



Authorized by: J. Raschall  
Title: Managing Civil Engineer  
Date: 6/2/2014

**June 2, 2014**

**Addendum Number 1 to the Contract Documents for the  
Invitation to Bid for P21080; Franklin/McVay Sanitary Sewer Extension**

The City of Springfield is amending the above mentioned Invitation to Bid issued on May 23, 2014 This Addendum is hereby made a part of the original contract documents to the same extent as though it were originally included therein.

- 1.) Bid Submittal document is deleted in its entirety and replaced with a revised version of the Bid Submittal with a revision date of 06/02/14. Changes were made to the bid items shown under Schedule B – Springfield Utility Board Waterline and Electrical Facilities. See Attachment 1 to this Addendum.
- 2.) Special Provisions Section C – Measurement and Payment, C1. General. Schedule B – Springfield Utility Board Waterline and Electrical Facilities, Item No.:

Item No. B-0254a – Furnish and Install 2-Inch Conduit (Joint Trench With Water Line):

Delete the statement "Excavation (except rock excavation), bedding, and back-fill operations of 2-inch joint trench conduit shall be considered incidental to the Bid Item for Furnish and Install 16-inch Ductile Iron Pipe, B-0707."

Replace it with "Excavation (except rock excavation), bedding, and back-fill operations of 2-inch joint trench conduit shall be considered incidental to the Bid Item for Furnish and Install 24-inch Ductile Iron Pipe, B-0707a."

Item No. B-0254b – Furnish and Install 4-Inch Conduit (Joint Trench With Water Line):

Delete the statement "Excavation (except rock excavation), bedding, and back-fill operations of 2-inch joint trench conduit shall be considered incidental to the Bid Item for Furnish and Install 16-inch Ductile Iron Pipe, B-0707."

Replace it with "Excavation (except rock excavation), bedding, and back-fill operations of 2-inch joint trench conduit shall be considered incidental to the Bid Item for Furnish and Install 24-inch Ductile Iron Pipe, B-0707a."

Add new bid items as follows:

B-0707a - Furnish and Install 24-Inch Ductile Iron Pipe: Payment for furnishing and installing 24-inch ductile iron pipe shall be made per Linear Foot (LF) as actually installed. The measure for payment will be the field measured centerline length of the pipe in place within the limits shown on the Plans. Payment for pipe installation shall constitute full compensation for all labor, equipment, clearing the construction area, trench excavation (except rock excavation), bedding, and back-fill operations, thrust restraint devices, and any incidental expenses necessary to prepare the constructed water line for use and connection to the existing water distribution system.

B-0708a - Furnish and Install 24-Inch Butterfly Valve: Payment for furnishing and installing 24-inch Butterfly valves shall be made at the unit price for Each (EA) valve. The unit price shall be full compensation for the valve, complete including: excavation (except rock excavation), back-

fill, mechanical joint restraints, flange kits, valve box, valve lid, valve insert, valve riser, and any other incidental expenses necessary to complete the installation.

B-0709a - Furnish and Install 24-Inch Ductile Iron Bends: Payment for furnishing and installing 24-inch ductile iron bends shall be made at the unit price for Each (EA) fitting. The unit price shall be full compensation for the fitting, complete including: labor, equipment, clearing the construction area, trench excavation (except rock excavation), bedding, back-fill operations, mechanical restraint devices, and any other incidental expenses necessary to complete the installation.

A revised version of Special Provisions Section C, Measurement and Payment is included with this Addendum and includes all changes specified in number 2 above. See Attachment 2 to this Addendum.

- 3.) Plan Sheet W-1 is deleted in its entirety and replaced with a revised version labeled "REVISED WITH ADDENDUM 1 DATED 06/02/14". See Attachment 3 to this Addendum.
- 4.) Springfield Utility Board Construction Specifications W-401M.02.03A Water Line Steel Casing is changed as follows:

Delete the following statement in its entirety, "Casing pipe for open cut construction shall be uncoated steel pipe conforming to ASTM A 139 with a minimum diameter as specified on the Plans and a nominal thickness of 8/16" (0.500"). Steel shall be A-139 grade B. Welded joints shall be in accordance with AWWA C 206. The annular space between the water line and carrier pipe shall not be filled. Water line installed in a casing pipe shall be restrained joint pipe pipe in accordance with W-401M.02.06B of these specifications."

Replace it with the following "Casing pipe for open cut construction shall be uncoated steel pipe conforming to ASTM A 139 with a minimum diameter as specified on the Plans and a nominal thickness of 9/16" (0.5625"). Steel shall be A-139 grade B. Welded joints shall be in accordance with AWWA C 206. The annular space between the water line and carrier pipe shall not be filled. Water line installed in a casing pipe shall be restrained joint ductile iron pipe in accordance with W-401M.02.07B of these specifications."

In the event that it is necessary to further amend, revise or supplement any part this Invitation to Bid additional addenda will be posted on the City's website at <http://www.springfield-or.gov/dpw/P21080DranklinMcVaySanitarySewerExtension.htm>.

