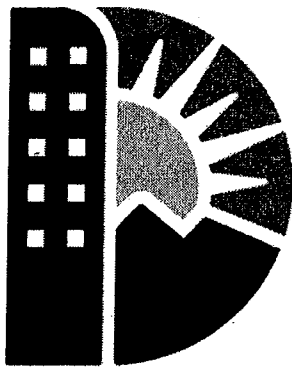


CITY AND COUNTY OF DENVER

STATE OF COLORADO



DENVER[®]
THE MILE HIGH CITY

DEPARTMENT OF PUBLIC WORKS / ENGINEERING DIVISION

BID DOCUMENTS PACKAGE

Contract No. CE10052/201100329

**COLFAX AVENUE ENHANCED TRANSIT
CORRIDOR**

March 14, 2011



DENVER
THE MILE HIGH CITY

Department of Public Works
Engineering Division

Capital Projects Management – Dept. 506
Right-of-Way Services – Dept. 507
Policy and Planning – Dept. 509
Traffic Engineering Services – Dept. 508

201 West Colfax Avenue
Denver, CO 80202
www.Work4Denver.com

NOTICE OF APPARENT LOW BIDDER

K.E.C.I. Colorado, Inc.
5750 W. Airport Road
Sedalia, CO 80135

The MANAGER OF PUBLIC WORKS has considered the Bids submitted on **April 07, 2011** for work to be done and materials to be furnished in and for:

PROJECT No. CE10052/201100329 COLFAX AVENUE ENHANCED TRANSIT CORRIDOR

as set forth in detail in the Contract Documents for the City and County of Denver, Colorado. It appears that your Bid is fair, equitable, and to the best interest of the City and County; therefore, said Bid is hereby accepted at the bid price contained herein, subject to the approval and execution of the Contract Documents by the City in accordance with the Charter of the City and County of Denver, and to your furnishing the items specified below. The award is based on the **(CBID) Schedule A – Items 202 through 630 (Twenty-Three [23]), and (Greektown) Schedule B – Items 202 through 630 (Fifty-One [51]), Total Bid Items (Seventy-Four [74]),** the total estimated cost thereof: **Two Million One Hundred One Thousand Two Hundred Forty-Six Dollars and No Cents (\$2,101,246.00).**

It will be necessary for you to appear forthwith at the office of the Department of Public Works, Contract Administration, 201 W. Colfax Ave., Dept 614, Denver, Colorado 80202, to receive the said Contract Documents, execute the same and return them to the Department of Public Works, Contract Administration within the time limit set forth in the Bid Proposal.

In accordance with the requirements set forth in the Contract Documents, you are required to furnish the following documents:

- a. Insurance Certificates: General Liability and Automotive Liability, Workman's Compensation and Employer Liability;
- b. One original plus two copies of the Power of Attorney relative to Performance and/or Payment Bond; and,

All construction Contracts made and entered into by the City and County of Denver are subject to Affirmative Action and Equal Opportunity Rules and Regulations, as adopted by the Manager of Public Works, and each contract requiring payment by the City of one-half million dollars (\$500,000.00) or more shall first be approved by the City Council acting by ordinance and in accordance with Section B1.12.2 of the Charter of the City and County of Denver.

Prior to issuance of Notice to Proceed, all Equal Opportunity requirements must be completed. Additional information may be obtained by contacting the Director of Contract Compliance at (720-913-1700).

NOTICE OF APPARENT LOW BIDDER

PROJECT NO. CE10052

Page 2

The Bid Security submitted with your Bid, will be returned upon execution of the Contract and furnishing of the Performance Bond. In the event you should fail to execute the Contract and to furnish the performance Bond within the time limit specified, said Bid Security will be retained by the City and County of Denver as liquidated damages, and not as a penalty for the delay and extra work caused thereby.

Dated at Denver, Colorado this 18th day of April 2011.

CITY AND COUNTY OF DENVER

By



for: George Delaney
Manager of Public Works

MK/tmg

cc: H. Woods (CAO), Gallagher (AUD), Schellinger (Treasury/Tax Compliance), DSBO Inbox, James Mackay, Merritt (PW-Aud), File.

**CITY AND COUNTY OF DENVER
DEPARTMENT OF PUBLIC WORKS
Engineering Division**

BID FORM AND SUBMITTAL PACKAGE ACKNOWLEDGMENT

CONTRACT NO. CE10052

COLFAX AVENUE ENHANCED TRANSIT CORRIDOR

BIDDER: KECI COLORADO INC.

ADDRESS: 5750 W. AIRPORT RD.
SEDALIA, CO 80135

The undersigned bidder states that the undersigned bidder has received and had an opportunity to fully and thoroughly examine a complete set of the Contract Documents for **Contract No. CE10052, COLFAX AVENUE ENHANCED TRANSIT CORRIDOR**, made available to the undersigned bidder pursuant to Notice of Invitation for Bids dated March 14, 2011.

The undersigned bidder acknowledges that a complete and final set of the Contract Documents for the referenced Project, the components of which are identified below, are bound and maintained as the record set of Contract Documents by the Contract Administration Division of the Department of Public Works and that this Record Set is available for examination by the undersigned bidder.

The undersigned bidder, having thoroughly examined each of the components identified below and contained in Contract Documents, **HEREBY SUBMITS THIS BID FORM AND SUBMITTAL PACKAGE**, fully understanding that the Contract Documents, as defined in Paragraph 1 of the contract, including this executed Bid Form and Submittal Package, constitute all of the terms, conditions and requirements upon which this submission is based and further understanding that, by submission of this Bid Form and Submittal Package, the City shall rely on the representations and commitments of the undersigned bidder contained herein.

The following completed documents comprising this Bid Form and Submittal Package will be included with and, by this reference, are expressly incorporated into the Contract Documents specified at Paragraph 1 of the Contract:

- Bid Form and Submittal Package Acknowledgment Form
- Bid Form
- List of Proposed Minority/Woman Owned Business Enterprise(s)
- Commitment to Minority/Woman Owned Business Enterprise Participation
- Minority/Woman Owned Business Enterprise(s) of Intent
- Joint Venture Affidavit (if applicable)
- Joint Venture Eligibility Form (if applicable)
- Bid Bond
- Bidder / Contractor / Vendor / Proposer Disclosure Form
- Certificate of Insurance

The following designated documents constitute that portion of the Contract Documents made available by the Notice of Invitation for Bids, but not included in the Bid Form and Submittal Package:

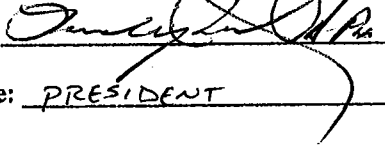
- Notice of Invitation for Bids
- Instructions to Bidders
- Addenda (as applicable)
- Equal Employment Opportunity Provisions (Appendix A and Appendix F)
- Contract Form
- General Contract Conditions
- Special Contract Conditions
- Performance and Payment Bond
- Notice to Apparent Low Bidder
- Notice to Proceed
- Contractor's Certification of Payment Form
- Final/Partial Lien Release Form
- Final Receipt
- Change Orders (as applicable)
- Federal Requirements (as applicable)
- Prevailing Wage Rate Schedule(s)
- Technical Specifications
- Contract Drawings
- Accepted Shop Drawings

The undersigned bidder expressly assumes responsibility for the complete contents of these designated documents as bound together with the Bid Form and Submittal Package submitted herewith and designated the Contract Documents.

IN WITNESS WHEREOF, the undersigned bidder has signed personally or by duly authorized officer or agent and duly attested.


BIDDER:

Name: KECI COLORADO INC.

By: 

Title: PRESIDENT

ATTEST:

By: 

[SEAL]

**CITY AND COUNTY OF DENVER
DEPARTMENT OF PUBLIC WORKS
Engineering Division**

BID FORM

**CONTRACT NO. CE10052
COLFAX AVENUE ENHANCED TRANSIT CORRIDOR**

BIDDER KECI COLORADO INC.

TO: The Manager of Public Works
City and County of Denver
c/o Contract Administration
201 West Colfax, Dept. 614
Denver, Colorado 80202

The Undersigned Bidder, having examined the plans, technical specifications, and remainder of the proposed Contract Documents as designated and enumerated in the General and Special Contract Conditions and any and all addenda thereto; having investigated the location of and conditions affecting the proposed Work; and being acquainted with and fully understanding the extent and character of the Work covered by this bid, and all factors and conditions affecting or which may be affected by Work, **HEREBY SUBMITS THIS BID**, pursuant to an advertisement of a Notice of Invitation for Bids as published on **March 14, 2011**, to furnish all required materials, tools, appliances, equipment and plant; to perform all necessary labor and to undertake and complete: **CONTRACT NO. CE10052, COLFAX AVENUE ENHANCED TRANSIT CORRIDOR**, in Denver, Colorado, in full accordance with and conformity to the Plans, Technical Specifications, and Contract Documents hereto attached or by reference made a part hereof, at and for the following price(s) set forth on this Bid Form.

The following documents, which taken as a whole constitute the Contract Documents for this Project, and which are incorporated herein, by reference, were made available to the Bidder as provided in the Advertisement of Notice of Invitation for Bids, were received by the bidder, and form the basis for this bid:

Advertisement of Notice of Invitation for Bids
Instructions to Bidders
Commitment to M/WBE Participation
Article III, Divisions 1 and 3 of Chapter 28, D.R.M.C.
Bid Bond
Addenda (as applicable)
Equal Employment Opportunity Provisions (Appendix A and Appendix F)
Bid Form
Contract Form
General Contract Conditions
Special Contract Conditions
Performance and Payment Bond
Notice to Apparent Low Bidder
Notice to Proceed
Contractor's Certification of Payment Form
Final/Partial Lien Release Form
Final Receipt
Change Orders (as applicable)
Federal Requirements (as applicable)
Prevailing Wage Rate Schedule(s)
Technical Specifications
Contract Drawing
Accepted Shop Drawings
Certificate of Insurance

Item No.	Description and Price	Estimated Quantity	Estimated Cost
SCHEDULE A - COLFAX BUSINESS IMPROVEMENT DISTRICT (CBID)			
202	Removal of Sidewalk at the unit price of \$ <u>26</u> per SQUARE YARD.	986 SY	\$ <u>25,636</u>
202	Removal of Curb and Gutter at the unit price of \$ <u>10</u> per LINEAR FOOT.	73 LF	\$ <u>730</u>
202	Removal of Pavement at the unit price of \$ <u>76</u> per SQUARE YARD.	9 SY	\$ <u>684</u>
203	Potholing at the unit price of \$ <u>175</u> per HOUR.	60 HR	\$ <u>10,500</u>
208	Stormwater Management at the unit price of \$ <u>10,300</u> per LUMP SUM.	1 LS	\$ <u>10,300</u>
210	Reset Valve Box at the unit price of \$ <u>335</u> per EACH.	2 EA	\$ <u>670</u>
403	Hot Mix Asphalt (Patching) (Full Depth) at the unit price of \$ <u>175</u> per TON.	6 TON	\$ <u>1050</u>
608	Concrete Sidewalk (4 Inch) (w/ Fiber) at the unit price of \$ <u>58</u> per SQUARE YARD.	963 SY	\$ <u>55,854</u>
608	Concrete Curb Ramp (w/ Fiber) at the unit price of \$ <u>88</u> per SQUARE YARD.	24 SY	\$ <u>2112</u>
608	Truncated Domes at the unit price of \$ <u>38</u> per SQUARE FOOT.	41 SF	\$ <u>1558</u>
609	Curb & Gutter (6 Inch w/ 2 Foot Pan) (w/ Fiber) (Special) at the unit price of \$ <u>26</u> per LINEAR FOOT.	73 LF	\$ <u>1898</u>
613	Existing Light Standard Type "A" (add banner arms) at the unit price of \$ <u>500</u> per EACH.	27 EA	\$ <u>13,500</u>

Item No.	Description and Price	Estimated Quantity	Estimated Cost
613	Existing Light Standard Type "D" (add banner arms) at the unit price of \$ <u>685 -</u> per EACH.	33 EA	\$ <u>22,605 -</u>
613	New Light Standard 70W HPS Type "H" at the unit price of \$ <u>5800 -</u> per EACH.	127 EA	\$ <u>736,600 -</u>
613	New Light Standard 70W HPS Type "M" at the unit price of \$ <u>7800 -</u> per EACH.	4 EA	\$ <u>31,200 -</u>
613	New Lighting Control Center (with electric service) at the unit price of \$ <u>10,000 -</u> per EACH.	10 EA	\$ <u>10,000 -</u>
613	Existing Lighting Control Center (rework of existing equipment and circuits) at the unit price of \$ <u>1100 -</u> per EACH.	8 EA	\$ <u>8800 -</u>
613	1 Inch Electrical Conduit (Bored) at the unit price of \$ <u>28 -</u> per LINEAR FOOT.	7,529 LF	\$ <u>210,812 -</u>
613	2 Inch Electrical Conduit (Bored) at the unit price of \$ <u>32 -</u> per LINEAR FOOT.	2,135 LF	\$ <u>68,320 -</u>
622	Bollard at the unit price of \$ <u>550</u> per EACH.	24 EA	\$ <u>13,200 -</u>
625	Construction Surveying at the unit price of \$ <u>3200 -</u> per LUMP SUM.	1 LS	\$ <u>3200 -</u>
626	Mobilization at the unit price of \$ <u>73,000 -</u> per LUMP SUM.	1 LS	\$ <u>73,000 -</u>
630	Construction Traffic Control at the unit price of \$ <u>67,000 -</u> per LUMP SUM.	1 LS	\$ <u>67,000 -</u>
SCHEDULE A - TOTAL BID AMOUNT			\$ <u>1,459,229 -</u>

Item No.	Description and Price	Estimated Quantity	Estimated Cost
SCHEDULE B - GREEKTOWN			
202	Removal of Sidewalk at the unit price of \$ <u>15 -</u> per SQUARE YARD.	812 SY	\$ <u>12,180 -</u>
202	Removal of Curb and Gutter at the unit price of \$ <u>10 -</u> per LINEAR FOOT.	749 LF	\$ <u>7490 -</u>
202	Removal of Pavement at the unit price of \$ <u>75 -</u> per SQUARE YARD.	114 SY	\$ <u>8550 -</u>
203	Potholing at the unit price of \$ <u>175 -</u> per HOUR.	20 HR	\$ <u>3500 -</u>
203	Unclassified Excavation at the unit price of \$ <u>60 -</u> per CUBIC YARD.	41 CY	\$ <u>2460 -</u>
207	Topsoil (Imported) at the unit price of \$ <u>90 -</u> per CUBIC YARD.	16 CY	\$ <u>1440 -</u>
208	Stormwater Management at the unit price of \$ <u>5400 -</u> per LUMP SUM.	1 LS	\$ <u>5400 -</u>
210	Reset Ground Sign at the unit price of \$ <u>190 -</u> per EACH.	4 EA	\$ <u>760 -</u>
210	Reset Valve Box at the unit price of \$ <u>335 -</u> per EACH.	11 EA	\$ <u>3685 -</u>
210	Adjust Water Meter at the unit price of \$ <u>335 -</u> per EACH.	1 EA	\$ <u>335 -</u>
210	Adjust Curb Stop at the unit price of \$ <u>270 -</u> per EACH.	5 EA	\$ <u>1350 -</u>
210	Remove Planter at the unit price of \$ <u>175 -</u> per EACH.	3 EA	\$ <u>525 -</u>
210	Reset Trash Receptacle at the unit price of \$ <u>300</u> per EACH.	1 EA	\$ <u>300 -</u>

Item No.	Description and Price	Estimated Quantity	Estimated Cost
210	Replace Survey Monument at the unit price of \$ <u>220 -</u> per EACH.	12 EA	\$ <u>2640</u>
213	Tree Grate at the unit price of \$ <u>2400 -</u> per EACH.	8 EA	\$ <u>19,200 -</u>
213	Mulch (Wood Chip) at the unit price of \$ <u>3 -</u> per CUBIC FOOT.	125 CF	\$ <u>375 -</u>
214	Deciduous Tree (2-1/2 Inch Caliper) at the unit price of \$ <u>565 -</u> per EACH.	14 EA	\$ <u>7910 -</u>
214	Landscape Maintenance at the unit price of \$ <u>18500 -</u> per LUMP SUM.	1 LS	\$ <u>18500 -</u>
403	Hot Mix Asphalt (Patching) (Full Depth) at the unit price of \$ <u>175 -</u> per TON.	60 TON	\$ <u>10,500 -</u>
412	Concrete Pavement (6 Inch) at the unit price of \$ <u>67 -</u> per SQUARE YARD.	24 SY	\$ <u>1608 -</u>
608	Concrete Sidewalk (4 Inch) (w/ Fiber) at the unit price of \$ <u>43 -</u> per SQUARE YARD.	690 SY	\$ <u>29,670 -</u>
608	Concrete Curb Ramp (w/ Fiber) at the unit price of \$ <u>86 -</u> per SQUARE YARD.	106 SY	\$ <u>9116 -</u>
608	Truncated Domes at the unit price of \$ <u>38 -</u> per SQUARE FOOT.	265 SF	\$ <u>10,070 -</u>
609	Curb & Gutter (6 Inch w/ 2 Foot Pan) (w/ Fiber) at the unit price of \$ <u>25 -</u> per LINEAR FOOT.	726 LF	\$ <u>18,150 -</u>
609	Curb & Gutter (6 Inch w/ 2 Foot Pan) (w/ Fiber) (Spill) at the unit price of \$ <u>29 -</u> per LINEAR FOOT.	24 LF	\$ <u>696 -</u>

Item No.	Description and Price	Estimated Quantity	Estimated Cost
613	Existing Light Standard to remain Type "G" (add banner arms and repaint) at the unit price of \$ <u>1000 -</u> per EACH.	8 EA	\$ <u>8000 -</u>
613	New Light Standard 70W HPS Type "K" at the unit price of \$ <u>6300 -</u> per EACH.	28 EA	\$ <u>176,400 -</u>
613	New Lighting Control Center (with electric service) at the unit price of \$ <u>10000 -</u> per EACH.	1 EA	\$ <u>10000 -</u>
613	Existing Lighting Control Center (rework of existing equipment and circuits) at the unit price of \$ <u>1100 -</u> per EACH.	2 EA	\$ <u>2200 -</u>
613	1 Inch Electrical Conduit (Bored) at the unit price of \$ <u>28 -</u> per LINEAR FOOT.	1,826 LF	\$ <u>51120 -</u>
613	2 Inch Electrical Conduit (Bored) at the unit price of \$ <u>32 -</u> per LINEAR FOOT.	737 LF	\$ <u>23,584 -</u>
619	3/4 Inch Copper Pipe at the unit price of \$ <u>105 -</u> per LINEAR FOOT.	52 LF	\$ <u>5460 -</u>
619	1 Inch Plastic Pipe at the unit price of \$ <u>0⁵⁰ -</u> per LINEAR FOOT.	1,750 LF	\$ <u>875 -</u>
619	1-Inch Irrigation Conduit (Bored) at the unit price of \$ <u>10 -</u> per LINEAR FOOT.	396 LF	\$ <u>3960 -</u>
619	3-Inch Plastic Pipe at the unit price of \$ <u>2⁵⁰ -</u> per LINEAR FOOT.	1,578 LF	\$ <u>3945 -</u>
619	3-Inch Irrigation Conduit (Bored) at the unit price of \$ <u>11 -</u> per LINEAR FOOT.	1,578 LF	\$ <u>17,358 -</u>
623	Irrigation Bubbler at the unit price of \$ <u>60 -</u> per EACH.	28 EA	\$ <u>1680</u>

Item No.	Description and Price	Estimated Quantity	Estimated Cost
623	3/4-Inch Backflow Preventer at the unit price of \$ <u>1740</u> per EACH.	2 EA	\$ <u>3480</u>
623	1-Inch Manual Drain Valve at the unit price of \$ <u>210</u> per EACH.	2 EA	\$ <u>420</u>
623	1-Inch Automatic Control Valve at the unit price of \$ <u>260</u> per EACH.	3 EA	\$ <u>780</u>
623	Control Wire 24 Volt at the unit price of \$ <u>065</u> per LUMP SUM.	825 LF	\$ <u>536²⁵</u>
623	Power Source Wire at the unit price of \$ <u>10-</u> per LINEAR FOOT.	60 LF	\$ <u>600-</u>
623	1-Inch Quick Coupler at the unit price of \$ <u>180-</u> per EACH.	5 EA	\$ <u>900</u>
623	3/4 Inch Ball Valve (Curb Stop) at the unit price of \$ <u>350</u> per EACH.	2 EA	\$ <u>700</u>
623	1-Inch Gate Valve at the unit price of \$ <u>115</u> per EACH.	4 EA	\$ <u>460</u>
623	3/4 Inch Water Meter with Tap at the unit price of \$ <u>3700</u> per EACH.	2 EA	\$ <u>7400-</u>
623	4-Station Automatic Controller at the unit price of \$ <u>920</u> per EACH.	2 EA	\$ <u>1840</u>
622	Bollard at the unit price of \$ ⁵²⁴ 544 <u>550</u> per EACH.	6 EA	\$ <u>3300-</u>
625	Construction Surveying at the unit price of \$ <u>3600⁷⁵</u> per LUMP SUM.	1 LS	\$ <u>3600⁷⁵</u>
626	Mobilization at the unit price of \$ <u>70,000-</u> per LUMP SUM.	1 LS	\$ <u>70,000-</u>

Item No.	Description and Price	Estimated Quantity	Estimated Cost
630	Construction Traffic Control at the unit price of \$ <u>67,000</u> per LUMP SUM.	1 LS	\$ <u>67000 -</u>
	SCHEDULE B - TOTAL BASE BID AMOUNT		\$ <u>1,459,229</u> <u>642,017</u> ^{30%} _{4/7/11}
	ADD/DEDUCT ALTERNATES ALTERNATE NO. 1		
608	DEDUCT - Concrete Sidewalk (4 Inch) (w/ Fiber) at the unit price of \$ <u>45</u> per SQUARE YARD.	-16 SY	\$ <u>-720 -</u>
608	ADD - Concrete Sidewalk (Special) at the unit price of \$ <u>180</u> per SQUARE FOOT.	143 SF	\$ <u>25740 -</u>
	TOTAL ALTERNATE NO. 1		\$ <u>25,020 -</u>
	ALTERNATE NO. 2		
622	ADD - Bike Rack at the unit price of \$ <u>475</u> per EACH.	10 EA	\$ <u>4750 -</u>
	TOTAL ALTERNATE NO. 2		\$ <u>4750 -</u>
	ALTERNATE NO. 3		
622	ADD - Planter at the unit price of \$ <u>535</u> per EACH.	18 EA	\$ <u>9630 -</u>
	TOTAL ALTERNATE NO. 3		\$ <u>9630 -</u>
	ALTERNATE NO. 4		
622	ADD - Bench at the unit price of \$ <u>1670</u> per EACH.	5 EA	\$ <u>8350 -</u>
	TOTAL ALTERNATE NO. 4		\$ <u>8350 -</u>
	ALTERNATE NO. 5		
613	ADD - Replace Existing Acorn w/ New Type "L" Acorn Light at the unit price of \$ <u>6300</u> per EACH.	36 EA	\$ <u>226,800 -</u>
613	ADD - 1 Inch Electrical Conduit (Bored) at the unit price of \$ <u>28</u> per LINEAR FOOT.	40 LF	\$ <u>1120 -</u>

Item No.	Description and Price	Estimated Quantity	Estimated Cost
613	DEDUCT - Existing Light Standard to remain Type "G" (add banner arms and repaint) at the unit price of \$ <u>1000 -</u> per EACH.	-8 EA	\$ <u>-8000 -</u>
613	DEDUCT - New Light Standard 70W HPS Type "K" at the unit price of \$ <u>6300 -</u> per EACH. TOTAL ALTERNATE NO. 5	-28 EA	\$ <u>-176,400</u> \$ <u>43520 -</u>

Total Base Bid Amount of:

TWO MILLION ONE HUNDRED ONE THOUSAND
TWO HUNDRED FORTY SIX.

Dollars (\$ 2,101,246 -)

[Total base bid amount equals the sum of each estimated cost for item numbers Colfax Business Improvement District (CBID) Schedule A - Items 202 through 630 (Twenty-Three [23]) and Greektown Schedule B - Items 202 through 630 (Fifty-One [51]), Total Base Bid Items (Seventy-Four [74])

ALTERNATES

#1 - GREEKTOWN STONE in the amount of:

TWENTY FIVE THOUSAND TWENTY DOLLARS

Dollars (\$ 25,020 -)

#2 - BIKE RACKS in the amount of:

FOUR THOUSAND SEVEN HUNDRED FIFTY DOLLARS

Dollars (\$ 4750 -)

#3 - PLANTERS in the amount of:

NINE THOUSAND SIX THIRTY DOLLARS

Dollars (\$ 9630 -)

#4 - BENCHES in the amount of:

EIGHT THOUSAND THREE HUNDRED FIFTY DOLLARS

Dollars (\$ 8350 -)

#5 - PEDESTRIAN LIGHTING UPGRADE in the amount of:

FOURTY THREE THOUSAND FIVE HUNDRED TWENTY DOLLARS

Dollars (\$ 43,520 -)

If the Manager mails a written Notice of Apparent Low Bidder, addressed to the Bidder's business address stated on this Bid Form, the Undersigned Bidder shall, in accordance with the Contract Documents, be ready to, and shall, within five (5) days after the date of the Notice: (i) execute the attached form of Contract in conformity with this bid; (ii) furnish the required proofs of insurance; and (iii) furnish the required bond or bonds in the sum of the full amount of this bid, executed by a surety company acceptable to the Manager.

The CBIC, a corporation of the State of WA, is hereby offered as Surety on said bond. If such surety is not approved by the Manager, another and satisfactory surety company shall be furnished.

Enclosed with this bid is a bid guarantee, as defined in the attached Instructions to Bidders, in the amount of 5% OF TOTAL BID. The Undersigned Bidder agrees that the entire amount of this bid guarantee is to be paid to and become the property of the City as liquidated damages, and not as a penalty, if: (i) the bid is considered to be the best by the City; (ii) the City notifies the Undersigned Bidder that it is the Apparent Low Bidder; and (iii) the Undersigned Bidder fails to execute the Contract in the form prescribed or to furnish the required bond and proofs of insurance, within five (5) days after the date of such notification.

The following persons, firms or corporations are interested with the Undersigned Bidder in this bid:

Name: _____ Name: _____

Address: _____ Address: _____

If there are no such persons, firms, or corporations, please so state in the following space:

NO SUCH PERSON, FIRMS OR CORPORATIONS EXIST.
BF-7

The Undersigned Bidder proposes to subcontract the following Work in accordance with General Contract Conditions, Title 5, SUBCONTRACTS, and represents that, to the greatest degree practical, all subcontractors known at the time of bid submittal have been identified.

Item of Work	Percent (%) of Total; Work	Proposed Subcontractor and Address
<u>POTTHOLING</u>	0.62 <u>0.53%</u>	<u>AFFORDABLE ROOTER</u>
<u>HMA PATCH</u>	0.54 <u>0.46%</u>	<u>LOYA CONSTRUCTION</u>
<u>IRRIGATION / LANDSCAPE</u>	3.58 <u>3.04%</u>	<u>ENVIRONMENTAL LOGISTICS</u>
<u>SEWER TRAFFIC CONTROL</u>	6.31 <u>5.37%</u>	<u>ZENITRAM</u>
<u>BOLLARDS / TREE ANCH</u>	1.44 <u>1.22%</u>	<u>ROMERO CONCRETE FORMING</u>
<u>CONCRETE FINISH</u>	2.62 <u>2.21%</u>	<u>VILLALOBOS CONCRETE</u>

(Copy this page if additional room is required.)



Office of Economic Development
 Division of Small Business Opportunity
 Compliance Unit
 201 West Colfax Avenue, Dept. 907
 Denver, CO 80202
 Phone: 720.913.1999
 Fax: 720.913.1803

List of Proposed Minority/Woman Business Enterprise Bidders, Subcontractors, Suppliers (Manufacturers) or Brokers

City and County of Denver Contract No.: CE 10052

The undersigned Bidder proposes to utilize the following Minority or Woman Business Enterprise (MBE/WBE) for the project. All listed firms are **CURRENTLY** certified by the City and County of Denver. Only the level of MBE or WBE participation listed at the bid opening will count toward satisfaction of the project goal. Only bona fide commissions may be counted for Brokers. MBE or WBE prime bidders must detail their bid information below. Please copy and attach this page to list additional MBEs or WBEs for this project.

Prime Bidder

Business Name: KECI COLORADO INC.

Address: 5750 W. AIRPORT RD.

Contact Person: STEVE O'HANLON

Type of Service: GENERAL CONTRACTOR

Dollar Amount: \$:

Percent of Project:

MBE or WBE Prime Bidder

Business Name:

Address:

Contact Person:

Type of Service:

Dollar Amount: \$:

Percent of Project:

Subcontractors, Suppliers Manufacturers or Brokers (check one box)

Subcontractor (√) Supplier (√) Manufacturer (√) Broker (√)

Business Name: AFFORDABLE ROUTER

Address: LITTLETON CO 80128

Type of Service: PORTALING

Contact Person: JUAN DIAZ

Dollar Amount: \$: 13,200

Percent of Project: 0.53%

Subcontractor (√) Supplier (√) Manufacturer (√) Broker (√)

Business Name: LOYA CONSTRUCTION

Address: DENVER, CO 80229

Type of Service: ASPHALT PATCH

Contact Person: LIBORIO LOYA

Dollar Amount: \$: 11,400

Percent of Project: 0.46%

Subcontractor (√) Supplier (√) Manufacturer (√) Broker (√)

Business Name: ENVIRONMENTAL LOGISTICS

Address: DENVER, CO 80229

Type of Service: IRRIGATION/LANDSCAPE

Contact Person: JEN MIROWSKI

Dollar Amount: \$: 75,230

Percent of Project: 3.04%

3.58%

Subcontractors, Suppliers Manufacturers or Brokers (check one box)

Subcontractor (√) Supplier (√) Manufacturer (√) Broker (√)

Business Name: ZENITRAM TRAFFIC

Address: FT. LUDLOW, CO 80621

Type of Service: TRAFFIC CONTROL

Contact Person: UNA MARTINEZ

Dollar Amount: \$: ~~8776~~ ^{132,690} Percent of Project: 5.37% ^{9.4%}

Subcontractor (√) Supplier (√) Manufacturer (√) Broker (√) 6.31%

Business Name: ROMERO CONCRETE FORMING

Address: COMMERCE CITY, CO 80022

Type of Service: BOLLARDS / TREE GRATES

Contact Person: MARY ROMERO

Dollar Amount: \$: ~~15,750~~ ^{30,393} Percent of Project: 1.22% ^{4.7%}

Subcontractor (√) Supplier (√) Manufacturer (√) Broker (√) 1.44%

Business Name: VILLALOBOS CONCRETE

Address: DENVER, CO 80221

Type of Service: CONCRETE FLATWORK

Contact Person: CARMEN VILLALOBOS

Dollar Amount: \$: ~~123,200~~ ⁵⁵⁰²⁰⁻⁵²⁹⁸⁰ Percent of Project: 5% ^{2.62%}

Subcontractor (√) Supplier (√) Manufacturer (√) Broker (√)

Business Name:

Address:

Type of Service:

Contact Person:

Dollar Amount: \$:

Percent of Project:

Subcontractor (√) Supplier (√) Manufacturer (√) Broker (√)

Business Name:

Address:

Type of Service:

Contact Person:

Dollar Amount: \$:

Percent of Project:

Subcontractor (√) Supplier (√) Manufacturer (√) Broker (√)

Business Name:

Address:

Type of Service:

Contact Person:

Dollar Amount: \$:

Percent of Project:

Subcontractor (√) Supplier (√) Manufacturer (√) Broker (√)

Business Name:

Address:

Type of Service:

Contact Person:

Dollar Amount: \$:

Percent of Project:

The undersigned Bidder hereby certifies that the aforementioned subcontractors and suppliers have full knowledge that their names have been offered as subcontractors and suppliers for the work, and the Bidder further certifies that the dollar amount of work to be performed by the aforementioned M/WBE(s) was furnished to the Bidder prior to the bid opening. The undersigned Bidder agrees that after the bid opening, it shall submit to the City an executed and completed W/MBE "Letter of Intent" in three working days (3) on each of its M/WBE subcontractors. The "Letter of Intent" form is contained in the Contract Documents.

