Iron 48"; Aluminum or Cast Iron 3/4"; Combo 1"; Combo	139.99 229.00 5.51 13.20	0.43 0.70 0.02 0.04	1.74 2.85 0.07 0.16	6.30 10.31 0.25 0.59
24"; Aluminum or Cast Iron 36"; Aluminum or Cast Iron 48"; Aluminum or Cast Iron 3/4"; Combo 1"; Combo 1-1/16"; Combo	139.99 229.00 5.51 13.20 15.00	0.43 0.70 0.02 0.04 0.05	1.74 2.85 0.07 0.16 0.19	6.30 10.31 0.25 0.59 0.68
24"; Aluminum or Cast Iron 36"; Aluminum or Cast Iron 48"; Aluminum or Cast Iron 3/4"; Combo 1"; Combo 1-1/16"; Combo 1-1/8"; Combo	139.99 229.00 5.51 13.20 15.00 19.00	0.43 0.70 0.02 0.04 0.05 0.06	1.74 2.85 0.07 0.16 0.19 0.24	6.30 10.31 0.25 0.59 0.68 0.86
24"; Aluminum or Cast Iron 36"; Aluminum or Cast Iron 48"; Aluminum or Cast Iron 3/4"; Combo 1"; Combo 1-1/16"; Combo 1-1/8"; Combo 1-1/4"; Combo	139.99 229.00 5.51 13.20 15.00 19.00 20.00	0.43 0.70 0.02 0.04 0.05 0.06	1.74 2.85 0.07 0.16 0.19 0.24 0.25	6.30 10.31 0.25 0.59 0.68 0.86
24"; Aluminum or Cast Iron 36"; Aluminum or Cast Iron 48"; Aluminum or Cast Iron 3/4"; Combo 1"; Combo 1-1/16"; Combo 1-1/8"; Combo 1-1/4"; Combo 1-3/8"; Combo	139.99 229.00 5.51 13.20 15.00 19.00 20.00 40.00	0.43 0.70 0.02 0.04 0.05 0.06 0.06 0.12	1.74 2.85 0.07 0.16 0.19 0.24 0.25 0.50	6.30 10.31 0.25 0.59 0.68 0.86 0.90 1.80
24"; Aluminum or Cast Iron 36"; Aluminum or Cast Iron 48"; Aluminum or Cast Iron 3/4"; Combo 1"; Combo 1-1/16"; Combo 1-1/8"; Combo 1-3/8"; Combo 1-5/16"; Combo	139.99 229.00 5.51 13.20 15.00 19.00 20.00 40.00 37.56	0.43 0.70 0.02 0.04 0.05 0.06 0.06 0.12 0.12	1.74 2.85 0.07 0.16 0.19 0.24 0.25 0.50 0.47	6.30 10.31 0.25 0.59 0.68 0.86 0.90 1.80 1.69
24"; Aluminum or Cast Iron 36"; Aluminum or Cast Iron 48"; Aluminum or Cast Iron 3/4"; Combo 1"; Combo 1-1/16"; Combo 1-1/4"; Combo 1-3/8"; Combo 1-5/16"; Combo 1-1/2"; Combo	139.99 229.00 5.51 13.20 15.00 19.00 20.00 40.00 37.56 47.75	0.43 0.70 0.02 0.04 0.05 0.06 0.12 0.12 0.15	1.74 2.85 0.07 0.16 0.19 0.24 0.25 0.50 0.47 0.59	6.30 10.31 0.25 0.59 0.68 0.86 0.90 1.80 1.69 2.15
24"; Aluminum or Cast Iron 36"; Aluminum or Cast Iron 48"; Aluminum or Cast Iron 3/4"; Combo 1"; Combo 1-1/16"; Combo 1-1/8"; Combo 1-3/8"; Combo 1-5/16"; Combo 1-5/16"; Combo 1-5/16"; Combo	139.99 229.00 5.51 13.20 15.00 19.00 20.00 40.00 37.56 47.75 65.95	0.43 0.70 0.02 0.04 0.05 0.06 0.12 0.12 0.15 0.20	1.74 2.85 0.07 0.16 0.19 0.24 0.25 0.50 0.47 0.59 0.82	6.30 10.31 0.25 0.59 0.68 0.86 0.90 1.80 1.69 2.15 2.97
24"; Aluminum or Cast Iron 36"; Aluminum or Cast Iron 48"; Aluminum or Cast Iron 3/4"; Combo 1"; Combo 1-1/16"; Combo 1-1/4"; Combo 1-3/8"; Combo 1-5/16"; Combo 1-5/16"; Combo 1-5/16"; Combo 1-5/8"; Combo 1-5/8"; Combo	139.99 229.00 5.51 13.20 15.00 19.00 20.00 40.00 37.56 47.75 65.95 30.29	0.43 0.70 0.02 0.04 0.05 0.06 0.12 0.12 0.15 0.20 0.09	1.74 2.85 0.07 0.16 0.19 0.24 0.25 0.50 0.47 0.59 0.82 0.38	6.30 10.31 0.25 0.59 0.68 0.86 0.90 1.80 1.69 2.15 2.97
24"; Aluminum or Cast Iron 36"; Aluminum or Cast Iron 48"; Aluminum or Cast Iron 3/4"; Combo 1"; Combo 1-1/16"; Combo 1-1/4"; Combo 1-3/8"; Combo 1-5/16"; Combo 1-5/16"; Combo 1-5/16"; Combo 1-1/2"; Combo 1-1/2"; Combo 1-5/8"; Combo 10"; Crescent 10 to 12"; Pipe, Aluminum or Cast Iron	139.99 229.00 5.51 13.20 15.00 19.00 20.00 40.00 37.56 47.75 65.95 30.29 24.95	0.43 0.70 0.02 0.04 0.05 0.06 0.12 0.12 0.15 0.20 0.09 0.08	1.74 2.85 0.07 0.16 0.19 0.24 0.25 0.50 0.47 0.59 0.82 0.38 0.31	6.30 10.31 0.25 0.59 0.68 0.86 0.90 1.80 1.69 2.15 2.97 1.36 1.12

# MCAA | NECA | SMACNA TOOL AND EQUIPMENT RENTAL GUIDE

	Owning & Operating Rate			
	Est. Price \$	Day \$	Week \$	Month \$
10"; Pipe, Non-Sparking	94.60	0.29	1.18	4.26
14"; Pipe, Non-Sparking	175.29	0.54	2.18	7.89
18"; Pipe, Non-Sparking	239.78	0.74	2.98	10.79
24"; Pipe, Non-Sparking	345.20	1.06	4.30	15.54
Transformer	99.99	0.31	1.24	4.50
Tri-Penta Wrench	53.40	0.16	0.66	2.40

#### **SECTION 30: TRACTORS**

#### A. Bare Industrial Tractors

Diesel
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41 to 70 hp	31,760.00	163.34	709.94	2,770.60
Gasoline				
41 to 70 hp	30,738.00	156.31	672.63	2,599.24

# **B.** Lgp Crawler Dozers

#### Diesel

to 59 hp	121,132.00	594.81	2,468.48	9,188.84
60 to 74 hp	81,803.00	488.07	2,054.81	7,765.82
75 to 84 hp	100,440.00	512.40	2,163.32	8,199.80
85 to 104 hp	113,539.00	564.09	2,371.77	8,951.51
105 to 129 hp	148,343.00	640.74	2,702.25	10,231.18
130 to 159 hp	194,725.00	763.42	3,212.08	12,131.82
160 to 189 hp	247,930.00	912.26	3,864.74	14,700.68
190 to 259 hp	352,984.00	1,270.18	5,322.56	20,017.49
60 to 74 hp	75,472.00	392.72	1,670.53	6,380.78
75 to 104 hp	87,000.00	443.95	1,896.38	7,274.40
105 to 129 hp	111,000.00	521.60	2,226.48	8,534.37
130 to 189 hp	159,500.00	783.10	3,348.21	12,855.54
190 hp and over	577,275.00	2,061.93	8,616.59	32,312.25

	Owning & Operating Rate			Э
	Est. Price \$	Day \$	Week \$	Month \$
C. Standard Crawler Dozers				
Diesel				
to 59 hp	55,809.00	390.59	1,650.58	6,262.24
60 to 74 hp	77,794.00	476.67	2,006.99	7,585.81
75 to 84 hp	96,566.00	491.54	2,078.54	7,891.32
85 to 104 hp	108,346.00	542.10	2,283.25	8,632.88
105 to 129 hp	144,247.00	656.76	2,760.56	10,415.62
130 to 159 hp	186,776.00	754.62	3,170.96	11,960.31
160 to 189 hp	227,608.00	910.66	3,837.30	14,515.57
190 to 259 hp	320,900.00	1,121.93	4,728.08	17,887.27
260 to 359 hp	436,356.00	1,527.49	6,476.74	24,658.05
360 to 519 hp	598,363.00	1,836.54	7,879.90	30,361.85
520 hp and over	1,269,820.00	3,260.50	14,081.79	54,613.62
to 59 hp	39,908.00	298.43	1,258.04	4,760.95
60 to 74 hp	79,373.00	429.66	1,803.40	6,793.99
75 to 104 hp	117,980.00	560.14	2,338.01	8,756.68
105 to 129 hp	158,255.00	685.42	2,860.69	10,713.40
130 to 189 hp	198,275.00	894.45	3,749.34	14,105.60
190 hp and over	332,227.00	1,409.48	5,858.61	21,845.37
D. Track Tractors				
Diesel				
to 75 hp	94,131.00	539.64	2,206.18	8,076.46
76 to 149 hp	122,120.00	664.10	2,717.05	9,955.10
E. Tractor Attachments				
Hydraulic				
•	4,779.57	27.58	115.14	431.34
Earth Auger Winch	10,997.10		370.58	
VVIIICII	10,997.10	89.78	370.56	1,371.50
F. Tractor-Loader-Backhoes				
Diesel				
Under 12'	33,154.00	184.91	774.14	2,908.61
12' to Under 13'	52,877.00	258.41	1,084.34	4,083.97

	Owning & Operating Rate			
	Est. Price \$	Day \$	Week \$	Month \$
4011 11 1 441	75.070.00	222 57	1 005 04	4 700 00
13' to Under 14'	75,373.00	309.57	1,285.24	4,786.36
14' to Under 15'	60,850.00	245.43	1,042.71	3,977.68
15' to Under 16'	73,469.00	310.16	1,309.73	4,965.35
16' to Under 17'	78,741.00	328.53	1,385.27	5,243.72
17' and over	115,945.00	554.93	2,319.82	8,702.58
On a self and				
Gasoline				
13' to Under 14'	75,373.00	354.66	1,481.68	5,552.92
G. Tractor-Loaders				
Diesel				
40 to 49 hp	24,298.00	177.61	746.08	2,813.18
50 to 59 hp	42,964.00	233.33	979.24	3,688.75
60 to 69 hp	45,799.00	228.44	962.28	3,638.77
70 hp and over	45,402.00	230.85	975.37	3,699.83
H. Wheel Loader Rops Cabs (Erops)				
Manual				
	6,242.00	14.90	64.64	251.78
I. Wheel Tractors				
Diesel				
25 to 49 hp	40,086.00	220.45	916.89	3,421.17
50 to 74 hp	59,169.00	251.75	1,068.16	4,068.25
75 to 124 hp	91,839.00	341.81	1,441.98	5,459.52
•				
Gasoline				
25 to 49 hp	40,086.00	279.75	1,198.58	4,610.35
50 to 74 hp	59,169.00	333.69	1,440.49	5,582.56
75 to 124 hp	91,839.00	458.91	1,978.68	7,659.24

Est. Price \$ Day \$ Week \$ Month \$		Ov	vning & Op	perating Rate	Э
A. Cargo Van Field Office Trailers  10' x 20' 9,095.00 19.70 84.97 329.14 10' x 30' 8,195.00 18.37 79.38 308.12 10' x 40' 11,246.11 23.96 102.65 394.78 12' x 30' 9,320.00 20.03 86.37 334.39 12' x 40' 12,112.00 25.33 108.35 416.19 12' x 50' 13,166.79 26.99 115.30 442.27 20' x 50' 27,878.89 50.17 212.26 805.99  B. Dump Trailers  14' 14,735.00 51.85 222.33 855.92 16' 16,225.00 55.44 237.47 913.15  C. Framing Trailers  20 to 27'; Single Axle 61,505.11 413.40 1,673.30 6,057.65 38 to 42'; Tandem Axle 67,267.62 451.90 1,829.03 6,621.00 56 to 65' 67,557.81 453.84 1,836.87 6,649.37 28 to 37'; Single Axle 68,154.79 457.83 1,853.00 6,707.73 48 to 54' 68,872.74 462.62 1,872.40 6,777.92 43 to 47' 69,992.03 470.10 1,902.65 6,887.34 66' and longer 73,121.20 491.01 1,987.21 7,193.26  E. Non-Tilt Deck Utility Trailers		Est. Price \$	Day \$	Week \$	Month \$
10' x 20' 9,095.00 19.70 84.97 329.14 10' x 30' 8,195.00 18.37 79.38 308.12 10' x 40' 11,246.11 23.96 102.65 394.78 12' x 30' 9,320.00 20.03 86.37 334.39 12' x 40' 12,112.00 25.33 108.35 416.19 12' x 50' 13,166.79 26.99 115.30 442.27 20' x 50' 27,878.89 50.17 212.26 805.99  B. Dump Trailers  14' 14,735.00 51.85 222.33 855.92 16' 16,225.00 55.44 237.47 913.15  C. Framing Trailers  20 to 27'; Single Axle 61,505.11 413.40 1,673.30 6,057.65 38 to 42'; Tandem Axle 67,267.62 451.90 1,829.03 6,621.00 56 to 65' 67,557.81 453.84 1,836.87 6,649.37 28 to 37'; Single Axle 68,154.79 457.83 1,853.00 6,707.73 48 to 54' 68,872.74 462.62 1,872.40 6,777.92 43 to 47' 69,992.03 470.10 1,902.65 6,887.34 66' and longer 73,121.20 491.01 1,987.21 7,193.26  E. Non-Tilt Deck Utility Trailers	SECTION 31: TRAILERS				
10' x 30'	A. Cargo Van Field Office Trailers				
10' x 30'	-				
10' x 40' 11,246.11 23.96 102.65 394.78 12' x 30' 9,320.00 20.03 86.37 334.39 12' x 40' 12,112.00 25.33 108.35 416.19 12' x 50' 13,166.79 26.99 115.30 442.27 20' x 50' 27,878.89 50.17 212.26 805.99  B. Dump Trailers  14' 14,735.00 51.85 222.33 855.92 16' 16,225.00 55.44 237.47 913.15  C. Framing Trailers  10,992.00 42.82 184.30 712.16  D. Lowboy Trailers  20 to 27'; Single Axle 61,505.11 413.40 1,673.30 6,057.65 38 to 42'; Tandem Axle 67,267.62 451.90 1,829.03 6,621.00 56 to 65' 67,557.81 453.84 1,836.87 6,649.37 28 to 37'; Single Axle 68,154.79 457.83 1,853.00 6,707.73 48 to 54' 68,872.74 462.62 1,872.40 6,777.92 43 to 47' 69,992.03 470.10 1,902.65 6,887.34 66' and longer 73,121.20 491.01 1,987.21 7,193.26  E. Non-Tilt Deck Utility Trailers	10' x 20'	9,095.00	19.70	84.97	329.14
12' x 30' 9,320.00 20.03 86.37 334.39 12' x 40' 12,112.00 25.33 108.35 416.19 12' x 50' 13,166.79 26.99 115.30 442.27 20' x 50' 27,878.89 50.17 212.26 805.99  B. Dump Trailers  14' 14,735.00 51.85 222.33 855.92 16' 16,225.00 55.44 237.47 913.15  C. Framing Trailers  10,992.00 42.82 184.30 712.16  D. Lowboy Trailers  20 to 27'; Single Axle 61,505.11 413.40 1,673.30 6,057.65 38 to 42'; Tandem Axle 67,267.62 451.90 1,829.03 6,621.00 56 to 65' 67,557.81 453.84 1,836.87 6,649.37 28 to 37'; Single Axle 68,154.79 457.83 1,853.00 6,707.73 48 to 54' 68,872.74 462.62 1,872.40 6,777.92 43 to 47' 69,992.03 470.10 1,902.65 6,887.34 66' and longer 73,121.20 491.01 1,987.21 7,193.26  E. Non-Tilt Deck Utility Trailers	10' x 30'	8,195.00	18.37	79.38	308.12
12' x 40'       12,112.00       25.33       108.35       416.19         12' x 50'       13,166.79       26.99       115.30       442.27         20' x 50'       27,878.89       50.17       212.26       805.99         B. Dump Trailers         14'       14,735.00       51.85       222.33       855.92         16'       16,225.00       55.44       237.47       913.15         C. Framing Trailers         D. Lowboy Trailers       10,992.00       42.82       184.30       712.16         D. Lowboy Trailers       61,505.11       413.40       1,673.30       6,057.65         38 to 42'; Single Axle       61,505.11       413.40       1,673.30       6,057.65         38 to 42'; Tandem Axle       67,267.62       451.90       1,829.03       6,621.00         56 to 65'       67,557.81       453.84       1,836.87       6,649.37         28 to 37'; Single Axle       68,154.79       457.83       1,853.00       6,707.73         48 to 54'       68,872.74       462.62       1,872.40       6,777.92         43 to 47'       69,992.03       470.10       1,902.65       6,887.34         66' and longer       73,121.20       491.01 <td>10' x 40'</td> <td>11,246.11</td> <td>23.96</td> <td>102.65</td> <td>394.78</td>	10' x 40'	11,246.11	23.96	102.65	394.78
12' x 50' 13,166.79 26.99 115.30 442.27 20' x 50' 27,878.89 50.17 212.26 805.99   B. Dump Trailers  14' 14,735.00 51.85 222.33 855.92 16' 16,225.00 55.44 237.47 913.15   C. Framing Trailers  10,992.00 42.82 184.30 712.16   D. Lowboy Trailers  20 to 27'; Single Axle 61,505.11 413.40 1,673.30 6,057.65 38 to 42'; Tandem Axle 67,267.62 451.90 1,829.03 6,621.00 56 to 65' 67,557.81 453.84 1,836.87 6,649.37 28 to 37'; Single Axle 68,154.79 457.83 1,853.00 6,707.73 48 to 54' 68,872.74 462.62 1,872.40 6,777.92 43 to 47' 69,992.03 470.10 1,902.65 6,887.34 66' and longer 73,121.20 491.01 1,987.21 7,193.26   E. Non-Tilt Deck Utility Trailers  3 tons 4,745.00 25.22 109.98 430.60	12' x 30'	9,320.00	20.03	86.37	334.39
20' x 50' 27,878.89 50.17 212.26 805.99  B. Dump Trailers  14' 14,735.00 51.85 222.33 855.92 16' 16,225.00 55.44 237.47 913.15  C. Framing Trailers  10,992.00 42.82 184.30 712.16  D. Lowboy Trailers  20 to 27'; Single Axle 61,505.11 413.40 1,673.30 6,057.65 38 to 42'; Tandem Axle 67,267.62 451.90 1,829.03 6,621.00 56 to 65' 67,557.81 453.84 1,836.87 6,649.37 28 to 37'; Single Axle 68,154.79 457.83 1,853.00 6,707.73 48 to 54' 68,872.74 462.62 1,872.40 6,777.92 43 to 47' 69,992.03 470.10 1,902.65 6,887.34 66' and longer 73,121.20 491.01 1,987.21 7,193.26  E. Non-Tilt Deck Utility Trailers	12' x 40'	12,112.00	25.33	108.35	416.19
B. Dump Trailers  14' 14,735.00 51.85 222.33 855.92 16' 16,225.00 55.44 237.47 913.15  C. Framing Trailers  10,992.00 42.82 184.30 712.16  D. Lowboy Trailers  20 to 27'; Single Axle 61,505.11 413.40 1,673.30 6,057.65 38 to 42'; Tandem Axle 67,267.62 451.90 1,829.03 6,621.00 56 to 65' 67,557.81 453.84 1,836.87 6,649.37 28 to 37'; Single Axle 68,154.79 457.83 1,853.00 6,707.73 48 to 54' 68,872.74 462.62 1,872.40 6,777.92 43 to 47' 69,992.03 470.10 1,902.65 6,887.34 66' and longer 73,121.20 491.01 1,987.21 7,193.26  E. Non-Tilt Deck Utility Trailers	12' x 50'	13,166.79	26.99	115.30	442.27
14' 14,735.00 51.85 222.33 855.92 16' 16,225.00 55.44 237.47 913.15  C. Framing Trailers  10,992.00 42.82 184.30 712.16  D. Lowboy Trailers  20 to 27'; Single Axle 61,505.11 413.40 1,673.30 6,057.65 38 to 42'; Tandem Axle 67,267.62 451.90 1,829.03 6,621.00 56 to 65' 67,557.81 453.84 1,836.87 6,649.37 28 to 37'; Single Axle 68,154.79 457.83 1,853.00 6,707.73 48 to 54' 68,872.74 462.62 1,872.40 6,777.92 43 to 47' 69,992.03 470.10 1,902.65 6,887.34 66' and longer 73,121.20 491.01 1,987.21 7,193.26  E. Non-Tilt Deck Utility Trailers	20' x 50'	27,878.89	50.17	212.26	805.99
14' 14,735.00 51.85 222.33 855.92 16' 16,225.00 55.44 237.47 913.15  C. Framing Trailers  10,992.00 42.82 184.30 712.16  D. Lowboy Trailers  20 to 27'; Single Axle 61,505.11 413.40 1,673.30 6,057.65 38 to 42'; Tandem Axle 67,267.62 451.90 1,829.03 6,621.00 56 to 65' 67,557.81 453.84 1,836.87 6,649.37 28 to 37'; Single Axle 68,154.79 457.83 1,853.00 6,707.73 48 to 54' 68,872.74 462.62 1,872.40 6,777.92 43 to 47' 69,992.03 470.10 1,902.65 6,887.34 66' and longer 73,121.20 491.01 1,987.21 7,193.26  E. Non-Tilt Deck Utility Trailers					
16'       16,225.00       55.44       237.47       913.15         C. Framing Trailers         10,992.00       42.82       184.30       712.16         D. Lowboy Trailers         20 to 27'; Single Axle       61,505.11       413.40       1,673.30       6,057.65         38 to 42'; Tandem Axle       67,267.62       451.90       1,829.03       6,621.00         56 to 65'       67,557.81       453.84       1,836.87       6,649.37         28 to 37'; Single Axle       68,154.79       457.83       1,853.00       6,707.73         48 to 54'       68,872.74       462.62       1,872.40       6,777.92         43 to 47'       69,992.03       470.10       1,902.65       6,887.34         66' and longer       73,121.20       491.01       1,987.21       7,193.26         E. Non-Tilt Deck Utility Trailers	B. Dump Trailers				
16'       16,225.00       55.44       237.47       913.15         C. Framing Trailers         10,992.00       42.82       184.30       712.16         D. Lowboy Trailers         20 to 27'; Single Axle       61,505.11       413.40       1,673.30       6,057.65         38 to 42'; Tandem Axle       67,267.62       451.90       1,829.03       6,621.00         56 to 65'       67,557.81       453.84       1,836.87       6,649.37         28 to 37'; Single Axle       68,154.79       457.83       1,853.00       6,707.73         48 to 54'       68,872.74       462.62       1,872.40       6,777.92         43 to 47'       69,992.03       470.10       1,902.65       6,887.34         66' and longer       73,121.20       491.01       1,987.21       7,193.26         E. Non-Tilt Deck Utility Trailers					
C. Framing Trailers  10,992.00 42.82 184.30 712.16  D. Lowboy Trailers  20 to 27'; Single Axle 61,505.11 413.40 1,673.30 6,057.65 38 to 42'; Tandem Axle 67,267.62 451.90 1,829.03 6,621.00 56 to 65' 67,557.81 453.84 1,836.87 6,649.37 28 to 37'; Single Axle 68,154.79 457.83 1,853.00 6,707.73 48 to 54' 68,872.74 462.62 1,872.40 6,777.92 43 to 47' 69,992.03 470.10 1,902.65 6,887.34 66' and longer 73,121.20 491.01 1,987.21 7,193.26  E. Non-Tilt Deck Utility Trailers	14'	14,735.00	51.85	222.33	855.92
10,992.00 42.82 184.30 712.16  D. Lowboy Trailers  20 to 27'; Single Axle 61,505.11 413.40 1,673.30 6,057.65 38 to 42'; Tandem Axle 67,267.62 451.90 1,829.03 6,621.00 56 to 65' 67,557.81 453.84 1,836.87 6,649.37 28 to 37'; Single Axle 68,154.79 457.83 1,853.00 6,707.73 48 to 54' 68,872.74 462.62 1,872.40 6,777.92 43 to 47' 69,992.03 470.10 1,902.65 6,887.34 66' and longer 73,121.20 491.01 1,987.21 7,193.26  E. Non-Tilt Deck Utility Trailers	16'	16,225.00	55.44	237.47	913.15
10,992.00 42.82 184.30 712.16  D. Lowboy Trailers  20 to 27'; Single Axle 61,505.11 413.40 1,673.30 6,057.65 38 to 42'; Tandem Axle 67,267.62 451.90 1,829.03 6,621.00 56 to 65' 67,557.81 453.84 1,836.87 6,649.37 28 to 37'; Single Axle 68,154.79 457.83 1,853.00 6,707.73 48 to 54' 68,872.74 462.62 1,872.40 6,777.92 43 to 47' 69,992.03 470.10 1,902.65 6,887.34 66' and longer 73,121.20 491.01 1,987.21 7,193.26  E. Non-Tilt Deck Utility Trailers					
D. Lowboy Trailers  20 to 27'; Single Axle 61,505.11 413.40 1,673.30 6,057.65 38 to 42'; Tandem Axle 67,267.62 451.90 1,829.03 6,621.00 56 to 65' 67,557.81 453.84 1,836.87 6,649.37 28 to 37'; Single Axle 68,154.79 457.83 1,853.00 6,707.73 48 to 54' 68,872.74 462.62 1,872.40 6,777.92 43 to 47' 69,992.03 470.10 1,902.65 6,887.34 66' and longer 73,121.20 491.01 1,987.21 7,193.26  E. Non-Tilt Deck Utility Trailers	C. Framing Trailers				
D. Lowboy Trailers  20 to 27'; Single Axle 61,505.11 413.40 1,673.30 6,057.65 38 to 42'; Tandem Axle 67,267.62 451.90 1,829.03 6,621.00 56 to 65' 67,557.81 453.84 1,836.87 6,649.37 28 to 37'; Single Axle 68,154.79 457.83 1,853.00 6,707.73 48 to 54' 68,872.74 462.62 1,872.40 6,777.92 43 to 47' 69,992.03 470.10 1,902.65 6,887.34 66' and longer 73,121.20 491.01 1,987.21 7,193.26  E. Non-Tilt Deck Utility Trailers					
20 to 27'; Single Axle 61,505.11 413.40 1,673.30 6,057.65 38 to 42'; Tandem Axle 67,267.62 451.90 1,829.03 6,621.00 56 to 65' 67,557.81 453.84 1,836.87 6,649.37 28 to 37'; Single Axle 68,154.79 457.83 1,853.00 6,707.73 48 to 54' 68,872.74 462.62 1,872.40 6,777.92 43 to 47' 69,992.03 470.10 1,902.65 6,887.34 66' and longer 73,121.20 491.01 1,987.21 7,193.26  E. Non-Tilt Deck Utility Trailers		10,992.00	42.82	184.30	712.16
20 to 27'; Single Axle 61,505.11 413.40 1,673.30 6,057.65 38 to 42'; Tandem Axle 67,267.62 451.90 1,829.03 6,621.00 56 to 65' 67,557.81 453.84 1,836.87 6,649.37 28 to 37'; Single Axle 68,154.79 457.83 1,853.00 6,707.73 48 to 54' 68,872.74 462.62 1,872.40 6,777.92 43 to 47' 69,992.03 470.10 1,902.65 6,887.34 66' and longer 73,121.20 491.01 1,987.21 7,193.26  E. Non-Tilt Deck Utility Trailers	D. Lawbey Trailers				
38 to 42'; Tandem Axle 67,267.62 451.90 1,829.03 6,621.00 56 to 65' 67,557.81 453.84 1,836.87 6,649.37 28 to 37'; Single Axle 68,154.79 457.83 1,853.00 6,707.73 48 to 54' 68,872.74 462.62 1,872.40 6,777.92 43 to 47' 69,992.03 470.10 1,902.65 6,887.34 66' and longer 73,121.20 491.01 1,987.21 7,193.26  E. Non-Tilt Deck Utility Trailers  4,745.00 25.22 109.98 430.60	D. Lowboy Trailers				
38 to 42'; Tandem Axle 67,267.62 451.90 1,829.03 6,621.00 56 to 65' 67,557.81 453.84 1,836.87 6,649.37 28 to 37'; Single Axle 68,154.79 457.83 1,853.00 6,707.73 48 to 54' 68,872.74 462.62 1,872.40 6,777.92 43 to 47' 69,992.03 470.10 1,902.65 6,887.34 66' and longer 73,121.20 491.01 1,987.21 7,193.26  E. Non-Tilt Deck Utility Trailers  4,745.00 25.22 109.98 430.60					
56 to 65'       67,557.81       453.84       1,836.87       6,649.37         28 to 37'; Single Axle       68,154.79       457.83       1,853.00       6,707.73         48 to 54'       68,872.74       462.62       1,872.40       6,777.92         43 to 47'       69,992.03       470.10       1,902.65       6,887.34         66' and longer       73,121.20       491.01       1,987.21       7,193.26         E. Non-Tilt Deck Utility Trailers         3 tons       4,745.00       25.22       109.98       430.60					
28 to 37'; Single Axle 68,154.79 457.83 1,853.00 6,707.73 48 to 54' 68,872.74 462.62 1,872.40 6,777.92 43 to 47' 69,992.03 470.10 1,902.65 6,887.34 66' and longer 73,121.20 491.01 1,987.21 7,193.26  E. Non-Tilt Deck Utility Trailers  3 tons 4,745.00 25.22 109.98 430.60					
48 to 54' 68,872.74 462.62 1,872.40 6,777.92 43 to 47' 69,992.03 470.10 1,902.65 6,887.34 66' and longer 73,121.20 491.01 1,987.21 7,193.26  E. Non-Tilt Deck Utility Trailers  3 tons 4,745.00 25.22 109.98 430.60					
43 to 47' 69,992.03 470.10 1,902.65 6,887.34 66' and longer 73,121.20 491.01 1,987.21 7,193.26  E. Non-Tilt Deck Utility Trailers 4,745.00 25.22 109.98 430.60					
66' and longer 73,121.20 491.01 1,987.21 7,193.26  E. Non-Tilt Deck Utility Trailers  3 tons 4,745.00 25.22 109.98 430.60					
E. Non-Tilt Deck Utility Trailers  3 tons  4,745.00  25.22  109.98  430.60					
3 tons 4,745.00 25.22 109.98 430.60	66' and longer	73,121.20	491.01	1,987.21	7,193.26
3 tons 4,745.00 25.22 109.98 430.60					
	E. Non-Tilt Deck Utility Trailers				
	3 tons	4,745.00	25.22	109.98	430.60

	Owning & Operating Rate			
	Est. Price \$	Day \$	Week \$	Month \$
6 tons	6,995.00	30.32	131.52	512.29
8 tons	9,335.00	35.62	153.91	597.25
9 tons	9,705.00	36.46	157.46	610.68
10 tons	11,770.00	41.13	177.22	685.65
12 tons	13,450.00	44.94	193.30	746.65
16 tons	14,665.00	47.69	204.93	790.76
18 tons	15,620.00	49.86	214.07	825.43
20 tons	17,285.00	53.63	230.01	885.88
F. Office Trailer Steps				
	625.00	9.06	40.97	165.86
G. Platform Trailers				
10 tons; Single Axle	1,879.99	39.46	173.61	685.41
15 tons; Tandem Axle	31,575.00	108.13	463.40	1,783.46
25 tons; Tandem Axle	33,540.00	112.69	482.66	1,856.38
H. Pole Trailers				
10 tons	12,835.57	45.44	195.00	751.32
20 tons	16,198.01	53.55	229.17	880.47
I. Semi Trailers				
2 Axle, 4 Tire, 20'	54,361.00	337.51	1,367.34	4,956.97
J. Spool Trailers				
Hydraulic Triple Spool; Trailer, Triple Spool Hydraulic	8,885.00	43.34	183.43	696.79
Triple Spool, Trailer, Triple Spool Hydraulic	0,083.00	43.34	183.43	090.79