The undersigned Bidder acknowledges the right of the City to reject any or all bids submitted, to waive informalities in bids and to re-advertise this Project for bids.

The undersigned certifies that it has carefully checked all works and figures and all statements made in these Bid Forms.

This bid is submitted upon the declaration that neither, I (we), nor, to the best of my (our) knowledge, none of the members of my (our) firm or company have either directly or indirectly entered into any agreement, participated in any collusion or otherwise taken any action in restraint of free competitive bidding in connection with this bid.

Business Address of Bidder: 5750 W. AIRPORT RD.

City, State, Zip Code: SEDALIA, CO 80135

Telephone Number of Bidder: 303.791.3759 Fax No. 303.791.3829

Social Security or Federal Employer ID Number of Bidder: 94-2957616

Name and location of the last work of this kind herein contemplated upon which the Bidder was engaged:
OC# 91233-2009 ON-CALL REPAIRS

For information relative thereto, please refer to:

Name: BILL MELTON

Title: SENIOR BRIDGE INSPECTOR

Address: 201 W. COLFAX AVE, DENVER, CO 80202

The undersigned acknowledges receipt, understanding, and full consideration of the following addenda to the Contract Documents:

Addenda Number 1 Date 3/30/11

Addenda Number _____ Date _____

Addenda Number _____ Date _____

Dated this 7 day of APRIL, 2011.

Signature of Bidder:

If an Individual:

_____ doing business
as _____

If a Partnership:

by: _____ General Partner.

If a Corporation:

_____ KECE COLORADO INC.
a _____ COLORADO Corporation,
by: Paul Y. Iwata, its President.

Attest:



Secretary

(Corporate Seal)

If a Joint Venture, signature of all Joint Venture participants.

Firm: _____
Corporation (), Partnership () or () Limited Liability Company

By: _____ (If a Corporation)
Title: _____ Attest: _____
Secretary (Corporate Seal)

Firm: _____
Corporation (), Partnership () or () Limited Liability Company

By: _____ (If a Corporation)
Title: _____ Attest: _____
Secretary (Corporate Seal)

Firm: _____
Corporation (), Partnership () or () Limited Liability Company

By: _____ (If a Corporation)
Title: _____ Attest: _____
Secretary (Corporate Seal)



DENVER
THE MILE HIGH CITY

Commitment to Minority and Women Business Enterprise Participation

Office of Economic Development
Division of Small Business Opportunity
Compliance Unit

Colfax Avenue, Dept. 907

Denver, CO 80202

Phone: 720-913-1999

Fax : 720-913-1803

The undersigned has satisfied the MBE and/or WBE participant requirements in the following manner (Please check the appropriate box):

The Bidder is committed to a minimum of 15.0 % **MBE and/or WBE** utilization on the project, and will submit Letters of Intent for each MBE or WBE listed in the Bid Forms, within three (3) working days after the bid opening.

The Bidder is unable to meet the project goal of _____% **MBE/WBE**, but is committed to a minimum of _____% **MBE/WBE** utilization on the project. The Bidder understands that they must submit a detailed statement of their good faith efforts, which occurred prior to the bid opening, to meet the project goal, and must submit Letters of Intent for each MBE or WBE listed in the Bid Forms, within three (3) working days after the bid opening.

Bidder (Name of Firm): KECI COLORADO INC.

Firm's Representative (Please print): PAUL Y. EWATA

Signature (Firm's Representative):

Title: PRESIDENT

Address: 5750 W. AIRPORT RD.

City: SEDALIA

State: Co

Zip: 80135

Phone: 303.791.3759

Fax: 303.791.3829



DENVER
THE MILE HIGH CITY

Office of Economic Development
Division of Small Business Opportunity
Compliance Unit
201 West Colfax Ave., Dept. 907
Denver, CO 80202
Phone: 720-913-1999 Fax: 720-913-1803

LETTER OF INTENT (LOI)

INSTRUCTIONS FOR COMPLETION & SUBMISSION:

- All lines must be completed or marked N/A for Not Applicable
- Submit the attached completed checklist with this letter
- Email to dsbo@denvergov.org, **OR**
- Fax: 720-913-1803, **OR**
- Hand-Delivery: Office Economic Dev. 7th Fl., "DSBO Inbox"

Contract No.:

Project Name:

**A. The Following Section is To Be Completed by the Bidder/Consultant
This Letter of Intent Must be Signed by the Bidder/Consultant and M/WBE, SBE or DBE**

Name of Bidder/Consultant:

Phone:

Contact Person:

Email:

Fax:

Address:

City:

State:

Zip:

**B. The Following Section is To Be Completed by the M/WBE, SBE or DBE, at any Tier
This Letter of Intent Must be Signed by the M/WBE, SBE or DBE and Bidder/Consultant**

Name of Certified Firm:

Phone:

Contact Person:

Email:

Fax:

Address:

City:

State:

Zip:

Please check the designation which applies to the certified firm:

MBE/WBE (✓)

SBE (✓)

DBE (✓)

Indirect Utilization: If this M/WBE, SBE or DBE is not a direct first tier subcontractor/subconsultant, supplier or broker to the Bidder/ Consultant, please indicate the name of the subcontractor/subconsultant, supplier or broker which is utilizing the participation of this firm:

A Copy of the M/WBE, SBE or DBE Letter of Certification must be Attached

Identify the scope of the work to be performed or supply item that will be provided by the M/WBE/SBE/DBE. **On unit price bids only. Identify which bid line items the M/WBE/SBE/DBEs scope of work or supply corresponds to.**

Subcontractor/Subconsultant (✓)

Supplier (✓)

Broker (✓)

Bidder intends to utilize the aforementioned M/WBE, SBE or DBE for the Work/Supply described above. The cost of the work and percentage of the total subcontractor M/WBE, SBE or DBE bid amount is:

\$ _____ %

Consultant intends to utilize the aforementioned M/WBE, SBE or DBE for the Work/Supply described above. The percentage of the work of the total subconsultant M/WBE, SBE or DBE will perform is:

If the fee amount of the work to be performed is requested, the fee amount, is: \$ _____ %

Bidder/Consultant's Signature:

Date:

Title:

M/WBE, SBE or DBE

Firm's Signature:

Date:

Title:

If the above named Bidder/Consultant is not determined to be the successful Bidder/Consultant, this Letter of Intent shall be null and void.

COMP-FRM-012 Revised 11/30/10

Letter of Intent (LOI) Checklist

*All lines must be completed or marked N/A for Not Applicable
Submit the attached completed checklist with this letter.*

Completed ✓	
<input type="checkbox"/>	Project Number & Project Name
<input type="checkbox"/>	Section A: Name of Bidder/Consultant, Contact Person, Address, City, State, Zip, Phone, Email
<input type="checkbox"/>	Section B: Name of Certified Firm, Contact Person, Address, City, State, Zip, Phone, Email
<input type="checkbox"/>	Designation checked for MBE/WBE, SBE or DBE
<input type="checkbox"/>	Indirect Utilization: Name of subcontractor/subconsultant, supplier or broker is indicated if using the participation of a 2 nd tier subcontractor/subconsultant, supplier or broker.
<input type="checkbox"/>	Scope of work performed or item supplied by M/WBE, SBE or DBE
<input type="checkbox"/>	Line items performed, if line-item bid.
<input type="checkbox"/>	Copy of M/WBE, SBE or DBE Letter of Certification Attached
<input type="checkbox"/>	Designation checked for Subcontractor/Subconsultant, Supplier or Broker
	If project is a hard bid...
<input type="checkbox"/>	Bidder has indicated dollar amount for value of work going to Subcontractor/ Subconsultant, Supplier or Broker
<input type="checkbox"/>	Bidder has indicated percentage for value of work going to Subcontractor/ Subconsultant, Supplier or Broker
	If project is an RFP/RFQ...
<input type="checkbox"/>	Consultant has indicated percentage for value of work going to Subcontractor/ Subconsultant, Supplier or Broker Name & contact name for MWBE.
<input type="checkbox"/>	Fee amount if fee amount of work to be performed is requested.
<input type="checkbox"/>	Bidder/Consultant's Signature, Title & Date
<input type="checkbox"/>	M/WBE, SBE or DBE Firm's Signature, Title and Date

Select One ✓	SUBMITTED VIA... (Bidder/Consultant is strongly urged to deliver the LOI via one of the methods below. Delivery to any other point cannot be guaranteed timely delivery.)
<input type="checkbox"/>	Email to DSBO@denvergov.org
<input type="checkbox"/>	Fax to 720-913-1803
<input type="checkbox"/>	Hand Delivery to Office of Economic Development, 7 th Floor, "DSBO Inbox"

The complete and accurate information that is required for the Letter of Intent is based on the following sections of the Ordinance: Section 28-63 and Section 28-68. Failure to complete this information on the Letter of Intent (LOI) may automatically deem a bid or proposal non-responsive.

COMP-FRM-012 Revised 11/30/10



DENVER
THE MILE HIGH CITY

Office of Economic Development
Division of Small Business Opportunity
Compliance Unit
201 West Colfax Avenue, Dept. 907
Denver, CO 80202
Phone: 720-913-1999
Fax : 720-913-1803

Joint Venture Affidavit

"The Undersigned swears that the foregoing statements are correct and include all material information necessary to identify and explain the terms and operation of our joint venture and the intended participation by each joint venturer in the undertaking. Further, the Undersigned covenant and agree to provide the City current, complete, and accurate information regarding actual joint venture work and the payment thereof and any proposed changes in any of the joint venture arrangements and to permit the audit and examination of the books, records, and files of the joint venture, by authorized representatives of the City or Federal funding agency, if applicable. Any material misrepresentation will be grounds for terminating any contract which may be awarded and for initialing action under Federal or State laws concerning false statements".

Name of Firm:		
Print Name:	Title	
Signature:	Date:	
Notary Public		
County of	State of	My Commission Expires:
Subscribed and sworn before me this _____ day of _____, 20_____		Notary Seal
Notary Signature: _____		
Address: _____		

Name of Firm:		
Print Name:	Title	
Signature:	Date:	
Notary Public		
County of	State of	My Commission Expires:
Subscribed and sworn before me this _____ day of _____, 20_____		Notary Seal
Notary Signature: _____		
Address: _____		

Name of Firm:		
Print Name:	Title	
Signature:	Date:	
Notary Public		
County of	State of	My Commission Expires:
Subscribed and sworn before me this _____ day of _____, 20_____		Notary Seal
Notary Signature: _____		
Address: _____		



DENVER
THE MILE HIGH CITY

JOINT VENTURE ELIGIBILITY FORM

Office of Economic Development
Division of Small Business Opportunity
Compliance Unit
201 West Colfax Ave. Dept. 907
Denver, CO 80202
Phone: (720) 913-1999
Fax: (720) 913-1803

Joint Venture means an association of two (2) or more business enterprises to constitute a single business enterprise to perform a City construction or professional design and construction services contract for which purpose they combine their property, capital, efforts, skills and knowledge, and in which each joint venturer is responsible for a distinct, clearly defined portion of the work of the contract, performs a commercially useful function, and whose share in the capital contribution, control, management responsibilities, risks and profits of the joint venture are equal to its ownership interest. Joint ventures must have an agreement in writing specifying the terms and conditions of the relationships between the joint venturers and their relationship and responsibility to the contract.

The Division of Small Business Opportunity (DSBO) requires the following information be provided from participants of a prospective joint venture, to assist DSBO in evaluating the proposed joint venture. This Joint Venture Eligibility form and the Joint Venture Affidavit apply if SBEs, MBEs, WBEs or DBEs participate in this joint venture.

Please return this form, the Joint Venture Affidavit and a copy of your Joint Venture Agreement to: Division of Small Business Opportunity, 201 West Colfax Avenue, Denver, CO 80202, at least five (5) days prior to bid opening or proposal.

If you have questions regarding this process, please contact DSBO at 720-913-1999.

Joint Venture Information

Name:			Contact Person:
Address:			
City:	State:	Zip:	Phone:

Joint Venture Participants

Name:			Contact Person:
Address			
City	State:	Zip:	Phone:
% Ownership:	Certifying Entity:	Type Certification & Date: (S/M/W or DBE)	
Type of Work for which Certification was granted:			

Name:			Contact Person:
Address			
City	State:	Zip:	Phone:
% Ownership:	Certifying Entity:	Type Certification & Date: (S/M/W or DBE)	
Type of Work for which Certification was granted:			

General Information

SBE/MBE/WBE/DBE Initial Capital Contributions: \$	%
Future capital contributions (explain requirements) (attach additional sheets if necessary):	
Source of Funds for the SBE/MBE/WBE/DBE Capital Contributions:	
Describe the portion of the work or elements of the business controlled by the SBE/MBE/WBE or DBE (attach additional sheets if necessary):	
Describe the portion of the work or elements of the business controlled by non-SBE/MBE/WBE or DBE: (attach additional sheets if necessary)	

JOINT VENTURE ELIGIBILITY FORM

General Information

Describe the SBE/MBE/WBE or DBE's involvement in the overall management of the joint venture (e.g., participation on a management committee or managing board voting rights, etc.) (attach additional sheets if necessary)

Describe the SBE/MBE/WBE or DBE's share in the profits of the joint venture:

Describe the SBE/MBE/WBE or DBE's share in the risks of the joint venture:

Describe the roles and responsibilities of each joint venture participant with respect to managing the joint venture (use additional sheets if necessary):

a. SBE/MBE/WBE or DBE joint venture participant:

b. Non- SBE/MBE/WBE or DBE joint venture participant:

Describe the roles and responsibilities of each joint venture participant with respect to operation of the joint venture (use additional sheets if necessary):

a. SBE/MBE/WBE or DBE joint venture participant:

b. Non- SBE/MBE/WBE or DBE joint venture participant:

Which firm will be responsible for accounting functions relative to the joint venture's business?

Explain what authority each party will have to commit or obligate the other to insurance and bonding companies, financing institutions, suppliers, subcontractors, and/or other parties?

Please provide information relating to the approximate number of management, administrative, support and non-management employees that will be required to operate the business and indicate whether they will be employees of the SMWBE, non-SMWBE or joint venture:

	Non- SBE/MBE/WBE/DBE	SBE/MBE/WBE/DBE	Joint Venture
Management			
Administrative			
Support			
Hourly Employees			

JOINT VENTURE ELIGIBILITY FORM

General Information

Please provide the name of the person who will be responsible for hiring employees for the joint venture.

Who will they be employed by?

Are any of the proposed joint venture employees currently employees of any of the joint venture partners?

Yes
(Y)

No
(N)

If yes, please list the number and positions and indicate which firm currently employs the individual(s), (use additional sheets if necessary)

Number of employees	Position	Employed By

Attached a copy of the proposed joint venture agreement, promissory note or loan agreement (if applicable), and any and all written agreements between the joint venture partners.

List all other business relationships between the joint venture participants, including other joint venture agreements in which the parties are jointly involved.

If there are any significant changes in or pertaining to this submittal, the joint venture members must immediately notify the Division of Small Business Opportunity.

COMP-FRM-015

CITY AND COUNTY OF DENVER
DEPARTMENT OF PUBLIC WORKS
Engineering Division

CONTRACT NO. 201100329 formerly CE10052
PROJECT NAME: Colfax Avenue Enhanced Transit Corridor

ADDENDUM NO. 1 TO CONTRACT DOCUMENTS

Bidders are hereby instructed that the drawings, specifications, and other contract documents are modified, corrected, supplemented and/or superseded for the above mentioned project as hereinafter described in the following attachments:

BID FORM AND SUBMITTAL PACKAGE

None

BID DOCUMENT PACKAGE

None

SPECIFICATIONS & PLANS

None

QUESTIONS & ANSWERS

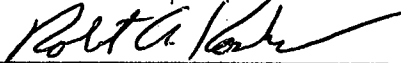
Question: On sheet E-02 of the plan set it shows "A" Existing half sphere light standard to be removed. However, the bid tab calls for Existing Light Standard "A" (add banner arms). Are we to replace the existing poles with new banner poles or just remove the luminaries arm and install banner arms on the existing pole, can you please clarify?

City Response: Existing poles will be removed.

SUPPLEMENTAL INFORMATION

- Contract No. has been changed from CE10052 to 201100329.


This **ADDENDUM** shall be attached to, become a part of, and be returned with the Bid Proposal.


for Lesley B. Thomas
City Engineer

03/30/11

Date

The undersigned bidder acknowledges receipt of this Addendum. The Proposal submitted herewith is in accordance with the stipulations set forth herein.


Contractor

ADDENDUM NO. 1

DATE: 3/30/11



**CITY AND COUNTY OF DENVER
DEPARTMENT OF PUBLIC WORKS
Engineering Division**

**PROJECT NO. CE10052
COLFAX BUSINESS IMPROVEMENT DISTRICT**

STATEMENT OF QUANTITIES

<u>Item No.</u>	<u>Description</u>	<u>Estimated Quantity</u>
SCHEDULE A – COLFAX BUSINESS IMPROVEMENT DISTRICT (CBID)		
202	Removal of Sidewalk	986 SY
202	Removal of Curb and Gutter	73 LF
202	Removal of Pavement	9 SY
203	Potholing	60 HR
208	Stormwater Management	1 LS
210	Reset Valve Box	2 EA
403	Hot Mix Asphalt (Patching) (Full Depth)	6 TON
608	Concrete Sidewalk (4 Inch) (w/ Fiber)	963 SY
608	Concrete Curb Ramp (w/ Fiber)	24 SY
608	Truncated Domes	41 SF
609	Curb & Gutter (6 Inch w/ 2 Foot Pan) (w/ Fiber) (Special)	73 LF
613	Existing Light Standard Type "A" (add banner arms)	27 EA
613	Existing Light Standard Type "D" (add banner arms)	33 EA
613	New Light Standard 70W HPS Type "H"	127 EA
613	New Light Standard 70W HPS Type "M"	4 EA
613	New Lighting Control Center (with electric service)	10 EA
613	Existing Lighting Control Center (rework of existing equipment and circuits)	8 EA
613	1 Inch Electrical Conduit (Bored)	7,529 LF
613	2 Inch Electrical Conduit (Bored)	2,135 LF
622	Bollard	24 EA
625	Construction Surveying	1 LS
626	Mobilization	1 LS
630	Construction Traffic Control	1 LS



**CITY AND COUNTY OF DENVER
DEPARTMENT OF PUBLIC WORKS
Engineering Division**

**PROJECT NO. CE10052
COLFAX BUSINESS IMPROVEMENT DISTRICT**

STATEMENT OF QUANTITIES

<u>Item No.</u>	<u>Description</u>	<u>Estimated Quantity</u>
SCHEDULE B – GREEKTOWN		
202	Removal of Sidewalk	812 SY
202	Removal of Curb and Gutter	749 LF
202	Removal of Pavement	114 SY
203	Potholing	20 HR
203	Unclassified Excavation	41 CY
207	Topsoil (Imported)	16 CY
208	Stormwater Management	1 LS
210	Reset Ground Sign	4 EA
210	Reset Valve Box	11 EA
210	Adjust Water Meter	1 EA
210	Adjust Curb Stop	5 EA
210	Remove Planter	3 EA
210	Reset Trash Receptacle	1 EA
210	Replace Survey Monument	12 EA
213	Tree Grate	8 EA
213	Mulch (Wood Chip)	125 CF
214	Deciduous Tree (2-1/2 Inch Caliper)	14 EA
214	Landscape Maintenance	1 LS
403	Hot Mix Asphalt (Patching) (Full Depth)	60 TON
412	Concrete Pavement (6 Inch)	24 SY
608	Concrete Sidewalk (4 Inch) (w/ Fiber)	690 SY
608	Concrete Curb Ramp (w/ Fiber)	106 SY
608	Truncated Domes	265 SF
609	Curb & Gutter (6 Inch w/ 2 Foot Pan) (w/ Fiber)	726 LF
609	Curb & Gutter (6 Inch w/ 2 Foot Pan) (w/ Fiber) (Spill)	24 LF
613	Existing Light Standard to remain Type "G" (add banner arms and repaint)	8 EA
613	New Light Standard 70W HPS Type "K"	28 EA
613	New Lighting Control Center (with electric service)	1 EA
613	Existing Lighting Control Center (rework of existing equipment and circuits)	2 EA



CITY AND COUNTY OF DENVER
DEPARTMENT OF PUBLIC WORKS
Engineering Division

PROJECT NO. CE10052
COLFAX BUSINESS IMPROVEMENT DISTRICT

STATEMENT OF QUANTITIES

<u>Item No.</u>	<u>Description</u>	<u>Estimated Quantity</u>
613	1 Inch Electrical Conduit (Bored)	1,826 LF
613	2 Inch Electrical Conduit (Bored)	737 LF
619	3/4 Inch Copper Pipe	52 LF
619	1 Inch Plastic Pipe	1,750 LF
619	1-Inch Irrigation Conduit (Bored)	396 LF
619	3-Inch Plastic Pipe	1,578 LF
619	3-Inch Irrigation Conduit (Bored)	1,578 LF
623	Irrigation Bubbler	28 EA
623	3/4-Inch Backflow Preventer	2 EA
623	1-Inch Manual Drain Valve	2 EA
623	1-Inch Automatic Control Valve	3 EA
623	Control Wire 24 Volt	825 LF
623	Power Source Wire	60 LF
623	1-Inch Quick Coupler	5 EA
623	3/4 Inch Ball Valve (Curb Stop)	2 EA
623	1-Inch Gate Valve	4 EA
623	3/4 Inch Water Meter with Tap	2 EA
623	4-Station Automatic Controller	2 EA
622	Bollard	6 EA
625	Construction Surveying	1 LS
626	Mobilization	1 LS
630	Construction Traffic Control	1 LS
	ALTERNATE NO. 1	
608	DEDUCT - Concrete Sidewalk (4 Inch) (w/ Fiber)	-16 SY
608	ADD - Concrete Sidewalk (Special)	143 SF
	ALTERNATE NO. 2	
622	ADD - Bike Rack	10 EA
	ALTERNATE NO. 3	
622	ADD - Planter	18 EA
	ALTERNATE NO. 4	
622	ADD - Bench	5 EA



**CITY AND COUNTY OF DENVER
DEPARTMENT OF PUBLIC WORKS
Engineering Division**

**PROJECT NO. CE10052
COLFAX BUSINESS IMPROVEMENT DISTRICT**

STATEMENT OF QUANTITIES

Item No.	Description	Estimated Quantity
	ALTERNATE NO. 5	
613	ADD - Replace Existing Acorn w/ New Type "L" Acorn Light	36 EA
613	ADD - 1 Inch Electrical Conduit (Bored)	40 LF
613	DEDUCT - Existing Light Standard to remain Type "G" (add banner arms and repaint)	-8 EA
613	DEDUCT - New Light Standard 70W HPS Type "K"	-28 EA

CITY AND COUNTY OF DENVER
DEPARTMENT OF PUBLIC WORKS
Engineering Division

TABLE OF CONTENTS FOR CONTRACT DOCUMENTS

BID FORM AND SUBMITTAL PACKAGE	<u>PAGE</u>
Bid Form and Submittal Package (bound separately and attached as part of these Bid Documents)	
Table of Contents	BF-1
Bidder's Checklist	BF-2 through BF-3
Bid Form and Submittal Package Acknowledgment Form	BF-4 through BF-5
Bid Form	BF-6 through BF-8
List of Proposed Minority and Woman Business Enterprise(s)	BF-9 through BF-12
Commitment to Minority and Woman Business Enterprise Participation	BF-13
Minority and Woman Business Enterprise Letter(s) of Intent & Checklist	BF-14 through BF-15
Joint Venture Affidavit	BF-16
Joint Venture Eligibility Form	BF-17 through BF-19
Bid Bond	BF-20
Bidder / Contractor / Vendor / Proposer Disclosure Form	BF-21 through BF-23
BID DOCUMENTS	
Table of Contents	BDP-1
Statement of Quantities (Schedules A & B)	SQ-1 through SQ-4
Notice of Invitation for Bids	BDP-2 through BDP-3
Instructions to Bidders	BDP-4 through BDP-15
Equal Employment Opportunity Provisions	BDP-16 through BDP-25
Appendix A	
Appendix F	
Contract Form	BDP-26 through BDP-30
Index of the General Contract Conditions	BDP-31 through BDP-35
Special Contract Conditions	BDP-36 through BDP-46
Final/Partial Release and Certificate of Payment Forms (Samples)	BDP-39 through BDP-41
Performance and Payment Bond Form	BDP-47 through BDP-48
Performance and Payment Bond Surety Authorization letter (Sample)	BDP - 49
Notice to Apparent Low Bidder (Sample)	BDP-50 through BDP-51
Notice To Proceed (Sample)	BDP-52
Certificate of Contract Release (Sample)	BDP-53
Prevailing Wage Rate Schedule	12 pages
Project Special Provisions	32 pages
Contract Drawings	141 Sheets

CITY AND COUNTY OF DENVER
DEPARTMENT OF PUBLIC WORKS
Engineering Division

NOTICE FOR INVITATION FOR BIDS
FOR CONTRACT NO. CE10052/201100329

COLFAX AVENUE ENHANCED TRANSIT CORRIDOR

BID SCHEDULE:
11:00 AM, Local Time
APRIL 07, 2011

Sealed bids will be received at the Office of Economic Development (OED) Reception Desk located on the 2nd floor at 201 West Colfax, Denver, CO 80202, beginning at 10:30 a.m., no later than 11:00 a.m., on bid day.

Bids submitted prior to 10:30 a.m. on the specified bid opening date/time shall be presented at the Office of Contract Administration, Attention: Public Works Contract Administration, 201 West Colfax Avenue, Department 614, Denver, Colorado 80202. All properly delivered bids will then be publicly opened and read aloud in Room 1.D.1 on the 1st floor at 201 West Colfax, Denver, Colorado 80202:

Prior to submitting a bid, the bidder shall consult the Contractor's Bulletin Board located at 201 W. Colfax, 2nd Floor, Denver, Colorado, 80202 and/or www.work4denver.com.

GENERAL STATEMENT OF WORK:

Streetscape improvements to include pedestrian lighting, irrigated street trees, concrete sidewalks, curb ramps, curb and gutter and related streetscape items..

ESTIMATED CONSTRUCTION COST:

The estimated cost of construction for this project is between \$1,963,800.00 and \$2,400,200.00.

DOCUMENTS AND BID INFORMATION AVAILABLE:

Contract Documents complete with Technical Specifications and, if applicable, construction drawings will be available on the first day of publication at: www.work4denver.com. To download digital Contract Documents at a cost of \$10.00 per download, reference eBid Document Number #1497450. Contact QuestCDN.com at 952-233-1632 or info@questcdn.com for assistance.

PRE-BID CONFERENCE:

A pre-bid conference will be held for this Project at 10:00 AM, local time, on MARCH 21, 2011. This meeting will take place at: 201 West Colfax, Denver, Colorado 80202 in Conference Room 1.D.1 located on the 1st floor.

DEADLINE TO SUBMIT QUESTIONS:March 29, 2011 by or before 12:00 p.m. local time.

PREQUALIFICATION REQUIREMENTS:

Each bidder must be prequalified in **5b CONCRETE** in the **\$3,000,000.00** monetary level in accordance with the City's Rules and Regulations Governing Prequalification of Contractors. Each bidder must have submitted a prequalification application a minimum of ten (10) calendar days prior to the bid opening date. Applications must be submitted to the Department of Public Works, Prequalification Section, 201 West Colfax Avenue, Department 506, Denver, Colorado 80202. To view the Rules and Regulations and to obtain a prequalification application, please visit our website at www.denvergov.org/prequalification or call 720-865-2539 for prequalification information ONLY.

MINORITY AND WOMAN BUSINESS ENTERPRISE PARTICIPATION:

Construction, reconstruction and remodeling contracts made and entered into by the City and County of Denver are subject to Article III, Divisions 1 and 3 of Chapter 28 of the Denver Revised Municipal Code, (Sections 28-31 to 29-36 and 28-52 to 28-90 D.R.M.C) and all Minority and Woman Business Enterprise and Equal Employment Opportunity Rules and Regulations adopted by the Director of the Division of Small Business Opportunity.

Article III, Division 3 of Chapter 28 of the D.R.M.C. directs the Director of the Division of Small Business Opportunity to establish a project goal for expenditures on construction, reconstruction, and remodeling work contracted by the City and County of Denver. The specific goal for this project is:

15.00% Minority and Woman Business Enterprise (M/WBE) Participation

Project goals must be met with certified participants as set forth in Section 28-60, D.R.M.C. or through the demonstration of a sufficient good faith effort under Section 28-62 D.R.M.C. For compliance with good faith requirements under Section 28-62(b), **the M/WBE percentage solicitation level required for this project is 100%.**

The Director of the Division of Small Business Opportunity urges all participants in City construction, reconstruction and remodeling projects to assist in achieving these goals.

MISCELLANEOUS:

Contracts for construction, reconstruction, and remodeling are subject to the City prevailing wage rate requirements established pursuant to Section 20-76, D.R.M.C.

As its best interest may appear, the City and County of Denver reserves the right to reject any or all bids and to waive informalities in bids.

Publication Dates: March 14, 15, 16, 2011

CITY AND COUNTY OF DENVER
DEPARTMENT OF PUBLIC WORKS
Engineering Division

INSTRUCTIONS TO BIDDERS

IB-1 INSTRUCTION TO BIDDERS

These Instructions to Bidders are a part of the Contract Documents and are intended to serve as a guide to bidders. They are general in nature and may be amended or supplemented as needed to support any one specific invitation to bid. Each bidder shall prepare its bid in strict compliance with all requirements of the Contract Documents and by careful application of these instructions.

IB-2 BIDDING

The copy of the Contract Documents contains the Bid Form and Submittal Package for this Project, which must be used to submit a bid hereunder. The bidder must fully complete, execute and submit this Bid Form and Submittal Package, along with any other specified components of the Contract Documents, as its bid for the referenced Project.

A bidder is not required to submit as part of its bid the entire set of Contract Documents distributed by the City pursuant to the Notice of Invitation for Bids, if the bidder executes and submits the Bidder Acknowledgment Form included with the Bid Form and Submittal Package as part of its bid. However, each bidder, by submitting its bid, shall be conclusively presumed to have received and reviewed all of the information contained in the Contract Documents as this term is further defined herein.

Each bid must be enclosed in a sealed envelope, must be addressed to the Manager and must show on the face of the envelope the full name of the bidder, the City Project number, and descriptive title of the Project for which the bid is made.

The advertisement for Notice of Invitation for Bids will identify where and when the bid must be delivered.

IB-3 CONTRACT DOCUMENTS AS PUBLISHED BY CITY

Each bidder shall be responsible for, and shall be deemed to have received, all the information contained in the Contract Documents as distributed by the City pursuant to the Notice of Invitation for Bids, including addenda, whether or not such bidder has reviewed all or part of the Contract Documents in either its hard copy form or in any other format. If organizations or companies other than the City or its design professional distribute the City's Contract Documents for review by prospective bidders, whether in hard copy or via electronic or other media, neither the City nor its design professional shall be responsible for the content, completeness or accuracy of any information distributed or transmitted by any such organization or company.

IB-4 COMPLETING AND SIGNING THE BID FORMS

The bidder must complete the Bid Form by legibly writing or printing in ink, in words and figures as required, all the bidder's prices offered for the Work to be performed. All blank spaces, which require a response of the bidder, must be properly completed in full. If in the process of evaluating a bid, words and figures, as written on the Bid Form by the bidder, do not agree, the written words will govern.

For Bid Forms requiring unit price bids, the bidder shall write in the Bid Form spaces provided a unit price for each item for which a quantity is given and shall also write the product of each unit price and the quantity specified in the "Amount" or "Total" space provided.

Each bidder must sign the Bid Form and give the bidder's current business address. If an individual, the signature must be of the individual offering the bid; if a partnership, the signature must be that of a general partner; and if a corporation, both the president and the secretary must sign and the seal of the corporation must be affixed. Signatures of other persons may be acceptable if the bid contains sufficient evidence, satisfactory to the City in its sole discretion, to indicate that the other persons are authorized to bind the bidder.

IB-5 UNACCEPTABLE BIDS

The City will not accept bids from Bidders not prequalified with the Department of Public Works (if prequalification is required for this project), in arrears to the City upon debt or contract, or which are defaulters (as surety or otherwise) upon any obligation to the City.

IB-6 INFORMAL AND UNBALANCED BIDS

Any alteration, interlineations, erasure, omission, deletion or addition by the bidder to the Bid Form and Submittal Package or other parts of the Contract Documents submitted with the Bid Form and Submittal Package, as originally issued to the bidder, shall render the accompanying bid informal and may constitute cause for rejection.

Any unauthorized addition, conditional or alternate bids, failure to provide a unit price, lump sum amount or authorized alternate item specified or other irregularities of any kind which tend to render the bid incomplete, indefinite or ambiguous shall render the bid informal and may constitute cause for rejection.

Bids that are unbalanced so that each item does not reasonably carry its own proportion of cost or that contain inadequate or unreasonable prices for any item may be rejected. Bids, which have not acknowledged all addenda to the Contract Documents issued for this bid, may also be rejected.

The right is reserved by the City to reject any or all bids and to waive any informalities where it is deemed by the City to be in the best interests of the City to do so.

IB-7 ONLY ONE BID ACCEPTED

The City will accept only one bid for the same work from any one bidder. This includes bids that may be submitted under different names by one business enterprise.

IB-8 BID GUARANTEE

As a guarantee of good faith on the part of the bidder, each bid must be accompanied by a bid guarantee, consisting of either a certified or cashier's check made payable without condition to the order of the City and County of Denver or a bid bond written by an approved corporate surety in favor of the City and County of Denver. If the bid of a bidder is acceptable and the bidder is notified by the Manager that it is considered to be the Apparent Low Bidder and said bidder fails to execute a contract in the form prescribed or to furnish a performance and payment bond with a legally responsible and approved surety or to furnish the required evidence of insurance or satisfy all conditions precedent to contract execution within five (5) days after such notice is made by the City, said bid guarantee shall be forfeited to the City as liquidated damages and not as a penalty.

The bid guarantee shall be in the amount of five percent (5%) of the total bid unless otherwise specified in the Notice of Invitation for Bids and on the form appearing in the Contract Documents in the Bid Form and Submittal Package. Failure to submit a proper bid guarantee, satisfying all of the requirements specified herein and on the form provided herein shall render the bid nonresponsive and may constitute cause for rejection.

Following award and execution of the Contract by the Apparent Low Bidder, or earlier in the sole discretion of the City, bid guarantees of all but the Apparent Low Bidder will be returned. When the Apparent Low Bidder executes the Contract and delivers to the City satisfactory performance and payment bonds, required insurance documentation, and has satisfied all conditions precedent to contract execution by the City, and after approval, if any, by the Council of the City of the proposed Contract with the Apparent Low Bidder, the bid guarantee of the Apparent Low Bidder shall be returned. Such return shall be made within one hundred twenty (120) days from date bids are opened unless otherwise specified in the Special Contract Conditions.

IB-9 SITE INSPECTION AND INVESTIGATIONS

Prior to submitting a bid, the bidder is invited to inspect the work site and its surroundings. Although the bidder is not required to make such an inspection before bidding, for purposes of the Contract it shall be conclusively presumed that by failing to make such an inspection, the bidder has waived the right to later

claim additional compensation or time extensions for conditions which would have been evident had the site been inspected.

Drawings and Technical Specifications, defining the Work to be done, were prepared on the basis of interpretation by the design professionals of information derived from investigations of the work site. Such information and data are subject to sampling errors, and the interpretation of the information and data depends to a degree on the judgment of the design professional. In view of this, the bidder is invited to make such additional investigations as the bidder's judgment dictates the need for such investigations. Information about the degree of difficulty of the Work to be done cannot totally be derived from either the Drawings or Technical Specifications or from the Manager or his representatives.

Since the bid information cannot be guaranteed, the Contractor shall have assumed the risks attendant to successful performance of the Work and shall never make claim for additional compensation or time extensions on the grounds that the nature or amount of work to be done was not understood by the bidder at the time of the bidding.

IB-10 INCONSISTENCIES

Any seeming inconsistencies or ambiguities between different provisions of the Contract Documents or any point which the bidder believes requires a decision or interpretation by the City must be inquired into by the bidder by addressing a formal written communication to the Manager of Public Works and sending or delivering it to the offices of the Division of Public Works advertising this Project for bid at least forty-eight (48) hours, excluding Saturdays, Sundays, and holidays, before the time set for the opening of bids

Information about the decision or interpretation made in response to any inquiry will be posted on the Contractor's Bulletin Board (refer to IB-12 CONTRACTOR'S BULLETIN BOARD, for the location of the Contractor's Bulletin Board). If the matter raised requires, in the sole discretion of the Manager, that an addendum to the bid documents be issued, such addendum will be published and each bidder shall be required to acknowledge the addendum by signing and identifying it in the Bid Form when submitting the bid.

After bids are opened, all bidders must abide by the formal response of the Manager, as to any interpretation. The City shall not be bound and the bidder shall not rely on any oral communication, interpretation clarification or determination of the Contract Documents prior to bid opening.

IB-11 WITHDRAWAL OF BID

A bidder may withdraw its bid at any time prior to the time for receipt of bids set forth in the Notice of Invitation for Bids by making written request upon the Manager of Public Works. After such time, no bid may be withdrawn or modified.

Such request must be signed by the persons authorized to bind the bidder as defined in IB-3, COMPLETING AND SIGNING BID FORMS.

IB-12 CONTRACTOR'S BULLETIN BOARD

It shall be conclusively presumed that the bidder has, before submitting any bid, read and shall take full responsibility for all addenda, posted decisions, and other information relevant to the bid posted by the City on the Contractor's Bulletin Board. The Contractor's Bulletin Board is located at 201 W. Colfax, 2nd Floor, Denver, CO 80202, in the Wellington E. Webb Municipal Office Building.

IB-13 PRE-BID MEETING

Bidders are urged to attend the pre-bid meeting(s) scheduled for this Project. Attendance is not mandatory; however, bidders will be held responsible for all information presented at such meeting(s).

IB-14 ADDENDA

As its best interests may require, the City may issue addenda to the Contract Documents. Such addenda shall be posted on the Contractor's Bulletin Board and made available to all persons having purchased a set of Contract Documents as set forth in the Notice of Invitation for Bids contained herein. All bidders must acknowledge receipt of all addenda on the Bid Form at the time of submission of the bid.

IB-15 BID OPENING

Bidders are invited to be present at the bid opening. Unless otherwise suspended, delayed or canceled by posted notice from the Manager, bid opening will occur at the time and place designated in the Notice of Invitation for Bid.

IB-16 EVALUATION OF BIDS AND BASIS OF BID SELECTION

Bids will be evaluated after being read in open meeting at the place designated for such bid opening. All low bidders' bids will be reviewed for responsiveness to the requirements of the Contract Documents and whether or not the bids contain irregularities which could give any bidder an unfair advantage.

Selection will be made on the basis of the lowest, total, responsive, qualified bid, which bid shall include the total base bid set forth on the Bid Form, plus the total of any alternates set forth on the Bid Form and selected by the City during evaluation. Alternates, if any are included in the bid, will be selected in the priority shown on the Bid Form, subject to the limits of available funds. Bid selection will be subject to all requirements and special bidder qualifications contained herein and subject to approval of such resulting Contract in accordance with the Charter and Revised Municipal Code of the City and County of Denver. In addition to all other specified requirements, the City will correct arithmetical errors in all bids and corrected totals only will be considered as the basis of selection.

Upon concluding that the bid is, in fact, the lowest, total, responsive bid to the bidding conditions and that of a responsible, qualified bidder, the City will notify the Apparent Low Bidder.

As its best interests may appear, the City and County of Denver reserves the right to waive informalities in bids, to reject any and all bids and to rebid the Project.

IB-17 NOTICE TO APPARENT LOW BIDDER

The Notice to Apparent Low Bidder, a form of which is included in the Contract Special Conditions Section of the Contract Documents, is issued by the City directly to the selected bidder and informs the bidder that the Manager intends to seek approval of the execution of the Contract by the City in accordance with the Charter and Revised Municipal Code of the City and County of Denver. Specifically, it informs the bidder of its obligations with respect to execution of the Contract and instructs the bidder on how to proceed toward execution of the Contract. The City reserves the right to notify the Apparent Low Bidder, at any time within one hundred twenty (120) days from the date of the opening of the bids, that approval to contract with the Apparent Low Bidder shall be sought in accordance with the Charter and Revised Municipal Code of the City and County of Denver.

In accordance with the terms and conditions contained in the Bid Form and Submittal Package and any additional requirements set forth in the Notice to Apparent Low Bidder or elsewhere in the Contract Documents, the Apparent Low Bidder shall execute the Contract Form contained in the bound sets of Contract Documents made available by the City for execution in the appropriate number of counterparts. The Apparent Low Bidder shall return the fully executed Contract Document sets, along with any supplemental documents required herein, to the City and shall comply with all other conditions precedent to Contract execution within five (5) days of the date of issuance of the Notice to Apparent Low Bidder by the City. Failure to comply with each of these requirements within five (5) days of the date of issuance of the Notice to Apparent Low Bidder by the City shall render the bid nonresponsive and may constitute cause for rejection.

Issuance of such Notice shall not, however, constitute a commitment on the part of the City or create any rights in the Apparent Low Bidder to any contract with the City.

IB-18 EXECUTION OF CONTRACT

The process of executing a contract requires action by both the apparent low bidder and the City. After it notifies the Apparent Low Bidder, the City will prepare sufficient copies of the Contract Documents by incorporating all of the documents submitted by the Apparent Low Bidder into executable copies of the Contract Documents made available pursuant to the Notice of Invitation for Bids. These copies will then be made available to the Apparent Low Bidder who shall thereafter properly sign all of the copies. At this

time, the successful bidder shall also provide certain supplemental documents for incorporation into the Contract Documents. These supplemental documents shall include: the properly executed Certificate of Insurance Forms evidencing the apparent low bidder's satisfactory compliance with the insurance requirements set forth in the Contract Documents; a properly executed Payment and Performance Bond Form and appropriate Power of Attorney evidencing the Apparent Low Bidder's satisfactory compliance with the bonding requirements set forth in the Contract Documents; and documentation of compliance with any other conditions precedent to execution of the Contract by the City set forth in the Contract Documents. The insurance and bond forms contained in the Contract Special Conditions Section of the Contract Documents must be used in satisfying these supplemental document requirements.

These documents are then delivered to the City within the prescribed time period for examination of the documents to determine whether or not the Contractor has correctly executed the Contract and has correctly provided the required supplemental documents and that these documents are satisfactorily and properly completed. From here, all of the documents are forwarded to the City Attorney who will, if the insurance and bonding offered is acceptable and if all other elements of the Contract Documents are in order, recommend that the Manager and the Mayor approve the documents and, when required by the City Charter, prepare an ordinance for submittal to City Council authorizing the execution of the Contract. The City Attorney shall in all applicable instances submit the proposed contract and ordinance to City Council. After City Council approval, the Contract shall be reviewed by the City Attorney and routed for execution by the Mayor, the Clerk for attestation and the Auditor for countersignature and registration. When the total process of contract execution is complete, a Notice to Proceed will be issued and a single executed copy of the Contract will be delivered to the Contractor. Any work performed or materials purchased prior to the issuance of Notice to Proceed is at the Contractor's risk.

IB-19 BONDING REQUIREMENTS

In accordance with the provisions of General Contract Conditions, Title 15, PERFORMANCE AND PAYMENT BONDS, the minimum bonding requirements for this Contract are set forth in the form **CITY AND COUNTY OF DENVER PERFORMANCE AND PAYMENT BOND** contained in the Special Conditions Section of the Contract Documents. Upon receipt of Notice to Apparent Low Bidder, the apparent low bidder must cause this form bond to be purchased, executed and furnished, along with appropriate Powers of Attorney and a surety authorization letter (in form similar to the one attached), to the City in accordance with the instructions contained herein.

IB-20 INSURANCE REQUIREMENTS

The minimum insurance requirements for this Contract are set forth in the Special Conditions Section of the Contract Documents. Bidders are urged to consider, in preparing a bid hereunder, that each condition, requirement or specification set forth in the form certificate must be complied with by the Contractor and all subcontractors performing Work on the Project, unless such requirements are specifically accepted in writing by the City's Risk Management Office. The Contractor must either include all subcontractors performing work hereunder as insureds under each required policy or furnish a separate certificate for each subcontractor. In either case, the Contractor shall insure that each subcontractor complies with all of the coverage requirements.

IB-21 PERMITS AND LICENSES

All permits, licenses and approvals required in the prosecution of the work shall be obtained and paid for by the Contractor.

IB-22 WAGE RATE REQUIREMENTS

In preparing any bid hereunder, the Contractor must comply with and should carefully consider all requirements and conditions of the City's Payment of Prevailing Wages Ordinance, Sections 20-76 through 20-79, D.R.M.C. and any determinations made by the City pursuant thereto.

At the time of the preparation of the Contract Documents, the then-current prevailing wage rates applicable to this Project shall be bound within the Contract Documents made available to potential bidders for the Project. If, more than ten (10) days prior to the actual date of bid opening, the Career Service Board determines that prevailing wages rates different from those bound in the Contract Documents are applicable to one or more of the various classes of laborers, mechanics and workers encompassed by this Project, such

different prevailing wage rates shall be provided in an addendum. If different prevailing wage rates are determined by the Career Service Board ten (10) or less days prior to the actual date of bid opening, the City will determine on a case by case basis in its sole discretion whether such different prevailing wage rates are to be included in an addendum. In conjunction with such determination, the City may elect, in its sole discretion, to postpone the date of bid opening on the Project. In any event, the bidder will be held, at the actual date of bid opening, to those prevailing wage rates incorporated into the Contract Documents and as modified by any such addenda.

These prevailing wage rates shall be considered the **minimum** City prevailing wage rates to be paid by all contractors or subcontractors for a period not to exceed one (1) year from the date of the Contract. Increases in prevailing wages subsequent to the date of the Contract for a period not to exceed one (1) year shall not be mandatory on either the contractor or subcontractors. Future increases in prevailing wages on contracts whose period of performance exceeds one (1) year shall be mandatory for the contractor and subcontractors only on the yearly anniversary date of the Contract. The **minimum** City prevailing wage rate for any such subsequent yearly period or portion thereof shall be the wage rates in effect on the yearly anniversary date of the contract which begins such subsequent period. In no event shall any increases in prevailing wages over the amounts thereof as stated in such Technical Specifications and addenda thereto result in any increased liability on the part of the City and the possibility and risk of any such increase is assumed by all contractors entering into any such contract with the City. Decreases in prevailing wages subsequent to the date of the contract for a period not to exceed one year (1) shall not be permitted. Decreases in prevailing wages on contracts whose period of performance exceeds one (1) year shall not be effective except on the yearly anniversary date of the contract.

IB-23 TAX REQUIREMENTS

General. Bidders are referred to the General Contract Condition 322, TAXES, as to taxes to which they may be subject in performing the Work under this Contract, including but not limited to sales and use taxes and the Denver Occupational Privilege Tax. The following instructions are to be considered along with the General Contract Conditions and not in lieu of them.

Sales and Use Tax. Construction and building materials sold to contractors and subcontractors for use on structures, roads, streets, highways, and other public works owned by the City and County of Denver are exempt from state, RTD, and Cultural Facilities District sales and use taxes. However, such materials will be subject to sales and use taxes imposed by the City and County of Denver.

It is the responsibility of the Contractor and its subcontractors to apply to the Colorado Department of Revenue ("CDOR") for a certificate, or certificates, of exemption indicating that their purchase of construction or building materials is for a public project, and to deliver to the City copies of such applications as soon as possible after approval by the CDOR. Bidders shall not include in their bid amounts the exempt state, RTD, and Cultural Facilities District Sales and Use Taxes.

Denver Occupational Privilege Tax. Any employee working for a contractor, or a subcontractor, who earns over \$500 working in Denver during a calendar month, is subject to the payment of the Employee Occupational Privilege Tax. The Contractor and any subcontractor must pay the Business Occupational Privilege Tax for each of its employees who are subject to such tax.

IB-24 DISCLOSURE OF PRINCIPALS

Pursuant to D.R.M.C. 20-69, any bid in excess of \$100,000.00 must be accompanied by a separate detachable page setting forth the following information:

- (1) The name of any officer, director, owner or principal of the business entity, including identity of any shareholder who owns or controls 5% or more of the business entity, and either 1) the names of his or her spouse, and children under eighteen years of age; or 2) a statement that he or she or his or her spouse, or children, if any, under the age of eighteen have or have not made a contribution, as defined in D.R.M.C. 15-32, or contribution in kind, as defined in D.R.M.C. 15-32, to any candidate, as defined in D.R.M.C. 15-32, during the last five years and identifying by name himself or herself or any spouse or child under the age of eighteen who has made such a contribution or contribution in-kind to a candidate.

(2) The names of any subcontractors or suppliers whose share of the bid exceeds \$100,000.00 of the contract or formal bid amount.

(3) The names of any unions with which the bidder has a collective bargaining agreement.

If the total bid amount is in excess of \$500,000.00, the information required in (1) above must be provided at the time of bid submittal, and the information required in (2) and (3) must be submitted in a timely fashion prior to award. The list of subcontractors required by this instrument is different and separate from the bidding list required on BF-4.

If the total bid amount is less than \$500,000.00 but more than \$100,000.00, such information must be provided prior to award of the contract. Failure to provide the required information in a timely fashion shall render any bid to which D.R.M.C. 20-69 applies non-responsive.

While a bidder or supplier who has already disclosed such information need not provide such information with a second or subsequent bid or proposal unless such information has changed, it shall be the responsibility of each such bidder or proposer to verify that such information is still current as of the date of such subsequent bid or proposal and is in fact on file with the City Clerk.

A form, which may be used for such disclosure, is contained in the Special Conditions Section of the Contract Documents. The form is entitled: Bidder/Contractor/Vendor/Proposer Disclosure. Failure to provide or update the required information in a timely fashion shall render any bid to which D.R.M.C. 20-69 applies non-responsive.

IB-25 MINORITY AND WOMAN BUSINESS ENTERPRISE (M/WBE) REQUIREMENTS

Article III, Divisions 1 and 3 of Chapter 28, Denver Revised Municipal Code (D.R.M.C.), designated as Sections 28-31 – 29-36 and 28-52 – 28-90 D.R.M.C. and referred to in these Bid Documents as the “M/WBE Ordinance” and any Rules or Regulations promulgated pursuant thereto apply to this Project and are incorporated into these Bid Documents by reference. Generally, the M/WBE Ordinance provides for the adoption of a good faith goals program, to be administered by the Division of Small Business Opportunity (DSBO), devised to provide increased bidding opportunities for Minority and Woman Business Enterprises (M/WBEs). As such, each bidder must comply with the terms and conditions of the M/WBE Ordinance in making its bid and, if awarded the Contract, in performing all Work thereunder. A bidder’s failure to comply with the M/WBE Ordinance, any Rules or Regulations promulgated pursuant thereto, or any additional requirement contained herein shall render the bid non-responsive and shall constitute cause for rejection. Failure by the contractor awarded the contract to comply with M/WBE Ordinance requirements during the performance of the contract is a material breach of the contract, which may result in the in the imposition of sanctions on the Contractor, as deemed appropriate by DSBO. Copies of the M/WBE Ordinance and its accompanying Rules and Regulations are available for the use and review of bidders from DSBO. In order to comply with the bid requirements of the M/WBE Ordinance, a bidder shall either meet the established project goal or, in the alternative, demonstrate that the bidder has made sufficient good faith efforts to meet the goal in accordance with the M/WBE Ordinance.

Meeting Established Goal

In preparing a bid to meet the established Project goal, bidders should consider the following instructions relating to compliance with the M/WBE Ordinance:

1. Under the M/WBE Ordinance, the Director of DSBO ("Director") is directed to establish project goals for expenditures on construction, reconstruction, and remodeling work performed for the City and County of Denver. The specific goal for this project is stated in the Notice of Invitation for Bids bound herein.
2. In preparing its bid, each bidder shall list on the Bid Form pages entitled "List of Proposed Minority and Woman Business Enterprise Bidders, Subcontractors, Suppliers, Manufacturers, Manufacturers' Representatives or Brokers" the name, address, work description/supply, committed level of participation and other required information for each M/WBE of any tier which the bidder intends to use in performing the work on this Project. **Only the M/WBEs identified and the precise levels of participation listed for each on the Bid Form page, at the time of bid opening, will be considered in determining whether the bidder has met the designated participation goal. Additional, revised or corrected participation submitted after bid opening will not be considered.** M/WBE bidders may count self-performance or joint venture activity in meeting the M/WBE project goal, but only for the scope of work performed as a commercially useful function and at a percentage level the M/WBE will be performing itself.

If a bidder/proposer is participating in a joint venture with a certified M/WBE firm, complete the Joint Venture Eligibility form and Joint Venture Affidavit contained in this bid document/RFP. Submit the aforementioned forms with the firm's Joint Venture Agreement, to the DSBO Director, **at least 5 working days prior to the proposal submittal.** The Joint Venture must be approved prior to the bid opening or proposal submittal by the DSBO Director. Approval by the DSBO Director includes determining the amount the Joint Venture will count towards meeting the project goal.

3. All M/WBEs listed on the Bid Form must be properly certified by the City on or before the date bids are opened in order to count towards meeting the designated goal. DSBO maintains an M/WBE Construction omit construction Directory ("Directory"), which is a current listing of M/WBEs that have been certified by the City. A copy of the DSBO Directory is located at DSBO web site at www.milehigh.com/business/do-business. Bidders are encouraged to use the Directory to assist in locating M/WBEs for the work and supplies required on the Project. Bidders are reminded that changes may be made to the Directory at anytime in accordance with the City's M/WBE Ordinance and procedures established to administer this program and a current copy of the Directory must always be used in preparing a bid. M/WBE certification or listing in the Directory is not a representation or warranty by the City as to the qualifications of any listed M/WBE.
4. In accordance with the provisions of the M/WBE Ordinance, DSBO will evaluate each bid to determine the responsiveness of the bid to the requirements of the M/WBE Ordinance. In determining whether a bidder's committed level of participation meets or exceeds the stated M/WBE goal, DSBO shall base its calculation of applicable amounts and percentages on the total base bid amount, not including any listed alternates, of each bid as follows:
 - a. The bid information provided by the agency will be used to determine the total base bid amount of each bid. Each bidder's total base bid amount will be multiplied by the M/WBE percentage established for the project to determine the exact dollar amount of required M/WBE participation for the Project. This amount will then be compared against the exact dollar amounts for the M/WBE committed for participation by the bidder. If the total dollar amount of participation listed meets or exceeds the established M/WBE dollar amount goal listed, then DSBO will determine that the goal has been met.

- b. In addition, DSBO will determine the exact commitment percentage for each listed M/WBE by dividing the dollar amount listed for each M/WBE by the total base bid dollar amount submitted by the bidder. These individual percentages, when totaled for all listed M/WBE, will establish the total committed percentage level of M/WBE participation that the bidder must comply with during the life of the contract. In all cases, the committed percentage level of M/WBE participation must equal or exceed the assigned M/WBE goal for the Project.
 - c. In providing the exact dollar amount of participation for each listed M/WBE, a bidder should take care never to round up in determining whether or not the total of these amounts meets or exceeds the established percentage goal. The goal must be met or exceeded by dollar amounts and percentages in order for DSBO to determine that the bidder has met or exceeded the applicable M/WBE goal.
 - d. As previously mentioned, compliance with the M/WBE goal will be determined on the base bid alone. If a bid contains alternates, participation contained in any alternate will not count towards satisfaction of the Project goal. However, should any designated alternate be selected by the City for inclusion in the contract ultimately awarded, the M/WBE goal percentage level submitted at bid time, on the base bid, will also apply to the selected alternates and must be maintained for the life of the contract on the total contract amount, including any alternate work. Thus, even though such participation will not be considered in evaluating bids, bidders are urged to consider participation in preparing bids for designated alternates.
 - e. On projects where force account or allowance bid items have been included, bidders must meet the M/WBE goal percentage based upon the total base bid, including all such items that are submitted to the City. However, when a force account or allowance is designated by the City to be either performed or purchased from a specific company, the bidder may back out the dollar amount of the force account or allowance from the total base bid and meet the M/WBE goal on the remaining reduced amount.
 - f. On bids which, at the time of bid opening, are equal to or exceed Five Million Dollars (\$5,000,000.00), including any alternates which may be selected, only sixty percent (60%) of the value of the commercially useful function performed by M/WBE suppliers shall count toward satisfaction of the Project goal. On Projects under Five Million (\$5,000,000.00) the value of the commercially useful function of M/WBE supplier(s) will count at a one hundred percent (100%) level. Manufacturer's representatives and packagers shall be counted in the same manner as brokers.
 - g. In utilizing the M/WBE participation of a Broker only the bona fide commissions earned by such Broker for its performance of a commercially useful function will count toward meeting the Project goals. The bidder must separate the bona fide brokerage commissions from the actual cost of the supplies or materials provided to determine the actual dollar amount of participation that can be counted towards meeting the goal.
5. On or before the third (3rd) working day after bid opening, all of the Bidders are required to submit an executed "M/WBE Letter of Intent" for each M/WBE listed on the Bid Form as a joint venture member, subcontractor, supplier, manufacturer, manufacturers' representative or broker of any tier. An M/WBE Bidder needs to submit a Letter of Intent for themselves, and must identify their level of participation on the designated M/WBE participation page bound herein. A Letter of Intent shall be submitted only for the M/WBEs listed at the time of bid opening, since this is the only participation that will be counted toward satisfaction of the project goal. A form for the M/WBE Letter of Intent is included with the Bid Form. The M/WBE Letter of Intent is a written communication from the Bidder to the City evidencing an understanding that the Bidder has or will enter into a contractual relationship with the M/WBE or that its subcontractor(s) and supplier(s), manufacturer(s), manufacturers' representative(s) and broker(s) will do so. Each M/WBE Letter of Intent shall be accompanied by a copy of the City and County of Denver's M/WBE certification letter for each proposed M/WBE identified at bid time. Bidders are urged to

carefully review these Letters before submission to the City to ensure that they are properly completed and executed by the appropriate parties.

Good Faith Effort.

In preparing a bid to demonstrate a good faith effort, bidders should consider the following instructions relating to compliance with the M/WBE Ordinance:

1. If the bidder or proposer has not fully met the project goal as provided in section 28-60, then it shall demonstrate that it has made good faith efforts to meet such goal. The bidder or proposer shall furnish to the director, within three (3) working days after bid opening by the City or on or before the time of the final project-specific proposal submitted to and authorized by the City pursuant to a competitive selection process, or bid selection by a private owner, a detailed statement of its good faith efforts to meet the project goal set by the director. This statement shall address each of the items in subsection (b) and any additional criteria that the director may establish by rule or regulation consistent with the purposes of this division 3. Good faith efforts must be demonstrated to be meaningful and not merely for formalistic compliance with this division 3. The scope and intensity of the efforts will be considered in determining whether the bidder or proposer has achieved a good faith effort.

2. The statement of good faith efforts shall include a specific response and verification with respect to each of the following good faith effort categories, which may be further defined by rule or regulation. A bidder or proposer may include any additional information it believes may be relevant. Failure of a bidder or proposer to show good faith efforts as to any one (1) of the following categories shall render its overall good faith effort showing insufficient and its bid or proposal non-responsive:
 - a. If prebid or preselection meetings are scheduled by the City at which MBEs and WBEs may be informed of subcontracting or joint venture opportunities under a proposed contract to be bid, or procured pursuant to the competitive selection process, attendance at such prebid or preselection meetings is not mandatory; however, bidders and proposers are responsible for the information provided at these meetings.
 - b. The bidder or proposer must solicit through all reasonable and available means, the interest of all MBEs and WBEs certified in the scopes of work of the contract. The bidder or proposer must solicit the interest of such MBEs and WBEs within sufficient time, prior to the bid opening or date of final project-specific proposal in the case of a competitive selection process, to allow such MBEs and WBEs to respond to the solicitation. The bidder or proposer must determine with certainty if the MBEs and WBEs are interested by demonstrating appropriate steps to follow up initial solicitations.
 - c. The bidder or proposer must select portions of the work of the contract to be performed by MBEs and WBEs in order to increase the likelihood that the project goal will be achieved. This includes, where appropriate, breaking out contract work items into economically feasible units to facilitate MBE and WBE participation as subcontractors or joint venturers, and for bidder or proposer self-performed work, as suppliers, manufacturers, manufacturer's representatives and brokers, all reasonably consistent with industry practice, even when the bidder or proposer would otherwise prefer to perform these work items with its own forces. The bidder or proposer must identify what portions of the contract will be self-performed and what portions of the contract will be opened to solicitation of bids, proposals and quotes from MBE and WBEs. All portions of the contract not self-performed must be solicited for MBE and WBE participation. The ability or desire of a bidder or proposer to perform the work of a contract with its own forces does not relieve the bidder or proposer of the responsibility to meet the project goal or demonstrate good faith efforts to do so.
 - d. The bidder or proposer, consistent with industry practice, must provide MBEs and WBEs at a clearly stated location with timely, adequate access to and information about the plans, specifications, and requirements of the contract,

- including bonding and insurance requirements, if any, to assist them in responding to a solicitation.
- e. The bidder or proposer must negotiate in good faith with interested MBEs and WBEs and provide written documentation of such negotiation with each such MBE or WBE.
 - f. For each MBE or WBE which contacted the bidder or proposer or which the bidder or proposer contacted or attempted to subcontract or joint venture with, consistent with industry practice, the bidder or proposer must supply a statement giving the reasons why the bidder or proposer and the MBE or WBE did not succeed in negotiating a subcontracting, supplier, manufacturer, manufacturer's representative, broker or joint venture agreement, as applicable.
 - g. The bidder or proposer must provide verification that it rejected each non-utilized MBE and WBE because the MBE or WBE did not submit the lowest bid or it was not qualified. Such verification shall include a verified statement of the amounts of all bids received from potential or utilized subcontractors, suppliers, manufacturers, manufacturer's representatives, brokers or joint venturers on the contract, whether or not they are MBEs or WBEs. In making such a determination of not being qualified, the bidder or proposer shall be guided by the definition of qualified in section 28-54(42), but evidence of lack of qualification must be based on factors other than solely the amount of the MBE's or WBE's bid. For each MBE or WBE found not to be qualified by the bidder or proposer, the verification shall include a statement giving the bidder's or proposer's reasons for its conclusion. A bidder's or proposer's industry standing or group memberships may not be the cause of rejection of an MBE or WBE. A bidder or proposer may not reject an MBE or WBE as being unqualified without sound reasons based on a reasonably thorough investigation and assessment of the MBE's or WBE's capabilities and expertise.
 - h. If requested by a solicited MBE or WBE, the bidder or proposer must make reasonable efforts to assist interested MBEs and WBEs in obtaining bonding, lines of credit, or insurance as required by the City or by the bidder or proposer, provided that the bidder or proposer need not provide financial assistance toward this effort.
 - i. If requested by a solicited MBE or WBE, the bidder or proposer must make reasonable efforts to assist interested MBEs and WBEs in obtaining necessary and competitively priced equipment, supplies, materials, or related assistance or services for performance under the contract, provided that the bidder or proposer need not provide financial assistance toward this effort.
 - j. The bidder or proposer must use the DSBO MBE/WBE directories to identify, recruit, and place MBEs and WBEs.
3. In determining whether a bidder or proposer has satisfied good faith efforts as to a project goal, the success or failure of other bidders or proposers on the contract in meeting such project goal may be considered.