	Owning & Operating Rate			
	Est. Price \$	Day \$	Week \$	Month \$
K. Standard Field Office Trailers				
N. Standard Fleid Office Traffers				
8' x 16'	7,020.00	18.47	80.41	314.34
8' x 20'	7,860.00	19.71	85.62	333.96
8' x 24'	9,365.00	21.94	94.96	369.10
8' x 26'	10,010.00	22.89	98.96	384.17
8' x 28'	11,885.00	25.67	110.60	427.95
8' x 32'	12,295.00	26.27	113.14	437.53
10' x 20'	4,597.61	15.32	67.15	264.08
10' x 50'	14,060.00	28.89	124.10	478.74
10' x 32'	18,425.00	35.35	151.18	580.67
12' x 56'	34,225.00	58.73	249.23	949.64
12' x 60'	28,530.00	50.30	213.89	816.65
6 x 15'	3,465.01	13.54	59.68	236.08
6 x 15'	3,465.01	13.54	59.68	236.08
8 x 20'	6,850.99	18.87	82.00	319.78
8 x 24'	7,225.17	19.46	84.46	329.04
8' x 28'	9,028.57	22.31	96.35	373.62
8' x 32'	9,572.45	23.16	99.93	387.07
8' x 36'	10,224.70	24.19	104.23	403.19
M. Tilt Deck Utility Trailers				
6 tons	12,602.00	46.19	198.57	766.65
9 tons	21,033.00	66.19	282.86	1,085.56
10 tons	22,947.00	70.73	301.99	1,157.96
12 tons	25,258.00	76.21	325.10	1,245.38
16 tons	26,745.00	79.74	339.96	1,301.62
15 tons	27,105.00	80.59	343.56	1,315.24
20 tons	32,519.00	93.43	397.69	1,520.03
25 tons	42,043.00	116.02	492.90	1,880.28

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(	Jwning &	Operating Rate	
Est. Price \$	Day \$	Week \$	Month \$

#### **SECTION 32: TRENCHERS**

#### A. Crawler Mounted Cable Plows

#### Diesel

131 hp and over	265,000.00	951 / Q	3,776.51	15 025 81
	200,000.00	051.40	3,110.31	13,023.01

#### **B. Crawler Mounted Chain Trenchers**

#### Diesel

to 39 hp; 5' Depth	20,976.00	141.86	601.15	2,287.28
76 to 130 hp; 6' Depth	99,097.00	558.19	2,360.91	8,965.45
131 hp and over; 5' Depth	359,832.00	1,700.11	7,120.06	26,761.62

#### C. Walk-Behind Chain Trenchers

#### Gasoline

to 14 hp; 2' Depth	5,716.00	57.75	245.31	935.76
15 to 19 hp; 4' Depth	12,127.00	102.07	431.21	1,635.57
20 hp and over; 7' Depth	19,670.00	150.81	635.99	2,407.75

#### **D. Wheel Mounted Cable Plows**

#### Diesel

to 39 hp; 2' Depth	40,636.00	171.87	726.81	2,759.53
to 130 hp	111,452.00	480.88	2,056.96	7,901.36

#### E. Wheel Mounted Chain Trenchers

#### Diesel

to 39 hp; 5' x 20"	25,099.00	173.51	724.04	2,711.02
40 to 59 hp; 5'6" x 24"	46,305.00	307.49	1,277.59	4,761.74
60 to 75 hp; 6' x 24"	59,094.00	370.59	1,544.57	5,775.89
76 to 130 hp	72,452.00	500.05	2,096.41	7,888.36

	Owning & Operating Rate			е
	Est. Price \$	Day \$	Week \$	Month \$
SECTION 33: VEHICLES				
A. Boats				
Gasoline				
18' Length	22,719.00	155.65	716.72	2,949.57
B. Concrete Mixer Truck				
Diesel				
5.5 yard	215,535.00	1,164.61	5,093.93	19,996.88
8 yard	219,805.00	1,177.89	5,148.79	20,199.94
C. Digger Trucks				
PTO				
6" to 36"	47,000.00	277.39	1,203.68	4,689.90
6" to 60"	50,000.00	284.97	1,234.67	4,803.39
12" to 72"	53,000.00	292.55	1,265.66	4,916.89
12" to 108"	60,000.00	310.24	1,337.97	5,181.72
12" to 132"	61,000.00	312.76	1,348.30	5,219.55
D. Guardrail Post Driver/Augers For Truck  Diesel	k Mounting			
	94,000.00	307.59	1,264.46	4,658.86
E. Line Trucks  Diesel				
1-1/2 tons; 4x4	47,745.00	285.52	1,340.47	5,609.23
2 tons; 4X2	57,815.00	314.41	1,461.16	6,061.53
2 tons; 4x4	61,315.00	321.15	1,489.20	6,166.20
2-1/2 tons; 4X2	92,636.00	306.23	1,364.11	5,448.45
2-1/2 tons; 4x4	93,415.00	307.73	1,370.35	5,471.74
2-1/2 tons; 6X4	116,976.00	398.56	1,780.93	7,133.93

	Owning & Operating Rate			e
	Est. Price \$	Day \$	Week \$	Month \$
Gasoline				
1 ton; 4X2	35,545.00	389.57	1,879.56	8,043.80
1 ton; 4x4	38,345.00	395.00	1,902.20	8,128.46
1-1/2 tons; 4X2	39,200.00	396.65	1,909.11	8,154.31
F. On-Highway Flatbed Trucks				
Diesel				
15,000 GVW; 4X2; 200 hp	45,150.00	205.84	947.64	3,899.84
20,000 GVW; 4X2; 200 hp	54,425.00	221.84	1,014.54	4,150.82
25,000 GVW; 4X2; 200 hp	79,721.25	277.03	1,242.47	4,994.83
to 30,000 GVW; 4x2, 217 hp	98,500.63	328.88	1,469.06	5,882.76
33,001 to 45,000 GVW; 6X4; 280 hp	93,275.00	346.39	1,574.14	6,404.12
33,001 to 45,000 GVW; 6X4; 380 hp	163,266.77	541.02	2,421.62	9,715.64
Gasoline				
6,000 GVW; 4X2; 180 hp	22,500.00	191.48	914.55	3,882.38
8,500 GVW; 4X2; 180 hp	28,900.00	202.61	961.19	4,057.68
8,500 GVW; 4X4; 220 hp	39,397.01	257.99	1,215.49	5,101.31
15,000 GVW; 4X2; 210 hp	39,375.00	256.99	1,210.32	5,078.62
10,000 GVW; 4X4; 220 hp	43,475.94	265.90	1,248.46	5,224.64
20,000 GVW; 4X2; 275 hp	49,300.00	321.71	1,519.92	6,394.48
25,000 GVW; 4X2; 275 hp	50,475.00	323.74	1,528.41	6,426.37
G. On-Highway Light Duty Trucks				
Diesel				
4X2; 1/2 tons; Conventional Cab Type; 160				
hp	22,944.00	120.17	549.08	2,244.66
4X2; 1/2 tons; Crew Cab Type; 160 hp	23,594.00	121.56	554.88	2,266.33
4X2; 3/4 tons; Conventional Cab Type; 160 hp	24,449.00	123.40	562.51	2,294.83
4X2; 3/4 tons; Crew Cab Type; 160 hp	26,925.00	128.71	584.62	2,377.37
4X2; 1 ton; Conventional Cab Type; 195 hp	27,027.00	140.38	642.76	2,632.56
4X2; 1 ton; Crew Cab Type; 195 hp	30,373.00	147.55	672.63	2,744.11

	Ov	vning & Op	erating Rate	)
	Est. Price \$	Day \$	Week \$	Month \$
4X2; 1.25 tons; Conventional Cab Type; 260 hp	34,588.00	177.04	814.27	3,348.06
4X2; 1.25 tons; Crew Cab Type; 260 hp	35,320.00	178.55	820.55	3,371.58
4X2; 1 ton; Conventional Cab Type; 340 hp	28,908.00	191.50	896.28	3,741.11
4X2; 1 ton; Crew Cab Type; 340 hp	32,183.00	198.25	924.41	3,846.32
4X2; 1.25 tons; Conventional Cab Type; 360 hp	36,968.00	214.65	998.21	4,143.92
4X2; 1.25 tons; Crew Cab Type; 360 hp	37,705.00	216.17	1,004.54	4,167.59
4X2; 1.5 tons; Conventional Cab Type; 310 hp	36,612.00	197.56	913.40	3,772.78
4X2; 1.5 tons; Conventional Cab Type; 360 hp	38,997.00	218.83	1,015.64	4,209.10
4X2; 1.5 tons; Crew Cab Type; 310 hp	37,766.00	199.94	923.32	3,809.85
4X2; 1.5 tons; Crew Cab Type; 360 hp	40,146.00	221.20	1,025.51	4,246.01
4X2; 1.75 tons; Conventional Cab Type; 310 hp	39,851.00	204.24	941.22	3,876.84
4X2; 1.75 tons; Conventional Cab Type; 360 hp	42,236.00	225.50	1,043.46	4,313.16
4X2; 1.75 tons; Crew Cab Type; 310 hp	41,305.00	207.24	953.71	3,923.55
4X2; 1.75 tons; Crew Cab Type; 360 hp	43,685.00	228.49	1,055.91	4,359.71
4X4; 1/2 tons; Conventional Cab Type; 160 hp	26,920.00	128.70	584.58	2,377.21
4X4; 1/2 tons; Crew Cab Type; 160 hp	27,779.00	130.54	592.25	2,405.84
4X4; 3/4 tons; Conventional Cab Type; 160 hp	27,840.00	130.67	592.79	2,407.88
4X4; 3/4 tons; Crew Cab Type; 160 hp	31,161.00	137.80	622.44	2,518.59
4X4; 1 ton; Conventional Cab Type; 195 hp	33,836.00	154.98	703.55	2,859.55
4X4; 1 ton; Crew Cab Type; 195 hp	35,798.00	159.19	721.07	2,924.96
4X4; 1.25 tons; Conventional Cab Type; 260 hp	38,900.00	185.93	851.31	3,486.58
4X4; 1.25 tons; Crew Cab Type; 260 hp	40,939.00	190.13	868.82	3,552.09
4X4; 1 ton; Conventional Cab Type; 340 hp	35,717.00	205.53	954.76	3,959.85
4X4; 1 ton; Crew Cab Type; 325 hp	38,417.00	206.19	953.43	3,938.68
4X4; 1 ton; Crew Cab Type; 340 hp	37,680.00	209.58	971.63	4,022.91
4X4; 1.25 tons; Conventional Cab Type; 360 hp	41,280.00	223.53	1,035.25	4,282.44
4X4; 1.25 tons; Crew Cab Type; 360 hp	43,319.00	227.74	1,052.76	4,347.95

	Ov	vning & Op	perating Rate	e
	Est. Price \$	Day \$	Week \$	Month \$
4X4; 1.5 tons; Conventional Cab Type; 310 hp	39,790.00	204.11	940.70	3,874.88
4X4; 1.5 tons; Conventional Cab Type; 360 hp	42,175.00	225.38	1,042.94	4,311.20
4X4; 1.5 tons; Crew Cab Type; 310 hp	40,944.00	206.49	950.61	3,911.95
4X4; 1.5 tons; Crew Cab Type; 360 hp	43,324.00	227.75	1,052.81	4,348.11
4X4; 1.75 tons; Conventional Cab Type; 310 hp	43,156.00	211.05	969.61	3,983.01
4X4; 1.75 tons; Conventional Cab Type; 360 hp	45,541.00	232.32	1,071.85	4,419.33
4X4; 1.75 tons; Crew Cab Type; 310 hp	45,694.00	216.28	991.42	4,064.55
4X4; 1.75 tons; Crew Cab Type; 360 hp	48,074.00	237.54	1,093.61	4,500.70
Gasoline				
4X2; 1/2 tons; Conventional Cab Type; 143 hp	21,030.38	136.83	630.00	2,592.61
4X2; 1/2 tons; Crew Cab Type; 143 hp	18,082.00	124.66	580.29	2,410.95
4X2; 3/4 tons; Conventional Cab Type; 165 hp	18,937.00	136.84	639.66	2,667.05
4X2; 3/4 tons; Crew Cab Type; 165 hp	24,042.00	147.80	685.24	2,837.23
4X2; 3/4 tons; Conventional Cab Type; 285 hp	29,068.00	215.97	1,017.07	4,267.38
4X2; 3/4 tons; Crew Cab Type; 285 hp	35,804.00	230.36	1,076.94	4,490.94
4X2; 1 ton; Conventional Cab Type; 234 hp	23,915.00	180.07	847.68	3,555.59
4X2; 1 ton; Crew Cab Type; 234 hp	26,940.00	186.30	873.66	3,652.77
4X2; 1.25 tons; Conventional Cab Type; 260 hp	29,066.00	202.91	953.06	3,990.05
4X2; 1.25 tons; Crew Cab Type; 260 hp	29,803.00	204.43	959.39	4,013.73
4X2; 1 ton; Conventional Cab Type; 300 hp	25,791.00	215.97	1,022.98	4,312.96
4X2; 1 ton; Crew Cab Type; 300 hp	28,822.00	222.34	1,049.49	4,412.01
4X2; 1.25 tons; Conventional Cab Type; 360 hp	31,446.00	256.06	1,213.51	5,118.49
4X2; 1.25 tons; Crew Cab Type; 360 hp	32,183.00	257.61	1,219.95	5,142.58
4X2; 1.5 tons; Conventional Cab Type; 300 hp	31,090.00	227.10	1,069.32	4,486.13
4X2; 1.5 tons; Conventional Cab Type; 362 hp	33,678.00	261.69	1,237.73	5,212.13
4X2; 1.5 tons; Crew Cab Type; 300 hp	32,249.00	229.53	1,079.45	4,524.01
4X2; 1.5 tons; Crew Cab Type; 362 hp	34,827.00	264.10	1,247.78	5,249.68

	Owning & Operating Rate			9
	Est. Price \$	Day \$	Week \$	Month \$
4X2; 1.75 tons; Conventional Cab Type; 300 hp	35,407.00	236.16	1,107.07	4,627.21
4X2; 1.75 tons; Conventional Cab Type; 362 hp	37,990.00	270.74	1,275.44	5,353.04
4X2; 1.75 tons; Crew Cab Type; 300 hp 4X2; 1.75 tons; Crew Cab Type; 362 hp	36,856.00 39,439.00	239.20 273.78	1,119.74 1,288.11	4,674.56 5,400.40
4X4; 1/2 tons; Conventional Cab Type; 191 hp	25,614.15	170.50	788.88	3,260.16
4X4; 1/2 tons; Crew Cab Type; 191 hp	22,262.00	156.20	730.48	3,046.88
4X4; 3/4 tons; Conventional Cab Type; 165 hp	25,257.00	150.40	696.08	2,877.74
4X4; 3/4 tons; Crew Cab Type; 165 hp	26,066.00	152.14	703.31	2,904.71
4X4; 3/4 tons; Conventional Cab Type; 285 hp	33,867.00	226.36	1,060.28	4,428.66
4X4; 3/4 tons; Crew Cab Type; 285 hp	39,052.00	237.10	1,105.06	4,596.08
4X4; 1 ton; Conventional Cab Type; 234 hp	28,323.00	189.15	885.54	3,697.20
4X4; 1 ton; Crew Cab Type; 234 hp	31,700.00	196.11	914.55	3,805.69
4X4; 1.25 tons; Conventional Cab Type; 260 hp	33,378.00	211.80	990.10	4,128.58
4X4; 1.25 tons; Crew Cab Type; 260 hp	35,417.00	216.00	1,007.61	4,194.08
4X4; 1 ton; Conventional Cab Type; 300 hp	30,195.00	225.22	1,061.49	4,456.88
4X4; 1 ton; Crew Cab Type; 300 hp	34,192.00	233.61	1,096.45	4,587.50
4X4; 1.25 tons; Conventional Cab Type; 360 hp	35,758.00	265.11	1,251.22	5,259.41
4X4; 1.25 tons; Crew Cab Type; 360 hp	37,792.00	269.38	1,269.00	5,325.88
4X4; 1.5 tons; Conventional Cab Type; 300 hp	34,268.00	233.77	1,097.11	4,589.99
4X4; 1.5 tons; Conventional Cab Type; 362 hp	36,851.00	268.35	1,265.48	5,315.82
4X4; 1.5 tons; Crew Cab Type; 300 hp	36,495.00	238.44	1,116.59	4,662.77
4X4; 1.5 tons; Crew Cab Type; 362 hp	39,083.00	273.03	1,285.00	5,388.76
4X4; 1.75 tons; Conventional Cab Type; 300 hp	38,712.00	243.10	1,135.97	4,735.22
4X4; 1.75 tons; Conventional Cab Type; 362 hp	41,290.00	277.67	1,304.30	5,460.89
4X4; 1.75 tons; Crew Cab Type; 300 hp	40,161.00	246.14	1,148.65	4,782.57
4X4; 1.75 tons; Crew Cab Type; 362 hp	42,750.00	280.73	1,317.06	5,508.60