Continuing Commitments.

In accordance with the provisions of the M/WBE Ordinance, the bidder agrees that it is committed to meeting either the M/WBE participation goal or the M/WBE participation set forth in its statement of good faith. This commitment must be expressly indicated on the "Commitment to Minority and Woman Business Enterprise Participation" form included with the Bid Form. This commitment includes the following understandings:

1. The bidder understands it must maintain M/WBE goals throughout the performance of the Contract pursuant to the requirements set out in D.R.M.C. 28-72.
2. The bidder understands that it must establish and maintain records and submit regular reports, as required, which will allow the City to assess progress in achieving the M/WBE participation goal.
3. The bidder understands that if change orders or any other contract modifications are issued under the contract, the bidder shall have a continuing obligation to immediately inform DSBO in writing

of any agreed upon increase or decrease in the scope of work of such contract, upon any of the bases discussed in Section 28-73 of the M/WBE Ordinance, regardless of whether such increase or decrease in scope of work has been reduced to writing at the time of notification.

4. The bidder understands that if change orders or other contract modifications are issued under the contract, that include an increase in scope of work of a contract for construction, reconstruction, or remodeling, whether by amendment, change order, force account 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 M/WBE at the time of contract award, such change orders or contract modification shall be immediately submitted to DSBO for notification purposes. Those amendments, change orders, force accounts or other contract modifications that involve a changed scope of work that cannot be performed by existing project subcontractors or by the contractor shall be subject to a goal for M/WBEs equal to the original goal on the contract which was included in the bid. The contractor shall satisfy such goal with respect to such changed scope of work by soliciting new M/WBEs in accordance with Section 28-73 of the M/WBE Ordinance as applicable, or the contractor must show each element of modified good faith set out in Section 28-75(c) of the M/WBE Ordinance. The contractor shall supply to the director the documentation described in Section 28-75(c) of the M/WBE Ordinance with respect to the increased dollar value of the contract.

All bidders are charged with knowledge of and are solely responsible for complying with each and every provision of the M/WBE Ordinance in making a bid and, if awarded, in performing the work described in the Contract Documents. Failure to comply with these provisions could constitute cause for rejection of a bid or subject the selected contractor to sanctions set forth in the M/WBE Ordinance. These instructions are intended only to generally assist the bidder in preparing and submitting a compliant bid. Should any questions arise regarding specific circumstances, bidders must consult the M/WBE Ordinance or contact the Project's designated DSBO representative at (720) 913-1999.

IB-26 DISCLOSURE OF INFORMATION

All submissions and other materials provided or produced pursuant to this Invitation for Bids may be subject to the Colorado Open Records Law, C.R.S. 24-72-201, et seq. As such, bidders are urged to review these disclosure requirements and any exceptions to disclosure of information furnished by another party and, prior to submission of a bid to the City, appropriately identify materials that are not subject to disclosure. In the event of a request to the City for disclosure of such information, the City shall advise the bidder of such request to give the bidder an opportunity to object to the disclosure of designated confidential materials furnished to the City. In the event of the filing of a lawsuit to compel such disclosure, the City will tender all such material to the court for judicial determination of the issue of disclosure and each bidder agrees to intervene in such lawsuit to protect and assert its claims of privilege against disclosure of such material. Each bidder further agrees to defend, indemnify and save and hold harmless the City, its officers, agents and employees, from any claim, damages, expense, loss or costs arising out of the bidder's intervention to protect and assert its claims of privilege against disclosure under the Open Records Law including, but not limited to, prompt reimbursement to the City of all reasonable attorney fees, costs and damages that the City may incur directly or may be ordered to pay by such court.

IB-27 GENERAL BIDDING INFORMATION

Bidders are instructed to contact the Contract Administrator designated below for this Project for pre-bid, post-bid and general City bidding information. Bidders can also visit DenverGov.com for information, both general and project specific. The Contract Administrator assigned to this project is Toni Green who can be reached via email at Toni.green@denvergov.org.

**RULES AND REGULATIONS
REGARDING
EQUAL EMPLOYMENT OPPORTUNITY**

Promulgated and adopted by the Manager of Public Works pursuant to and by authority of Article III, Division 2, Chapter 28 of the Revised Municipal Code of the City and County of Denver, and for the purpose of insuring that contractors, subcontractors and suppliers soliciting and receiving compensation for contract work from or through the City and County of Denver provide equal opportunity in employment without regard to race, color, creed, sex, national origin, age, religion, marital status, political opinion or affiliation or mental or physical handicap and meet certain requirements for the hiring, training, promotion, and treatment during employment of members of ethnic groups subject to differential treatment, including persons of African descent (Black), Spanish-surnamed (Hispanic), Asian-American and American Indian Groups.

RULE I - DEFINITIONS

- A. "City" means the City and County of Denver.
- B. "Manager" shall mean the Manager of Public Works for the City and County of Denver.
- C. "Contract" means a contract entered into with the City and County of Denver, financed in whole or in part by local resources or funds of the City and County of Denver, for the construction of any public building or prosecution or completion of any public work.
- D. "Contractor" means the original party to a contract with the City and County of Denver, also referred to as the "general" or "prime" contractor.
- E. "Director" means the Director of the Division of Small Business Opportunity.
- F. "Subcontractor" means any person, company, association, partnership, corporation, or other entity, which assumes by subordinate agreement some or all of the obligations of the general or prime contractor.
- G. The phrase "Bidding Specifications" as used in Article III, Division 2 of Chapter 28 of the Revised Municipal Code shall include BID CONDITION, INVITATION TO BID, and NOTICE OF PROPOSAL.
- H. "Affirmative Action Program" means a set of specific and result-oriented procedures or steps to which a contractor commits himself to apply every good faith effort to employ members of ethnic minority groups, to include persons of African descent (Black), Spanish surnamed (Hispanic), Asian-American, American Indians, and persons with mental or physical handicap.
- I. "Division of Small Business Opportunity" means the City agency established pursuant to Article III, Division 1 of Chapter 28 of the Denver Revised Municipal Code.

RULE II - NOTICE OF HEARING

When results of conciliation efforts are unsatisfactory to the Manager and he is informed in accordance with Article III, Division 2 of Chapter 28 of the Revised Municipal code that a contractor or subcontractor has apparently failed to meet affirmative action and equal employment opportunity requirements after a reasonable period of notice to correct deficiencies, the Manager will, prior to imposition of any sanctions, afford the general contractor a hearing in order to determine whether the contractor or his subcontractors have failed to comply with the affirmative action and equal employment opportunity requirements of Article III, Division 2 of Chapter 28 of the Revised Municipal Code or of the contract. Written notice of such hearing shall be delivered personally or sent by certified mail, return receipt requested, to the contractor and to any subcontractor involved, at least ten (10) days prior to the date scheduled for the hearing.

RULE III - HEARING

- A. Contractors will appear at hearings and may be represented by counsel, and may present testimony orally and other evidence.
- B. Hearings shall be conducted by one or more hearing examiners designated as such by the Manager.
- C. The Director of the Division of Small Business Opportunity may participate in hearings as a witness.
- D. Hearings shall be held at the place specified in the notice of hearing.
- E. All oral testimony shall be given under oath or affirmation and a record of such proceedings shall be made.
- F. All hearings shall be open to the public.
- G. The hearing officer shall make recommendations to the Manager who shall make a final decision.

REGULATIONS

REGULATION NO. 1 - ORDINANCE:

The Rules and Regulations of the Manager shall be inserted in the bidding specifications for every contract for which bidding is required.

REGULATION NO. 2 - EXEMPTIONS:

Each contract and subcontract, regardless of the dollar amount, shall be subject to affirmative action requirements unless specifically exempted in writing individually by the Manager. Exemptions apply only to "affirmative action" in equal employment opportunity, and are not to be construed as condonation in any manner of "discrimination" or "discriminatory practices" in employment because of race, color, creed, sex, age, national origin, religion, marital status, political opinion or mental or physical handicap.

REGULATION NO. 3 - DIRECTOR OF CONTRACT COMPLIANCE:

The Director of the Division of Small Business Opportunity shall perform the duties assigned to such official by Article III, Division 2 Chapter 28 of the Revised Municipal Code and by the Manager. (1) The Director of the Division of Small Business Opportunity or designated representatives shall inform bidders and contractors of affirmative action procedures, programs, and goals in accordance with the Ordinance at pre-bid and pre-construction conference; (2) make regular on-site inspections; (3) supply contractors and subcontractors with report forms to be completed by them when requested, and furnished to the Director of the Division of Small Business Opportunity; and (4) review payroll records, employment records and practices of general contractors and their subcontractors and suppliers during the performance of any contract. The Director of the Division of Small Business Opportunity shall promptly report apparent affirmative action deficiencies to the Manager.

REGULATION NO. 4 - GOALS AND TIMETABLES:

In general, goals and timetables should take into account anticipated vacancies and the availability of skills in the market place from which employees should be drawn. In addition, where discrimination in employment by a general contractor or any of his subcontractors is indicated, a corrective action program will take into account the need by the general contractor and his subcontractors to correct past discriminatory practices and reach goals of minority manpower utilization on a timely basis through such recruiting and advertising efforts as are necessary and appropriate.

REGULATION NO. 5 - AWARD OF CONTRACTS:

It shall be the responsibility of the Director of the Division of Small Business Opportunity to determine the affirmative action capability of bidders, contractors and subcontractors and to recommend to the Manager the award of contracts to those bidders, contractors and subcontractors and suppliers who demonstrate the ability and willingness to comply with the terms of their contract.

REGULATION NO. 6 - PUBLICATION AND DUPLICATION:

Copies of these Rules and Regulations as amended by the Manager from time to time, shall as soon as practicable and after Notice being published will be made a part of all City Contracts.

REGULATION NO. 7 - NOTICE TO PROCEED:

Prior to issuance of the Notice to Proceed, a sign-off will be required of the Director of the Division of Small Business Opportunity or his designee.

REGULATION NO. 8 - CONTRACTS WITH SUBCONTRACTORS:

To the greatest extent possible, the contractor shall make a good faith effort to contract with minority contractors, subcontractors and suppliers for services and supplies by taking affirmative actions, which include but are not limited to the following:

1. Advertise invitations for subcontractor bids in minority community news media.
2. Contact minority contractor organizations for referral of prospective subcontractors.
3. Purchase materials and supplies from minority material suppliers.

REGULATION NO. 9 - AGENCY REFERRALS:

It shall be no excuse that the union with which the contractor or subcontractor has an agreement providing for referral, exclusive or otherwise, failed to refer minority employees.

REGULATION NO. 10 - CLAUSES:

The Manager shall include the appropriate clauses in every contract and the contractor shall cause to be inserted in every subcontract the appropriate clauses:

1. APPENDIX A: City and County of Denver Equal Opportunity Clause - ALL CONTRACTS funded only with City and County of Denver monies.
2. APPENDIX B: Equal Opportunity Clause (11246) - ALL FEDERAL ASSISTED.
3. APPENDIX C: Section 3 - Assurance of Compliance - HUD ASSISTED PROJECTS.
4. APPENDIX D: Section 3 - Clause - HUD ASSISTED PROJECTS.

All amendments to the appendices shall be included by reference.

REGULATION NO. 11 - SHOW CAUSE NOTICES:

When the Manager has reasonable cause to believe that a contractor has violated Article III, Division 2 of Chapter 28 of the Denver Revised Municipal Code, he may issue a notice requiring the contractor to show cause, within fifteen (15) days why enforcement procedures, or other appropriate action to insure compliance, should not be instituted.

REGULATION NO. 12 - BID CONDITIONS - AFFIRMATIVE ACTION REQUIREMENTS - EQUAL EMPLOYMENT OPPORTUNITY:

1. APPENDIX E: The Bid Conditions - Affirmative Action Requirements - Equal Employment Opportunity as amended and published by the U.S. Department of Labor Employment Standards Administration, Office of Federal Contract Compliance, shall be inserted verbatim for bidding specification for every non-exempt contract involving the use of Federal funds.
2. APPENDIX F: The Bid Conditions - Affirmative Action Requirements - Equal Employment Opportunity as published by the Department of Public Works, City and County of Denver, shall be inserted verbatim as bidding specifications for every non-exempt contract using City funds.

CITY AND COUNTY OF DENVER
DEPARTMENT OF PUBLIC WORKS
Engineering Division

APPENDIX A

**CITY AND COUNTY OF DENVER EQUAL OPPORTUNITY CLAUSE -
ALL CONTRACTS**

1. The Contractor will not discriminate against any employee or applicant for employment because of race, creed, color, sex, age, national origin, religion, marital status, political opinion or affiliation, or mental or physical handicap. The Contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, creed, color, sex, age, national origin, religion, marital status, political opinion or affiliation, or mental or physical handicap. Such action shall include, but not be limited to the following: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The Contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this nondiscrimination clause.
2. The Contractor will, in all solicitations or advertisements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive consideration for employment without regard to race, creed, color, sex, age, national origin, religion, marital status, political opinion or affiliation, or mental or physical handicap.
3. The Contractor will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice to be provided, advising the said labor union or workers' representatives of the contractor's commitments under this section, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.
4. Each Contractor will comply with all provisions of Article III, Division 2 of Chapter 28 of the Revised Municipal Code, and the rules, regulations, and relevant orders of the Manager and the Director.
5. The Contractor will furnish all information and reports required by Article III, Division 2 of Chapter 28 of the Revised Municipal Code, and by rules, regulations and orders of the Manager and Director or pursuant thereto, and will permit access to his books, records, and accounts by the Manager, Director, or their designee for purposes of investigation to ascertain compliance with such rules, regulations, and orders.
6. In the event of the Contractor's noncompliance with the nondiscrimination clauses of this contract or with any of the said rules, regulations or orders, this contract may be canceled, terminated, or suspended in whole or in part and the Contractor may be declared ineligible for further City contracts in accordance with procedures authorized in Article III, Division 2, Chapter 28 of the Revised Municipal Code, or by rules, regulations, or order of the Manager.
7. The Contractor will include Regulation 12, Paragraph 2 and the provisions of paragraphs (1) through (6) in every subcontract of purchase order unless exempted by rules, regulations, or orders of the Manager issued pursuant to Article III, Division 2, Chapter 28 of the Revised Municipal Code, so that such provisions will be binding on each subcontractor or supplier. The Contractor will take such action with respect to any subcontract or purchase order as the administering agency may direct as a means of enforcing such provisions, including sanctions for noncompliance.

The applicant further agrees to be bound by the above equal opportunity clauses with respect to its own employment practices when it participates in City contracts. The Contractor agrees to assist and cooperate actively with the Manager and the Director in obtaining compliance of subcontractors and suppliers with the equal opportunity clause and the rules, regulations and relevant orders of the Manager, and will furnish the Manager and the Director such information as they may require for the supervision of compliance, and will otherwise assist the Manager and Director in the discharge of the City's primary responsibility for

securing compliance. The Contractor further agrees to refrain from entering into any contract or contract modification subject to Article III, Division 2 of Chapter 28 of the Revised Municipal Code with a contractor debarred from, or who has not demonstrated eligibility for, City contracts.

The Contractor will carry out such sanctions and penalties for violation of the equal opportunity clause as may be imposed upon contractors and subcontractors by the Manager and Director. In addition, the Contractor agrees that failure or refusal to comply with these undertakings the Manager may take any or all of the following actions:

- A. Cancellation, termination, or suspension in whole or in part of this contract.
- B. Refrain from extending any further assistance to the applicant under the program with respect to which the failure occurred until satisfactory assurance of future compliance has been received from such applicant.
- C. Refer the case to the City Attorney for appropriate legal proceedings.

SUBCONTRACTS: Each prime Contractor or Subcontractor shall include the equal opportunity clause in each of its subcontracts.

CITY AND COUNTY OF DENVER
DEPARTMENT OF PUBLIC WORKS
Engineering Division

APPENDIX F

AFFIRMATIVE ACTION REQUIREMENTS

EQUAL EMPLOYMENT OPPORTUNITY

For All Non-Exempt Construction Contracts to Be Awarded by the
City and County of Denver, Department of Public Works.

NOTICE

EACH BIDDER, CONTRACTOR OR SUBCONTRACTOR (HEREINAFTER THE CONTRACTOR) MUST FULLY COMPLY WITH THE REQUIREMENTS OF THESE BID CONDITIONS AS TO EACH CONSTRUCTION TRADE IT INTENDS TO USE ON THIS CONSTRUCTION CONTRACT, AND ALL OTHER CONSTRUCTION WORK (BOTH CITY AND NON-CITY) IN THE DENVER AREA DURING THE PERFORMANCE OF THIS CONTRACT OR SUBCONTRACT. THE CONTRACTOR COMMITS ITSELF TO THE GOALS FOR MINORITY MANPOWER UTILIZATION, AS APPLICABLE, AND ALL OTHER REQUIREMENTS, TERMS AND CONDITION OF THESE BID CONDITIONS BY SUBMITTING A PROPERLY SIGNED BID.

THE CONTRACTOR SHALL APPOINT A COMPANY EXECUTIVE TO ASSUME THE RESPONSIBILITY FOR THE IMPLEMENTATION OF THE REQUIREMENTS, TERMS AND CONDITIONS OF THESE BID CONDITIONS.

/s/ _____

Manager of Public Works
City and County of Denver

A. REQUIREMENTS - AN AFFIRMATIVE ACTION PLAN:

Contractors shall be subject to the provisions and requirements of these bid conditions including the goals and timetables for minority* and female utilization, and specific affirmative action steps set forth by the Division of Small Business Opportunity (DSBO). The contractor's commitment to the goals for minority, and female utilization as required constitutes a commitment that it will make every good faith effort to meet such goals.

1. GOALS AND TIMETABLES:

The goals and timetables for minority and female participation, expressed in percentage terms for the contractor's aggregate workforce in each trade are as follows:

GOALS FOR MINORITY PARTICIPATION FOR EACH TRADE	GOALS FOR FEMALE PARTICIPATION FOR EACH TRADE
From January 1, 1982 to Until Further Notice	From January 1, 1982 to Until Further Notice
21.7% - 23.5%	6.9%

The goals for minority and female utilization above are expressed in terms of hours of training and employment as a proportion of the total number of hours to be worked by the contractor's aggregate workforce, which includes all supervisory personnel, in each trade, on all projects for the City and County of Denver during the performance of its contract (i.e., The period beginning with the first day of work on the City and County of Denver funded construction contract and ending with the last day of work).

The hours of minority and female employment and training must be substantially uniform throughout the length of the contract in each trade and minorities and females must be employed evenly on each of a contractor's projects. Therefore, the transfer of minority or female employees from contractor to contractor or from project to project for the purpose of meeting the contractor's goals shall be a violation of these Bid Conditions.

If the Contractor counts the nonworking hours of apprentices they must be employed by the Contractor during the training period; the Contractor must have made a commitment to employ apprentices at the completion of their training subject to the availability of employment opportunities; and the apprentices must be trained pursuant to training programs approved by the Bureau of Apprenticeship and Training.

* "Minority" is defined as including, Blacks, Spanish Surname Americans, Asian Americans, and American Indians, and includes both men and minority women.

2. SPECIFIC AFFIRMATIVE ACTION STEPS:

No contractor shall be found to be in noncompliance solely on account of its failure to meet its goals, but will be given an opportunity to demonstrate that the contractor has instituted all the specific affirmative action steps specified and has made every good faith effort to make these steps work toward the attainment of its goals within the timetables, all to the purpose of expanding minority and female utilization in its aggregate workforce. A contractor, who fails to comply with its obligation under the Equal Opportunity Clause of its contract and fails to achieve its commitments to the goals for minority and female utilization has the burden of proving that it has engaged in an Affirmative Action Program directed at increasing minority and female utilization and that such efforts were at least as extensive and as specific as the following:

- a. The Contractor should have notified minority and female organizations when employment opportunities were available and should have maintained records of the organization's response.

- b. The Contractor should have maintained a file of the names and addresses of each minority and female referred to it by any individual or organization and what action was taken with respect to each such referred individual, and if the individual was not employed by the Contractor, the reasons. If such individual was sent to the union hiring hall for referral and not referred back by the union or if referred, not employed by the Contractor, the file should have documented this and their reasons.
- c. The Contractor should have promptly notified the Department of Public Works, and the Division of Small Business Opportunity when the union or unions with which the Contractor has collective bargaining agreements did not refer to the contractor a minority or female sent by the contractor, or when the Contractor has other information that the union referral process has impeded efforts to meet its goals.
- d. The Contractor should have disseminated its EEO policy within its organization by including it in any employee handbook or policy manual; by publicizing it in company newspapers and annual reports and by advertising such policy at reasonable intervals in union publications. The EEO policy should be further disseminated by conducting staff meetings to explain and discuss the policy; by posting of the policy; and by review of the policy with minority and female employees.
- e. The Contractor should have disseminated its EEO policy externally by informing and discussing it with all recruitment sources; by advertising in news media, specifically including minority and female news media; and by notifying and discussing it with all subcontractors.
- f. The Contractor should have made both specific and reasonably recurrent written and oral recruitment efforts. Such efforts should have been directed at minority and female organizations, schools with substantial minority and female enrollment, and minority and female recruitment and training organizations within the Contractor's recruitment area.
- g. The Contractor should have evidence available for inspection that all tests and other selection techniques used to select from among candidates for hire, transfer, promotion, training, or retention are being used in a manner that does not violate the OFCCP Testing Guidelines in 41 CFR Part 60-3.
- h. The Contractor should have made sure that seniority practices and job classifications do not have a discriminatory effect.
- i. The Contractor should have made certain that all facilities are not segregated by race.
- j. The Contractor should have continually monitored all personnel activities to ensure that its EEO policy was being carried out including the evaluation of minority and female employees for promotional opportunities on a quarterly basis and the encouragement of such employees to seek those opportunities.
- k. The Contractor should have solicited bids for subcontracts from available minority and female subcontractors engaged in the trades covered by these Bid Conditions, including circulation of minority and female contractor associations.

NOTE:

The Director and the Division of Small Business Opportunity will provide technical assistance on questions pertaining to minority and female recruitment sources, minority and female community organizations, and minority and female news media upon receipt of a request for assistance from a contractor.

3. NON - DISCRIMINATION:

In no event may a contractor utilize the goals and affirmative action steps required in such a manner as to cause or result in discrimination against any person on account of race, color, religion, sex, marital status, national origin, age, mental or physical handicap, political opinion or affiliation.

4. COMPLIANCE AND ENFORCEMENT:

In all cases, the compliance of a contractor will be determined in accordance with its obligations under the terms of these Bid Conditions. All contractors performing or to perform work on projects subject to these Bid Conditions hereby agree to inform their subcontractors in writing of their respective obligations under the terms and requirements of these Bid Conditions, including the provisions relating to goals of minority and female employment and training.

B. CONTRACTORS SUBJECT TO THESE BID CONDITIONS:

In regard to these Bid Conditions, if the Contractor meets the goals set forth therein or can demonstrate that it has made every good faith effort to meet these goals, the Contractor shall be presumed to be in compliance with Article III, Division 2 of Chapter 28 of the Revised Municipal Code, the implementing regulations and its obligations under these Bid Conditions. In the event, no formal sanctions or proceedings leading toward sanctions shall be instituted unless the contracting or administering agency otherwise determines that the contractor is violating the Equal Opportunity Clause.

1. Where the Office of Contract Compliance finds that a contractor failed to comply with the requirements of Article III, Division 2 of Chapter 28 of the Revised Municipal Code or the implementing regulations and the obligations under these Bid Conditions, and so informs the Manager, the Manager shall take such action and impose such sanctions, which include suspension, termination, cancellation, and debarment, as may be appropriate under the Ordinance and its regulations. When the Manager proceeds with such formal action it has the burden of proving that the Contractor has not met the goals contained in these Bid Conditions. The Contractor's failure to meet its goals shall shift to it the requirement to come forward with evidence to show that it has met the good faith requirements of these Bid Conditions.
2. The pendency of such proceedings shall be taken into consideration by the Department of Public Works in determining whether such contractor can comply with the requirements of Article III, Division 2 of Chapter 28 of the Revised Municipal Code, and is therefore a "responsible prospective contractor".
3. The Division of Small Business Opportunity shall review the Contractor's employment practices during the performance of the contract. If the Division of Small Business Opportunity determines that the Contractor's Affirmative Action Plan is no longer an acceptable program, the Director shall notify the Manager.

C. OBLIGATIONS APPLICABLE TO CONTRACTORS:

It shall be no excuse that the union with which the Contractor has a collective bargaining agreement providing for exclusive referral failed to refer minority or female employees. Discrimination in referral for employment, even if pursuant to provisions of a collective bargaining agreement, is prohibited by the National Labor Relations Act, as amended, Title VI of the Civil Rights Act of 1964, as amended, and Article III, Division 2 of Chapter 28 of the Revised Municipal Code. It is the policy of the Department of Public Works that contractors have a responsibility to provide equal employment opportunity, if they wish to participate in City and County of Denver contracts. To the extent they have delegated the responsibility for some of their employment practices to a labor organization and, as a result, are prevented from meeting their obligations pursuant to Article III, Division 2, Chapter 28 of the Revised Municipal Code, such Contractors cannot be considered to be in compliance with Article III, Division 2, Chapter 28 of the Revised Municipal Code, or its implementing rules and regulations.

D. GENERAL REQUIREMENTS:

Contractors are responsible for informing their subcontractors in writing regardless of tier, as to their respective obligations. Whenever a Contractor subcontracts a portion of work in any trade covered by

these Bid Conditions, it shall include these Bid Conditions in such subcontracts and each subcontractor shall be bound by these Bid Conditions to the full extent as if it were the prime contractor. The Contractor shall not, however, be held accountable for the failure of its subcontractors to fulfill their obligations under these Bid Conditions. However, the prime contractor shall give notice to the Director of any refusal or failure of any subcontractor to fulfill the obligations under these Bid Conditions. A subcontractor's failure to comply will be treated in the same manner as such failure by a prime contractor.

1. Contractors hereby agree to refrain from entering into any contract or contract modification subject to Article III, Division 2, Chapter 28 of the Revised Municipal Code with a contractor debarred from, or who is determined not to be a "responsive" bidder for the City and County of Denver contracts pursuant to the Ordinance.
2. The Contractor shall carry out such sanctions and penalties for violation of these Bid Conditions and the Equal Opportunity Clause including suspension, termination and cancellation of existing subcontracts and debarment from future contracts as may be ordered by the Manager pursuant to Article III, Division 2, Chapter 28 of the Revised Municipal Code and its implementing regulations.
3. Nothing herein is intended to relieve any contractor during the term of its contract from compliance with Article III, Division 2, Chapter 28 of the Revised Municipal Code, and the Equal Opportunity Clause of its contract with respect to matters not covered in these Bid Conditions.
4. Contractors must keep such records and file such reports relating to the provisions of these Bid Conditions as shall be required by the Office of Contract Compliance.
5. Requests for exemptions from these Bid Conditions must be made in writing, with justification, to the Manager of Public Works, 201 W. Colfax, Dept. 608, Denver, Colorado 80202, and shall be forwarded through and with the endorsement of the Director.

**CITY AND COUNTY OF DENVER
DEPARTMENT OF PUBLIC WORKS
Engineering Division**

CONTRACT NO. CE10052/201100329

COLFAX AVENUE ENHANCED TRANSIT CORRIDOR

CONTRACT

THIS CONTRACT AND AGREEMENT, made by and between the City and County of Denver, a municipal corporation of the State of Colorado, hereinafter referred to as the "City," party of the first part, and

**K.E.C.I. Colorado, Inc.,
5750 W. Airport Road
Sedalia, CO 80135**

hereinafter referred to as the "Contractor," party of the second part,

WITNESSETH, Commencing on **March 14, 2011**, and for at least three (3) days the City advertised that sealed bids would be received for furnishing all labor, tools, supplies, equipment, materials, and everything necessary and required for the following:

CONTRACT NO. CE10052/201100329
COLFAX AVENUE ENHANCED TRANSIT CORRIDOR

WHEREAS, bids pursuant to said advertisement have been received by the Manager of Public Works, who has recommended that a Contract for said work be made and entered into with the above named Contractor who was the lowest, responsive, qualified bidder therefore, and

WHEREAS, said Contractor is now willing and able to perform all of said work in accordance with said advertisement and its bid.

NOW THEREFORE, in consideration of the compensation to be paid the Contractor, the mutual agreements hereinafter contained, and subject to the terms hereinafter stated, it is mutually agreed as follows:

1. CONTRACT DOCUMENTS

It is agreed by the parties hereto that the following list of documents, instruments, technical specifications, plans, drawings and other materials which are attached hereto and bound herewith, incorporated herein by reference or otherwise referenced in these documents constitute and shall be referred to either as the "Contract Documents" or the "Contract," and all of said documents, instruments, technical specifications, Plans, Drawings and other materials taken together as a whole constitute the Contract between the parties hereto, and they are as fully a part of this agreement as if they were set out verbatim and in full herein:

*Advertisement of Notice of Invitation for Bids
Instructions to Bidders
Commitment to M/WBE Participation
Article III, Divisions 1, 2, and 3 of Chapter 28, D.R.M.C.
Bid Bond
Addenda (as applicable)*

Equal Employment Opportunity Provisions (Appendix A and Appendix F)
Bid Form
Contract Form
General Contract Conditions
Special Contract Conditions
Performance and Payment Bond
Notice to Apparent Low Bidder
Notice to Proceed
Contractor's Certification of Payment Form
Final/Partial Lien Release Form
Certificate of Contract Release
Change Orders (as applicable)
Federal Requirements (as applicable)
Prevailing Wage Rate Schedule(s)
Technical Specifications
Contract Drawings
Accepted Shop Drawings

2. SCOPE OF WORK

The Contractor agrees to and shall furnish all labor, tools, supplies, equipment, materials and everything necessary for and required to do, perform and complete all of the Work described, drawn, set forth, shown and included in said Contract Documents.

3. TERMS OF PERFORMANCE

The Contractor agrees to undertake the performance of the Work under this Contract within ten (10) days after being notified to commence work by issuance of a Notice to Proceed in substantially the form contained herein from the Manager and agrees to fully complete said Work within 180 (One Hundred Eighty Days) consecutive calendar days from the effective date of said Notice, plus such extension or extensions of time as may be granted in accordance with the provisions of the General Contract Conditions and any applicable Special Contract Conditions.

4. TERMS OF PAYMENT

The City agrees to pay the Contractor for the performance of all of the Work required under this Contract, and the Contractor agrees to accept as the Contractor's full and only compensation therefore, such sum or sums of money as may be proper in accordance with the price or prices set forth in the Contractor's Bid Form hereto attached and made a part hereof for Colfax Business Improvement District (CBID) Schedule A - Items 202 through 630 (Twenty-Three [23]) and Greektown Schedule B - Items 202 through 630 (Fifty-One [51]), Total Bid Items (Seventy-Four [74]), the total estimated cost thereof being Two Million One Hundred One Thousand Two Hundred Forty-Six Dollars and No Cents (\$2,101,246.00). Adjustments to said Contract Amount and payment of amounts due hereunder shall be made in accordance with the provisions of the General Contract Conditions and any applicable Special Contract Conditions.

5. NO DISCRIMINATION IN EMPLOYMENT

In connection with the performance of the Work under this Contract, the Contractor agrees not to refuse to hire, discharge, promote or demote, or to discriminate in matters of compensation against any person otherwise qualified, solely because of race, color, religion, national origin, gender, age, military status, sexual orientation, marital status, or physical or mental disability; and the Contractor further agrees to insert the foregoing provision in all subcontracts hereunder.

6. COMPLIANCE WITH M/WBE REQUIREMENT

This Contract is subject to all applicable provisions of Divisions 1 and 3 of Article III, of Chapter 28, Denver Revised Municipal Code (D.R.M.C.), designated as Sections 28-31 – 28-36 and 28-52 – 28-90 D.R.M.C. and referred to in this Contract as the "M/WBE Ordinance". Without limiting the general applicability of the foregoing, the Contractor acknowledges its continuing duty, pursuant to Sections 28-72, 28-73 and 28-75 of the D.R.M.C., to maintain throughout the duration of this Contract, compliance with the

level of minority and Woman business enterprise participation, upon which the City approved the award of this Contract to the Contractor and the Contractor further acknowledges that failure to maintain such participation commitments or otherwise comply with the requirements of the M/WBE Ordinance shall subject the Contractor to sanctions in accordance with Section 28-77 of the D.R.M.C. Nothing contained in this provision or in the M/WBE Ordinance shall negate the City's right to prior approval of subcontractors, or substitutes therefore, under this Contract

7. WAGE RATE REQUIREMENTS

In performance of all Work hereunder, the Contractor agrees to comply with and be bound by all requirements and conditions of the City's Payment of Prevailing Wages Ordinance, Sections 20-76 through 20-79, D.R.M.C. and any determinations made by the City pursuant thereto.

8. APPLICABILITY OF LAWS

The Agreement between the Contractor and the City shall be deemed to have been made in the City and County of Denver, State of Colorado and shall be subject to, governed by, and interpreted and construed by or in accordance with the laws of the State of Colorado and the Charter, Revised Municipal Code, Rules, Regulations, Executive Orders and fiscal rules of the City. As such, the Contractor shall at all times comply with the provisions of the Charter, Revised Municipal Code, Rules, Regulations, Executive Orders and fiscal rules of the City, and those State of Colorado and Federal Laws, Rules and Regulations, which in any manner limit, control or apply to the actions or operations of the Contractor, any subcontractors, employees, agents or servants of the Contractor engaged in the Work or affecting the materials and equipment used in the performance of the Work, as the same may be, from time to time, promulgated, revised or amended. The Charter and Revised Municipal Code of the City and County of Denver, as the same may be amended from time to time, are hereby expressly incorporated into this Agreement as if fully set out herein by this reference.

9. APPROPRIATION

The amount of money, which has been appropriated and encumbered for the purpose of this contract, to date, is equal to or in excess of the Contract Amount. The Manager, upon reasonable written request, will advise the Contractor in writing of the total amount of appropriated and encumbered funds, which remain available for payment for all Work under the Contract.

The issuance of any change order or other form or order or directive by the City which would cause the aggregate payable under the contract to exceed the amount appropriated for the contract is expressly prohibited. In no event shall the issuance of any change order or other form of order or directive by the City be considered valid or binding if it requires additional compensable work to be performed, which work will cause the aggregate amount available under the Contract to exceed the amount appropriated and encumbered for this Contract, unless and until such time as the Contractor has been advised in writing by the Manager that a lawful appropriation, sufficient to cover the entire cost of such additional work, has been made.

It shall be the responsibility of the Contractor to verify that the amounts already appropriated for this Contract are sufficient to cover the entire cost of such work, and any work undertaken or performed in excess of the amount appropriated is undertaken or performed in violation of the terms of this contract, without the proper authorization for such work, and at the Contractor's own risk.

10. APPROVALS

In the event this Contract calls for the payment by the City of five hundred thousand dollars (\$500,000.00) or more, approval by the Board of Councilmen of the City and County of Denver, acting by ordinance, in accordance with Section 3.2.6 of the Charter of the City and County of Denver, is and shall be an express condition precedent to the lawful and binding execution and effect and performance of this contract.

11. ASSIGNMENT

The Contractor shall not assign any of its rights, benefits, obligations or duties under this Contract except upon the prior written consent and approval of the Manager to such assignment.

12. DISPUTES RESOLUTION PROCESS

It is the express intention of the parties to this Contract that all disputes of any nature whatsoever regarding the Contract including, but not limited to, any claims for compensation or damages arising out of breach or default under this Contract, shall be resolved by administrative hearing pursuant to the provisions of Section 56-106, D.R.M.C., or, as applicable, Section 28-33 D.R.M.C. for Minority and Woman Business Enterprise disputes. The Contractor expressly agrees that this dispute resolution process is the only dispute resolution mechanism that will be recognized by the parties for any claims put forward by the Contractor, notwithstanding any other claimed theory of entitlement on the part of the Contractor or its subcontractors or suppliers.

13. CONTRACT BINDING

It is agreed that this Contract shall be binding on and inure to the benefit of the parties hereto, their heirs, executors, administrators, assigns and successors.

14. PARAGRAPH 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.

15. SEVERABILITY

It is understood and agreed by the parties hereto that, if any part, term, or provision of this Contract, except for the provisions of this Contract requiring prior appropriation and limiting the total amount to be paid by the City, is by the courts held to be illegal or in conflict with any law of the State of Colorado, the validity of the remaining portions or provisions shall not be affected, and the rights and obligations of the parties shall be construed and enforced as if the Contract did not contain the particular part, term or provision held to be invalid.

16. ELECTRONIC SIGNATURES AND ELECTRONIC RECORDS:

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

Contract Control Number:

Vendor Name:

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

SEAL

CITY AND COUNTY OF DENVER

ATTEST:

By _____

APPROVED AS TO FORM:

REGISTERED AND COUNTERSIGNED:

By _____

By _____

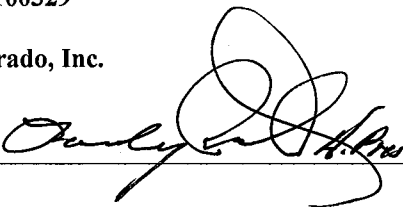
By _____



IN WITNESS WHEREOF, the parties have executed this agreement and affixed their seals at Denver, Colorado as of the day first above written.

Contract Control Number: CE10052/201100329


Vendor Name: K.E.C.I. Colorado, Inc.

By: 

Name: PAUL Y. IWATA
(please print)

Title: PRESIDENT
(please print)

ATTEST: [if required]

By: 

Name: Carol N. Iwata
(please print)

Title: Secretary
(please print)

**CITY AND COUNTY OF DENVER
DEPARTMENT OF PUBLIC WORKS**

General Contract Conditions

INDEX

TITLE 1

DEFINITIONS	1
101 CITY.....	1
102 CONTRACT.....	1
103 CONTRACT AMOUNT.....	1
104 CONTRACT DOCUMENTS.....	1
105 CONTRACT TIME.....	2
106 CONTRACTOR.....	2
107 CONTRACTOR PERSONNEL.....	3
108 DAYS.....	3
109 DEPUTY MANAGER.....	3
110 DESIGNER.....	3
111 FINAL COMPLETION.....	4
112 MANAGER.....	4
113 PRODUCT DATA.....	5
114 PROJECT.....	5
115 PROJECT MANAGER.....	5
116 SAMPLES.....	5
117 SHOP DRAWINGS.....	5
118 SUBCONTRACTOR.....	6
119 SUBSTANTIAL COMPLETION.....	6
120 SUPPLIER.....	6
121 WORK.....	7

TITLE 2

CITY ADMINISTRATIVE ORGANIZATIONS; LINE OF AUTHORITY	9
201 DEPARTMENT OF AVIATION.....	9
202 MANAGER OF AVIATION.....	9
203 DEPARTMENT OF PUBLIC WORKS.....	10
204 MANAGER OF PUBLIC WORKS.....	10
205 BUILDING INSPECTION DIVISION.....	10
206 TRANSPORTATION DIVISION.....	10
207 DESIGN AND CONSTRUCTION MANAGEMENT DIVISION.....	11
208 WASTEWATER MANAGEMENT DIVISION.....	11
209 ZONING ADMINISTRATION.....	11
211 CITY AUDITOR.....	12
212 CITY ATTORNEY.....	13
213 OFFICE OF RISK MANAGEMENT.....	13
214 CITY'S CONTRACT ADMINISTRATION LINE OF AUTHORITY.....	14
215 CITY'S COMMUNICATIONS WITH THE CONTRACTOR.....	14

TITLE 3

CONTRACTOR PERFORMANCE AND SERVICES..... 17

- 301 CONSIDERATION
(CONTRACTOR'S PROMISE OF PERFORMANCE)..... 17
- 302 NOTICE TO PROCEED AND COMPLETION OF THE WORK 18
- 303 EXACT CONTRACTOR PERFORMANCE..... 18
- 304 SUBSTITUTED PERFORMANCE 18
- 305 WORK PERFORMED UNDER ADVERSE
WEATHER CONDITIONS..... 19
- 306 WORKING HOURS AND SCHEDULE 19
- 307 CONTRACTOR'S SUPERINTENDENT 22
- 308 COMMUNICATIONS 23
- 309 CONTRACTOR SUBMITTALS
AND OTHER WRITTEN COMMUNICATIONS TO THE CITY..... 23
- 310 COMPETENCE OF CONTRACTOR'S WORK FORCE 24
- 311 CONDUCT OF CONTRACTOR'S PERSONNEL..... 24
- 312 SUGGESTIONS TO CONTRACTOR..... 25
- 313 WORK FORCE 26
- 314 CONSTRUCTION MACHINES AND STANDBY EQUIPMENT..... 26
- 315 CUTTING AND PATCHING THE WORK 27
- 316 PERMITS AND LICENSES 28
- 317 CONSTRUCTION SURVEYS 29
- 318 PRESERVATION OF PERMANENT
LAND SURVEY CONTROL MARKERS..... 30
- 319 TRADEMARKS, COPYRIGHTS AND PATENTED DEVICES,
MATERIALS, AND PROCESSES 31
- 320 PROJECT SIGNS 32
- 321 PUBLICITY AND ADVERTISING 33
- 322 TAXES 33
- 323 DOCUMENTS AND SAMPLES AT THE SITE..... 36
- 324 CLEANUP DURING CONSTRUCTION 36
- 325 SANITARY FACILITIES 38
- 326 POWER, LIGHTING, HEATING, VENTILATING,
AIR CONDITIONING AND WATER SERVICES 38

TITLE 4

CONTRACT DOCUMENTS (DRAWINGS AND TECHNICAL SPECIFICATIONS) 41

- 401 CONTRACT DOCUMENTS - REVIEW AND INTERPRETATION 41
- 402 OWNERSHIP OF CONTRACT DRAWINGS
AND TECHNICAL SPECIFICATIONS..... 44
- 403 CONTRACT DRAWINGS AND TECHNICAL SPECIFICATIONS
ISSUED TO THE CONTRACTOR..... 45
- 404 REQUESTS FOR INFORMATION OR CLARIFICATION..... 46
- 405 SHOP DRAWINGS, PRODUCT DATA AND SAMPLES..... 47
- 406 SUBSTITUTION OF MATERIALS AND EQUIPMENT 49

TITLE 5

SUBCONTRACTS53

- 501 SUBCONTRACTS..... 53
- 502 SUBCONTRACTOR ACCEPTANCE 54

TITLE 6

TIME OF COMMENCEMENT AND COMPLETION..... 59

- 601 BEGINNING, PROGRESS AND TIME OF COMPLETION 59
- 602 LIQUIDATED DAMAGES; ADMINISTRATIVE COSTS;
ACTUAL DAMAGES..... 59
- 603 DELAY DAMAGES 61

TITLE 7

COOPERATION, COORDINATION AND RATE OF PROGRESS 63
701 COOPERATION WITH OTHER WORK FORCES 63
702 COORDINATION OF THE WORK..... 65
703 COORDINATION OF PUBLIC CONTACT 65
704 RATE OF PROGRESS..... 67

TITLE 8

PROTECTION OF PERSONS AND PROPERTY 69
801 SAFETY OF PERSONS..... 69
802 PROTECTIVE DEVICES AND SAFETY PRECAUTIONS 71
803 PROTECTION OF PROPERTY AND WORK IN PROGRESS 72
804 PROTECTION OF MUNICIPAL, PUBLIC SERVICE
OR PUBLIC UTILITY SYSTEMS 74
805 PROTECTION OF STREET AND ROAD SYSTEM 76
806 PROTECTION OF DRAINAGE WAYS 78
807 PROTECTION OF THE ENVIRONMENT..... 79
808 HAZARDOUS AND EXPLOSIVE MATERIALS OR SUBSTANCES 79
809 ARCHAEOLOGICAL AND HISTORICAL DISCOVERIES..... 80

TITLE 9

COMPENSATION83
901 CONSIDERATION (CITY’S PROMISE TO PAY) 83
902 PAYMENT PROCEDURE 84
903 SCHEDULE OF VALUES IN LUMP SUM CONTRACTS 85
904 UNIT PRICE CONTRACTS..... 86
905 PROGRESS PERIOD..... 87
906 APPLICATIONS FOR PAYMENT 87
907 RELEASES AND CONTRACTORS
CERTIFICATIONS OF PAYMENT 90
908 RETAINAGE 90
909 ADDITIONAL WITHHOLDING OF PROGRESS PAYMENTS 92
910 FINAL ESTIMATE AND PAYMENT 94
911 ACCOUNTING OF COSTS AND AUDIT..... 94

TITLE 10

WAGE 97
1001 PREVAILING WAGE ORDINANCE 97
1002 POSTING OF THE APPLICABLE WAGE RATES 97
1003 RATE AND FREQUENCY OF WAGES PAID 97
1004 REPORTING WAGES PAID 98
1005 FAILURE TO PAY PREVAILING WAGES 99

TITLE 11

CHANGES IN THE WORK, CONTRACT PRICE OR CONTRACT TIME101
1101 CHANGE ORDER101
1102 CITY INITIATED CHANGES101
1103 CONTRACTOR CHANGE REQUEST.....104
1104 ADJUSTMENT TO CONTRACT AMOUNT110
1105 TIME EXTENSIONS117

TITLE 12

CONTRACTOR CLAIMS FOR ADJUSTMENT AND DISPUTES.....121
1201 NOTICE OF INTENT TO CLAIM121
1202 SUBMITTAL OF CLAIMS122
1203 WAIVER OF CLAIMS125

TITLE 13	
DISPUTES	127
1301 DISPUTES.....	127
 TITLE 14	
SITE CONDITIONS	129
1401 DIFFERING SITE CONDITIONS.....	129
1402 SITE INSPECTIONS AND INVESTIGATIONS	130
 TITLE 15	
PERFORMANCE AND PAYMENT BONDS	133
1501 SURETY BONDS	133
1502 PERFORMANCE BOND.....	133
1503 PAYMENT BOND.....	134
 TITLE 16	
INSURANCE AND INDEMNIFICATION.....	135
1601 INSURANCE	135
1602 INDEMNIFICATION	135
 TITLE 17	
INSPECTION AND DEFECTS.....	137
1701 CONSTRUCTION INSPECTION BY THE CITY	137
1702 AUTHORITY OF INSPECTORS	138
1703 OBSERVABLE DEFECTS.....	138
1704 DEFECTS - UNCOVERING WORK	138
1705 LATENT DEFECTS	139
1706 REMOVAL OF DEFECTIVE MATERIALS AND WORK	140
 TITLE 18	
WARRANTIES, GUARANTEES AND CORRECTIVE WORK.....	141
1801 CONTRACTOR'S WARRANTIES, GUARANTEES AND CORRECTION OF WORK	141
1802 PERFORMANCE DURING WARRANTY PERIOD	145
 TITLE 19	
SUBSTANTIAL COMPLETION OF THE WORK.....	147
1901 CONTRACTOR'S NOTICE OF SUBSTANTIAL COMPLETION	147
1902 INSPECTION AND PUNCH LIST.....	147
1903 CERTIFICATE OF SUBSTANTIAL COMPLETION	148
1904 RIGHT OF EARLY OCCUPANCY OR USE	149
 TITLE 20	
FINAL COMPLETION AND ACCEPTANCE OF THE WORK	151
2001 CLEAN-UP UPON COMPLETION	151
2002 FINAL COMPLETION AND ACCEPTANCE OF THE WORK	151
2003 FINAL SETTLEMENT	152
 TITLE 21	
SUSPENSION OF WORK.....	157
2101 SUSPENSION OF WORK.....	157
2102 SUSPENSION OF THE WORK FOR THE CITY'S CONVENIENCE	158
2103 SUSPENSION BECAUSE OF ORDER OF CITY, STATE OR FEDERAL COURT OR AGENCY.....	159
2104 SUSPENSION RESULTING FROM CONTRACTOR'S FAILURE TO PERFORM.....	159

TITLE 22

CITY'S RIGHT TO TERMINATE THE CONTRACT161
2201 TERMINATION OF CONTRACT FOR CAUSE 161
2202 TERMINATION OF CONTRACT
FOR CONVENIENCE OF THE CITY163

TITLE 23

MISCELLANEOUS PROVISIONS.....169
2301 PARTIES TO THE CONTRACT.....169
2302 FEDERAL AID PROVISIONS169
2303 NO WAIVER OF RIGHTS169
2304 NO THIRD PARTY BENEFICIARY170
2305 GOVERNING LAW; VENUE.....170
2306 ABBREVIATIONS171

CITY AND COUNTY OF DENVER
DEPARTMENT OF PUBLIC WORKS
Engineering Division

SPECIAL CONTRACT CONDITIONS

SC-1 CONSTRUCTION SPECIFICATIONS

Except as amended herein or in the attached Technical Specifications, all Work performed under the terms of this Contract shall be governed by the applicable provisions of the following latest editions:

City and County of Denver:

Standard Specifications for Construction, GENERAL CONTRACT CONDITIONS,
(The Index for which is bound herein and commonly referred to as the "Orange Book")
(1999 Edition)

Transportation Standards and Details for the Engineering Division

City and County of Denver Traffic Standard Drawings

Wastewater Management Division

– *Standard Detail Drawings*

– *Storm Drainage and Sanitary Sewer Construction Detail and Technical Specifications*

Colorado Department of Transportation:

Standard Specifications for Road and Bridge Construction
(Sections 200 through 700 of the 2005 Edition)

Federal Highway Administration:

Manual on Uniform Traffic Control Devices for Streets & Highways (MUTCD)

Building & Fire Codes:

Building Code of the City and County of Denver
(International Building Code 2006 Series, City and County of Denver Amendments 2006)

National Fire Protection Association Standards

(As referenced in the Building Code of the City and County of Denver)

The aforementioned City and County of Denver documents are available for review at the Capital Projects Management Office, 201 W. Colfax Ave., Dept. 506, (5th floor), Denver, CO 80202. The *Standard Specifications for Construction, GENERAL CONTRACT CONDITIONS* is available for purchase at the Cashier, 2nd floor at 201 W. Colfax Ave., Denver, Colorado 80202. *Transportation Standards and Details for the Engineering Division* and the Wastewater Management Division – *Standard Detail Drawings*, are available at <http://www.denvergov.org>.

The "Colorado Department of Transportation Standard Specifications for Road and Bridge Construction" is available for review on CDOT's website at <http://www.coloradodot.info/> and can be purchased from the Colorado Department of Transportation.

The *Manual on Uniform Traffic Control Devices for Streets & Highways* is available for review at the Federal Highway Administration Website at: www.fhwa.dot.gov, The FHWA website also contains purchasing information.

SC-2 CONSTRUCTION DOCUMENTS

The construction documents consist of Plans, Technical Specifications and, if applicable, Drawings as identified in the Index for Contract Drawings, the Index for Technical Specifications and any additional Plans attached hereto.

SC-3 DEPUTY MANAGER / CITY ENGINEER

General condition 109 DEPUTY MANAGER is hereby deleted in its entirety and replaced with the following:

The "Deputy Manager" means the official who reports directly to the Manager and exercises supervisory responsibility in the City agency defined in Title 2 herein that is responsible for the Project. The Manager hereby designates the City Engineer as the Deputy Manager for purposes of this Contract. The City Engineer shall have responsibility for this Project and shall undertake all duties, responsibilities, rights and authority, including specific actions and decisions, delegated to the Deputy Manager under the various terms and conditions of this Contract.

SC-4 ENGINEERING DIVISION / CITY ENGINEER

General Condition 206, TRANSPORTATION DIVISION, is hereby deleted in its entirety and replaced with the following:

The Engineering Division is a unit of the Department of Public Works and is supervised by the City Engineer, who is subordinate to the Manager of Public Works. This Division is responsible for the planning, design, construction, operation and maintenance of all of the City's transportation facilities and the planning, design and construction of all of the City's wastewater facilities, except for the City's Municipal Airport System. All other references to the Transportation Division or the Deputy Manager of Public Works for Transportation are deleted and replaced with references to the Engineering Division and City Engineer, respectively.

SC-5 WASTEWATER MANAGEMENT DIVISION

General Condition Section 208, WASTEWATER MANAGEMENT DIVISION, is hereby deleted in its entirety and replaced with the following:

The Wastewater Management Division is a unit of the Department of Public Works and is supervised by the Deputy Manager of Public Works for Wastewater Management, who is subordinate to the Manager of Public Works. This Division is responsible for the operation and maintenance of the City's wastewater facilities.

SC-6 CITY DELEGATION OF AUTHORITY

With reference to General Contract Condition 109, DEPUTY MANAGER, General Contract Condition 206, ENGINEERING DIVISION and General Contract Condition 214, CITY'S CONTRACT ADMINISTRATION LINE OF AUTHORITY, the Manager hereby designates the City Engineer as the City official responsible for those certain actions and decisions designated as the responsibility of the Deputy Manager under the General Conditions and delegates to the City Engineer the authority necessary to undertake those responsibilities under this Contract. The Director shall have supervisory responsibility over the Project Manager. Additionally, Contractor questions concerning the Plans and Technical Specifications shall be directed to:

Denver Department of Public Works / Engineering Division,

Project Manager
City Project Manager
James Mackay

Telephone

(720) 865-3171

Consultant
Harris Kocher Smith Engineering

Name
Mike Kibbee

Telephone
(303) 623-6300

SC-7 LIQUIDATED DAMAGES

Should the Contractor fail to complete all Work within the Contract Time allocated under the Contract Form at Paragraph 3, TERMS OF PERFORMANCE, the Contractor shall become liable to the City and County of Denver for liquidated damages, and not as a penalty, at the rate of \$500.00 for each Day that the Contractor exceeds the time limits herein specified, all in accordance with provisions of General Contract Condition 602, LIQUIDATED DAMAGES; ADMINISTRATIVE COSTS; ACTUAL DAMAGES.

Representative hourly rates for the City administrative costs described in General Contract Condition 602.2 shall be as follows for this Project:

Project Manager	\$69 per hour
Project Engineer	\$63 per hour
Inspector	\$49 per hour
Surveying, if necessary	\$100 per hour

SC-8 SUBCONTRACTS

In accordance with General Contract Condition 501, SUBCONTRACTS, no limit shall apply to that percentage of the Work, which may be sublet providing that the subcontractors receive prior approval in accordance with General Contract Condition 502, SUBCONTRACTOR ACCEPTANCE.

SC-9 PAYMENTS TO CONTRACTORS

In accordance with General Contract Condition 902, PAYMENT PROCEDURE, the party(ies) responsible for review of all Pay Applications shall be:

<u>Agency/Firm</u>	<u>Name</u>	<u>Telephone</u>
Public Works/Engineering Division	Keith Schillereff	(303) 513-6007

In accordance with General Contract Condition 906, APPLICATIONS FOR PAYMENT, each Application submitted shall include the following:

1. The estimate of Work completed shall be based on the approved schedule of values or unit prices, as applicable, and the percent of the Work complete.
2. Each Application for Payment shall include each and every independent subcontractor's payroll information including pay dates and pay amounts.
3. The Contractor shall also submit to the Auditor and other appropriate officials of the City in a timely fashion, information required by General Contract Condition 1004, REPORTING WAGES PAID.

In accordance with General Contract condition 907, RELEASES AND CONTRACTORS CERTIFICATION OF PAYMENT, Applications for Payment must be accompanied by completed Partial or Final Claim Release Form, as appropriate, from EACH subcontractor and supplier, **AND** the Contractors' Certification of Payment Form. The forms, Final/Partial Release and Certificate of Payment (Subcontractor/Supplier) and the Contractor's Certification of Payment, either of which must be used are as follows:

DEPARTMENT OF PUBLIC WORKS
Engineering Division

FINAL/PARTIAL RELEASE AND CERTIFICATE OF PAYMENT
(SUBCONTRACTOR/SUPPLIER)

(PROJECT NO. and NAME)

Date: _____, 20__.

(NAME OF CONTRACTOR)

Subcontract #: _____.

(NAME OF SUBCONTRACTOR/SUPPLIER)

Subcontract Value: \$ _____.

Last Progress Payment: \$ _____.

Date: _____.

Check Applicable Box:

MBE WBE

Total Paid to Date: \$ _____.

Date of Last Work: _____.

The Undersigned hereby certifies that all costs, charges or expenses incurred by the undersigned or on behalf of the undersigned for any work, labor or services performed and for any materials, supplies or equipment provided on the above referenced Project or used in connection with the above referenced Subcontract (the "Work Effort") have been duly paid in full.

The Undersigned further certifies that each of the undersigned's subcontractors and suppliers that incurred or caused to be incurred, on their behalf, costs, charges or expenses in connection with the undersigned's Work Effort on the above referenced Project have been duly paid in full.

In consideration of \$ _____ representing the Last Progress Payment referenced above and in further consideration of the Total Paid to Date, also referenced above, and other good and valuable consideration received and accepted by the undersigned this _____ day of _____, 20__, the Undersigned hereby releases and discharges the City and County of Denver (the "City"), the above referenced City Project, the City's premises and property and the above referenced Contractor from all claims, liens, rights, liabilities, demands and obligations, whether known or unknown, of every nature arising out of or in connection with the performance of the work effort.

As additional consideration for the payments referenced above, the undersigned agrees to defend, indemnify and save and hold harmless the City, its officers, employees, agents and assigns and the above-referenced Contractor from and against all costs, losses, damages, causes of action, judgments under the subcontract and expenses arising out of or in connection with any claim or claims against the City or the Contractor which arise out of the Undersigned's performance of the Work Effort and which may be asserted by the Undersigned or any of its suppliers or subcontractors of any tier or any of their representatives, officers, agents, or employees.

It is acknowledged that this release is for the benefit of and may be relied upon by the City and the referenced Contractor.

The foregoing shall not relieve the undersigned of any obligation under the provisions of the Undersigned's subcontract, as the subcontract may have been amended, which by their nature survive completion of the Undersigned's work effort including, without limitation, warranties, guarantees, insurance requirements and indemnities.

STATE OF COLORADO) ss.
CITY OF _____)

(Name of Subcontractor)

Signed and sworn before me this
day of _____, 20__.

By: _____

Notary Public/Commissioner of Oaths
My Commission Expires

Title: _____



City and County of Denver

Contractor's Certification of Payment (CCP)

Office of Economic Development
Compliance Unit
 201 W. Colfax Ave., Dept. 907
 Denver, CO 80202
 Phone: 720.913.1999
 Fax: 720.913.1803

Pay Application #:	Pay Period:	Amount Requested: \$	
Project #:	Project Name:		
Current Completion Date:	Percent Complete:	Prepared By:	
Contractor:	Phone:	Project Manager:	

(I) - Original Contract Amount: \$		(II) - Current Contract Amount: \$							
Prime/Subcontractor/Supplier Name	MBE WBE	A Original Contract Amount	B % Bid (A/I)	C Current Contract Amount including Amendments	D % Revised (C/I)	E Requested Amount this Pay Application	F Amount Paid Previous Pay	G Net Paid To Date	H Paid % Achieved (G/II)
Total									

The undersigned certifies that the information contained in this document is true, accurate and that the payments shown have been made to all subcontractors and suppliers used on this project and listed herein.

Prepared By (Signature): _____ Date: _____

Page _____ of _____



Office of Economic Development
Division of Small Business Opportunity
Compliance Unit
201 West Colfax Avenue, Dept. 907
Denver, CO 80202
Phone: 720-913-1999
Fax: 720.913-1803

Instructions for Completing the Contractor/Consultant Certification of Payment Form

Note: The attached Contractor/Consultant Certification of Payment form must be completed by the Contractor/Subconsultant and all subcontractors/subconsultant or suppliers used on the project at **any tier** and submitted with each pay application. The Contractor/Consultant is responsible for the accuracy of all information provided and is required to have each subcontractor/subconsultant or supplier fill out the appropriate forms. Please be sure to complete all information requested at the top of the form, including the name of the person who prepared this form.

If you reproduce this form, you must continue to list each of the originally listed firms, as well as any additional firms used during the performance period of the contract.

If you have any questions, please call the Compliance Unit of DSBO at 720.913.1999.

Instructions for Completing the Contractor/Consultant Certification of Payment Form, per Column

Contractor/Subcontractor or Subconsultant/Supplier Name: In the space provided, list all subcontractors/subconsultants and suppliers used on the project. For all MBE/WBEs use the exact name listed in the DSBO Directory.

MBE/WBE/NON: For each name listed, indicate whether the entity is a certified MBE/WBE.

- Column A:** Provide the contract amount, as listed at bid time, for the Contractor/Consultant and each subcontractor/subconsultant or supplier.
- Column B:** Provide the percentage portion of each listed subcontractor/subconsultant or supplier contract amount (Column A) compared to the total original contract amount in (I).
- Column C:** Provide the original contract amount (Column A) for each subcontractor/subconsultant or supplier plus any awarded alternate and/or change order amounts applicable. If an alternate/change order does not apply to the listed firm, re-enter the original contract amount (Column A).
- Column D:** Provide the percent portion of each listed subcontractor/subconsultant or supplier contract amount (Column C) compare to the current total contract amount in (II).
- Column E:** Provide the amount requested for work performed or materials supplied by each listed subcontractor/subconsultant or supplier for this pay application. The sum of the items in this column should equal the estimated amount requested for this pay application.
- Column F:** Provide the amount paid to each subcontractor/subconsultant or supplier on the previous pay application. Enter the previous pay application number in the column heading. The sum of the items listed in this column should equal the warrant amount paid to the Contractor/Consultant on the previous pay application. The amounts paid to the subcontractor/subcontractor or suppliers should be the actual amount of each check issued.
- Column G:** Provide the net paid to date for the Contractor/Subconsultant and each listed subcontractor/subconsultant or supplier.
- Column H:** Provide the percent portion of the net paid to date (Column G) for the Contractor/Subconsultant and each listed subcontractor/subconsultant or supplier of the current total contract amount in (II).

Rev. MBE/WBE Pre-Pre Conf. Instruction for Contractor/Consultant Certification of Payment 1/07-dm

SC-10 WAGE RATE REQUIREMENTS

General Contract Title 10 shall be amended by adding the following:

All work that has specialized skills or that has safety concerns shall be performed by the appropriate level tradesman including, but not limited to, work on energized, or potentially energized, electrical circuits until the circuit has been positively identified as having been de-energized; work on pressurized piping; work on potable waterlines; shoring and scaffolding; work involving handling refrigerants and hazardous materials; heavy equipment operation and work involving asbestos. Work not involving energized circuits, pressurized piping, etc. may be performed by personnel in demolition laborer classifications.

Without limiting the foregoing, the work of drayage shall include all work performed by drivers and workers in connection with the hauling and transport of materials and debris to and from the work site, where such work is part of any continuous hauling or transport effort either originating or terminating directly upon the site of the work. Such drivers and workers shall be paid at the then-current prevailing wage rates designated: TRUCK DRIVER, HEAVY AND HIGHWAY CONSTRUCTION PROJECTS, Prevailing Rate Schedule, for all time spent loading, hauling and unloading materials and debris, regardless of the location of such work.