	Owning & Operating Rate			е
	Est. Price \$	Day \$	Week \$	Month \$
H. On-Highway Rear Dumps				
Diesel	04.540.00	000.05	4 000 40	<b>5</b> 000 <b>5</b> 0
4 cubic yard	64,542.30	303.35	1,386.48	5,669.56
6 cubic yard	72,955.10	319.81	1,454.98	5,925.32
7 to 8 cubic yard; 4X2	88,822.80	379.71	1,720.05	6,977.68
7 to 8 cubic yard; 4X4	91,209.90	384.30	1,739.13	7,048.94
4X2; 1 ton; Conventional Cab Type; 195 hp	27,027.00	140.38	642.76	2,632.56
4X2; 1 ton; Crew Cab Type; 195 hp	30,373.00	147.55	672.63	2,744.11
Gasoline				
4 cubic yard	57,524.50	379.05	1,779.01	7,443.17
6 cubic yard	58,660.10	397.73	1,870.56	7,839.86
5 cubic yard	85,697.00	473.68	2,187.36	9,024.35
I. On-Highway Truck Tractors				
Diesel				
5 tons; 4X2	79,795.00	328.31	1,475.03	5,938.17
15 tons; 4X2	77,250.00	327.92	1,489.61	6,058.14
10 tons; 4X2	104,104.00	380.71	1,692.99	6,751.40
10 tons; 4X4	104,104.00	389.98	1,737.26	6,939.20
20 tons; 4X4	104,104.00	389.98	1,737.26	6,939.20
6X6	107,061.00	416.23	1,851.88	7,388.45
15 tons; 4X4	146,269.00	565.90	2,543.63	10,244.49
20 tons; 4X2	156,471.00	581.70	2,603.18	10,442.05
15 tons; 6X4	146,269.00	585.99	2,632.61	10,597.90
20 tons; 6X4	156,471.00	640.33	2,867.59	11,510.14
25 tons; 6X4	156,471.00	640.33	2,867.59	11,510.14
30 tons; 6X4	156,471.00	645.25	2,892.02	11,617.21
Gasoline				
15 tons; 4X2	45,350.00	368.58	1,749.14	7,386.08
10 tons; 4X2	46,500.00	388.40	1,846.44	7,808.21
10 10113, 7/12	+0,000.00	555.40	1,040.44	1,000.21

	Owning & Operating Rate			e
	Est. Price \$	Day \$	Week \$	Month \$
J. Sedans				
Gasoline				
Compact/Subcompact	15,395.00	112.36	519.34	2,144.46
Standard, Compact	20,025.00	139.09	643.42	2,658.56
Midsize	33,090.00	239.88	1,120.23	4,666.68
Fullsize	30,755.00	257.73	1,214.35	5,096.85
. 4.15.25	33,733.33		.,	0,000.00
K. Stake-Bed Trucks				
Diesel				
1-1/2 tons	52,140.00	303.49	1,415.69	5,891.81
2 tons	88,827.00	298.90	1,333.60	5,334.54
2-1/2 tons	111,859.00	343.23	1,518.12	6,023.33
5 tons	119,136.00	374.37	1,656.67	6,576.09
L. Station Wagons				
Gasoline				
Compact	29,900.00	185.12	853.07	3,513.14
Standard	40,950.00	235.41	1,081.58	4,442.58
M. Tailgate Trucks				
Diesel				
2 tons	87,965.00	345.92	1,548.28	6,211.49
2 toris	67,905.00	343.92	1,040.20	0,211.49
N. Track Carrier Attachments				
Hydraulic				
Hydraulic Boom	44,954.80	133.50	559.27	2,102.69
РТО				
Telescoping Derrick	105,100.00	424.18	1,803.84	6,887.96
1 0				

	Owning & Operating Rate			9
	Est. Price \$	Day \$	Week \$	Month \$
O. Truck Add-Ons				
Electric				
A-Frame and Winch	1,599.00	19.07	83.97	331.76
Liftgate	1,885.00	11.06	50.11	203.22
P. Trucks, Platform Or Stake				
Diesel				
Class 3	47,583.00	205.31	939.67	3,846.56
Class 4	55,109.00	236.35	1,075.22	4,377.88
Class 5	99,252.00	321.32	1,428.87	5,698.00
Class 6	153,082.00	440.44	1,937.67	7,649.06
Gasoline				
Class 3	43,923.00	252.13	1,178.90	4,916.17
Q. Utility Vehicles				
Gasoline				
John Deere Gator	11,449.00	56.24	246.95	973.07
Golf Cart, 4x2	11,750.00	56.55	247.86	974.98
Golf Cart, 4x4	12,485.00	58.33	255.24	1,002.40
10,000 GVW; 4x4 ; 2 Passenger	13,651.00	74.27	332.54	1,334.53
R. Vacuum Excavators				
Diesel				
Truck Mounted; Vacuum only	205,250.00	562.12	2,370.24	8,972.27
S. Vacuum Trailers				
Diesel				
Trailer Mounted	69,014.00	267.78	1,143.94	4,388.31
	,			

	Owning & Operating Rate			9
	Est. Price \$	Day \$	Week \$	Month \$
T. Vans				
Gasoline				
8,000 GVW; 4x2; 8'	31,540.00	226.71	1,057.64	4,401.95
9,000 GVW; 4x2; 10'	34,440.00	233.74	1,086.76	4,510.12
9,300 GVW; 4X2; 12'	41,390.00	250.58	1,156.54	4,769.36
U. Vehicle Attachments				
Diesel				
Earth Auger	2,668.00	71.22	327.09	1,343.25
Hydraulic				
Winch	1,948.80	49.76	207.99	779.79
Hydraulic Boom	44,954.80	133.50	559.27	2,102.69
PTO				
Telescoping Derrick	47,000.00	277.39	1,203.68	4,689.90

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Ο	wning & O	perating Rate	
Est. Price \$	Day \$	Week \$	Month \$

# **SECTION 34: WELDING EQUIPMENT**

# A. Computerized Plasma Cutting Systems

#### **Electric**

	55,150.00	127.06	558.11	2,200.38
B. Plasma Arc Cutters				
Electric				
1/8"	1,104.00	9.28	43.74	183.68
1/4"	1,277.74	9.80	45.92	191.90
3/8"	2,152.90	12.41	56.91	233.28
1/2"	2,342.55	12.98	59.29	242.24
1"	2,818.64	14.40	65.26	264.75

# C. Portable Plasma Cutting Systems

#### **Electric**

10 amp; 5/32" Cutting Capacity	1,702.00	9.56	45.50	192.53
15 amp; 1/8" Cutting Capacity	1,802.00	9.70	46.06	194.58
20 amp; 1/4" Cutting Capacity	1,902.00	9.84	46.63	196.62
30 amp; 3/8" Cutting Capacity	2,923.00	11.28	52.41	217.47
50 amp; 1/2"-"5/8" Cutting Capacity	3,400.00	11.95	55.12	227.21

#### D. Portable Welders

#### Diesel

225 amp; AC/DC-CC/CV; Skid Mounting	13,974.00	34.72	149.65	579.27
225 amp; AC/DC-CC/CV; Trailer Mounting	11,768.79	38.29	169.96	676.64
300 amp; AC/DC-CC/CV; Skid Mounting	12,527.48	39.62	175.36	696.20
300 amp; AC/DC-CC/CV; Trailer Mounting	14,044.86	42.29	186.17	735.34
300 amp; DC-CC/CV; Skid Mounted	13,791.97	41.85	184.37	728.81
300 amp; DC-CC/CV; Trailer Mounted	15,309.35	44.51	195.17	767.95
300 amp; DC-CC; Skid Mounted	14,297.76	42.74	187.97	741.86
300 amp; DC-CC; Trailer Mounted	15,815.14	45.40	198.77	780.99
350 amp; AC/DC-CC/CV; Skid Mounting	16,817.56	57.23	254.64	1,016.02

	Owning & Operating Rate			Э
	Est. Price \$	Day \$	Week \$	Month \$
050 AO/DO 00/OV/- Trailer Massatina	10.040.47	50.00	005.04	4.050.40
350 amp; AC/DC-CC/CV; Trailer Mounting	18,343.47	59.99	265.81	1,056.46
400 amp; DC-CC/CV; Skid Mounting	18,089.15	59.53	263.95	1,049.72
400 amp; DC-CC/CV; Trailer Mounting	19,360.74	61.83	273.26	1,083.42
400 amp; DC-CC; Skid Mounted	18,597.79	60.45	267.68	1,063.20
400 amp; DC-CC; Trailer Mounted	19,869.38	62.75	276.98	1,096.90
500 amp; DC-CC/CV; Skid Mounted	20,601.32	68.46	303.61	1,207.70
500 amp; DC-CC/CV; Trailer Mounted	22,183.44	71.36	315.36	1,250.23
500 amp; DC-CC; Skid Mounted	19,546.58	66.52	295.78	1,179.35
500 amp; DC-CC; Trailer Mounted	21,128.70	69.43	307.53	1,221.88
600 amp; DC-CC/CV; Skid Mounting	28,079.61	81.84	356.23	1,391.92
600 amp; DC-CC/CV; Trailer Mounting	29,615.13	84.67	367.69	1,433.39
Gasoline				
125 amp; AC; Skid Mounted	3,531.00	18.84	86.62	355.96
125 amp; DC-CC; Skid Mounted	3,284.00	18.37	84.70	349.02
140 amp; AC; Skid Mounted	3,547.00	18.04	82.58	338.17
140 amp; DC-CC; Skid Mounted	3,560.00	19.71	90.91	374.69
180 amp; DC-CC; Skid Mounted	4,317.00	23.39	108.12	446.59
200 amp; DC-CC; Skid Mounted	12,343.00	64.16	298.88	1,242.55
200 amp; DC-CC; Trailer Mounted	14,197.30	47.60	211.57	843.30
200 amp; Heli-Arc Welder	389.99	22.40	109.55	473.96
225 amp; AC/DC-CC/CV; Skid Mounting	5,699.28	35.84	167.37	697.29
225 amp; AC/DC-CC/CV; Trailer Mounting	6,963.76	38.17	176.80	731.43
250 amp; AC/DC-CC/CV; Skid Mounted	6,936.00	33.50	154.13	633.94
250 amp; AC/DC-CC/CV; Trailer Mounted	8,986.93	41.90	191.89	786.05
250 amp; DC-CC/CV; Skid Mounted	5,952.17	36.30	169.26	704.12
250 amp; DC-CC/CV; Trailer Mounted	7,469.55	39.10	180.57	745.09
350 amp; DC-CC/CV; Skid Mounted	13,977.00	72.11	335.52	1,393.44
350 amp; DC-CC/CV; Trailer Mounted	14,803.55	52.62	235.28	943.08
E. Spot Welders				
Electric				
1-1/2 KVA; 1/8" Weld, Pedestal Mount, Air Cooled	2,266.71	12.75	58.33	238.66
1-1/2 KVA; 1/8" Weld, Portable, Air Cooled	1,937.01	11.77	54.20	223.07

5/8"

#### **EXHIBIT B**

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	Owning & Operating Rate			Э	
	Est. Price \$	Day \$	Week \$	Month \$	
1-1/2 KVA; Pedestal Mtd.; 1/8"; Air Cooled	2,390.35	13.12	59.89	244.50	
1-1/2 KVA; Portable; 1/8"; Air Cooled	2,060.65	11.87	54.65	224.92	
2.5 KVA; 3/16" Weld, Portable, Air Cooled	4,675.00	22.35	100.51	405.12	
2.5 KVA; Pedestal Mtd; 3/16"; Air Cooled	1,560.00	10.64	49.46	205.24	
2.5 KVA; Portable; 3/16"; Air Cooled	2,143.08	12.38	56.78	232.81	
10 KVA; 3/16" Weld, Portable (Pneumatic), Water Cooled	8,435.54	33.59	147.72	582.93	
10 KVA; 3/16" Weld, Portable, Water Cooled	8,435.54	33.59	147.72	582.93	
10 KVA; 3/16" Weld, Stationary (Pneumatic), Water Cooled	3,745.00	19.56	88.84	361.15	
10 KVA; 3/16" Weld, Stationary, Water Cooled	4,881.00	22.96	103.09	414.86	
10 KVA; Portable (Pneumatic); 3/16"; Water Cooled	8,024.05	32.36	142.56	563.48	
10 KVA; Portable; 3/16"; Water Cooled	5,966.60	26.21	116.73	466.19	
10 KVA; Stationary (Pneumatic); 3/16"; Water Cooled	8,435.54	33.59	147.72	582.93	
10 KVA; Stationary; 3/16"; Water Cooled	2,715.83	16.49	75.92	312.48	
20 KVA; Portable (Pneumatic); 1/4"; Water Cooled	3,780.00	19.67	89.28	362.80	
20 KVA; Portable; 3/16", Water Cooled	4,833.00	22.82	102.49	412.59	
20 KVA; Stationary (Pneumatic); 1/4"; Water Cooled	4,153.00	20.78	93.96	380.44	
20 KVA; Stationary; 1/4"; Water Cooled	4,945.00	23.15	103.90	417.89	
F. Stud Welders					
Electric E/46"	F 200 00	22.00	120.00	E40 47	
5/16" 3/8"	5,299.88 6,839.33	33.93 40.63	139.06 166.13	510.47 608.27	
1/2"; Drawn Arc, Single Phase	9,856.40	53.76	219.17	799.94	
1/2"; Drawn Arc, Three Phase	9,965.40	54.23	219.17	806.87	
7/2 , Diawii / No, Till Co i Hago	4.4.000.40	J-1.20	221.00	1.101.05	

1,121.65

14,920.20

75.79

308.20

	Owning & Operating Rate			Э
	Est. Price \$	Day \$	Week \$	Month \$
G. Welder Power Sources				
Electric				
90 amp; DC-CV; MIG Package Process	773.16	4.95	21.87	86.64
100 amp; DC-CC Inverter; TIG, Stick Process	1,689.08	7.53	32.35	124.82
100 amp; DC-CC; TIG, Stick Process	1,122.23	5.93	25.86	101.19
130 amp; DC-CV; MIG Package Process	950.30	5.45	23.89	94.03
150 amp; AC/DC-CC; TIG, Stick Process	1,858.93	8.01	34.29	131.90
150 amp; DC-CC Inverter; TIG, Stick Process	2,413.27	9.57	40.64	155.01
160 amp; DC-CV; MIG Package Process	1,694.29	7.54	32.41	125.04
200 amp; DC-CC Inverter; TIG, Stick Process	4,290.96	14.85	62.13	233.27
200 amp; DC-CV; MIG Package Process	2,437.24	9.63	40.91	156.01
201 to 300 amp; DC Inverter; MIG Package Process	8,230.76	26.06	108.70	406.76
225 amp; AC/DC-CC; Stick, TIG Process	613.74	5.40	24.58	100.16
225 amp; AC; Stick Process	401.17	4.82	22.23	91.60
250 amp; AC/DC-CC; Stick Process	1,811.00	8.65	37.80	148.35
250 amp; AC/DC-CC; TIG, Stick Process	3,086.40	12.11	51.88	199.69
250 amp; DC-CC/CV; Multiple Process	4,182.59	15.08	63.99	243.81
275 amp; DC-CC; Stick, TIG Process	2,389.31	10.22	44.19	171.63
300 amp; AC/DC-CC Inverter; TIG, Stick Process	5,502.80	18.66	78.57	296.95
300 amp; DC-CC/CV; Multiple Process	4,088.81	14.83	62.96	240.04
300 amp; DC-CC; Stick Process	3,309.39	12.71	54.35	208.66
300 amp; DC-CV; MIG Process	2,685.23	11.02	47.45	183.54
350 amp; AC/DC-CC; TIG, Stick Process	4,872.39	17.67	75.20	287.35
400 amp; DC-CC/CV; Multiple Process	4,416.00	16.43	70.15	268.98
400 amp; DC-CC; Stick, TIG Process	3,626.16	14.29	61.43	237.19
400 amp; DC-CV; MIG Process	3,567.81	14.13	60.79	234.84
450 amp; DC-CC/CV; Multiple Process	5,791.44	20.39	86.24	327.54
500 amp; DC-CC; Stick, TIG Process	3,868.95	15.38	65.86	253.19
501 to 600 amp; Multiple; DC-CC/CV	4,262.82	16.41	70.03	268.43
501 to 600 amp; Stick, TIG; DC-CC	4,155.50	16.13	68.90	264.28
600 amp; DC-CC/CV; Multiple Process	18,908.10	55.72	231.28	861.10
600 amp; DC-CC; Multiple Process	12,230.00	38.34	160.48	602.83