SC-11 MINORITY BUSINESS ENTERPRISES AND WOMEN BUSINESS ENTERPRISES

In a March 7, 2000 opinion and order of the United States District Court for the District of Colorado, all terms, provisions and requirements relating to the implementation and enforcement of Article III, Divisions I and III, of Chapter 28 of the Denver Revised Municipal Code, (the "MBE/WBE Requirements") in effect as of the adoption of the General Conditions in 1999 were held invalid, and they are hereby deleted. All such terms, provisions and requirements in the General Conditions are hereby replaced with references to the following later-enacted ordinances:

- Denver Revised Municipal Code, Chapter 28 Article III, Division 1 (Sections 28-31 to 28-36) (establishment of Small Business Opportunity Division, "DSBO");
- Denver Revised Municipal Code, Chapter 28 Article III, Division 3 (Sections 28-52 to 28-83) (the "MBE/WBE Requirements"); and
- Denver Revised Municipal Code, Chapter 28, Article VII (Sections 28-201 to 28-234) (the "SBE Requirements").

Such revised provisions of the General Conditions include, without limitation, General Contract Condition 210.

SC-12 CONTRACT FORMS

In accordance with the terms and conditions of the Contract Documents, the City requires the use of certain form documents in complying with or satisfying various obligations, notifications and conditions in contracting with the City or performing Work hereunder. These form documents are referenced by title throughout the Contract Documents for mandatory use as directed. The following are the forms that shall be detached and utilized in accordance with the Contract Documents:

1. Performance and Payment Bond
2. Performance and Payment Bond Surety Authorization Letter (Sample)

The following are forms that will be issued by the City during construction:

1. Notice to Apparent Low Bidder (Sample)
2. Notice To Proceed (Sample)
3. Certificate of Contract Release (Sample)

SC-13 CONSTRUCTION INSPECTION BY THE CITY

General Condition 1701, CONSTRUCTION INSPECTION BY THE CITY, is modified as follows:

1701 Persons who are employees of the City or who are under contract to the City or the City as lessee will be assigned to inspect and test the Work. These persons may perform any tests and observe the Work to determine whether or not designs, materials used, manufacturing and construction processes and methods applied, and equipment installed satisfy the requirements of the drawings and specifications, accepted Shop Drawings, Product Data and Samples, and the General Contractor's warranties and guarantees. The General Contractor shall permit these inspectors unlimited access to the Work and provide means of safe access to the Work, which cost shall be included as a Cost of the Work without any increase to the Guaranteed Maximum Price. In addition, General 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 General Contractor of any of its quality control responsibilities or any other obligations under the Contract. 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 pursuant to G.C. 2002, whether or not previous inspections or tests were conducted by the inspector or a City representative.

.2 The Building Inspection Division will perform building code compliance inspections for structures designed for human occupancy. It is the General Contractor's responsibility to schedule and obtain these inspections. If a code compliance inspection results in identification of a condition which will be at variance to the Contract Documents, the General Contractor shall immediately notify the Project Manager and confirm such notification with formal correspondence no later than forty-eight (48) hours after the occurrence.

.3 When any unit of government or political subdivision, utility or railroad corporation is to pay a portion of the cost of the Work, its respective representatives shall have the right to inspect the Work. This inspection shall not make any unit of government or political subdivision, utility or railroad corporation a party to the Contract, and shall not interfere with the rights of either party.

SC-14 DISPOSAL OF NON-HAZARDOUS WASTE AT DADS

In accordance with the Landfill Agreement made between the City and Waste Management of Colorado, Inc., bidders 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 bidder 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. §25-15-101(6), as amended from time to time, and includes construction debris, soil and asbestos. Bidders shall not use Gun Club Road between I-70 and Mississippi Avenue as a means of access to DADS.

SC-15 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.

SC-16 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 Construction Contract.

SC-17 DEBARRED SUBCONTRACTORS PROHIBITED

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.

SC-18 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 a 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 one hundred dollars per hour of City Attorney time.

SC 19: INSURANCE:

General Condition 1601 is hereby deleted in its entirety and replaced with the following:

(1) **General Conditions:** 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. Contractor shall keep the required insurance coverage in force at all times during the term of the Agreement, or any extension thereof, during any warranty period, and for eight (8) years after termination of the 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 stating "Should any of the above-described policies be canceled or non-renewed

before the expiration date thereof, the issuing company shall send written notice to Denver Risk Management, 201 West Colfax Avenue, Dept. 1105, Denver, Colorado 80202. Such written 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." Additionally, Contractor shall provide written notice of cancellation, non-renewal and any reduction in coverage to the address above by certified mail, return receipt requested. If any policy is in excess of a deductible or self-insured retention, the City must be notified by the Contractor. 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.

(2) **Proof of Insurance:** Contractor shall provide a copy of this Agreement to its insurance agent or broker. Contractor may not commence services or work relating to the Agreement prior to placement of coverage. Contractor certifies that the certificate of insurance attached as part of the Contract Documents, preferably an ACORD certificate, 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 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.

(3) **Additional Insureds:** For Commercial General Liability and Auto Liability, Contractor and subcontractor's insurer(s) shall name the City and County of Denver, its elected and appointed officials, employees and volunteers as additional insured.

(4) **Waiver of Subrogation:** For all coverages, Contractor's insurer shall waive subrogation rights against the City.

(5) **Subcontractors and Subconsultants:** All subcontractors and subconsultants (including independent contractors, suppliers or other entities providing goods or services required by this Agreement) shall be subject to all of the requirements herein and shall procure and maintain the same coverages required of the Contractor. Contractor shall include all such subcontractors as additional insured under its policies (with the exception of Workers' Compensation) or shall ensure that all such subcontractors and subconsultants maintain the required coverages. Contractor agrees to provide proof of insurance for all such subcontractors and subconsultants upon request by the City.

(6) **Workers' Compensation/Employer's Liability Insurance:** 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. Contractor expressly represents to the City, as a material representation upon which the City is relying in entering into this Agreement, that none of the Contractor's officers or employees who may be eligible under any statute or law to reject Workers' Compensation Insurance shall effect such rejection during any part of the term of this Agreement, and that any such rejections previously effected, have been revoked as of the date Contractor executes this Agreement.

(7) **Commercial General Liability:** 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.

(8) **Business Automobile Liability:** Contractor shall maintain Business Automobile Liability with limits of \$1,000,000 combined single limit applicable to all owned, hired and non-owned vehicles used in performing services under this Agreement

(9) **Additional Provisions:**

(a) For Commercial General Liability, the policies must provide the following:

- (i) That this Agreement is an Insured Contract under the policy;
- (ii) Defense costs in excess of policy limits;
- (iii) A severability of interests, separation of insured or cross liability provision; and
- (iv) A provision that coverage is primary and non-contributory with other coverage or self-insurance maintained by the City.

(b) For claims-made coverage:

- (i) The retroactive date must be on or before the contract date or the first date when any goods or services were provided to the City, whichever is earlier

(c) Contractor shall advise the City in the event any general aggregate or other aggregate limits are reduced below the required per occurrence limits. At their own expense, and where such general aggregate or other aggregate limits have been reduced below the required per occurrence limit, the Contractor will procure such per occurrence limits and furnish a new certificate of insurance showing such coverage is in force.

SC-20 DEFENSE AND INDEMNIFICATION

General Condition 1602, INDEMNIFICATION, is modified to read in full as follows:

DEFENSE AND INDEMNIFICATION

- (a) To the fullest extent permitted by law, the Contractor hereby agrees to defend, indemnify, and hold harmless City, its appointed and elected officials, agents and employees against all liabilities, claims, judgments, suits or demands for damages to persons or property arising out of, resulting from, or related to the work performed under this Contract that are due to the negligence or fault of the Contractor or the Contractor's agents, representatives, subcontractors, or suppliers ("Claims"). This indemnity shall be interpreted in the broadest possible manner consistent with the applicable law to indemnify the City.
- (b) 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 suit has been filed and even if Contractor is not named as a Defendant.
- (c) Contractor will defend any and all Claims which may be brought or threatened against City and will pay on behalf of City any expenses incurred by reason of such Claims including, but not limited to, court costs and attorney fees incurred in defending and investigating such Claims or seeking to enforce this indemnity obligation. Such payments on behalf of City shall be in addition to any other legal remedies available to City and shall not be considered City's exclusive remedy.
- (d) Insurance coverage requirements specified in this Contract shall 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 Contract.

SC-21 GREENPRINT DENVER REQUIREMENTS

In accordance with the City and County of Denver Executive Order 123: Greenprint Denver Office and Sustainability Policy (dated October 27, 2007), and the U.S. Green Building Council's Leadership in Energy and Environmental Design (LEED) program, Contractor shall, wherever possible, recycle construction and demolition waste, and install building materials that contain recycled content. Non-hazardous solid waste that is eligible for reuse or recycling is not subject to the DADS disposal requirement defined in SC-14. The Contractor shall recycle and/or reuse construction and demolition waste and implement sustainable development practices on construction projects in compliance with any Project Requirements of the Better Denver Program Sustainability Form that are included in the Contract Documents.

At the Project Pre-Construction Meeting, the Contractor shall provide a written summary of how the Contractor intends to meet any applicable Project Requirement, and the type of documentation to be provided. The Contractor shall maintain and keep current documentation of the materials recycled or reused, organized in accordance with any applicable Closeout Form for Contractors provided in the Contract Documents for the duration of the Project. A copy of the completed Closeout Form, the quantity tabulation, and all supporting documentation for materials reused or recycled shall be delivered to the Project Manager as a submittal requirement of Final Acceptance.

SC-22 CITY AUDITOR AND MANAGER OF FINANCE

Section 211, City Auditor, of the General Contract Conditions, 1999 Edition, is amended to read in its entirety as follows:

211 CITY AUDITOR AND MANAGER OF FINANCE

The City Auditor, an independent elected official, reviews certified payrolls for compliance with prevailing wage requirements before payment is made to a Contractor. The City's Manager of Finance pays the Contractor for Work approved under the Contract.

SC-23 NO EMPLOYMENT OF ILLEGAL ALIENS TO PERFORM WORK UNDER THE AGREEMENT:

a. This Agreement is subject to Division 5 of Article IV of Chapter 20 of the Denver Revised Municipal Code, and any amendments (the "Certification Ordinance").

b. The Contractor certifies that:

- (1) At the time of its execution of this Agreement, it does not knowingly employ or contract with an illegal alien who will perform work under this Agreement.
- (2) It will participate in the E-Verify Program, as defined in § 8-17.5-101(3.7), C.R.S., to confirm the employment eligibility of all employees who are newly hired for employment to perform work under this Agreement.

c. The Contractor also agrees and represents that:

- (1) It shall not knowingly employ or contract with an illegal alien to perform work under the Agreement.
- (2) It shall not enter into a contract with a subconsultant or subcontractor that fails to certify to the Contractor that it shall not knowingly employ or contract with an illegal alien to perform work under the Agreement.
- (3) It has confirmed the employment eligibility of all employees who are newly hired for employment to perform work under this Agreement, through participation in the E-Verify Program.
- (4) It is prohibited from using the E-Verify Program procedures to undertake pre-employment screening of job applicants while performing its obligations under the Agreement, and that otherwise requires the Contractor to comply with any and all federal requirements related to use of the E-Verify Program including, by way of example, all program requirements related to employee notification and preservation of employee rights.
- (5) If it obtains actual knowledge that a subconsultant or subcontractor performing work under the Agreement knowingly employs or contracts with an illegal alien, it will notify such subconsultant or subcontractor and the City within three (3) days. The Contractor will also then terminate such subconsultant or subcontractor if within three (3) days after such notice the subconsultant or subcontractor does not stop employing or contracting with the illegal alien, unless during such three-day period the subconsultant or subcontractor provides information to establish that the subconsultant or subcontractor has not knowingly employed or contracted with an illegal alien.
- (6) It will comply with any reasonable request made in the course of an investigation by the Colorado Department of Labor and Employment under authority of § 8-17.5-102(5), C.R.S, or the City Auditor, under authority of D.R.M.C. 20-90.3.

d. The Contractor is liable for any violations as provided in the Certification Ordinance. If Contractor violates any provision of this section or the Certification Ordinance, the City may terminate this Agreement for a breach of the Agreement. If the Agreement is so terminated, the Contractor shall be liable for actual and consequential damages to the City. Any such termination of a contract due to a violation of this section or the Certification Ordinance may also, at the discretion of the City, constitute grounds for disqualifying Contractor from submitting bids or proposals for future contracts with the City.

CITY AND COUNTY OF DENVER
DEPARTMENT OF PUBLIC WORKS
Engineering Division

Bond No. KA5103

PERFORMANCE AND PAYMENT BOND

KNOW ALL MEN BY THESE PRESENTS, that we, the undersigned K.E.C.I. Colorado, Inc., 5750 W. Airport Road, Sedalia, CO 80135 a corporation organized and existing under and by virtue of the laws of the State of COLORADO, hereafter referred to as the "Contractor", and Contractors Bonding and Insurance Company, a corporation organized and existing under and by virtue of the laws of the State of WASHINGTON, 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 referred to as the "City", in the penal sum of Two Million One Hundred One Thousand Two Hundred Forty-Six Dollars and No Cents (\$2,101,246.00), lawful money of the United States of America, for the payment of which sum, well and truly to be made, we bind ourselves and our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents;

THE CONDITION OF THE FOREGOING OBLIGATION IS SUCH THAT:

WHEREAS, the above bounden Contractor has entered into a written contract with the aforesaid City for furnishing all labor and tools, supplies, equipment, superintendence, materials and everything necessary for and required to do, perform and complete the construction of **CONTRACT NO. CE10052/201100329 COLFAX AVENUE ENHANCED TRANSIT CORRIDOR**, Denver, Colorado, and has bound itself to complete the project within the time or times specified or pay liquidated damages, all as designated, defined and described in the said Contract and Conditions thereof, and in 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;

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 said Surety have executed these presents as of this
3 day of JUNE, 2011.

Attest:

By: *Christina*
Secretary

K.E.C.I. COLORADO, INC.
Contractor

By: *Paul Y. Zavala*
President PAUL Y. ZAVALA / PRES
Contractors Bonding and Insurance Company

Surety
By: *Sheila J. Montoya*
Attorney-In-Fact Sheila J. Montoya

(Accompany this bond with Attorney-in-Fact's authority from the Surety to execute bond, certified to include the date of the bond).

APPROVED AS TO FORM:
Attorney for the City and County of Denver

By: _____
Assistant City Attorney

APPROVED FOR THE CITY AND COUNTY OF
DENVER

By: _____
MAYOR

By: _____
MANAGER OF PUBLIC WORKS



LOCKTON COMPANIES, LLC
8110 E Union Ave, Ste 700 / Denver, CO 80237-2966
303-414-6000 / FAX: 303-865-6000
www.lockton.com



LIMITED POWER OF ATTORNEY

Not Valid for Bonds

Power of Attorney

Executed On or After: JANUARY 31ST, 2012

Number: 254867

READ CAREFULLY - to be used only with the bond specified herein

Only an unaltered original of this Power of Attorney document is valid. A valid original of this document is printed on gray security paper with black and red ink and bears the seal of Contractors Bonding and Insurance Company (the "Company"). The original document contains a watermark with the letters "cbic" embedded in the paper rather than printed upon it. The watermark appears in the blank space beneath the words "Limited Power of Attorney" at the top of the document and is visible when the document is held to the light. This document is valid solely in connection with the execution and delivery of the bond bearing the number indicated below, and provided also that the bond is of the type indicated below. This document is valid only if the bond is executed on or before the date indicated above.

KNOW ALL MEN BY THESE PRESENTS, that the Company does hereby make, constitute and appoint the following: SHEILA J. MONTOYA, MONA D. WEAVER, ANUJ JAIN, ANGELA M. TINDOL and JOHN BROWNING its true and lawful Attorney(s)-in-Fact, with full power and authority hereby conferred in its name, place and stead, to execute, acknowledge and deliver on behalf of the Company: (1) any and all bonds and undertakings of suretyship given for any purpose, provided, however, that no such person shall be authorized to execute and deliver any bond or undertaking that shall obligate the Company for any portion of the penal sum thereof in excess of \$10,000,000, and provided, further, that no Attorney-in-Fact shall have the authority to issue a bid or proposal bond for any project where, if a contract is awarded, any bond or undertaking would be required with penal sum in excess of \$10,000,000; and (2) consents, releases and other similar documents required by an obligee under a contract bonded by the Company. This appointment is made under the authority of the Board of Directors of the Company.

CERTIFICATE

I, the undersigned secretary of Contractors Bonding and Insurance Company, a Washington corporation, DO HEREBY CERTIFY that this Power of Attorney remains in full force and effect and has not been revoked, and, furthermore, that the resolutions of the Board of Directors set forth on the reverse are now in full force and effect.

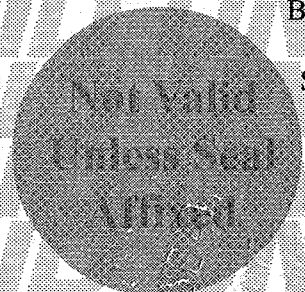
Bond Number KA5103

Signed and sealed this _____ day of _____, _____

R. Kirk Eland, Secretary

CBIC • 1213 Valley Street • P.O. Box 9271 • Seattle, WA 98109-0271
(206) 622-7053 • (800) 765-CBIC (Toll Free) • (800) 950-1558 (FAX)

Post-PCA.08-US8061307





DENVER
THE MILE HIGH CITY

**PERFORMANCE AND PAYMENT BOND
SURETY AUTHORIZATION**

FAX NUMBER: 720-913-3183
TELEPHONE NUMBER: 720-913-3267

Assistant City Attorney
201 W. Colfax Ave. Dept 1207
Denver, Colorado 80202

RE: K.E.C.I. Colorado, Inc.
5750 W. Airport Road, Sedalia, CO 80135
Contract No: CE10052/201100329
Project Name: COLFAX AVENUE ENHANCED TRANSIT CORRIDOR
Contract Amount: \$2,101,246.00
Performance and Payment Bond No.: KA5103

Dear Assistant City Attorney,

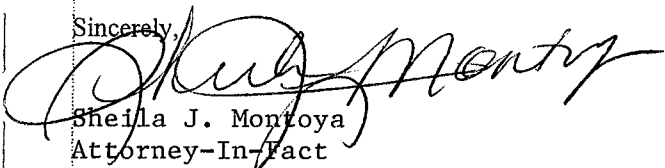
The Performance and Payment Bonds covering the above captioned project were executed by this agency, through Contractors Bonding and Insurance Company insurance company, on April 25, 2011

We hereby authorize the City and County of Denver, Department of Public Works, to date all bonds and powers of attorney to coincide with the date of the contract.

If you should have any additional questions or concerns, please don't hesitate to give me a call at 303-414-6175.

Thank you.

Sincerely,


Sheila J. Montoya
Attorney-In-Fact





CERTIFICATE OF LIABILITY INSURANCE

10/1/2011

DATE (MM/DD/YYYY)

4/22/2011

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 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 rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Lockton Companies, LLC Denver 8110 E Union Avenue Suite 700 Denver CO 80237 (303) 414-6000	CONTACT NAME: _____	
	PHONE (A/C, No, Ext): _____	FAX (A/C, No): _____
E-MAIL ADDRESS: _____		
INSURER(S) AFFORDING COVERAGE		NAIC #
INSURER A: Travelers Indemnity Co.		
INSURER B: Travelers Prop. Casualty Co. of Am.		
INSURER C: Pinnacle Assurance		
INSURER D:		
INSURER E:		
INSURER F:		

COVERAGES KECCO03 V- **CERTIFICATE NUMBER:** 11225866 **REVISION NUMBER:** XXXXXXXX

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)	LIMITS	
A	GENERAL LIABILITY <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR _____ _____ GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input type="checkbox"/> LOC	Y	N	DTCO325D9148	1/1/2011	1/1/2012	EACH OCCURRENCE	\$ 1,000,000
							DAMAGE TO RENTED PREMISES (Ea occurrence)	\$ 300,000
							MED EXP (Any one person)	\$ 5,000
							PERSONAL & ADV INJURY	\$ 1,000,000
							GENERAL AGGREGATE	\$ 2,000,000
							PRODUCTS - COMP/OP AGG	\$ 2,000,000
								\$
B	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> NON-OWNED AUTOS	Y	N	DT810325D9148	1/1/2011	1/1/2012	COMBINED SINGLE LIMIT (Ea accident)	\$ 1,000,000
							BODILY INJURY (Per person)	\$ XXXXXXXX
							BODILY INJURY (Per accident)	\$ XXXXXXXX
							PROPERTY DAMAGE (Per accident)	\$ XXXXXXXX
								\$ XXXXXXXX
A	<input checked="" type="checkbox"/> UMBRELLA LIAB <input type="checkbox"/> EXCESS LIAB <input checked="" type="checkbox"/> RETENTION \$ 10,000		N	DTSMCUP325D9148	1/1/2011	1/1/2012	EACH OCCURRENCE	\$ 5,000,000
							AGGREGATE	\$ 5,000,000
								\$ XXXXXXXX
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A	4048534	10/1/2010	10/1/2011	<input checked="" type="checkbox"/> WC STATUTORY LIMITS <input type="checkbox"/> OTHER	
							E.L. EACH ACCIDENT	\$ 500,000
							E.L. DISEASE - EA EMPLOYEE	\$ 500,000
							E.L. DISEASE - POLICY LIMIT	\$ 500,000
B	Installation Floater			QT6605894N160	1/1/2011	1/1/2012	Per Jobsite Limit: \$500,000 Deductible: \$1,000 \$25,000 Ded for Flood/Quake	

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

RE: Contract No. CE10052/201100329 - Colfax Avenue Enhanced Transit Corridor. The City and County of Denver, its elected and appointed officials, employees and volunteers are named as Additional Insured as respects Commercial General Liability and Business Automobile Liability.

CERTIFICATE HOLDER**CANCELLATION**

11225866

City and County of Denver
 Attn: Department of Public Works
 201 West Colfax, Dept. 611
 Denver, CO 80202

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Charles M. McDaniel



DENVER
THE MILE HIGH CITY

Department of Public Works
Engineering Department

201 W. Colfax Avenue
Denver, CO 80202
www.denvergov.org/PublicWorks

NOTICE OF APPARENT LOW BIDDER
(SAMPLE)

Current Date

To: K.E.C.I. Colorado, Inc.
Sedalia, CO 80135-

Gentlemen:

The MANAGER OF PUBLIC WORKS has considered the Bids submitted on April 07, 2011 for work to be done and materials to be furnished in and for:

PROJECT No. CE10052/201100329 COLFAX AVENUE ENHANCED TRANSIT CORRIDOR

as set forth in detail in the Contract Documents for the City and County of Denver, Colorado. It appears that your Bid is fair, equitable, and to the best interest of the City and County; therefore, said Bid is hereby accepted at the bid price contained herein, subject to execution of the Contract Documents and your furnishing the items specified below, the total cost thereof (Contract Amount Written), (Contract Amount Numeric).

It will be necessary for you to appear forthwith at the office of the Department of Public Works, Engineering Division, Project Management Office, 201 W. Colfax Ave., Dept 506, Denver, Colorado 80202, to receive the said Contract Documents, execute the same and return them to the Department of Public Works, Engineering Division, Project Management Office within the time limit set forth in the Bid Proposal.

In accordance with the requirements set forth in the Contract Documents, you are required to furnish the following documents:

- a. Insurance Certificates: General Liability and Automotive Liability, Workman's Compensation and Employer Liability; or any other coverage required by the contract; and
- b. One original plus four copies of the Power of Attorney relative to Performance and/or Payment Bond;

All construction Contracts made and entered into by the City and County of Denver are subject to Affirmative Action and Equal Opportunity Rules and Regulations, as adopted by the Manager of Public Works, and each contract requiring payment by the City of one-half million dollars (\$500,000.00) or more shall first be approved by the City Council acting by ordinance and in accordance with Section 3.2.6 of the Charter of the City and County of Denver.

Prior to issuance of Notice to Proceed, all Equal Opportunity requirements must be completed. Additional information may be obtained by contacting the Director of Contract Compliance at (720-913-1700).



**NOTICE OF APPARENT LOW BIDDER
(SAMPLE)**

PROJECT NO. CE10052/201100329

Page 2

The Bid Security submitted with your Bid, will be returned upon execution of the Contract and furnishing of the Performance Bond. In the event you should fail to execute the Contract and to furnish the performance Bond within the time limit specified, said Bid Security will be retained by the City and County of Denver as liquidated damages, and not as a penalty for the delay and extra work caused thereby.

Dated at Denver, Colorado this _____ day of _____ 20__.

CITY AND COUNTY OF DENVER

By

Manager of Public Works



Department of Public Works
Engineering Department

201 W. Colfax Avenue
Denver, CO 80202
www.denvergov.org/PublicWorks

Current Date

**NOTICE TO PROCEED
(SAMPLE)**

Name
Company
Street
City/State/Zip

CONTRACT NO. CE10052/201100329, COLFAX AVENUE ENHANCED TRANSIT CORRIDOR

In accordance with General Contract Condition 302 of the Standard Specifications for Construction, General Contract Conditions, 1999 Edition, you are hereby authorized and directed to proceed on _____ with the work of constructing contract number CE10052/201100329, as set forth in detail in the contract documents for the City and County of Denver.

With a contract time of _____ calendar days, the project must be complete on or before _____.

If you have not already done so, you must submit your construction schedule, in accordance with General Contract Condition 306.2.B, to the Project Manager within 10 days. Additionally, you must submit your tax exempt certificate, and copies of your subcontractors' certificates, in accordance with General Contract Condition 322.5, to the Project Manager as soon as possible. Failure to submit these certificates will delay processing of payment applications.

Sincerely,

Lesley B. Thomas
City Engineer

cc:





DENVER
THE MILE HIGH CITY

Department of Public Works
Engineering Department

201 W. Colfax Avenue
Denver, CO 80202
www.denvergov.org/PublicWorks

Certificate of Contract Release
(SAMPLE)

Date

Name

Company

Street

City/State/Zip

RE: Certificate of Contract Release for

CE10052/201100329, COLFAX AVENUE ENHANCED TRANSIT CORRIDOR

Received this date of the City and County of Denver, as full and final payment of the cost of the improvements provided for in the foregoing contract, _____ dollars and _____ cents (\$_____), in cash, being the remainder of the full amount accruing to the undersigned by virtue of said contract; said cash also covering and including full payment for the cost of all extra work and material furnished by the undersigned in the construction of said improvements, and all incidentals thereto, and the undersigned hereby releases said City and County of Denver from any and all claims or demands whatsoever, regardless of how denominated, growing out of said contract.

And these presents are to certify that all persons performing work upon or furnishing materials for said improvements under the foregoing contract have been paid in full and this payment to be made is the last or final payment.

Contractor's Signature

Date Signed

If there are any questions, please contact me by telephone at (720) 913-XXXX. Please return this document via facsimile at (720) 913-1805 and mail to original to the above address.



CITY AND COUNTY OF DENVER

STATE OF COLORADO



PREVAILING WAGE RATES

Contract No. CE10052/201100329

**COLFAX AVENUE ENHANCED TRANSIT
CORRIDOR**

March 14, 2011



DENVER
THE MILE HIGH CITY

Career Service Authority
Denver's Human Resource Agency

201 W. Colfax, Department 412
Denver, CO 80202
p: 720.913.5751
f: 720.913.5720
www.denvergov.org/csa

TO: All Users of the City of Denver Prevailing Wage Schedules
FROM: Meredith Creme, Staff Human Resource Professional
DATE: Friday October 15, 2010
SUBJECT: Latest Change to Prevailing Wage Schedules

Please be advised, the Career Service Authority Board in their meeting held on November 3, 2005, approved to use the last comprehensive prevailing wage schedule for Heavy and Highway projects, which was published on March 1, 2002, to fill in for missing rates from subsequent Heavy and Highway wage schedules. The missing rates will be provided as supplemental to the Davis Bacon Heavy and Highway rates issued by CSA.

With regards to the Building rates, the last comprehensive prevailing wage schedule for Building projects which was published on November 9, 2001 will continue to be used to fill in for missing rates from subsequent Building Construction schedules. The missing rates will be provided as supplemental to the Davis-Bacon Building rates issued by CSA.

The effective date for this publication is **Friday October 15, 2010** and applies to the City and County of Denver for **HIGHWAY CONSTRUCTION PROJECTS** in accordance with the Denver Revised Municipal Code, Section 20-76(c).

General Wage Decision No. CO080014
Superseded General Decision No. CO20070014
Modification No. 4
Publication Date: 10-08-10
(11 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.

For questions call (720) 913-5009

Attachments as listed above.

General Decision Number: CO100014 10/08/2010 CO14

Superseded General Decision Number: CO20080014

State: Colorado

Construction Type: Highway

Counties: Adams, Arapahoe, Boulder, Broomfield, Denver, Douglas, El Paso, Jefferson, Larimer, Mesa, Pueblo and Weld Counties in Colorado.

HIGHWAY CONSTRUCTION PROJECTS

Modification Number	Publication Date
0	03/12/2010
1	05/07/2010
2	06/04/2010
3	08/06/2010
4	10/08/2010

ELEC0012-005 06/01/2009

PUEBLO COUNTY

	Rates	Fringes
ELECTRICIAN (Excluding traffic signal installation)		
Electrical work where the total cost is \$150,000 or less.....	\$ 22.85	10.79
Electrical work where the total cost is over \$150,000..	\$ 27.00	10.91
TRAFFIC SIGNALIZATION:		
Traffic Signal Installation		
Zone 1.....	\$ 23.83	13.75%+4.75
Zone 2.....	\$ 26.83	13.75%+4.75

TRAFFIC SIGNAL INSTALLER ZONE DEFINITIONS

Zone 1 shall be a 35 mile radius, measured from the following addresses in each of the following cities:
Colorado Springs - Nevada & Bijou
Denver - Ellsworth Avenue & Broadway
Ft. Collins - Prospect & College
Grand Junction - 12th & North Avenue
Pueblo - I-25 & Highway 50
All work outside of these areas shall be paid Zone 2 rates.

* ELEC0068-012 06/01/2010

ADAMS, ARAPAHOE, BOULDER, BROOMFIELD, DENVER, DOUGLAS, JEFFERSON, LARIMER AND WELD COUNTIES

	Rates	Fringes
ELECTRICIAN (Excluding traffic signal installation).....	\$ 31.60	12.32
TRAFFIC SIGNALIZATION:		
Traffic Signal Installation		
Zone 1.....	\$ 23.83	13.75%+4.75
Zone 2.....	\$ 26.83	13.75%+4.75

TRAFFIC SIGNAL INSTALLER ZONE DEFINITIONS

Zone 1 shall be a 35 mile radius, measured from the following addresses in each of the following cities:
 Colorado Springs - Nevada & Bijou
 Denver - Ellsworth Avenue & Broadway
 Ft. Collins - Prospect & College
 Grand Junction - 12th & North Avenue
 Pueblo - I-25 & Highway 50
 All work outside of these areas shall be paid Zone 2 rates.

ELEC0113-005 06/01/2009

EL PASO COUNTY

	Rates	Fringes
ELECTRICIAN.....	\$ 28.80	3%+13.10
TRAFFIC SIGNALIZATION:		
Traffic Signal Installation		
Zone 1.....	\$ 23.83	13.75%+4.75
Zone 2.....	\$ 26.83	13.75%+4.75
TRAFFIC SIGNAL INSTALLER ZONE DEFINITIONS		

Zone 1 shall be a 35 mile radius, measured from the following addresses in each of the following cities:

Colorado Springs - Nevada & Bijou
 Denver - Ellsworth Avenue & Broadway
 Ft. Collins - Prospect & College
 Grand Junction - 12th & North Avenue
 Pueblo - I-25 & Highway 50

All work outside of these areas shall be paid Zone 2 rates.

ELEC0969-005 06/01/2009

MESA COUNTY

	Rates	Fringes
ELECTRICIAN (Excluding		

traffic signal installation).....\$ 20.31	8.92
TRAFFIC SIGNALIZATION:	
Traffic Signal Installation	
Zone 1.....\$ 23.83	13.75%+4.75
Zone 2.....\$ 26.83	13.75%+4.75

TRAFFIC SIGNAL INSTALLER ZONE DEFINITIONS

Zone 1 shall be a 35 mile radius, measured from the following addresses in each of the following cities:

- Colorado Springs - Nevada & Bijou
- Denver - Ellsworth Avenue & Broadway
- Ft. Collins - Prospect & College
- Grand Junction - 12th & North Avenue
- Pueblo - I-25 & Highway 50

All work outside of these areas shall be paid Zone 2 rates.

 ENGI0009-002 05/01/2010

	Rates	Fringes
Power equipment operators:		
Asphalt Screed.....\$ 23.67		9.22
Bituminous or Asphalt		
Spreader/Laydown Machine....\$ 23.67		9.22
Bulldozer.....\$ 23.67		9.22
Crane: 50 tons and under...\$ 23.82		9.22
Crane: 51 to 90 tons.....\$ 23.97		9.22
Crane: 91 to 140 tons.....\$ 24.12		9.22
Crane: 141 tons and over....\$ 24.88		9.22
Drill Operator: William		
MF/Watson 2500 only.....\$ 23.97		9.22
Grader/Blade: Finish.....\$ 23.97		9.22
Grader/Blade: Rough.....\$ 23.67		9.22
Loader: Barber Green, etc.		
& Up to and including 6		
cubic yards.....\$ 23.67		9.22
Loader: Mechanic/Welder		
(heavy duty).....\$ 23.97		9.22
Loader: Over 6 cubic yards..\$ 23.82		9.22
Mechanic and/or Welder		
(Includes heavy duty &		
combination mechanic and		
welder):.....\$ 26.12		9.22
Oiler.....\$ 22.97		9.22
Power Broom: 70 HP and over.\$ 23.67		9.22
Power Broom: Under 70 HP....\$ 22.97		9.22
Roller (excluding dirt &		
soil compaction): Self-		
propelled, all types over		
5 tons.....\$ 23.67		9.22
Roller (excluding dirt &		
soil compaction): Self-		
propelled, rubber tires		
under 5 tons.....\$ 23.32		9.22
Scraper: Single bowl		
including pups 40 cubic		

yards and tandem bowls and over.....	\$ 23.97	9.22
Scraper: Single bowl under 40 cubic yards.....	\$ 23.82	9.22
Trackhoe.....	\$ 23.82	9.22

LABO0086-002 05/01/2009

	Rates	Fringes
Laborers:		
Asphalt Laborer/Raker, Common Laborer & Concrete Laborer/Mason Tender.....	\$ 18.68	6.78

SUCO2001-003 12/20/2001

	Rates	Fringes
BRICKLAYER.....	\$ 15.55	2.85
Carpenters:		
Form Work (Excluding Curbs & Gutters).....	\$ 16.54	3.90
All Other Work.....	\$ 16.61	3.88
Concrete Finisher/Cement Mason...\$ 16.05		3.00
Ironworkers:		
Bridge Rail (Excludes Guardrail).....	\$ 18.22	6.01
Reinforcing.....	\$ 16.69	5.45
Laborers:		
Fence Erector (Includes fencing on bridges).....	\$ 13.02	3.20
Form Work (Curbs & Gutters only).....	\$ 11.85	3.45
Guardrail Erector (Excludes bridgerail).....	\$ 12.89	3.20
Landscape and Irrigation Laborer.....	\$ 12.26	3.16
Pipelayer.....	\$ 13.55	2.41
Striping Laborer (Pre-form layout and removal of pavement markings).....	\$ 12.62	3.21
Traffic and Sign Laborer (Sets up barricades and cones, and installs permanent signs).....	\$ 12.43	3.22
Traffic Director/Flagger....\$ 9.55		3.05
Painters:		
Brush.....	\$ 16.94	2.10
Spray.....	\$ 16.99	2.87

Power equipment operators:

Backhoes.....	\$ 16.54	4.24
Bobcat/Skid Loader.....	\$ 15.37	4.28
Compactor - Dirt & Soil Only.....	\$ 16.70	3.30
Concrete Pump Operator.....	\$ 16.52	4.30
Drill Operator: All except William MF/ Watson 2500.....	\$ 16.74	2.66
Forklift.....	\$ 15.91	4.09
Post Driver/Punch Machine...\$	16.07	4.41
Rotomill Operator.....	\$ 16.22	4.41
Tractor.....	\$ 13.13	2.95

TRAFFIC SIGNALIZATION:

Traffic Signal Installation

Groundman

Class C.....	\$ 11.44	3.25
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Truck drivers:

Floats-Semi Truck.....	\$ 14.86	3.08
Multipurpose Truck- Specialty & Hoisting.....	\$ 14.35	3.49
Pickup Truck (Includes Pilot and Sign/Barricade Truck).....	\$ 13.93	3.68
Single Axle Truck.....	\$ 14.24	3.77
Truck Mechanic.....	\$ 16.91	3.01

TEAM0435-002 05/01/2000

	Rates	Fringes
Truck drivers:		
Distributor Truck.....	\$ 15.80	5.27
Dump Truck: Over 14 cubic yards to and including 29 cubic yards.....	\$ 15.27	5.27
Dump Truck: Over 29 cubic yards to and including 79 cubic yards.....	\$ 15.80	5.27
Dump Truck: Over 79 cubic yards.....	\$ 16.45	5.27
Dump Truck: To and including 6 cubic yards & over 6 cubic yards to and including 14 cubic yards;		
Water Truck.....	\$ 14.93	5.27
Low Boy Truck.....	\$ 17.25	5.27

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

Unlisted classifications needed for work not included within

the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

In the listing above, the "SU" designation means that rates listed under the identifier do not reflect collectively bargained wage and fringe benefit rates. Other designations indicate unions whose rates have been determined to be prevailing.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- * an existing published wage determination
- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a position on a wage determination matter
- * a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISION

Career Service Authority
Supplemental to the Davis Bacon HIGHWAY Construction Projects
(Specific to the Denver Projects)
(Supp 31, Eff Date: 10-15-10)

(The following rates are from the Fed/Davis Bacon/HEAVY & HIGHWAY,
Mod #0 Dated 03/01/2002 to fill in for missing rates from subsequent
HIGHWAY Construction Schedules)

CARP2834A 05/01/2001

	Rates	Fringes
MILLWRIGHTS	22.22	5.84

ELEC0111A 09/01/2001

	Rates	Fringes
LINE CONSTRUCTION:		
Cable Splicers	26.06	19.75%+2.20
Lineman, Gas Fitter/Welder	26.56	19.75%+2.20
Line Equipment Operator,		
Line Truck Crew	20.73	19.75%+2.20

POWER EQUIPMENT OPERATORS:
(TUNNELS ABOVE & BELOW GROUND, SHAFTS, & RAISES)

GROUP 1	20.67	5.17
GROUP 2	21.02	5.17
GROUP 3	21.12	5.17
GROUP 4	21.37	5.17
GROUP 5	21.52	5.17
GROUP 6	21.67	5.17
GROUP 7	21.92	5.17

POWER EQUIPMENT OPERATOR CLASSIFICATIONS

GROUP 1 - Brakeman

GROUP 2 - Motorman

GROUP 3 - Compressor

GROUP 4 - Air Tractors; Grout Machine; Gunnite Machine; Jumbo Form

GROUP 5 - Concrete Placement Pumps; Mucking Machines and Front
End Loaders, Underground, Slusher; Mine Hoist Operator;
Mechanic

GROUP 6 - Mechanic Welder

GROUP 7 - Mole

ENGI0009B 04/23/2001

	Rates	Fringes
POWER EQUIPMENT OPERATORS:		
GROUP 1	18.52	5.17
GROUP 2	18.87	5.17
GROUP 3	19.22	5.17
GROUP 4	19.37	5.17
GROUP 5	19.52	5.17
GROUP 6	19.67	5.17
GROUP 7	20.43	5.17

NOTE: Any equipment listed below being used in tunnel work, below or above ground shall be paid not less than \$2.00 per hour above the listed wage rates.

POWER EQUIPMENT OPERATOR CLASSIFICATIONS

GROUP 1 - Air compressor, brakeman, drill operator -smaller than Watson 2500 and similar, operators of 5 or more light plants, welding machines, generators, single unit conveyor, pumps, vacuum well point system, tractor, under 70 hp with or without attachments compressors, 360 C.F.M. or less

GROUP 2 - Conveyor, handling **building** materials, ditch witch and similar trenching machine, forklift, haulage motor man, pugmill, portable screening plant with or without a spray bar, screening plants, with classifier, self-propelled roller, rubber-tires under 5 tons.

GROUP 3 - asphalt plant, backfiller; cableway signalman; C.M.I. and similar, concrete batching plants, concrete finish machine, concrete gang saw on concrete paving, concrete mixer, less than 1 yd., under 8 inches, distributors, bituminous surfaces dozer, drill, diamond or core, elevating graders, elevator operator, lubricating and service engineer, grout machine, gunnite machine, hoist, 1 drum, horizontal directional drill operator, hydraulic backhoes; road stabilization machine, sandblasting Machine, single unit portable crusher, with or without washer, Tie tamper, wheel mounted, trenching machine operator, winch on truck.

GROUP 4 - Cable operated power shovels, draglines, clamshells, 5 cubic yards and under, concrete mixer over 1 Cubic yard, concrete pavers 34E or similar, grade Checker, hoist, 2 drums, mechanic, mixer mobile, Portable crusher, with or without washer; tractor with sideboom, roto-M ill and similar, welder.

GROUP 5 - Cable operated power shovels, draglines, clamshells and Backhoes over 5 cubic yards, caisson drill Watson 2500 similar or larger, motor grader blade-finish, hoist 3 drum or more.

GROUP 6 - Cableway, derrick, quad nine push unit, wheel excavator, belt or elevating loader.

GROUP 7 - tower cranes all types.

IRON0024F 08/01/2001

	Rates	Fringes
IRONWORKERS: STRUCTURAL, ORNAMENTAL	21.00	7.36

LABO0086D 05/01/2001

	Rates	Fringes
LABORERS: Removal or encapsulation of Asbestos Material (including removal of asbestos from mechanical systems that are going to be scraped) and work involving the removal, handling, or dealing with toxic or hazardous waste	18.45	3.64

PLUM0003E 07/01/2001

	Rates	Fringes
PLUMBERS	25.67	5.99

PLUM0208J 07/01/2001

	Rates	Fringes
PIPEFITTERS	25.77	5.89

TEAM0435A 05/01/2000

	Rates	Fringes
TRUCK DRIVERS:		
GROUP 1	14.21	5.27
GROUP 2	14.93	5.27
GROUP 3	15.27	5.27
GROUP 4	15.80	5.27
GROUP 5	16.45	5.27
GROUP 6	17.25	5.27

TRUCK DRIVER CLASSIFICATIONS

GROUP 1 Greasemen, Servicemen and Ambulance Drivers,
Battery Men, Shuttle Truck or Bus, Flat Rack Tandem Axle.

GROUP 2 Fork Lift Driver, Straddle Truck Driver, Lumber Carrier,

Liquid and Bulk Tankers Single Axle, Combination, Euclid Electric or Similar, Specialty and Hoisting, Truck Drivers Fuel Truck, Grease Truck, Combination Fuel and Grease.

GROUP 3 Truck Driver Snow Plow, Truck Driver Dump or Type Jumbo and similar type equipment.

GROUP 4 Cement Mixer Agitator Truck over 10 cubic yards to and including 15 cubic yards, Tire Man, Cab Operated Distributor Truck Driver.

GROUP 5 Heavy Duty Diesel Mechanic, Body Man, Welders or Combination Men.

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

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SPECIFICATIONS

**CITY AND COUNTY OF DENVER
DEPARTMENT OF PUBLIC WORKS MAJOR PROJECT OFFICE
CONTRACT CONTROL NUMBER CE10052
COLFAX ENHANCED TRANSIT CORRIDOR IMPROVEMENTS**

PROJECT SPECIAL PROVISIONS

STANDARD CONSTRUCTION SPECIFICATIONS

The Standard Construction Specifications used for this Project shall be the Colorado Department of Transportation “Standard Specifications for Road and Bridge Construction,” adopted in 2005 and as hereinafter modified.

DETAILED CONSTRUCTION SPECIFICATIONS

The Construction Specifications for this Project shall consist of the applicable sections and subsections, numbered Section 200 through Section 700 of the Colorado Department of Transportation “Standard Specifications for Road and Bridge Construction,” referenced above.

The Colorado Department of Transportation General Provisions consist of Section 100 through Section 109 of the above referenced “Standard Specifications for Road and Bridge Construction” and are not applicable to this Project and are hereby deleted. In place of the deleted sections the City and County of Denver (the “City” or “CCD”) “Standard Specifications for Construction, General Contract Conditions” 1999 edition, shall apply on this contract.

The following Special Project Provisions shall take precedence over Specifications or Plans and supplement or amend the “Standard Specifications for Road and Bridge Construction,” adopted in 2005 by the Colorado Department of Transportation, which is to be used to control the construction of this Project.

References to “Division” or “CDOT” in the Standard Specifications shall be considered to mean City and County of Denver for the purposes of this project.

That which follows supplements or amends provisions of the “Construction Specifications” referenced under Paragraph SC-1 of the Special Contract Conditions.

STANDARD CONSTRUCTION DETAILS

Applicable City and County of Denver Standard Details are required to be used by the Contractor. For other applicable details, except as modified or altered by the General Notes on the plans to be approved or by revisions to the standard specifications and contract documents, it is the intent of the City to use the Colorado Department of Transportation M & S Standards, July 2006 edition. Drainage related appurtenances, driveways, sidewalks and pedestrian curb ramps shall be constructed per City and County of Denver Standard Details.

CONSTRUCTION LIMITS

The “construction limits” for the Project are defined as East Colfax Avenue from the centerline of the north alleyway between Sherman Street and Grant Street to the centerline of the south alleyway between Josephine Street and Columbine Street and the centerline of Columbine Street to the centerline of St. Paul Street. The segment of East Colfax Avenue from the centerline of the north alleyway between Sherman Street and Grant Street to the centerline of the south alleyway between Josephine Street and Columbine Street lies within the Colfax on the Hill Improvement District (CBID) and the segment of East Colfax Avenue from the centerline of Columbine Street to the centerline of St. Paul Street lies within the Expanded Greek Town Pedestrian Mall (Greektown). Furthermore, the construction limits include cross streets as necessary to complete the project and placement of signage on any street to be used for construction phasing purposes. All work shall occur within the Colorado Department of Transportation and/or the City and County of Denver rights-of-way. Impacts to existing landscaping, concrete, sidewalk, structures, sprinklers, curbs, gutters, etc. that occur within the right-of-way, but are not specifically designated to be impacted by the plans or by the Engineer, shall be repaired by the Contractor at their own expense.

PROJECT SPECIAL PROVISIONS

	<u>Pages</u>
Index Page	1-2
Revision of Section 105 – Control of Work	3-4
Revision of Section 203 – Unclassified Excavation	5
Revision of Section 207 - Topsoil	6-7
Revision of Section 213 - Mulching (Wood Chip)	8
Revision of Section 213 – Tree Grate	9
Revision of Section 214 – Planting	10-12
Revision of Section 608 – Sidewalks and Curb Ramps	13-16
Revision of Section 608 – Stone Panels	17-19
Revision of Section 613 – Lighting	20-23
Revision of Section 622 – Bench	24-25
Revision of Section 622 – Bicycle Rack	26
Revision of Section 622 – Planters	27
Revision of section 623 – Irrigation System	28-30
Revision of Section 715 – Lighting Materials	31-32

REVISION OF SECTION 105 CONTROL OF WORK

Section 105 of the Standard Specifications is hereby revised as follows:

Subsection 105.10 shall be deleted in its entirety and replaced with the following:

105.10 Cooperation with Utilities. The City and County of Denver will notify all utility companies, pipe line owners, or other parties affected, and have all necessary adjustments of the public or private utility fixtures, pipe lines, and other appurtenances within or adjacent to the limits of construction made as soon as practicable.

Water lines, gas lines, wire lines, service connections, meter and valve boxes, light standards, cableways, signals, and all other utility facilities within the limits of the proposed construction are to be relocated or adjusted at the owner's expense unless otherwise provided in the Contract. The Contractor shall cooperate with the utility owners in their removal and relocation operations, so that progress is expedited, duplication of work is minimized and service interruptions are avoided.

The Contract will indicate those utility items which are to be relocated or adjusted by the utility owner or which are to be relocated or adjusted by the Contractor. The Contractor shall consider in the bid proposal all of the permanent and temporary utility facilities in their present or relocated positions as shown in the Contract and as revealed by site investigation. Utility delays due to changes which are the responsibility of the Contractor will be considered nonexcusable delays. The Contractor and the Engineer shall meet with the utility owners as often as necessary to coordinate and schedule relocations or adjustments. Additional compensation will not be allowed for foreseeable coordination, inconvenience, or damage sustained due to interference from the utility facilities or the removal or relocation operations as indicated in the Contract. Delays shall be dealt with in accordance with subsection 108.07.

Known utilities to be removed, relocated or adjusted by the utility owner include the following:

- Qwest Manhole – NW Curb Return of Fillmore & Colfax – STA 1+29.32, 4.81' LT
- Qwest Manhole – NW Curb Return of Fillmore & Colfax – STA 1+35.94, 3.32' RT
- Qwest Manhole – NW Curb Return of St. Paul & Colfax – STA 1+27.51, 6.57' LT
- Qwest Manhole – NW Curb Return of St. Paul & Colfax – STA 1+34.88, 2.01' RT
- Xcel Street Light – SW Curb Return of Fillmore & Colfax – STA 1+18.00, 2.18' RT
- Xcel Street Light – SW Curb Return of St. Paul & Colfax – STA 1+17.45, 2.04' RT

If utility facilities or appurtenances are found that are neither identified in the Contract, nor revealed by site investigation, the Engineer will determine whether adjustment or relocation of the utility is necessary. The Engineer will make arrangements with either the utility owner or the Contractor to accomplish necessary adjustments or relocations when not otherwise provided for in the Contract. Extra work will be considered for payment in accordance with

subsection 104.03. Consideration for delays shall be in accordance with subsection 108.07(d).

Where the Contractor's operations are adjacent to properties of railroad, telegraph, telephone, power, or other utility companies, to which damage might result in considerable expense, loss, or inconvenience, work shall not commence until arrangements for the protection of the utilities have been made.

If water or utility services are interrupted, the Contractor shall promptly notify the owner and shall cooperate in the restoration of service. Repair work shall be continuous until the service is restored. Work shall not be undertaken around fire hydrants until provisions for continued service have been approved by the local fire authority.

END OF REVISION OF SECTION 105

**REVISION OF SECTION 203
UNCLASSIFIED EXCAVATION**

Subsection 203.01 shall add the following:

This includes excavating existing soils from tree pits and disposed of off-site. Tree pits shall be excavated in locations shown on the Drawings.

METHOD OF MEASUREMENT

Subsection 203.14 shall include the following:

The addition of soil amendments and fine grading will not be measured and paid for separately, but will be included in the work.

Unclassified excavation will be paid for at the contract unit price per cubic yard of material excavated and hauled off-site as shown on the plans or as directed by the Engineer.

Pay Item

Unclassified Excavation

Pay Unit

Cubic Yard

END OF REVISION OF SECTION 203

**REVISION OF SECTION 207
TOPSOIL**

Subsection 207.01 shall add the following:

This includes backfilling tree pits with amending imported topsoil. Soil from excavated tree pits shall be disposed of off-site in accordance with Section 203, Unclassified Excavation.

Subsection 207.02 shall add the following:

Materials. Topsoil for this project shall be imported and amended with acceptable amendments. All topsoil is subject to approval before use. A representative sample of soil and soil test results shall be submitted to the Engineer in advance of backfilling for approval. Soil tests shall be taken in the presence of the City’s representative and shall use the method of Soil Analysis at the Colorado State University Soil, Water and Plant Testing Laboratory.

The topsoil shall have an acidic reaction of 6.0 to 7.5 pH. Salt levels must be less than 2 mmhos/cm. Fertilizer shall be applied according to the recommendations provided by the soils testing lab. Topsoil shall contain the following minimum ammonium DTPA (chelate) extractable nutrients (this is the extracting solution used by CSU Soil Testing Laboratory).

Nitrogen	5 ppm Air dried Basis
Phosphorus	5 ppm
Potassium	30 ppm
Iron (Fe)	5 ppm

Topsoil shall not include any minerals or elements detrimental to plant growth, including noxious, perennial, biennial or annual weeds. No rocks, sticks, or clods greater than 1” diameter will be accepted. No plastic, metal or other trash will be accepted. The following soil amendments shall be incorporated into the topsoil prior to planting: Equal parts composted materials (sphagnum moss, wood humus from soft/non-toxic trees or other approved material) and manure (well-rotted, not cow). These materials shall be mixed into the topsoil at a 1 to 5 ratio (amendments to soil).

Subsection 207.03 shall include the following:

Construction Requirements. Tree pit areas shall receive approximately 1.1 cubic yards of amended topsoil each unless otherwise specified. Amendments shall be thoroughly mixed evenly throughout tree pit backfill.

BASIS OF PAYMENT

Subsection 207.04 shall replace the last paragraph with the following:

Topsoil will be paid for by the cubic yards of material imported, amended and backfilled into place.

METHOD OF MEASUREMENT

Subsection 207.05 shall include the following:

The addition of soil amendments and fine grading will not be measured and paid for separately, but will be included in the work.

Topsoil will be paid for at the contract unit price per cubic yard of material placed in areas as shown on the plans or as directed by the Engineer.

Pay Item
Topsoil

Pay Unit
Cubic Yard

END OF REVISION OF SECTION 207

**REVISION OF SECTION 213
MULCHING (WOOD CHIP)**

Section 213 of standard specification is hereby revised for this project as follows:

Subsection 213.01 shall include the following:

This item consists of mulching at the median planting bed and at all tree saucers.

MATERIALS

A. Mulch for tree pits : Fresh, moist fibrous cedar mulch material having approximate dimensions:

Width: 1/4-1/2 inch

Length: 3 to 4 inches

Submit a sample to the Owner's Representative for approval at least 1 week prior to placing on the project.

CONSTRUCTION REQUIREMENTS

Subsection 213.03 shall include the following:

- (a) A four inch (4") layer of fibrous cedar mulch shall be uniformly applied to all tree pits as shown on the plans or as directed. Cedar mulch shall be capable of matting together to resist scattering by wind.
- (b) All mulch to remain a distance of 4 to 6 inches away from trunk base on trees.

METHOD OF MEASUREMENT

Subsection 213.04 is revised as follows:

The accepted quantities of mulch shall be paid for at the contract unit price as listed below.

Payment will be made under:

<u>Pay Item</u>	<u>Pay Unit</u>
Mulching (Wood Chip)	Cubic Foot

END OF REVISION OF SECTION 213

**REVISION OF SECTION 213
TREE GRATE**

Subsection 213.01 shall add the following:

This work consists of furnishing and installing tree grates in the locations shown on the drawings.

MATERIALS

Subsection 213.02 shall add the following:

60"x60" 100% cast iron tree grate with 16" tree opening, unfinished, with 6000F frame model, ¼ inch maximum slot opening for pedestrian safety and ADA Compliance, #6018-1 Starburst Tree Grate by Ironsmith, 1-800-338-4766 or approved equal.

CONSTRUCTION REQUIREMENTS

Subsection 213.03 shall add the following:

Install in locations shown on the plans.

BASIS OF PAYMENT

Subsection 213.04 shall add the following:

The accepted quantities will be paid for at the contract unit price for installed tree grate.

Payment will be made under:

<u>Pay Item</u>	<u>Pay Unit</u>
Tree Grate	Each

END OF REVISION OF SECTION 213

**REVISION OF SECTION 214
PLANTING**

Section 214 of standard specification is hereby revised for this project as follows:

Subsection 214.02 shall include the following:

Written statements concerning the availability of the plant species and sizes designated on the plans shall be obtained. If the designed plant species are available in a size different than indicated on the plans, this information shall be included in the statement. If the designed plant species (or size) are not located, make inquiries of all sources designated by the Engineer. Written statements concerning the availability of plant species and sizes shall be submitted to the Engineer 30 days prior to the planting season. Substitutions of other sizes of species will be considered only after such statements have been submitted or when all sources have been exhausted.

At the preconstruction conference, name the nursery stock supplier for all items. Tag all nursery stock at the named supplier's location and, at a practical time, the Engineer or the Engineer's designated landscape inspector shall inspect the tagged nursery stock at the supplier's location. The Engineer will notify the Contractor when the nursery stock will be inspected at the suppliers' location. Acceptance of all plant material for planting will be made at the time of installation on the project site.

Delete Subsection 214.02(d)

Subsection 214.03 shall include the following:

A landscape and irrigation preconstruction conference shall be held at least 7 days prior to the start of landscape and irrigation reset work on the project. At the conference, submit a written description of work methods and a time schedule for the landscape and irrigation construction work.

Subsection 214.03 (a) shall include the following:

Obtain all permits associated with planting in public rights-of-way and/or storage of materials.

The spring season shall start as soon as the ground can be worked in March and shall end on June 15. The fall season shall start September 15 through October 31.

Subsection 214.03(b) shall include the following:

All trees pits shall be dug so the top of the root collar sits 2 inches higher than finish grade. When conditions detrimental to plant growth, such as rubble fill, adverse drainage conditions or obstructions, are encountered notify the Engineer prior to continuing planting.

Subsection 214.03(c), delete second sentence of first paragraph and replace with the following:

Plants with a partially dry root system shall be soaked in water for a period of 4 hours before planting. Walls of plant pits shall be dug so that they are sloped and scarified. Plants shall be set as indicated on the drawings. Remove the bottom of wire baskets prior to setting into the pit. Plants shall have the same relationship to finished grade as in the nursery.

Delete Subsection 214.0(d) and replace with the following:

(d) *Backfilling.* Backfill shall be thoroughly worked and watered in to eliminate air pockets. The first watering shall be done immediately after the plant is placed. Backfilling of the planting pit shall be resumed after this water is absorbed. Roots and crown shall be covered with soil at this time. After the soil has settled, plants must be in the proper position and at the proper depth. Saucers shall be prepared around each plant to the dimensions shown on the planting details. A second watering shall take place after saucers are prepared. When saucers are required, they shall be covered with a 3 inch layer of mulch, as specified. After completion of all planting, and before acceptance of the work, again thoroughly water all planting installed under this Contract. Any plants damaged by the Contractor's operations shall be replaced at no cost to the project.

Backfill shall be incorporated as specified under Topsoil, Section 207 and Soil Preparation, Section 207.

Subsection 214.03(e) shall include the following:

Pruning shall be done after delivery of plants and after plants have been inspected and approved by the Owner's Representative. Cuts shall be made at the outside of the branch collar, leaving no stubs. No tree paint shall be used. Dead wood, suckers, water sprouts and broken and badly bruised branches shall be removed.

At the Contractor's option, spray all deciduous plant material in full leaf immediately before transporting with an anti-desiccant. Apply an adequate film over the trunk, branches, twigs and foliage. Anti-desiccant shall be an emulsion specifically manufactured for plant protection which provides a protective film over the plant surface which is permeable enough to permit transpiration. Prior to spraying any anti-desiccant, the Contractor shall submit the manufacturer's data sheet to the Engineer for approval.

Subsection 214.03(f) shall include the following:

Each tree shall be set plumb within tree grate and plant pit. Monitor tree alignment throughout Landscape Establishment period to make sure trees do not lean.

Additionally, stake all utilities in the areas of excavation to accomplish tree planting activities.

Subsection 214.03(g), delete the second sentence and replace with the following:

Trunks of deciduous trees shall be wrapped from the base of the tree upward to a minimum height of the third branch or two-thirds of the height of the tree and secured with tape.

Subsection 214.03(g), delete the third sentence of first paragraph and replace with the following:

Submit the manufacture's certification for the wrapping material and a sample to the Engineer for approval.

Delete Subsection 214.04(a) and replace with the following:

A one year landscape establishment period will be part of the Contract. If at one year after substantial completion the plant materials are deemed less than healthy and vigorous, replace said materials at the size and requirements stated in this specification. During this one year period, be responsible for watering plant materials, as well as the tasks described in Subsection 214.04.

Subsection 214.04(b), delete and replace with the following:

During the Landscape Establishment period, perform landscape maintenance as described herein. Be responsible for:

- a) Fall irrigation winterization prior to shut-down of the irrigation system
- b) Spring start-up of the irrigation system
- c) Watering of the plants so as to maintain a minimum of 1” of water per week on the plant materials during the months of April through September, reducing as necessary in early spring and late fall.
- d) Irrigation controller programming; operation and repair of the irrigation system
- e) Pruning and removal of dead branches on plant material.
- f) Replacement of any dead, dying or diseased plant material, as directed by the Owner’s representative.
- g) Removal of trash from planting areas once a week.
- h) Replacement and/or replenishing of cedar mulch in affected areas.
- i) Application of an appropriate pre-emergent (in fall after one growing season) and post-emergent herbicide (as approved by the Engineer).
- j) Weed removal in all areas through hand-pulling, once per week minimum.
- k) Maintenance of tree wrapping.
- l) Slow-release fertilizer application.

Payment will be made under:

<u>Pay Item</u>	<u>Pay Unit</u>
Deciduous Tree (2.5 Inch Caliper)	Each
Landscape Maintenance	Lump Sum

**END OF REVISION OF SECTION 214
REVISION OF SECTION 608
SIDEWALKS AND CURB RAMPS**

Section 608 of the Standard Specifications is hereby revised as follows:

MATERIALS

Subsection 608.02 shall be deleted in its entirety and replaced with the following:

Materials shall meet the requirements specified in the following subsections:
Joint Fillers 705.01

Concrete for sidewalks, and curb ramps shall be Class “P”, as specified in subsections 601.02 and 601.03.

New Curb Ramps shall be standard gray and constructed with integral Truncated Domes per current “City and County of Denver Department of Public Works “Transportation Standards and Details for the Engineering Division” dated June 2010. If repairs or alterations to existing colored ramps are required, the curb ramp concrete is to be integrally colored with pigment #1117 – “Tile Red” as manufactured by Davis Colors at the rate of 4 pounds per sack of cement, or of an equal color and intensity approved by the Engineer, and cured with a non-pigmented "clear" curing compound. The Engineer may adjust the color additive \pm one pound, if desired.

All concrete used for sidewalks, and curb ramps shall be reinforced with polypropylene fibers. Polypropylene fibers shall be FIBERMESH or FORTA FIBRE. Length of fibers shall be as recommended by the manufacturer. Add 1.5 pounds FIBERMESH or FORTA FIBRE per cubic yard of concrete.

The use of calcium chloride is prohibited in colored concrete. Calcium chloride shall not be used in any concrete containing metal or steel such as tie bars or steel reinforcing.

CONSTRUCTION REQUIREMENTS

Subsection 608.03(a) shall be revised as follows:

Delete the third sentence and add:

Excavation. Where excavation to the finished grade elevation results in sub grade of unsuitable soil, the Engineer may designate the unsuitable material to be removed and replaced with approved material. Removal of unsuitable material shall be paid for as Muck Excavation in accordance with Revision of Section 203.05(c), and backfilled with Aggregate Base Course (Class 6), or other material approved by the Engineer.