	Owning & Operating Rate			
	Est. Price \$	Day \$	Week \$	Month \$
650 amp; DC-CC/CV; Multiple Process	4,386.82	17.93	77.32	299.52
650 amp; DC-CV; MIG Process	4,325.34	17.77	76.67	297.14
1,000 amp; DC-CC/CV; Multiple Process	7,857.72	26.42	111.97	426.06
1,200 amp; AC-CC/CV; Multiple Process	13,781.50	41.43	173.15	649.36
1,500 amp; DC-CC/CV; Multiple Process	14,182.70	42.45	177.30	664.48
2,400 amp; DC-CC; Multiple Process	25,964.60	72.31	298.98	1,108.60
H. Welder/Generators				
Electric				
250 amp; AC/DC, with Power Source, Gun, 50' Ground and 100' Lead Cables	5,761.78	21.19	88.76	333.49
300 amp	7,529.99	26.55	110.53	412.68
400 amp	18,016.00	59.05	243.26	898.07
600 amp	36,089.00	109.81	449.80	1,650.22
. Welding Accessories  12 cal/cm² Arc-flash Kit	661.43			
40 cal/cm² Arc-flash Kit		1.83	7 31	26.00
40 Gallotti 7 (10 Habit 14)		1.83 3.71	7.31 14.86	26.09 53.07
Allegro 9902-CV High Pressure SAR Mask	1,345.44	3.71	14.86	53.07
Allegro 9902-CV High Pressure SAR Mask Arc-rated Face Shield				
	1,345.44 317.43	3.71 0.88	14.86 3.51	53.07 12.52
Arc-rated Face Shield Arc-rated Personal Protective Clothing -	1,345.44 317.43 234.34	3.71 0.88 0.65	14.86 3.51 2.59	53.07 12.52 9.24
Arc-rated Face Shield Arc-rated Personal Protective Clothing - Daily Wear	1,345.44 317.43 234.34 601.00	3.71 0.88 0.65 1.66	14.86 3.51 2.59 6.64	53.07 12.52 9.24 23.71
Arc-rated Face Shield Arc-rated Personal Protective Clothing - Daily Wear Fuseal Unit FU-100	1,345.44 317.43 234.34 601.00 6,445.79	3.71 0.88 0.65 1.66 17.80	14.86 3.51 2.59 6.64 71.19	53.07 12.52 9.24 23.71 254.25
Arc-rated Face Shield Arc-rated Personal Protective Clothing - Daily Wear Fuseal Unit FU-100 Insto outfits, less tanks	1,345.44 317.43 234.34 601.00 6,445.79 426.30	3.71 0.88 0.65 1.66 17.80 1.18	14.86 3.51 2.59 6.64 71.19 4.71	53.07 12.52 9.24 23.71 254.25 16.81
Arc-rated Face Shield Arc-rated Personal Protective Clothing - Daily Wear Fuseal Unit FU-100 Insto outfits, less tanks Oxy-acetylene Protective Gloves	1,345.44 317.43 234.34 601.00 6,445.79 426.30 31.70	3.71 0.88 0.65 1.66 17.80 1.18 0.09	14.86 3.51 2.59 6.64 71.19 4.71 0.35	53.07 12.52 9.24 23.71 254.25 16.81 1.25
Arc-rated Face Shield Arc-rated Personal Protective Clothing - Daily Wear Fuseal Unit FU-100 Insto outfits, less tanks Oxy-acetylene Protective Gloves Oxy-acetylene Protective Hood	1,345.44 317.43 234.34 601.00 6,445.79 426.30 31.70 48.23	3.71 0.88 0.65 1.66 17.80 1.18 0.09 0.13	14.86 3.51 2.59 6.64 71.19 4.71 0.35 0.53	53.07 12.52 9.24 23.71 254.25 16.81 1.25 1.90
Arc-rated Face Shield Arc-rated Personal Protective Clothing - Daily Wear Fuseal Unit FU-100 Insto outfits, less tanks Oxy-acetylene Protective Gloves Oxy-acetylene Protective Hood Oxy-acetylene Protective Outfit	1,345.44 317.43 234.34 601.00 6,445.79 426.30 31.70 48.23 465.11	3.71 0.88 0.65 1.66 17.80 1.18 0.09 0.13 1.28	14.86 3.51 2.59 6.64 71.19 4.71 0.35 0.53 5.14	53.07 12.52 9.24 23.71 254.25 16.81 1.25 1.90 18.35
Arc-rated Face Shield  Arc-rated Personal Protective Clothing - Daily Wear  Fuseal Unit FU-100  Insto outfits, less tanks Oxy-acetylene Protective Gloves Oxy-acetylene Protective Hood Oxy-acetylene Protective Outfit Prestolite torch Outfits (Less Tanks)	1,345.44 317.43 234.34 601.00 6,445.79 426.30 31.70 48.23 465.11 497.95	3.71 0.88 0.65 1.66 17.80 1.18 0.09 0.13 1.28 1.37	14.86 3.51 2.59 6.64 71.19 4.71 0.35 0.53 5.14 5.50	53.07 12.52 9.24 23.71 254.25 16.81 1.25 1.90 18.35 19.64
Arc-rated Face Shield  Arc-rated Personal Protective Clothing - Daily Wear  Fuseal Unit FU-100  Insto outfits, less tanks  Oxy-acetylene Protective Gloves  Oxy-acetylene Protective Hood  Oxy-acetylene Protective Outfit  Prestolite torch Outfits (Less Tanks)  Welding Blanket  Welding Cable, 50' length  Welding Helmet	1,345.44 317.43 234.34 601.00 6,445.79 426.30 31.70 48.23 465.11 497.95 106.78	3.71 0.88 0.65 1.66 17.80 1.18 0.09 0.13 1.28 1.37 0.29	14.86 3.51 2.59 6.64 71.19 4.71 0.35 0.53 5.14 5.50 1.18	53.07 12.52 9.24 23.71 254.25 16.81 1.25 1.90 18.35 19.64 4.21
Arc-rated Face Shield Arc-rated Personal Protective Clothing - Daily Wear Fuseal Unit FU-100 Insto outfits, less tanks Oxy-acetylene Protective Gloves Oxy-acetylene Protective Hood Oxy-acetylene Protective Outfit Prestolite torch Outfits (Less Tanks) Welding Blanket Welding Cable, 50' length	1,345.44 317.43 234.34 601.00 6,445.79 426.30 31.70 48.23 465.11 497.95 106.78 126.05	3.71 0.88 0.65 1.66 17.80 1.18 0.09 0.13 1.28 1.37 0.29 0.35	14.86 3.51 2.59 6.64 71.19 4.71 0.35 0.53 5.14 5.50 1.18 1.39	53.07 12.52 9.24 23.71 254.25 16.81 1.25 1.90 18.35 19.64 4.21 4.97

	Owning & Operating Rate			
	Est. Price \$	Day \$	Week \$	Month \$
J. Welding Cylinders				
10 cu. ft.; 250 psig Service Pressure; 4" Outside Diameter	163.04	1.24	5.04	18.32
20 cu. ft.; 2015 psig Service Pressure; 4" Outside Diameter	70.45	2.96	13.06	51.70
33 cu. ft.; 2015 psig Service Pressure; 6" Outside Diameter	84.53	3.06	13.44	53.07
35 cu. ft.; 250 psig Service Pressure; 6" Outside Diameter	70.45	2.96	13.06	51.70
70 cu. ft.; 250 psig Service Pressure; 7" Outside Diameter	98.62	3.15	13.82	54.45
70 cu. ft.; 260 psig Service Pressure; 15" Outside Diameter	112.71	3.24	14.21	55.83
77 cu. ft.; 2015 psig Service Pressure; 7" Outside Diameter	126.80	3.34	14.59	57.20
125 cu. ft.; 250 psig Service Pressure; 8" Outside Diameter	126.80	3.34	14.59	57.20
144 cu. ft.; 480 psig Service Pressure; 15" Outside Diameter	140.89	3.43	14.97	58.58
144 cu. ft.; 2015 psig Service Pressure; 8" Outside Diameter	154.98	3.53	15.35	59.96
211 cu. ft.; 2015 psig Service Pressure; 9" Outside Diameter	183.16	3.71	16.11	62.71
238 cu. ft.; 2265 psig Service Pressure; 9" Outside Diameter	183.16	3.71	16.11	62.71
285 cu. ft.; 2400 psig Service Pressure; 9" Outside Diameter	197.25	3.81	16.49	64.09
K. Welding Positioners				
Electric to 250 lbs	0.000.00	0.07	20.20	145.70
to 250 lbs	2,296.00	9.07	38.36	145.70
to 500 lbs to 1,100 lbs	1,980.00 4,780.00	8.02 17.32	34.07 72.11	129.99 269.19
to 11,000 lbs	35,095.00	118.09	483.94	1,776.25
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	Owning & Operating Rate			
	Est. Price \$	Day \$	Week \$	Month \$
L. Welding Screens				
L. Welding Gereens				
OH I V ON A O	040.50	4.04	0.54	00.74
6'H X 6'W; Canvas	218.50	1.61	6.54	23.74
6'H X 8'W; Canvas	236.90	1.74	7.04	25.54
6'H X 6'W; Transparent Vinyl	236.95	1.74	7.04	25.54
6'H X 8'W; Transparent Vinyl	258.70	1.88	7.63	27.67
M. Welding Transformer/Rectifiers				
Electric				
250 amp	949.99	6.61	29.50	118.00
300 amp	5,026.00	18.96	79.70	300.54
400 amp	8,639.00	30.63	127.78	478.13
500 amp	10,150.00	34.70	144.36	538.56
600 amp	10,591.00	35.98	149.55	557.46
N. Welding Vises				
Tr. Welding Vioco				
04	470.44	0.07	0.07	40.00
Straight	178.11	0.87	3.97	16.20
Elbow	214.90 254.41	0.95 1.04	4.30	17.38
Angle			4.65	18.64
Flange	463.01	1.50	6.50	25.30
O. Wire Feeders				
Gasoline				
140 amp; Semi-Automatic with Wire Drive				
and Control, Drive Roll and Guide Tube,	889.24	23.31	113.24	487.32
Wire Reel, and Input Cable				

# MCAA | NECA | SMACNA TOOL AND EQUIPMENT RENTAL GUIDE

Owning	&	Operating	Rate
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Est. Price \$ Day \$ Week \$ Month \$

#### **SECTION 35: WIRE AND CABLE INSTALLATION TOOLS**

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Λ	$\mathbf{C}_{2}$	h	En	0	ers

#### **Electric**

Tray Feeder, Motorized	5,385.60	22.73	98.76	385.29
	9,030.62	34.87	149.43	574.87

#### B. Cable Puller

#### **Electric**

6,000 lbs and over; Heavy	10,873.20	41.01	175.04	670.71

#### Manual

to 6,000 lbs; with Reel Winder	3,048.69	9.69	40.03	148.24
Heavy	5,154.54	16.05	66.03	243.38

# C. Cable Pulling Grips

# Hydraulic

2" to 6"; Mesh	135.36	4.78	19.90	74.21
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#### Manual

3/4" to 1"; Mesh	105.67	0.56	2.51	10.02
1" to 1-1/4"; Mesh	108.31	0.57	2.54	10.13
1-1/4" to 1-1/2"; Mesh	112.01	0.58	2.59	10.30
1-1/2" to 2"; Mesh	112.70	0.59	2.60	10.33
2" to 2-1/2"; Mesh	135.36	0.66	2.88	11.35
2-1/2" to 3"; Mesh	396.87	1.46	6.13	23.12

#### D. Cable Spinners

61.75	0.57	2.31	8.41

	Owning & Operating Rate			
	Est. Price \$	Day \$	Week \$	Month \$
E. CO2 Cylinders				
5 lbs	71.80	0.63	2.58	9.40
20 lbs	147.50	1.09	4.37	15.60
50 lbs	356.40	2.53	10.27	37.22
00.150	000110			01122
E CO2 Fishing System Kits				
F. CO2 Fishing System Kits  Electric				
Power House System, 50 lb capacity	2,131.80	13.43	55.58	206.20
G. Enclosed Cable Guides				
	281.40	2.03	8.24	29.89
H. Fiberglass Duct Rods				
1/4"; On Reel, 500'	1,212.44	3.73	15.09	54.57
I. Hot Sticks				
4'	262.74	1.91	7.74	28.06
6'	307.53	2.21	8.95	32.44
J. Nylon Ropes				
1/4" X 600'	89.99	0.75	3.07	11.17
1/4" X 1200'	52.00	0.50	2.04	7.46
1/4" X 2400'	104.00	0.85	3.45	12.54
3/8" X 600'	53.00	0.51	2.07	7.56
1/2" X 600'	99.95	0.82	3.34	12.15
1/2" X 2400'	104.00	0.85	3.45	12.54
5/8" X 600'	125.00	0.99	4.02	14.60

	Owning & Operating Rate			
	Est. Price \$	Day \$	Week \$	Month \$
K. Payout Reels And Stands				
T. Fayout Roots And Stands				
1 Reel; Adjustable Height	813.56	2.94	12.43	47.27
3 Reel; 99" Height	1,050.00	3.65	15.35	57.95
4 Reel; 123" Height	1,225.00	6.12	27.21	108.52
6 Reel; 144" Height	1,472.46	6.87	30.29	119.82
o resi, i i i rioigin	1,172.10	0.01	00.20	110.02
I Bil Bil				
L. Poly Rope				
1/4" X 100'	19.33	0.28	1.16	4.27
3/8" X 100'	13.32	0.24	1.00	3.68
1/2" X 100'	38.19	0.41	1.67	6.11
3/4" X 100'	46.34	0.46	1.89	6.91
M. Reel Cart				
6 Reel	461.99	3.80	17.71	73.68
N. Reel Jacks				
THE PROOF GUIDNO				
FG": Saraw Type, 2 F00 lb Canacity	277.75	1.32	5.82	23.07
56"; Screw Type, 2,500 lb Capacity 96"; Screw Type, 2,500 lb Capacity	365.52	1.58	6.90	27.03
72"; Crank Type, 3,000 lb Capacity	813.56	2.94	12.43	47.27
90"; Ratchet-Drive, 3,750 lb Capacity	1,066.89	3.70	15.56	58.72
90 , Natchet-Drive, 3,730 ib Capacity	1,000.09	3.70	13.30	30.72
O. Reel Lift				
3,000 lb.	922.45	3.27	13.78	52.19
6,000 lb.	1,278.32	4.34	18.17	68.27

	Owning & Operating Rate			
	Est. Price \$	Day \$	Week \$	Month \$
P. Reel Spindle				
2-1/2"	370.75	2.63	10.66	38.62
3"	1,177.06	8.02	32.45	117.45
Q. Reel Stand And Rollers				
	000.00	4.40	0.47	05.40
	330.08	1.48	6.47	25.43
B. Chotaun Sticks				
R. Shotgun Sticks				
	411.40	2.90	11.76	42.60
	711.70	2.50	11.70	42.00
S. Stringing Blocks				
Various Types	120.00	0.96	3.88	14.11
T. Vacuum Fishing System				
Electric				
	1,005.77	7.09	30.01	113.95
U. Wire Benders				
Electric				
2"	510.00	1.67	6.78	24.61
V. Wire Puller, Light				
D 1 (1)	000.00	4 ==	7.10	05.77
Rotating Eye Style	239.30	1.75	7.10	25.77







# **TOOL AND EQUIPMENT RENTAL GUIDE**

# Appendix I Regional Rate Adjustment Table

State	Adjustment	State	Adjustment
Alabama	0.889	Montana	0.972
Alaska - North	1.394	Nebraska	0.996
Alaska - Central	1.205	Nevada	1.015
Alaska - South	1.289	New Hampshire	1.118
Arizona	0.954	New Jersey	1.043
Arkansas	0.887	New Mexico	0.9
California - South	0.98	New York	1.14
California - North	0.969	North Carolina	0.909
Colorado	1.099	North Dakota	1.126
Connecticut	1.081	Ohio	0.971
Delaware	0.938	Oklahoma	0.91
District of Columbia	1.119	Oregon	0.954
Florida	0.925	Pennsylvania	1.016
Georgia	0.91	Rhode Island	1.035
Hawaii	0.926	South Carolina	0.91
Idaho	1.207	South Dakota	1.035
Illinois	1.007	Tennessee	0.923
Indiana	0.975	Texas	0.933
lowa	1.014	Utah	0.95
Kansas	0.966	Vermont	1.156
Kentucky	0.909	Virginia	0.967
Louisiana	0.891	Washington	1.076
Maine	1.116	West Virginia	0.922
Maryland	1.019	Wisconsin	1.056
Massachusetts	1.122	Wyoming	1.088
Michigan	1.079		
Minnesota	1.134		
Mississippi	0.883		
Missouri	0.93		







#### **TOOL AND EQUIPMENT RENTAL GUIDE**

# Appendix II Typical Small Tools

These items are a definite item of cost on a job, and it is the usual practice in our industry to charge these items to the cost of a job on the basis of a set percentage of all field labor cost. Some of these items also appear in the Tool and Equipment Rental Guide.