Subsection 608.03(d) is hereby revised to include the following:

Finishing. Finishing shall occur only after the disappearance of bleed water. The addition of superficial water to the surface of the concrete to assist in finishing operations will not be permitted.

Sprinkling of pigment onto the fresh surface will not be permitted.

The Contractor shall insure that new concrete items built under this contract drain properly and, as such, there are no areas of standing water on new concrete items.

The Contractor shall protect all new concrete items built under this Contract against defacement, or other injury, from any cause. If said damage cannot be adequately repaired to the satisfaction of the Engineer, the Contractor shall remove and replace the unacceptable items at Contractor's expense.

Subsection 608.03(e) shall be revised to include the following:

Control joints shall be spaced at 10 feet on center or as directed by the Engineer in order to conform with jointing patterns of the existing sidewalk. Any damage to the concrete such as spalling, dislodging of aggregate particles, or cracking will be repaired by the Contractor at no additional cost to the Project. If said damage cannot be adequately repaired to the satisfaction of the Engineer, the Contractor shall remove and replace the damaged concrete at no additional cost to the Project.

Subsection 608.03(f), first paragraph, shall be deleted and shall be replaced by the following:

Curing Compound or Combination Cure/Sealer

Allowable curing compound types and specification shall vary depending upon when an expected snow or freeze condition may occur, or when de-icing materials will be soon used.

For PCCP placed between April 1 through September 14:

For normal PCCP, related flatwork, sidewalks, and vertical surfaces, white-pigmented curing compound conforming to ASTM C-309 Type 2, (white pigmented dye) shall be used unless another method conforming to ACI 308, Section 2, is approved by the AGENCY in writing. For colored concrete, products must meet ASTM C-309 Type 1 (clear) or 1-D (fugitive dye).

For PCCP placed between September 15 and March 31:

A combination cure-sealer shall be used for PCCP and other related flatwork, sidewalks, and vertical surfaces placed during these dates, or when the AGENCY predicts an event where they expect to receive snow, freezing conditions and/or the need for use of de-icing materials within 28 days after concrete is placed. Provide adequate texture to surfaces prior to applying the cure-seal, as the solvent based product has a high gloss finish and can pose visual distractions to drivers at night time if applied to smooth concrete surfaces.

The combination cure-seal products for PCCP, related flatwork, sidewalks, and vertical surfaces must meet ASTM C-1315 Type II, Class B (pigmented, some yellowing allowed). For colored concrete, products must meet ASTM C-1315 Type I, Class A (clear, non-yellowing). The compound must be an acrylic copolymer type, non-freezing solvent based, with a minimum of 25% solids content. Compound must be VOC compliant in accordance with EPA 40 CFR Part 59. The final gloss appearance will serve as proof of application.

The contractor shall use a sealer that when applied according to manufacturer's recommendations will not adversely affect the skid resistance of the pavement. The use of cure-Sealer shall not be a substitute for best cold weather curing practices according to ACI 308.

Submittal & Pre-qualification

The CONTRACTOR shall submit manufacturer's literature that shall include surface preparation, application instructions, recommendations and storage and handling requirements.

The applicator must have prior experience applying specified product or similar products, or have manufacturer's representative on site ensuring that preparation and application are performed correctly.

The CONTRACTOR shall deliver the approved product in factory sealed and numbered container. Store drums in cool dry area and protected from freezing.

Application

The CONTRACTOR shall be responsible to protect the concrete being cured from the elements, traffic, and vandalism. Those surfaces covered by forms shall be similarly treated after the forms are removed. Inadequate protection by the CONTRACTOR shall be cause for suspension of concreting operations and replacement of the affected concrete at no expense to the AGENCY

The CONTRACTOR shall examine concrete surfaces that are to receive curing and sealing compound. The CONTRACTOR shall notify AGENCY if surfaces are not acceptable. Unacceptable conditions include, but are not limited to, cracked, curled, or spalled concrete surfaces. The CONTRACTOR shall not begin surface preparation or application until unacceptable conditions are corrected.

Clean surface of substances that might interfere with penetration or performance of concrete curing and sealing compound. Remove oil, existing curing compounds, laitance, and other substances that could prevent adhesion or penetration of concrete sealers. If necessary, the CONTRACTOR shall clean surface with a concrete cleaner. Protect adjoining work, including sealant bond surfaces, from spillage or blow-over of concrete sealer. Cover adjoining and nearby surfaces comprised of aluminum and glass if there is the possibility of concrete sealer being deposited on surfaces. Cover live plants and grass.

Curing and Cure-Sealing compound should be applied to freshly placed concrete as soon as the surface water has dissipated and/or immediately upon removal of formwork. Apply compound at uniform coverage rate in accordance with manufacturer's instructions with a low-pressure sprayer. If using preform pavement markings, apply pavement markings first, cover pavement marking, and then apply sealer. Do not dilute curing and sealing compound. Protect horizontal surfaces from traffic until curing and sealing compound has cured.

Subsection 608.03(f) shall be revised to include the following:

The Contractor shall insure that new concrete items built under this contract drain properly and, as such, there are no areas of standing water on new concrete items.

The Contractor shall protect all new concrete items built under this Contract against defacement, or other injury, from any cause. If said damage cannot be adequately repaired to the satisfaction of the Engineer, the Contractor shall remove and replace the unacceptable items at Contractor's expense.

BASIS OF PAYMENT

Payment will be made under:

<u>Pay Item</u>	<u>Pay Unit</u>
Concrete Sidewalk (4 inch) (W/ Fiber)	Square Yards
Concrete Curb Ramp (w/ Fiber)	Square Yards
Truncated Domes	Square Feet

The cost for the pay item Concrete Sidewalk (4-inch) (w/ Fiber) shall include furnishing and installing of polypropylene fibers as described above. No additional compensation will be made for polypropylene fibers.

END OF REVISION OF SECTION 608

REVISION OF SECTION 608 STONE PANELS

Subsection 608.01 shall add the following:

This work consists of furnishing and installing granite stone panels in the locations shown on the drawings. The items of work to be performed shall include but are not necessarily limited to the following: base material, setting bed and granite paving with specified lettering.

MATERIALS

Subsection 608.02 shall add the following:

Stone: Granite panel shall be “African Red” and lettering shall be “Cambrian Black” as supplied by The Denver Marble Company, 303-789-1856, or approved equal. Granite panels shall be 1-3/16 inches thick cut to 2-6” wide by 1-6” tall. Submit samples of stone for approval of color prior to installation.

The font for “Greektown” lettering shall be Truetype font “Elektra” and an electronic file will be provided to the Contractor. The surface of the stone panel shall be flamed to provide a slip-resistant surface. Shop drawings for lettering layout shall be submitted to the Engineer for approval prior to fabrication. The letters shall be waterjetted into the stone panel, penetrating the entire depth of the stone panel thickness.

Exposed surfaces and edges of stone units shall be free from cracks, broken corners, chipped edges, scratches, or other defects affecting appearance. No patching or hiding of defects will be permitted.

Mortar: Epoxy mortar shall meet ANSI A118.3 specifications, latex-portland cement mortar.

Grout: Meets ANSI 118.3, specifications for chemical resistant, water cleanable tile-setting. Color shall be selected by the Landscape Architect from the manufacturer’s complete color range. Acceptance of grout products is subject to the approval of the Engineer.

Water: Potable and free from minerals or other materials that are detrimental to mortar and grout mixes.

Primer: As recommended by the mortar material manufacturer.

Mixes: Prepare pre-mix materials in accordance with manufacturer’s written instructions.

CONSTRUCTION REQUIREMENTS

Subsection 608.03 shall add the following:

Examination: Examine surfaces indicated to receive paving for compliance with requirements for tolerances and other conditions affecting performance of stone pavers. Do not proceed with installation until unsatisfactory conditions have been corrected. Prior to excavation, the area to receive stone panels shall be staked and grade elevation established to ensure proper grades.

Granite panel locations shall be blocked out within sidewalk paving as shown on the Drawings. Prior to installation of panels, erect mock-up(s) for form. Do not install in rain or snow. Do not install when outside temperature is below 40 degrees Fahrenheit.

Properly crate and band stone units for shipment and receiving at job site. Crating of stone and packaging of accessory item shall be respective and related to the job conditions for installation.

Handle each stone materials on wood skids or pallets, covered with non-staining, waterproof membrane. Place and stack skids and stone to distribute weight evenly and to prevent breakage or cracking of stone. Protect stored stone from detrimental weather conditions with circulate around stone during extended periods of storage.

Inspect areas and conditions under which work is to be performed and notify the Engineer in writing of conditions detrimental to the proper and timely completion of the work. Verify concrete base is free of standing water, dust, oil, grease, paint, wax, curing compounds, primer, sealants, form release agents, or any deleterious substances and debris which may prevent or reduce bonding.

Conduct moisture tests to verify that concrete surfaces are completely cured, free from hydrostatic pressure and having a moisture content less than 5%.

Verify that grout materials can be cleaned from panels, or provide coating to markers to facilitate removal of grout materials.

If leveling of the concrete surface is necessary, apply thick set latex Portland cement mortar surface leveling materials to set prior to installation. Moisten concrete base and apply slurry bond coat to concrete base per manufacturer's directions. Mix and apply mortar setting bed material in accordance with the manufacturer's instructions. Spread mortar in quantities that will remain plastic and workable during the installation of the panels.

Moisten the bottoms of the markers prior to placing on thick-set materials. Lay panels as indicated on the Drawings. Maintain $\frac{1}{4}$ inch wide joints. Joints shall be uniform and straight in both directions as indicated on the Drawings. Follow manufacturer's recommended times for setting mortar to cure before grouting. Maintain clean surfaces and joints before applying grout. Grout joints in accordance with ANSI A108.10.

Stone Panel Installation: Place panels in pattern as shown on the Drawings. Place panels hand tight. The joints between longitudinal panels should be <math><\frac{1}{4}</math> inch.

Final Surfacing: The top surface of the panels shall be no more than 1/8 inch above the final elevations to compensate for possible minor settling.

Protect finished panels from foot traffic for at least 72 hours after completion of the installation (or per the mortar and grout manufacturer's recommendations). After panels are complete, protect work from damage due to subsequent construction activity on the site.

Repair and replace defective panels which are loose, chipped, broken, stained, or otherwise damaged, or as directed by Engineer. Provide new units to match adjoining units and install in the same manner as original units, with same joint treatment to eliminate evidence of replacement. Unfilled or defective joints shall be properly repaired.

After completion of any repair work, clean exposed surfaces of all stone units installed with clean water and stiff fiber brushes until all dirt, stains, efflorescence, mortar, and other defacements are removed. Use cleaner and procedures recommended by stone quarry.

BASIS OF PAYMENT

Subsection 608.04 shall add the following:

The accepted quantities will be paid for at the contract unit price for each individual panels fabricated and installed.

Payment will be made under:

Pay Item

Stone Panels

Pay Unit

Each

END OF REVISION OF SECTION 608

REVISION OF SECTION 613 LIGHTING

The standard special provision dated June 29, 2006 that revises or modifies CDOT's Section 613 of the Standard Specifications for Road and Bridge Construction is hereby revised to include:

Subsection 613.02(a), delete the words "precast concrete or", and delete the second paragraph.

Subsection 613.02(b), is hereby revised to read as follows:

Light Standard. A complete light standard includes the metal light pole, mast arm or arms, base, in-use receptacle, grounding system, and all hardware. Pole shall have a handhole. Pole and mast arm or arms shall be the type and size shown on the plans.

Subsection 613.02(e), is hereby revised to read as follows:

Luminaire. A complete luminaire includes the housing, lens, reflector, lamp, lamp holder, ballast, approved manufacturer mounting equipment, and all necessary internal wiring. Luminaires shall operate at 120 VAC, 60 Hz.

Subsection 613.02(f) and (g), Replace "NEMA 4" with "NEMA 3RX".

Subsection 613.02(i), replace (3) Light Standard Type "(steel or aluminum)" with "(cast Iron or ductile iron)".

Subsection 613.02(i), is hereby revised to include the following:

The list shall include the brand name, any identifying numbers, relevant technical data and any other information necessary for the agency responsible for maintenance of the system to procure exact replacements of any and all equipment and material used on the project.

It is the intent of the specifications to establish quality standards of materials and equipment installed. Hence, specific items are identified by manufacturer, trade name, and/or catalog designation. Should the Contractor propose to furnish materials and equipment other than those specified as permitted by the "or approved equal" clauses, he shall submit a written request with complete descriptive and technical data (including cut sheets and/or drawings of equipment) for all items and shall be made within 14 days of award of contract, unless otherwise noted. No substitutions shall be permitted on luminaires or poles.

Where such substitutions alter the design, conduit, wiring, or space requirements indicated on the plans, the Contractor shall include all items of cost for the revised design and construction.

Acceptance or rejection of the proposed substitutions shall be subject to the approval of the Engineer. Under no circumstances will the Engineer be required to prove that an item proposed for substitution is not equal to the specified item. It is mandatory that the Contractor submit to the Engineer in writing all evidence required to support the contention that the item

proposed for substitution is equal to the item indicated on the plans and in the specifications. If requested by the Engineer, the Contractor shall submit for inspection samples of both the specified and proposed substitute items, or as otherwise noted.

Subsection 613.02, is hereby revised to include:

- (j) The design, manufacture, and testing of all electrical equipment and materials shall conform to or exceed the latest applicable standards of NEMA, IEEE, and ANSI.

Subsection 613.03, the first paragraph, is hereby revised to include:

The electrical point of service and service entrance portion of the installation shall be in compliance with the rules, regulations, and requirements of the power company supplying power to the project. If there is a conflict between codes and these specifications and/or drawings, the most stringent requirements shall apply.

The Electrical Contractor shall ensure that all work, all materials employed, all required equipment, and the manner and method of installation conform to accepted construction and engineering practices, and that each piece of equipment is in satisfactory working condition to satisfactorily perform its functional operation.

The Electrical Contractor shall ensure that all installers are licensed in their craft in accordance with applicable regulations and the regulations pertaining to journeyman to apprentice ratios are complied with. Upon request, installers shall provide proof of licensure where such licensure is required.

Subsection 613.03, the second paragraph, is hereby revised to include:

The Contractor is to study all drawings - landscape and electrical - and report any errors or omissions to the Engineer prior to bidding. The Contractor shall be responsible for the exact fitting of all materials and equipment in the project. The lighting and electrical drawings that constitute an integral part of this contract shall serve as working drawings. The electrical system layouts indicated on the drawings are generally diagrammatic, but shall be followed as closely as actual construction and work of other trades will permit. Govern exact routing of cable and wiring and the locations of luminaires and electrical enclosures by the curb and sidewalk and the equipment served. Take all dimensions from roadway plan drawings and field conditions. Do not scale from lighting and electrical drawings.

Subsection 613.03 is hereby revised to include:

The Contractor shall make necessary arrangements for and provide, maintain (and remove after construction) a complete temporary power and lighting system to allow work to progress in all phases of construction.

The system shall consist of a secondary service, distribution system, panelboards with G.F.I. breakers, branch circuits, 20 ampere duplex grounded type receptacle outlets and sufficient lighting to provide acceptable levels of illumination, all in compliance with all state and local

safety laws and ordinances, and in particular per OSHA requirements. Installation to be in accordance with the National Electrical Code (NEC).

The Contractor is to coordinate with the utility company as to type of power available, location, and connection date.

All metering provisions and equipment shall be installed in accordance with the local utility standards.

Subsection 613.05 is hereby revised to include the following:

Pole shall be of the specified type and size shown on the plans.

Light standards shall be installed as shown on the plans. The careful erection and aligning of the light standards to a plumb position is essential. The assembled lighting standard shall, under dead load and at equal ambient temperatures, be as near to true vertical alignment as practical. Anchor bolts shall accommodate the anchorage of the light pole from its base to the foundation.

Subsection 613.05 The second paragraph is hereby revised to read as follows:

Defects and scratches on poles shall be repaired with touch-up paint.

Subsection 613.06, the first paragraph, is hereby deleted.

Subsection 613.06, the second paragraph, second sentence is deleted.

Subsection 613.06, the fourth paragraph, delete the second and third sentence.

Subsection 613.06, the fifth paragraph, is hereby deleted.

Subsection 613.06 is hereby revised to include the following:

Luminaires and ballast assemblies shall be securely fastened to the pole and each luminaire shall be adjusted so as to mount vertically plumb when erection is complete. The Contractor shall be responsible for the correct placement and alignment of the luminaires with respect to the area.

Subsection 613.07, the first paragraph, is hereby revised to include:

Install all wiring in raceway, unless specifically shown otherwise. Sizes for conduits, unless specifically shown otherwise, shall be determined from Table 3A for conductors, Chapter 9 of latest National Electrical Code.

Subsection 613.07, the third paragraph replace (2") with (1").

Subsection 613.07, the sixteenth paragraph, is hereby revised to include:

Where cutting, channeling, chasing, or drilling of roadway, sidewalks, or other surfaces is necessary for the proper installation of raceway or other electrical equipment, the work shall be carefully laid out in advance and carefully done. Any damage to the equipment or any defaced finished surface shall be repaired by skilled mechanics of the trades involved at no additional cost to the owner.

Verify locations of all existing and/or new underground utilities prior to installing conduit and, if damaged by this Electrical Contractor, replace immediately in an approved manner and at no expense to the owner.

Subsection 613.07, the seventeenth, eighteenth, and nineteenth paragraphs, are hereby deleted.

Subsection 613.08, the first paragraph, is hereby revised to include:

Install all wire continuous from terminal to terminal. Splices in cables when approved shall be made in pull boxes. Make branch circuit splices in splice with boxes with water proof splice blocks. Splices shall be held to a minimum. Pull no wire into any portion of the conduit system until all construction work that might damage the wire has been completed. Provide wire markers where number of conductors in a box exceeds five.

Subsection 613.08, the third paragraph, is hereby revised to include the following:

Luminaires shall be operated at voltage indicated on plans.

Subsection 613.09, first paragraph, Replace “NEMA 4” with “NEMA 3RX”.

Subsection 613.12, the Basis of Payment is lump sum and the Pay Item Table is hereby replaced with the following:

Refer to the project tabulations sheet for a summary of anticipated quantities.

END OF REVISION OF SECTION 613

REVISION OF SECTION 622 BENCH

Subsection 622.01 shall add the following:

This work consists of furnishing and installing prefabricated benches in the locations shown on the drawings.

MATERIALS

Subsection 622.02 shall add the following:

6 Foot long surface mounted metal bench shall be as manufactured by Victor Stanley, #RB-28, powder-coated in RAL 5015 Sky Blue or approved equal. Provide 3/8 inch by 4 inch long expansion anchor bolts for securing bench to concrete surfaces.

CONSTRUCTION REQUIREMENTS

Subsection 622.03 shall add the following:

Deliver materials to site in manufacturer's original unopened containers and packaging. Upon delivery, examine packages immediately to ensure all products are complete and undamaged.

Store products in a protected, dry area in manufacturer's unopened containers and packaging. Protect product's finish from damage during handling and installation.

Remove all parts from their boxes and bags, and place on towels to prevent scratching. Lift the seating section in an upright fashion (with mounting plates at the bottom) and rest it gently on a raised soft surface to protect finish. Attach the top hub and seat brace with hardware provided by manufacturer.

Once the end frames are attached to the seating section, gently raise the bench and set in the location where you want to secure it. Do not drag the bottom of the seating section on the raised surface, or the feet on the ground, so as to not scratch the surface. Carefully inspect the bench from front and back to ensure the bench is sitting straight. Once everything is straight and aligned properly, tighten all hardware. Attach seat assembly to end units with Surface mount bench in locations shown on the plans with rock bolts. It is not recommended to locate anchor bolts until bench is in place.

BASIS OF PAYMENT

Subsection 622.04 shall add the following:

The accepted quantities will be paid for at the contract unit price for installed bench.

Payment will be made under:

Pay Item

Bench

Pay Unit

Each

END OF REVISION OF SECTION 622

**REVISION OF SECTION 622
BICYCLE RACK**

Subsection 622.01 shall add the following:

This work consists of furnishing and installing prefabricated bicycle racks in the locations shown on the drawings.

MATERIALS

Subsection 622.02 shall add the following:

Bicycles racks as manufactured by Madrax, Inc. U190-SF-P-MOD: Inverted U's shall be fabricated from 1-1/2" Schedule 40 pipe, in accordance with ASTM F 1083, 1.90"x 0.145" wall. The U's shall measure 36" high x 18" wide. The bicycle racks shall not be welded in sections. Only the base plate shall be welded to the steel pipe with two 1/8" vent holes – one on the inside of each upright where the pipe is welded to the baseplate. After fabrication, the rack shall be coated with Thermoplastic (polyethylene copolymer based) powder coating (polyarmor) to a thickness of 8-12 mils. Color shall be RAL 5015 Sky Blue to match new benches. Expansion anchors for mounting shall be carbon steel mushroom head, 10 mm x 76 mm (3/8"x 3") "spike" #5550 as manufactured by Rawl, or approved equal manufactured in the U.S. made from grad 8.2 materials exhibiting equivalent theft-proof performance.

CONSTRUCTION REQUIREMENTS

Subsection 622.03 shall add the following:

Racks shall be surface mounted to concrete via 7-1/2" diameter baseplates (3/8") thick steel in accordance with ASTM A 36, with three 7/16" mounting holes on each base plate, spaced equidistant between the upright pipe and edge of the baseplate. Racks shall be set firm and aligned with a tolerance of plus or minus 1/4" from plumb. Where required, steel tapered shims shall be installed prior to anchoring in place. Any departure of base plate from grade by more than 3/8" shall require the separation to be filled with high-strength epoxy non-shrinking grout and made level.

BASIS OF PAYMENT

Subsection 622.04 shall add the following:

The accepted quantities will be paid for at the contract unit price for installed bicycle rack.

Payment will be made under:

<u>Pay Item</u>	<u>Pay Unit</u>
Bicycle Rack	Each

**END OF REVISION OF SECTION 622
REVISION OF SECTION 622
PLANTERS**

Subsection 622.01 shall add the following:

This work consists of furnishing and installing prefabricated planters in the locations shown on the drawings. It also includes removing the existing planters in Greektown and turning them over to the District.

MATERIALS

Subsection 622.02 shall add the following:

24 inch diameter by 26 inch height steel reinforced precast concrete planter, #TF4228 with #7 Band design, custom modified as shown on the drawings, and Weatherstone finish in Sand (B3) by Wausau Tile, 1-800-388-8728, or approved equal.

CONSTRUCTION REQUIREMENTS

Subsection 622.03 shall add the following:

Place planters in locations shown on the plans or as directed by Owner.

BASIS OF PAYMENT

Subsection 622.04 shall add the following:

The accepted quantities will be paid for at the contract unit price for installed planters.

Payment will be made under:

<u>Pay Item</u>	<u>Pay Unit</u>
Planter	Each

END OF REVISION OF SECTION 622

REVISION OF SECTION 623 IRRIGATION SYSTEM

Section 623 of the Standard Specifications is hereby revised for this project as follows:

Delete subsection 623.03 and replace with the following:

623.03 Backflow Preventer. Febco 825YA Backflow Prevention Device with Strongbox enclosure, model SBBC-Stainless Steel.

Delete subsection 623.04 and replace with the following:

623.04 Automatic Controller and Remote Control Equipment. Rainbird ESP-SMT 4-Station Outdoor Controller with dimensions 10.7” wide, 7.7” high and 4.4” deep.

Automatic controllers within Greektown shall include a weatherproof controller enclosure with grounding per manufacturer recommendations, outside disconnect, inside fused disconnect, interior duplex outlet, and Xcel service pole number permanently marked inside enclosure. Include ventilation louvers and exhaust fan. Acceptable product: Stainless steel pedestal-mounted of appropriate size, or approved equal. Concrete Pad shall comply with Section 412 Portland Cement Concrete Pavement.

Automatic Controllers within CBID shall be placed inside electrical service cabinets, not in a separate individual enclosure. Coordinate installation with lighting contractor.

Delete subsection 623.06 and replace with the following:

623.06 Control Wiring. Golf Course UL approved direct burial solid conductor copper wiring, polyethylene insulator. Smaller than 14AWG solid HDPE wire not allowed; no multi-strand wire. Use valve manufacturer wire sizing recommendations. Runs listed below are general guidelines:

Control wire: minimum AWG #14 black (spare red)

24 V: For runs up to 1,210 linear feet use #14 AWG; up to 1,350 linear feet use #12; up to 1,460 linear feet use #10

Common wire: minimum AWG #12 white (spare purple)

#12 AWG up to 1,350 linear feet; #10 AWG up to 1,450 linear feet

Data wire: #14 Green and Blue

Tracer wire: #10-1 UFUL, yellow. Poly marker tape required.

Connectors: Waterproof pre-filled nuts only, such as King, and DBY and DBR connectors by 3M

Grounding: Rod and wire must provide 7 OHMS or less resistance

Conduit: Schedule 40 PVC

Grounding: Rod and wire must provide 7 OHMS or less resistance

Conduit: Class 200 PVC

Delete subsection 623.09 and replace with the following:

623.09 Bubblers.

- (a) Bubblers. Rainbird 1400 Series bubbler, 0.5 gpm each, 2 bubblers per tree, installed per Drawings. Bubbler discharge rate must not exceed soil infiltration rate. Top of bubbler shall not exceed 2" height above mulch soil surface.

Delete subsection 623.10 and replace with the following:

623.10 Plastic Pipe and Fittings.

- (a) Main Lines (pressurized, downstream of backflow prevention units): Class 200 PVC BE. All PVC pipe will conform to the requirements of the United States Department of Commerce commercial standard Type 1-ASTM-D-2241. Main line water flow velocity shall not exceed five (5) feet per second.
- (b) Lateral Lines: Class 200 PVC Piping - 1" minimum diameter. Velocity of water flow in polyethylene pipe shall not exceed 7-1/2 feet per second.
- (c) Brass Pipe and Fittings: 85% red brass, ANSI Schedule 40 screwed pipe. Fittings - Medium brass, screwed 125 pound class.
- (d) Sleeving:
 - 1. Horizontal sleeves under paved surfaces: Class 200 PVC.
 - 2. Vertical sleeves for access to drains and valves: Class 200 PVC.
 - 3. Horizontal sleeving for boring applications: HDPE

Delete subsection 623.11 and replace with the following:

623.11 Valves.

- (a) Automatic Control Valve: Rain Bird PESB-PRS 1" Control Valve shall be used for applications with low flow operating capability (0.25 gpm; 0.06 m³/h; 34 1.21m) for wide range applications.
- (b) Quick Coupling Valves: RainBird 44-LRC brass two-piece body, designed for working pressure of 150 PSI; 1" FIP. Equip quick coupler with locking rubber cover, key and brass swivel. All quick coupling valves to be used for winterization shall be constructed of all brass swing joint and fittings.
- (c) Mainline Pressure Reducing Valve: Included with control valve.
- (d) Manual Drain Valve: Mueller Oriseal #H-10284 or MacDonald AY 1" 3061 with brass swing joint assembly.
- (e) Gate Valve or Isolation Valve: 10RT Ring Tite by Matco-Norca or approved equal.

Delete subsection 623.12 and replace with the following:

623.12 Valve Box.

- (a) Isolation Valves, Quick Coupling Valves, Drain Valves, Wire Splices and Ground Rods - Carson Brooks T-cover 910-4B with lock bolt kit with green valve box lid. Brand lids: Isolation/Gate Valve with “GV”, Quick Coupler Valve with “QC”, Manual Drain Valve with “DV”, Air Relief Valve
- (b) Electric Control Valve Box: Shall have locking cover branded with the zone number.
 - 1) Single valve location only, 3/4 inch through 2 inch: Carson Brooks 1419-12 with 1419-4B-T cover with lock bolt kit.
 - 2) No double or multiple valve clusters will be allowed.
 - 3) Box Color for valves: green
 - 4) Gravel Leveling Bed and Drainage Sump in Valve Boxes: ¾” crushed gravel wrapped in geotextile, as indicated on Drawings

Delete first paragraph of subsection 623.17 and replace with the following:

623.17 Pipe Installation. Minimum cover for irrigation pipe shall be as follows:
Depth of mainline from top of pipe - 24” to 30” below finished grade
Depth of mainline sleeving under roadways – 30” below finished grade
Depth of mainline sleeving under sidewalks – 24” below finished grade
Depth of lateral lines – 12” below finished grade
Depth of lateral sleeving under sidewalk – 12” below finished grade
Depth of wiring – side of mainline

Subsection 623.23 shall add the following:

623.23 Pressure and Coverage Tests, and Adjustments. After the bubblers have been installed, and before installation of plant material, conduct a coverage test to determine if irrigated areas are receiving the proper amount of water. Make adjustments for proper coverage at no additional expense. Perform at no additional expense, the required work to correct any coverage problems due to deviations from irrigation plans that do not match field conditions.

END OF REVISION OF SECTION 623

REVISION OF SECTION 715 LIGHTING MATERIALS

The standard special provision dated June 29, 2006 that revises or modifies CDOT's Section 715 of the Standard Specifications for Road and Bridge Construction is hereby revised to include:

Subsection 715.03 (b) *Metal Light Standards*, Replace the first paragraph with the following:

Metal light standards shall be fabricated of cast iron or ductile iron.

Subsection 715.03 (b) *Metal Light Standards*, delete the third through tenth, and thirteenth paragraphs.

Subsection 715.03 (c) delete this paragraph.

Subsection 715.03 (b) *Metal Light Standards*, replace the twelfth paragraph with the following:
All bases shall have vandal resistant, removable hand hole covers.

Subsection 715.04 (a) *General (2) Optical Chamber*, delete the first sentence.

Subsection 715.04 (a) *General (3) Lens and lens door*, delete this paragraph.

Subsection 715.04 (a) *General (4) Electrical Components*, first sentence, delete "or 240 VAC".
Replace last sentence with the following: The ballast shall be easily removable from the luminaire housing without the use of tools.

Subsection 715.04 (b) delete this paragraph.

Subsection 715.04 (c) delete this paragraph.

Subsection 715.04 (e) *Lamps*. Revise this paragraph to read as follows:
Lamps for luminaires shall be the type and wattage as shown on the plans.

Subsection 715.04 (e) *Lamps*. Delete paragraphs two and three.

Subsection 715.05 Revise title to read, "Ballasts".

Subsection 715.05 (a) *Ballasts*. Delete last sentence.

Subsection 715.05 (b) *Induction Lamp Power Generators...* Delete this paragraph.

Subsection 716.06 Conduit, delete the third paragraph.

Subsection 716.06 Conduit, Fourth paragraph, revise "STREET LIGHTING" to read "PEDESTRIAN LIGHTING".

Subsection 715.07 Lighting Circuitry and Wiring. Revise the first sentence to read as follows:
Lighting systems shall be photoelectric controlled. Photoelectric controls shall be hermetically sealed.

Subsection 715.08 Secondary Service Pedestals and Lighting Control Centers. Revise the second paragraph to read as follows:

The cabinets shall be constructed of 10 gauge corrosion-resistant stainless steel with stainless steel hoods and covers. Cabinets shall be NEMA 3RX construction and shall be UL listed as “Enclosed Industrial Control Equipment” (UL508).

Subsection 715.08 Secondary Service Pedestals and Lighting Control Centers. Delete the third, sixth, seventh, eighth, fifteenth, seventeenth and eighteenth paragraphs.

Subsection 715.08 Secondary Service Pedestals and Lighting Control Centers. Revise the ninth paragraph to read as follows:

There shall be a print pocket on the inside of the door. The print pocket shall hold all wiring schematics and instructions in a clear weatherproof sleeve with a side opening.

Subsection 715.08 Secondary Service Pedestals and Lighting Control Centers, fourteenth paragraph, revise the 5th sentence to read as follows:

The contactor coil shall operate on 120 Volts.

Subsection 715.08 Secondary Service Pedestals and Lighting Control Centers, paragraph sixteen, delete the second sentence.

END OF REVISION OF SECTION 715