(Field labor cost includes payroll taxes and insurance and fringes.)

Adjustable Wrenches Packing Irons

Asbestos Blankets Picks

Axes Pipe Markers

Bars (Claw, Crow, Pinch, Wrecking) Pliers
Boring Machines (Hand) Ratchets

Braces Rollers

Brooms Saws (Hand)
Bull Points Screwdrivers
Cable Grips Shackles
Calipers Shovels
Carpenter Levels Sledges

Caulking Irons Slings (Rope)

Clamps (Carpenters, Jewel, Welding, Cable)

Snips

Dial Thermometer

Squares

Dolly (Wood and Metal)

Flashlights

Gas Buggies

Test Plugs (Hand)

Test Pumps (Hand)

Test Pumps (Hand)

Hammers (All Types) Tapes (Steel)
Horses (Mason) Trowels

Johnson Bars Tubs (Mortar & Line)
Lanterns Welding Shields

Mauls Oil Cans

While this list is by no means complete, it is intended to give a representative cross section of the type of items which may be classified as "Small Tools."







#### TOOL AND EQUIPMENT RENTAL GUIDE

# **Appendix III Typical Expendable Items**

It is the general practice of our industry to charge these items at cost to a job as a part of the material cost of the job, or as items of direct job expense.

**Abrasive Cutoff Discs** 

Acetylene

Argon Brushes (Paint, Wire, Fitting)

Chisels

Cleaning Fluids Clean-out Plugs

**Cut-off Discs** Cutting Oil & Paste Cutting & Welding Tips

Drill Bits (Diamond & Steel)

**Emery Cloth** 

**Emery Wheels** Files

Flux

Foul Weather Gear

Gloves, Soapstone

Goggles

**Grinding Wheels** Hacksaw Blades

Hole Saw Kerosene Marking Crayons

Material Charge Tickets

Naphthalene Office Supplies

Other Abrasives

Other Drill Bits Other Fuels

Other Inert Shield Gases Other Inert Test Gases

Other Lubricants

Other Printed Forms Other Solvents

Oxygen

Paint Brushes Paste Brushes

Pipe Cutter Wheels

Pipe Dies

Pipe Joint Compounds

Propane Rod Dies

Sand Cloth

Sand Paper

Saw Blades

Soap Solvents

Solder

Star Drills

Time Charge Tickets

Tip, Cutting

Tip Cleaners

Tip, Welding **Tool Handles** 

**Tungsten Tips** 

Twist Drills

Welding Hood Lens

Welding Rods

Wiping Cloths & Rags

Wire Brushes

While this list is by no means complete, it is intended to give a representative cross section of the type of items which may be classified as "Expendable Items."







#### **TOOL AND EQUIPMENT RENTAL GUIDE**

# Appendix IV How to Adjust for Fuel Rate Increases That May Occur After the Publication of the Tool & Equipment Rental Guide

During the production of the Tool and Equipment Rental Guide in September of 2021, operating costs were calculated using a price of \$2.97 per gallon for gasoline and \$3.27 per gallon for diesel. Because each equipment category, and even each size class within an equipment category has its own unique fuel consumption factor, it is not possible to give one single percentage of the fuel allocation in each of the Rental Guide rates.

As a tool to aid users in adjusting these rates to account for increases in the cost of gasoline and diesel fuel, we have prepared the following table to indicate approximately what percent of the total Tool and Equipment Rental Guide rates accounts for fuel.

To adjust the rate to account for a different fuel cost, first determine the percent increase of your current fuel costs over the cost we used producing the rate.

For example, if your current cost of diesel fuel is \$4.91 per gallon, then 4.91/3.27 = 1.50, a 50% increase.

Next, multiply this percentage by the percentage indicated on the chart.

For example, the average percentage for Portable Rotary Screw Air Compressors is 35.9%. Therefore,  $.359 \times .50 = .3125$ , or 31.25%. This is the amount to increase the published rate to reflect a fuel cost of \$4.91 per gallon.

Please note: The average fuel percentages are an average over all models and sizes in an entire equipment type. The percentage for a particular piece of equipment may lie anywhere within the range. In many cases, the minimum range reflects the cost for diesel machines, and the maximum range reflects the cost for a gaspowered machine. You are therefore encouraged to take size, model, and type of fuel into account when making your adjustments.

Equipment Type	Minimum	Maximum	Average	Diesel: \$3.27	Gas: \$2.97
All Terrain Hydraulic Cranes—Single Engine	14.5%	16.8%	15.7%		
Bare Industrial Tractors	20.7%	25.8%	23.3%		
Boats	52.4%	52.4%	52.4%		
Chain Saws	9.1%	17.1%	11.9%		
Concrete Mixer Truck	25.8%	26.0%	25.9%		
Concrete Saws	24.9%	38.7%	30.7%		
Crawler Mounted Cable Plows	32.6%	32.6%	32.6%		
Crawler Mounted Chain Trenchers	10.4%	16.7%	13.8%		
Crawler Mounted Lattice Boom Cranes	3.1%	7.6%	4.6%		
Cut-Off/Chop Saws	10.8%	13.6%	12.6%		
Diaphragm Pumps	3.4%	5.9%	4.3%		
Guardrail Post Driver/Augers For Truck Mounting	12.2%	12.2%	12.2%		
Hand Held Rammers	6.6%	6.7%	6.6%		
Hand Held Vibratory Plate Compactors	3.0%	18.9%	9.1%		
Heavy Duty Centrifugal Pumps	3.8%	26.6%	13.7%		
Hydraulic Pumps (Power Units)	10.7%	15.3%	13.0%		
Hydraulic Yard Cranes	7.0%	12.9%	9.3%		
I.C. Cushion Tire Lift Trucks	18.5%	27.5%	23.6%		
I.C. Pneumatic Tire Lift Trucks	14.2%	33.8%	23.9%		
I.C. Self Propelled Scissor Lifts	5.0%	14.0%	7.7%		
I.C. Self Propelled Telescopic Boom Aerial Lifts	3.7%	5.0%	4.3%		
I.C. Self-Propelled Articulating Boom Aerial Lifts	4.1%	11.3%	6.5%		
Insulated Bucket Trucks	18.0%	37.1%	28.2%		
Large Generator Sets	30.6%	66.7%	53.3%		
Leaf Blowers	64.2%	64.2%	64.2%		
Lgp Crawler Dozers	5.9%	12.1%	8.0%		
Lgp Crawler Loaders	7.0%	15.9%	13.0%		

Equipment Type	Minimum	Maximum	Average	Diesel: \$3.27	Gas: \$2.97
Line Trucks	14.5%	16.8%	15.7%		
Manhole Ventilation Blower	20.7%	25.8%	23.3%		
On-Highway Flatbed Trucks	52.4%	52.4%	52.4%		
On-Highway Light Duty Trucks	9.1%	17.1%	11.9%		
On-Highway Rear Dumps	25.8%	26.0%	25.9%		
On-Highway Truck Tractors	24.9%	38.7%	30.7%		
Paving Breakers	32.6%	32.6%	32.6%		
Portable Earth Augers	10.4%	16.7%	13.8%		
Portable Light Towers	3.1%	7.6%	4.6%		
Portable Reciprocating Air Compressors	10.8%	13.6%	12.6%		
Portable Rotary Screw Air Compressors	3.4%	5.9%	4.3%		
Portable Welders	12.2%	12.2%	12.2%		
Post Drivers	6.6%	6.7%	6.6%		
Pressure Washers Cold	3.0%	18.9%	9.1%		
Pressure Washers Cold	3.8%	26.6%	13.7%		
Pressure Washers Hot	10.7%	15.3%	13.0%		
Rough Terrain Hydraulic Cranes	7.0%	12.9%	9.3%		
Sedans	18.5%	27.5%	23.6%		
Self Priming Trash Pumps	14.2%	33.8%	23.9%		
Single Pullers	5.0%	14.0%	7.7%		
Skid Steer Loaders	3.7%	5.0%	4.3%		
Small Generator Sets	4.1%	11.3%	6.5%		
Sprayers	18.0%	37.1%	28.2%		
Stake-Bed Trucks	30.6%	66.7%	53.3%		
Standard Crawler Dozers	64.2%	64.2%	64.2%		
Standard Crawler Loaders	5.9%	12.1%	8.0%		
Station Wagons	7.0%	15.9%	13.0%		
Straight Mast Rough Terrain Lift Trucks	10.8%	24.2%	17.7%		
Tailgate Trucks	37.8%	37.8%	37.8%		

Equipment Type	Minimum	Maximum	Average	Diesel: \$3.27	Gas: \$2.97
Telescoping Boom Rough Terrain Lift Trucks	7.3%	12.4%	9.1%		
Test Pumps	0.5%	0.5%	0.5%		
Track Carrier	13.2%	13.2%	13.2%		
Tractor-Loader-Backhoes	5.8%	17.6%	11.2%		
Tractor-Loaders	10.7%	14.4%	12.3%		
Trailer Mounted Arrow Boards	8.4%	13.6%	11.0%		
Truck Mounted Hydraulic Cranes—Single Engine	15.5%	24.2%	19.0%		
Truck Mounted Lattice Boom Cranes	6.7%	10.3%	9.3%		
Trucks, Platform Or Stake	29.2%	59.5%	43.1%		
Utility Vehicles	18.9%	33.8%	23.1%		
Vacuum Excavators	7.7%	7.7%	7.7%		
Vacuum Trailers	10.4%	10.4%	10.4%		
Vans	55.2%	59.8%	57.8%		
Vehicle Attachments	47.8%	47.8%	47.8%		
Walk-Behind Chain Trenchers	14.4%	15.4%	14.8%		
Wheel Mounted Cable Plows	11.3%	11.8%	11.6%		
Wheel Mounted Chain Trenchers	8.8%	10.0%	9.6%		
Wheel Tractors	8.2%	20.6%	13.5%		
Wire Feeders	67.1%	67.1%	67.1%		







# **TOOL AND EQUIPMENT RENTAL GUIDE**

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Vibratory Plate Compactors				
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Walk-Behind Chain Trenchers				

Docusign Envelope ID: 652EF747-B797-4156-A3EE-298FDD6CCDCA

ISBN: 978-1-944148-35-5 Education Index # 5065-21 5C/12-21

**EXHIBIT B** 





1385 Piccard Dr. Rockville, MD 20850 tel 301-869-5800 mcaa.org



1201 Pennsylvania Ave. NW, Suite 1200 Washington, DC 20004 tel 202-991-6300 necanet.org



4201 Lafayette Center Dr. Chantilly, VA 20151-1219 tel 703-803-2980 smacna.org

# EXHIBIT C GENERAL SERVICES ON-CALL CONTRACT WORK ORDER FORM



Work Order Title & Description:

Administered by:

Department of General Services Contracts Office

**Contractor Name:** 

201 W. Colfax Ave., Dept. 1110

Denver, CO 80202

GScontracts@denvergov.org

Agency Requester: Con	ntract No.:			
Agency: Wo	rkday Contract No.:			
Requester Phone # and Email:				
Fund/Cost Center/Spend Category/PRJ/Program:				
Send Invoices To (email):	Emergency Auth. Code: *As applicable			
It is hereby mutually agreed that when this <b>WORK ORD</b> described scope of work shall be executed by the <b>CONTRA</b> stipulated and agreed.		_		
The sum, as indicated in the attached scope of work, constitute to the Contractor for this Work Order and the Contractor of any kind whatsoever for further monies, extensions of the Contract.	nereby agrees to make no further claims, demand	ds, or requests		
<b>THE CONTRACTOR AGREES</b> to furnish all services, material, labor and perform all work/tasks required to complete the scope of work described and any changes in accordance with requirements for similar work covered by the Work Order, except as otherwise stipulated herein, for the following considerations:				
The Lump Sum of (\$XX.XX):				
Work Order Completion Date*:  *Form will not be accepted without a completion date.  Liquidated Damage:				
Accepted for Contractor By:	Contractor Email:			
Contractor Signature:	Title: Date:			
USING AGENCY I hereby certify that funds are available that will be reserved to pay the Contractor in full for the work to be	APPROVALS			
performed under this <b>WORK ORDER</b> .	Approved by Requestor,	Date		
By Using Agency – Administrative or Budget Office Date	Approved by Division Director	Date		

DISTRIBUTION: Auditor, Contract Administration, General Services Contract Compliance Technician, DSBO, and Contractor.

#### **EXHIBIT D**

#### GENERAL SERVICES ON-CALL CONTRACT WORK ORDER CHANGE FORM



Administered by:

Department of General Services Contracts Office

Denver, CO 80202

GScontracts@denvergov.org

Work Order Title:	
Contractor Name: Or	n-Call Contract No.:
Supplier ID No.:	orkday PO No.:
Agency: Ag	gency Requestor:
Fund/Cost Center/Spend Category:	
It is hereby mutually agreed that when this <b>WORK ORD</b> following described changes shall be executed by the <b>CON</b>	<b>ER CHANGE</b> has been signed by the contracting parties, the <b>TRACTOR</b> without changing the terms of the Contract.
Modifications to the Work Order described in the attachdated and attached as Exhibit A.	ed narrative and summarized in the attached scope of work
	al, labor and perform all work/tasks required to complete the with requirements for similar work covered by the Work Order owing considerations:
Add/subtract from the Work Order the sum of:	(\$XX.XX)
Work Order Revised Completion Date:	
Accepted for Contractor By:	Contractor Signature:
Title:	Date:
WORKDAY PO NO.: CHANGE REQUEST SUMMARY Original Work Order Amount: \$ Original Work Order Duration: Original Work Order Completion Date:	USING AGENCY I hereby certify that funds are available that will be reserved to pay the Contractor in full for the work to be performed under this WORK ORDER CHANGE.
This Work Order Change (+/-):	By Using Agency – Administrative or Budget Office Date
New Work Order Total:	APPROVALS
Adjust the Work Order Completion Date by: calendar days  New Work Order Completion Date:	Approved by Requestor, Date
	Approved by Division Director Date

NOTE: No persons shall authorize or perform any of the above until the Work Order Change has all signatures and has been distributed alongside a Notice to Proceed

DISTRIBUTION: Auditor, Contract Administration, General Services Contract Compliance Technician, DSBO, and Contractor.

#### **EXHIBIT E**

# CITY AND COUNTY OF DENVER DEPARTMENT OF GENERAL SERVICES

#### PERFORMANCE AND PAYMENT BOND

KNOW ALL MEN BY THESE PRESENTS, that we, the undersigned	,
a corporation organized and existing under and by virtue of the laws of the State of	,
hereafter referred to as the "Contractor", and	, a corporation
organized and existing under and by virtue of the laws of the State of	_, and authorized
to transact business in the State of Colorado, as Surety, are held and firmly bound unto	the CITY AND
COUNTY OF DENVER, a municipal corporation of the State of Colorado, hereinafter ref	erred to as the
"City", in the penal sum of Twenty-five Thousand Dollars (\$25,000.00), lawful money o	of the United
States of America, for the payment of which sum, well and truly to be made, we bind oursely	ves and our heirs,
executors, administrators, successors and assigns, jointly and severally, firmly by these pro-	esents;
THE CONDITION OF THE FOREGOING OBLIGATION IS SUCH THAT:	
WHEREAS, the above bounden Contractor has on theday of	. 2024, entered
into a written contract with the aforesaid City for furnishing all labor and tools, su	pplies, equipment,
superintendence, materials and everything necessary for and required to do, perform	
construction of CONTRACT NO. GENRL-202475608, [On-Call Plumbing S	
Colorado, and has bound itself to complete the project within the time or times specified	
damages, all as designated, defined and described in the said Contract and Condition	
accordance with the Plans and Technical Specifications therefore, a copy of said Contract	being made a part
hereof:	

NOW, THEREFORE, if the said Contractor shall and will, in all particulars well and truly and faithfully observe, perform and abide by each and every Covenant, Condition and part of said Contract, and the Conditions, Technical Specifications, Plans, and other Contract Documents thereto attached, or by reference made a part thereof and any alterations in and additions thereto, according to the true intent and meaning in such case, then this obligation shall be and become null and void; otherwise, it shall remain in full force and effect;

PROVIDED FURTHER, that if the said Contractor shall satisfy all claims and demands incurred by the Contractor in the performance of said Contract, and shall fully indemnify and save harmless the City from all damages, claims, demands, expense and charge of every kind (including claims of patent infringement) arising from any act, omission, or neglect of said Contractor, its agents, or employees with relation to said work; and shall fully reimburse and repay to the City all costs, damages, and expenses which it may incur in making good any default based upon the failure of the Contractor to fulfill its obligation to furnish maintenance, repairs or replacements for the full guarantee period provided in the Contract Documents, then this obligation shall be null and void; otherwise it shall remain in full force and effect;

PROVIDED FURTHER, that if said Contractor shall at all times promptly make payments of all amounts lawfully due to all persons supplying or furnishing it or its subcontractors with labor and materials, rental machinery, tools or equipment used or performed in the prosecution of work provided for in the above Contract and that if the Contractor will indemnify and save harmless the City for the extent of any and all payments in connection with the carrying out of such Contract, then this obligation shall be null and void; otherwise it shall remain in full force and effect;

PROVIDED FURTHER, that if the said Contractor fails to duly pay for any labor, materials, team hire, sustenance, provisions, provender, gasoline, lubricating oils, fuel oils, grease, coal, or any other supplies or materials used or consumed by said Contractor or its subcontractors in performance of the work 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 prosecution of the work, the Surety will pay the same in any amount not exceeding the amount of this obligation, together with interest as provided by law;

#### **EXHIBIT E**

PROVIDED FURTHER, that the said Surety, for value received, hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the Contract, or to contracts with others in connection with this project, or the work to be performed thereunder, or the Technical Specifications and Plans accompanying the same, shall in any way affect its obligation on this bond and it does hereby waive notice of any change, extension of time, alteration or addition to the terms of the Contract, or contracts, or to the work, or to the Technical Specifications and Plans.

IN WITNESS WHEREOF, said Contractor and saidday of	
	Contractor
Attest:	By:President
ecretary	_
	Surety
	By:Attorney-In-Fact
Accompany this bond with Attorney-in-Fact's authonclude the date of the bond).	ority from the Surety to execute bond, certified to
APPROVED AS TO FORM: Attorney for the City and County of Denver	APPROVED FOR THE CITY AND COUNTY OF DENVER
By: Assistant City Attorney	By:  Michael C. Johnston  MAYOR
	By: Al Gardner EXECUTIVE DIRECTOR OF GENERAL SERVICES

# City and County of Denver



201 West Colfax Avenue, #705 • Denver, Colorado 80202 (720) 913-5000 • Fax (720) 913-5253 • denvergov.org/auditor

**TO:** All Users of the City and County of Denver Prevailing Wage Schedules

FROM: Luis Osorio Jimenez, Prevailing Wage Administrator

**DATE:** May 21, 2024

**SUBJECT:** Latest Change to Prevailing Wage Schedules

The effective date for this publication will be, **Friday, May 17, 2024,** and applies to the City and County of Denver for **Building CONSTRUCTION PROJECTS** (does not include residential construction consisting of single family homes and apartments up to and including 4 stories) in accordance with the Denver Revised Municipal Code, Section 20-76(c).

General Wage Decision No. CO20240020 Superseded General Decision No. CO20230020 Modification No. 2 Publication Date: 5/17/2024 (9 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 (DOL). The employer and the individual apprentice must be registered in a program which has received prior approval by the DOL. 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.

Attachments as listed above.

In accordance to the amendment of Section 20-76, Division 3, Article IV, Chapter 20 of the Denver Revised Municipal Code enacted on Aug 21<sup>st</sup>, 2023, the Prevailing Wage Administrator is authorized to approve and adjust all Davis Bacon classifications under \$18.29 to comply with the city's minimum wage.

"General Decision Number: C020240020 05/17/2024

Superseded General Decision Number: CO20230020

State: Colorado

Construction Type: Building

County: Denver County in Colorado.

BUILDING CONSTRUCTION PROJECTS (does not include single family

homes or apartments up to and including 4 stories).

Note: Contracts subject to the Davis-Bacon Act are generally

required to pay at least the applicable minimum wage rate required under Executive Order 14026 or Executive Order 13658.

Please note that these Executive Orders apply to covered contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but do not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(1).

```
determination, if it is
                                 higher) for all hours
                                 spent performing on the
                              I contract in 2024.
| If the contract was awarded on | . Executive Order 13658
or between January 1, 2015 and generally applies to the
|January 29, 2022, and the | contract.
|contract is not renewed or |. The contractor must pay
|extended on or after January | covered workers at least
|30, 2022:
                                 $18.29 per hour (or the
                                 applicable wage rate
listed
                              | on this wage
determination,
                              | if it is higher) for all
                              | hours spent performing on
                              that contract in 2024.
```

The applicable Executive Order minimum wage rate will be adjusted annually. If this contract is covered by one of the Executive Orders and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must still submit a conformance request.

Additional information on contractor requirements and worker

protections under the Executive Orders is available at http://www.dol.gov/whd/govcontracts.

Modification Number Publication Date

nodification Number F	01/05/2024 02/23/2024 05/17/2024	
ASBE0028-002 01/01/2024		
	Rates	Fringes
ASBESTOS WORKER/HEAT & FRINSULATOR - MECHANICAL (Description) Pipe & Mechanical System Insulation)	Ouct,	16.47
 CARP0055-002 05/01/2023		
	Rates	Fringes
CARPENTER (Drywall Hangin		12.59
 CARP1607-001 06/01/2023		
	Rates	Fringes
MILLWRIGHT	\$ 41.19	16.74
 ELEC0068-012 06/01/2023		
	Rates	Fringes
ELECTRICIAN (Includes Low Voltage Wiring)		18.38
 ELEV0025-001 01/01/2024		

	Rates	Fringes
ELEVATOR MECHANIC	.\$ 54.20	37.89
FOOTNOTE:  a.Vacation: 6%/under 5 years & for  all hours worked. 8%/over 5 y hourly  rate for all hours worked.  b. PAID HOLIDAYS: New Year's Independence  Day; Labor Day; Veterans' Day; Friday  after Thanksgiving Day; and Ch	Day; Memorial Thanksgiving	regular Day;
ENGI0009-017 05/01/2023		
POWER EQUIPMENT OPERATOR (Crane)  141 tons and over	.\$ 34.77 .\$ 35.07	Fringes  14.25 14.25 14.25 14.25
IRON0024-009 11/01/2023		
	Rates	Fringes
IRONWORKER, ORNAMENTAL	.\$ 55.25	3.65
 IRON0024-010 11/01/2023		
	Rates	Fringes
IRONWORKER, STRUCTURAL	.\$ 55.25	3.65

PAIN0079-006 08/01/2022

	Rates	Fringes
PAINTER (Brush, Roller and Spray; Excludes Drywall Finishing/Taping)	\$ 25.11	10.95
PAIN0079-007 08/01/2022		
	Rates	Fringes
DRYWALL FINISHER/TAPER		10.95
 PAIN0419-001 06/01/2022		
	Rates	Fringes
SOFT FLOOR LAYER (Vinyl and Carpet)	\$ 18.25	14.33
 PAIN0930-002 07/01/2023		
	Rates	Fringes
GLAZIER	\$ 33.51	12.65
PLUM0003-009 06/01/2023		
	Rates	Fringes
PLUMBER (Excludes HVAC Duct, Pipe and Unit Installation)	\$ 42.98	19.77
PLUM0208-008 06/01/2023		
	Rates	Fringes
PIPEFITTER (Includes HVAC		3

Pipe and Unit Installation; Excludes HVAC Duct Installation)	\$ 41.50	21.90
 * SFC00669-002 04/01/2024		
	Rates	Fringes
SPRINKLER FITTER (Fire Sprinklers)	\$ 45.44	26.98
 SHEE0009-004 07/01/2023		
	Rates	Fringes
SHEET METAL WORKER (Includes HVAC Duct Installation; Excludes HVAC Pipe and Unit Installation)	\$ 38.47	20.83
 * SUCO2013-006 07/31/2015		
	Rates	Fringes
BRICKLAYER	\$ 21.96	0.00
CARPENTER (Acoustical Ceiling Installation Only)	\$ 22.40	4.85
CARPENTER (Metal Stud Installation Only)	\$ 18.29	0.00
CARPENTER, Excludes Acoustical Ceiling Installation, Drywall Hanging, and Metal Stud		
Installation	\$ 21.09	6.31
CEMENT MASON/CONCRETE FINISHER	\$ 20.09	7.03
LABORER: Common or General	\$ 18.29 **	5.22

LABORER: Mason Tender - Brick\$ 18.29 **	0.00
LABORER: Mason Tender - Cement/Concrete\$ 18.29 **	0.00
LABORER: Pipelayer\$ 18.29 **	3.68
OPERATOR: Backhoe/Excavator/Trackhoe\$ 20.78	5.78
OPERATOR: Bobcat/Skid Steer/Skid Loader\$ 19.10	3.89
OPERATOR: Grader/Blade\$ 21.50	0.00
ROOFER\$ 18.29 **	0.00
TRUCK DRIVER: Dump Truck\$ 18.29	0.00
WATERPROOFER\$ 18.29 **	0.00

----

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

Office of Prevailing Wage

### Administrator Supplemental Rates (Specific to the Denver projects) Revision Date: 01-01-2024

Classification		Base	Fringe
Boilermaker		\$30.97	\$21.45
Iron Worker, Reinforcing		\$55.25	\$3.65
Laborer: Concrete Saw		\$18.29	-
Paper Hanger		\$20.15	\$6.91
Plasterer		\$24.60	\$12.11
Plaster Tender		\$18.29	-
Power Equipment Operator	Concrete Mixer - Less than 1 yd	\$23.67	\$10.67
	Concrete Mixer - 1 yd and over	\$23.82	\$10.68
	Drillers	\$23.97	\$10.70
	Loader - up to and incl 6 cu yd	\$23.67	\$10.67
	Loaders - over 6 cu yd	\$23.82	\$10.68
	Mechanic	\$18.48	-
	Motor Grader	\$23.97	\$10.70
	Oilers	\$22.97	\$10.70
	Roller	\$23.67	\$10.67
Truck Driver	Flatbed	\$19.14	\$10.07
	Semi	\$19.48	\$10.11
Waterproofer		\$18.29	\$0.00

Go to <a href="www.denvergov.org/Auditor">www.denvergov.org/Auditor</a> to view the Prevailing Wage Clarification Document for a list of mplete classifications used.

EXHIBIT G BRACOPLU

## ACORD... CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 8/23/2024

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer any rights to the certificate holder in lieu of such endorsement(s).

and commonic accounts and regime to an commonic metals	o o. o o				
PRODUCER	CONTACT NAME:				
USI Insurance Services, LLC	PHONE (A/C, No, Ext): 800 873-8500 FAX	( C, No):			
4600 S. Ulster Street, Suite 1200	E-MAIL ADDRESS: DEN.Contractors@usi.com				
Denver, CO 80237	INSURER(S) AFFORDING COVERAGE	NAIC #			
800 873-8500	INSURER A : Zurich American Insurance Company	16535			
INSURED	INSURER B: Travelers Property Cas. Co. of America	25674			
Braconier Plumbing & Heating Co., Inc.	INSURER C:				
4925 Nome St.	INSURER D:				
Denver, CO 80239-1208	INSURER E:				
	INSURER F:				

COVERAGES CERTIFICATE NUMBER: REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR		TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMIT	S
Α	X	COMMERCIAL GENERAL LIABILITY	Х	Х	GLO437879713	03/01/2024	03/01/2025	EACH OCCURRENCE	\$1,000,000
		CLAIMS-MADE X OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence)	\$100,000
								MED EXP (Any one person)	\$10,000
								PERSONAL & ADV INJURY	\$1,000,000
	GEN	I'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE	\$2,000,000
		POLICY X PRO- JECT LOC						PRODUCTS - COMP/OP AGG	\$2,000,000
		OTHER:							\$
Α	AUT	OMOBILE LIABILITY	X	X	BAP437879813	03/01/2024	03/01/2025	COMBINED SINGLE LIMIT (Ea accident)	\$1,000,000
	X	ANY AUTO						BODILY INJURY (Per person)	\$
		OWNED SCHEDULED AUTOS ONLY						BODILY INJURY (Per accident)	\$
	X	HIRED AUTOS ONLY X NON-OWNED AUTOS ONLY						PROPERTY DAMAGE (Per accident)	\$
									\$
В	X	UMBRELLA LIAB X OCCUR	Х	Х	CUP0T41925423NF	03/01/2024	03/01/2025	EACH OCCURRENCE	\$9,000,000
		EXCESS LIAB CLAIMS-MADE						AGGREGATE	\$9,000,000
		DED X RETENTION \$10000							\$
Α		RKERS COMPENSATION EMPLOYERS' LIABILITY		X	WC437880813	03/01/2024	03/01/2025	X PER STATUTE OTH-	
	ANY	PROPRIETOR/PARTNER/EXECUTIVE N	N/A					E.L. EACH ACCIDENT	\$1,000,000
	(Mai	ndatory in NH)	147.4					E.L. DISEASE - EA EMPLOYEE	\$1,000,000
	If yes	s, describe under CRIPTION OF OPERATIONS below						E.L. DISEASE - POLICY LIMIT	\$1,000,000

The General Liability and Automobile Liability policies include an automatic Additional Insured endorsement that provides Additional Insured status to City and County of Denver, its Elected and Appointed Officials, Employees, and Volunteers only when there is a written contract that requires such status, and only with regard to work performed by or on behalf of the named insured. The General Liability and Automobile Liability policies contain a special endorsement with Primary and Noncontributory wording, when required by (See Attached Descriptions)

CERTIFICATE HOLDER	CANCELLATION
City and County of Denver Department of General Services 201 W. Colfax Avenue, Dept. 1110	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
Denver, CO 80202	AUTHORIZED REPRESENTATIVE
1	<b>Less</b>

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**∟**XHIBIT G

**BRACOPLU** 

ACORD  ■ EVIDENCE OF PROPERTY INSURANCE					
THIS EVIDENCE OF PROPERTY INSURANCE IS ISSUED AS A MATTER OF ADDITIONAL INTEREST NAMED BELOW. THIS EVIDENCE DOES NOT AFT COVERAGE AFFORDED BY THE POLICIES BELOW. THIS EVIDENCE OF ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER,	FIRMATIVELY OR NEGATINSURANCE DOES NOT ( AND THE ADDITIONAL I	TIVELY AMEND, E CONSTITUTE A CO	XTEND OR AL	TER THE	
AGENCY PHONE (A/C, No, Ext): 800 873-8500	COMPANY				
USI Insurance Services, LLC	Travelers Indemnity Compa	any			
4600 S. Ulster Street, Suite 1200					
Denver, CO 80237	., TX				
FAX (A/C, No): E-MAIL ADDRESS: DEN.Contractors@usi.com					
CODE: SUB CODE:					
AGENCY CUSTOMER ID #: 1085638					
INSURED Braconier Plumbing & Heating Co., Inc.	LOAN NUMBER		POLICY NUMBER		
4925 Nome St.			QT6608C436	6913TIA24	
Denver, CO 80239-1208	EFFECTIVE DATE	EXPIRATION DATE	CONT	NUED UNTIL	
,	03/01/24	03/01/25		NATED IF CHECKED	
	THIS REPLACES PRIOR EVIDE	NCE DATED:			
PROPERTY INFORMATION	I.				
LOCATION/DESCRIPTION					
Various Projects for the City and County of Denver					
THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO TO NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY EVIDENCE OF PROPERTY INSURANCE MAY BE ISSUED OR MAY PERTAIN SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH	CONTRACT OR OTHER E N, THE INSURANCE AFFO POLICIES. LIMITS SHOW	OOCUMENT WITH ORDED BY THE PO 'N MAY HAVE BEE	RESPECT TO \ DLICIES DESCR	WHICH THIS RIBED HEREIN IS	
COVERAGE INFORMATION PERILS INSURED BASIC	BROAD SPECIAL		NT OF INCUE AND	DEDUCTION F	
COVERAGE/PERILS/FORMS		AMOU	NT OF INSURANCE		
Installation Floater, Special Form		See	Below	\$1,000	
REMARKS (Including Special Conditions)					
CANCELLATION					
SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.	BEFORE THE EXPIRATI	ON DATE THERE	OF, NOTICE WI	LL BE	
ADDITIONAL INTEREST					
NAME AND ADDRESS	ADDITIONAL INSURED	LENDER'S LOSS PA	YABLE	LOSS PAYEE	
City and County of Denver	MORTGAGEE			L	
Department of General Services	LOAN#				
201 W. Colfax Ave, Dept 1110					
Denver, CO 80202	AUTHORIZED REPRESENTATIV	/E			

ACORD 27 (2016/03) 1 of 1

S 1409725

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Marks of ACORD QXCBC

Sold Barrel



One Tower Square, Hartford, Connecticut 06183

COMMERCIAL INLAND MARINE
COVERAGE PART DECLARATIONS

POLICY NUMBER: QT-660-8C436913-TIA-24

**ISSUE DATE: 11-27-23** 

INSURING COMPANY: THE TRAVELERS INDEMNITY COMPANY OF AMERICA

**DECLARATIONS PERIOD**: From 03-01-24to 03-01-2512:01 A.M. Standard Time at your mailing address shown on the Common Policy Declarations.

The Commercial Inland Marine Coverage Part consists of these Declarations, the Commercial Inland Marine Conditions Form and the Coverage Form shown below.

#### **INSTALLATION COVERAGE FORM**

A. Coverage  Covered Property consists of the following indicated by an 'X':  X Property usual to your business Property described in the Covered Property Supplemental Declarations  B. Limits Of Insurance The most we will pay for Covered Property:  Limit Of Insurance  a. At each Job Site Location: b. At each Off-Site Fabrication Location: C. At each Temporary Storage Location: d. At All Covered Locations Combined: e. In Transit: The applicable Limit of Insurance shown in a. through e. above applies unless a more specifications are in this policy.  II. DEDUCTIBLE Deductible applying to Covered Property unless a more specific Deductible for the covered loss the applicable Supplemental Declarations or elsewhere in this policy:  1,000  III. COINSURANCE AND VALUATION A. The following Coinsurance Percentage applies when indicated by an 'X':  100% 90% 80% No Coinsurance Percentage Applies	
Covered Property consists of the following indicated by an 'X':    X   Property usual to your business     Property described in the Covered Property Supplemental Declarations   Limit Of Insurance	
■ Property usual to your business ■ Property described in the Covered Property Supplemental Declarations  B. Limits Of Insurance The most we will pay for Covered Property:  Limit Of Insurance  a. At each Job Site Location:  b. At each Off-Site Fabrication Location:  C. At each Temporary Storage Location:  d. At All Covered Locations Combined:  e. In Transit:  \$ 500,000  e. In Transit:  \$ 500,000  The applicable Limit of Insurance shown in a. through e. above applies unless a more specific Insurance is shown in the applicable Supplemental Declarations or elsewhere in this policy.  II. DEDUCTIBLE  Deductible applying to Covered Property unless a more specific Deductible for the covered loss the applicable Supplemental Declarations or elsewhere in this policy:  1,000  III. COINSURANCE AND VALUATION  A. The following Coinsurance Percentage applies when indicated by an 'X':	
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<ul> <li>c. At each Temporary Storage Location: \$500,000</li> <li>d. At All Covered Locations Combined: \$1,000,000</li> <li>e. In Transit: \$500,000</li> <li>The applicable Limit of Insurance shown in a. through e. above applies unless a more specifical insurance is shown in the applicable Supplemental Declarations or elsewhere in this policy.</li> <li>II. DEDUCTIBLE  Deductible applying to Covered Property unless a more specific Deductible for the covered loss the applicable Supplemental Declarations or elsewhere in this policy: 1,000</li> <li>III. COINSURANCE AND VALUATION</li> <li>A. The following Coinsurance Percentage applies when indicated by an 'X':</li> </ul>	
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100% 90% 80% X No Coinsurance Percentage Applies	
B. The following Valuation applies when indicated by an 'X':	
Replacement Cost X Actual Cash Value	
IV. PREMIUM	
The following Premium option applies when indicated by an 'X':	
A. X Non Reporting	
Total Term Premium: \$ 3,850	
B. Annual Premium Adjustment	
The following premium adjustment provisions apply when indicated by an 'X' and are subject and conditions of the applicable Premium Adjustment Endorsement:	to the terms
Premium Adjustment – Single Rate	
1. Adjustment Provisions:	

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PRODUCER: USI INS SERVICES LLC

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OFFICE: DENVER

# EXHIBIT H, FEDERAL BUREAU OF INVESTIGATION CRIMINAL JUSTICE INFORMATION SERVICES SECURITY ADDENDUM

# Legal Authority for and Purpose and Genesis of the Security Addendum

Traditionally, law enforcement and other criminal justice agencies have been responsible for the confidentiality of their information. Accordingly, until mid-1999, the Code of Federal Regulations Title 28, Part 20, subpart C, and the National Crime Information Center (NCIC) policy paper approved December 6, 1982, required that the management and exchange of criminal justice information be performed by a criminal justice agency or, in certain circumstances, by a noncriminal justice agency under the management control of a criminal justice agency.

In light of the increasing desire of governmental agencies to contract with private entities to perform administration of criminal justice functions, the FBI sought and obtained approval from the United States Department of Justice (DOJ) to permit such privatization of traditional law enforcement functions under certain controlled circumstances. In the Federal Register of May 10, 1999, the FBI published a Notice of Proposed Rulemaking, announcing as follows:

1. Access to CHRI [Criminal History Record Information] and Related Information, Subject to Appropriate Controls, by a Private Contractor Pursuant to a Specific Agreement with an Authorized Governmental Agency To Perform an Administration of Criminal Justice Function (Privatization). Section 534 of title 28 of the United States Code authorizes the Attorney General to exchange identification, criminal identification, crime, and other records for the official use of authorized officials of the federal government, the states, cities, and penal and other institutions. This statute also provides, however, that such exchanges are subject to cancellation if dissemination is made outside the receiving departments or related agencies. Agencies authorized access to CHRI traditionally have been hesitant to disclose that information, even in furtherance of authorized criminal justice functions, to anyone other than actual agency employees lest such disclosure be viewed as unauthorized. In recent years, however, governmental agencies seeking greater efficiency and economy have become increasingly interested in obtaining support services for the administration of criminal justice from the private sector. With the concurrence of the FBI's Criminal Justice Information Services (CJIS) Advisory Policy Board, the DOJ has concluded that disclosures to private persons and entities providing support services for criminal justice agencies may, when subject to appropriate controls, properly be viewed as permissible disclosures for purposes of compliance with 28 U.S.C. 534.

We are therefore proposing to revise 28 CFR 20.33(a)(7) to provide express authority for such arrangements. The proposed authority is similar to the authority that already exists in 28 CFR 20.21(b)(3) for state and local CHRI systems. Provision of CHRI under this authority would only be permitted pursuant to a specific agreement with an authorized governmental agency for the purpose of providing services for the administration of criminal justice. The agreement would be required to incorporate a security addendum approved by the Director of the FBI (acting for the Attorney General). The security

addendum would specifically authorize access to CHRI, limit the use of the information to the specific purposes for which it is being provided, ensure the security and confidentiality of the information consistent with applicable laws and regulations, provide for sanctions, and contain such other provisions as the Director of the FBI (acting for the Attorney General) may require. The security addendum, buttressed by ongoing audit programs of both the FBI and the sponsoring governmental agency, will provide an appropriate balance between the benefits of privatization, protection of individual privacy interests, and preservation of the security of the FBI's CHRI systems.

The FBI will develop a security addendum to be made available to interested governmental agencies. We anticipate that the security addendum will include physical and personnel security constraints historically required by NCIC security practices and other programmatic requirements, together with personal integrity and electronic security provisions comparable to those in NCIC User Agreements between the FBI and criminal justice agencies, and in existing Management Control Agreements between criminal justice agencies and noncriminal justice governmental entities. The security addendum will make clear that access to CHRI will be limited to those officers and employees of the private contractor or its subcontractor who require the information to properly perform services for the sponsoring governmental agency, and that the service provider may not access, modify, use, or disseminate such information for inconsistent or unauthorized purposes.

Consistent with such intent, Title 28 of the Code of Federal Regulations (C.F.R.) was amended to read:

- § 20.33 Dissemination of criminal history record information.
- a) Criminal history record information contained in the Interstate Identification Index (III) System and the Fingerprint Identification Records System (FIRS) may be made available:
  - 1) To criminal justice agencies for criminal justice purposes, which purposes include the screening of employees or applicants for employment hired by criminal justice agencies.
  - 2) To noncriminal justice governmental agencies performing criminal justice dispatching functions or data processing/information services for criminal justice agencies; and
  - 3) To private contractors pursuant to a specific agreement with an agency identified in paragraphs (a)(1) or (a)(6) of this section and for the purpose of providing services for the administration of criminal justice pursuant to that agreement. The agreement must incorporate a security addendum approved by the Attorney General of the United States, which shall specifically authorize access to criminal history record information, limit the use of the information to the purposes for which it is provided, ensure the security and confidentiality of the information consistent with these regulations, provide for sanctions, and contain such other provisions as the Attorney General may require. The power

and authority of the Attorney General hereunder shall be exercised by the FBI Director (or the Director's designee).

This Security Addendum, appended to and incorporated by reference in a government-private sector contract entered into for such purpose, is intended to insure that the benefits of privatization are not attained with any accompanying degradation in the security of the national system of criminal records accessed by the contracting private party. This Security Addendum addresses both concerns for personal integrity and electronic security which have been addressed in previously executed user agreements and management control agreements.

A government agency may privatize functions traditionally performed by criminal justice agencies (or noncriminal justice agencies acting under a management control agreement), subject to the terms of this Security Addendum. If privatized, access by a private contractor's personnel to NCIC data and other CJIS information is restricted to only that necessary to perform the privatized tasks consistent with the government agency's function and the focus of the contract. If privatized the contractor may not access, modify, use or disseminate such data in any manner not expressly authorized by the government agency in consultation with the FBI.

# FEDERAL BUREAU OF INVESTIGATION CRIMINAL JUSTICE INFORMATION SERVICES SECURITY ADDENDUM

The goal of this document is to augment the CJIS Security Policy to ensure adequate security is provided for criminal justice systems while (1) under the control or management of a private entity or (2) connectivity to FBI CJIS Systems has been provided to a private entity (contractor). Adequate security is defined in Office of Management and Budget Circular A-130 as "security commensurate with the risk and magnitude of harm resulting from the loss, misuse, or unauthorized access to or modification of information."

The intent of this Security Addendum is to require that the Contractor maintain a security program consistent with federal and state laws, regulations, and standards (including the CJIS Security Policy in effect when the contract is executed), as well as with policies and standards established by the Criminal Justice Information Services (CJIS) Advisory Policy Board (APB).

This Security Addendum identifies the duties and responsibilities with respect to the installation and maintenance of adequate internal controls within the contractual relationship so that the security and integrity of the FBI's information resources are not compromised. The security program shall include consideration of personnel security, site security, system security, and data security, and technical security.

The provisions of this Security Addendum apply to all personnel, systems, networks and support facilities supporting and/or acting on behalf of the government agency.

- 1.00 Definitions
- 1.01 Contracting Government Agency (CGA) the government agency, whether a Criminal Justice Agency or a Noncriminal Justice Agency, which enters into an agreement with a private contractor subject to this Security Addendum.
- 1.02 Contractor a private business, organization or individual which has entered into an agreement for the administration of criminal justice with a Criminal Justice Agency or a Noncriminal Justice Agency.
- 2.00 Responsibilities of the Contracting Government Agency.
- 2.01 The CGA will ensure that each Contractor employee receives a copy of the Security Addendum and the CJIS Security Policy and executes an acknowledgment of such receipt and the contents of the Security Addendum. The signed acknowledgments shall remain in the possession of the CGA and available for audit purposes. The acknowledgement may be signed by hand or via digital signature (see glossary for definition of digital signature).
- 3.00 Responsibilities of the Contractor.
- 3.01 The Contractor will maintain a security program consistent with federal and state laws, regulations, and standards (including the CJIS Security Policy in effect when the contract is executed and all subsequent versions), as well as with policies and standards established by the Criminal Justice Information Services (CJIS) Advisory Policy Board (APB).
- 4.00 Security Violations.

- 4.01 The CGA must report security violations to the CJIS Systems Officer (CSO) and the Director, FBI, along with indications of actions taken by the CGA and Contractor.
- 4.02 Security violations can justify termination of the appended agreement.
- 4.03 Upon notification, the FBI reserves the right to:
  - a. Investigate or decline to investigate any report of unauthorized use;
  - b. Suspend or terminate access and services, including telecommunications links. The FBI will provide the CSO with timely written notice of the suspension. Access and services will be reinstated only after satisfactory assurances have been provided to the FBI by the CGA and Contractor. Upon termination, the Contractor's records containing CHRI must be deleted or returned to the CGA.
- 5.00 Audit
- 5.01 The FBI is authorized to perform a final audit of the Contractor's systems after termination of the Security Addendum.
- 6.00 Scope and Authority
- 6.01 This Security Addendum does not confer, grant, or authorize any rights, privileges, or obligations on any persons other than the Contractor, CGA, CJA (where applicable), CSA, and FBI.
- 6.02 The following documents are incorporated by reference and made part of this agreement: (1) the Security Addendum; (2) the NCIC 2000 Operating Manual; (3) the CJIS Security Policy; and (4) Title 28, Code of Federal Regulations, Part 20. The parties are also subject to applicable federal and state laws and regulations.
- 6.03 The terms set forth in this document do not constitute the sole understanding by and between the parties hereto; rather they augment the provisions of the CJIS Security Policy to provide a minimum basis for the security of the system and contained information and it is understood that there may be terms and conditions of the appended Agreement which impose more stringent requirements upon the Contractor.
- 6.04 This Security Addendum may only be modified by the FBI, and may not be modified by the parties to the appended Agreement without the consent of the FBI.
- 6.05 All notices and correspondence shall be forwarded by First Class mail to:

Information Security Officer
Criminal Justice Information Services Division, FBI
1000 Custer Hollow Road
Clarksburg, West Virginia 26306

# FEDERAL BUREAU OF INVESTIGATION CRIMINAL JUSTICE INFORMATION SERVICES SECURITY ADDENDUM

#### **CERTIFICATION**

I hereby certify that I am familiar with the contents of (1) the Security Addendum, including its legal authority and purpose; (2) the NCIC Operating Manual; (3) the CJIS Security Policy; and (4) Title 28, Code of Federal Regulations, Part 20, and agree to be bound by their provisions.

I recognize that criminal history record information and related data, by its very nature, is sensitive and has potential for great harm if misused. I acknowledge that access to criminal history record information and related data is therefore limited to the purpose(s) for which a government agency has entered into the contract incorporating this Security Addendum. I understand that misuse of the system by, among other things: accessing it without authorization; accessing it by exceeding authorization; accessing it for an improper purpose; using, disseminating or re-disseminating information received as a result of this contract for a purpose other than that envisioned by the contract, may subject me to administrative and criminal penalties. I understand that accessing the system for an appropriate purpose and then using, disseminating or re-disseminating the information received for another purpose other than execution of the contract also constitutes misuse. I further understand that the occurrence of misuse does not depend upon whether or not I receive additional compensation for such authorized activity. Such exposure for misuse includes, but is not limited to, suspension or loss of employment and prosecution for state and federal crimes.

Printed Name/Signature of Contractor Employee	Date
Printed Name/Signature of Contractor Representative	Date
Organization and Title of Contractor Representative	