The City shall make a reasonable effort to notify all individuals, firms, and corporations to whom the City provided the initial Invitation to Bid and those individuals that attended a Pre-Bid meeting and provided contact information on the sign-in sheet when addenda are issued. Failure of the Contractor to receive or obtain such addenda shall not excuse them from compliance, if they are awarded the Contract. The City is not responsible for any explanation, clarification, interpretation or approval made or given in any manner except by written addenda issued by City.

All Addenda issued are considered to be part of the specifications of the Invitation to Bid and, as such, are incorporated into the Contract as specified in Section 104.02 of the Standard Construction Specifications.

By signing below, I acknowledge the receipt of the following Addenda documents and certify that the specifications contained have been considered and incorporated into the bid as presented. No other terms or conditions of the Invitation to Bid are changed as a result of this addendum.

**ALL BIDDERS MUST ACKNOWLEDGE THIS ADDENDUM BY SIGNING AND DATING THIS DOCUMENT AND INCLUDING IT AS PART OF THEIR SUBMITTAL PACKAGE.**

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Signature

Date



**City of Springfield**  
 225 Fifth Street  
 Springfield, OR 97477

**Bid Submittal – Amended 06/02/14 with Addendum 1**

Project No. P21080  
 Project Title: Franklin/McVay Sanitary Sewer Extension

The lowest responsive bidder shall be determined based on the combined total of Schedules A, B and C. However, should the City determine it is not in the best interest of the City to award Schedule C, the lowest responsive bidder shall be determined based on the combined total of Schedules A and B.

**SCHEDULE A - Franklin/McVay Sanitary Sewer Extension**

**Bid Items:**

Item No.	Description	Approx. Quantity	Per	Unit Price	Total Price Extension
A-0006	Internal Sewer Video Inspection	1	LS	\$	\$
A-0046	Potholing for Fiber Optic Within the UPRR Right-of-Way	1	LS	\$	\$
A-0058	Contaminated Soil Excavation and Disposal	50	CY	\$	\$
A-0058a	Contaminated Groundwater Mitigation	1,000	GAL	\$	\$
A-0060	Mobilization, Demobilization, Bonds and Insurance	1	LS	\$	\$
A-0064	Erosion Control	1	LS	\$	\$
A-0061	Temporary Traffic Control	1	LS	\$	\$
A-0069	General Surface Restoration	1	LS	\$	\$
A-0072	Cold Plane Pavement Removal – 2-Inch Depth	3,800	SY	\$	\$
A-0072a	Cold Plane Pavement Removal – 0-Inch to 2-Inch Depth	2,050	SY	\$	\$
A-0073	Trench Foundation Over Excavation and Subgrade Stabilization	50	CY	\$	\$
A-0076	Trench Rock Excavation	300	CY	\$	\$

Item No.	Description	Approx. Quantity	Per	Unit Price	Total Price Extension
A-0121	Reinforced Concrete Commercial Driveway Apron	160	SY	\$	\$
A-0121a	Transition Behind Concrete Driveway	250	SY	\$	\$
A-0126	Asphalt Approach	21	EA	\$	\$
A-0132	Remove and Replace Existing Standard Concrete Curb and Gutter	680	LF	\$	\$
A-0142	Truncated Domes for Handicap Ramps	4	EA	\$	\$
A-0148	Remove and Replace Existing Concrete Sidewalk	500	SY	\$	\$
A-0197	Saw-Cutting Existing Surfacing - Saw-Cut First 4-Inch Depth	16,000	LF	\$	\$
A-0197a	Saw-Cutting Existing Surfacing - Saw-Cut per Inch Depth Beyond First 4 Inches	128,000	IN-LF	\$	\$
A-0257	Furnish and Install 8-Inch Diameter ASTM D3034 SDR 26 PVC Sewer Pipe	540	LF	\$	\$
A-0261	Furnish and Install 18-Inch Diameter ASTM F679 PS115 PVC Sewer Pipe	4,080	LF	\$	\$
A-0277	Furnish and Install New 48-Inch Diameter Sanitary Sewer Manholes (0 to 10 Feet Deep)	15	EA	\$	\$
A-0277a	Additional Depth of 48-Inch Diameter Manholes Beyond 10 Feet Deep	75	FT	\$	\$
A-0278	Furnish and Install New 60-Inch Diameter Sanitary Sewer Manholes (0 to 10 Feet Deep)	1	EA	\$	\$
A-0278a	Additional Depth of 60-Inch Diameter Manholes Beyond 10 Feet Deep	1	FT	\$	\$
A-0279	Furnish and Install New 72-Inch Diameter Sanitary Sewer Manholes (0 to 10 Feet Deep)	1	EA	\$	\$
A-0279a	Additional Depth of 72-Inch Diameter Manholes Beyond 10 Feet Deep	7	FT	\$	\$
A-0279b	Furnish and Install Outside Drop Structure at Manholes	1	EA	\$	\$
A-0360	Manhole Frame and Cover Adjustment (New and Existing)	13	EA	\$	\$

Item No.	Description	Approx. Quantity	Per	Unit Price	Total Price Extension
A-0542	Hot Mix Asphaltic Concrete (HMAC) Trench Pavement, 2-Inch Overlay and 2-Inch Inlay, Level 3, 1/2-Inch Dense Pavement Restoration	4,500	TON	\$	\$
A-0587	Hand Railing	122	LF	\$	\$
A-0617	Permanent Pavement Striping and Marking	1	LS	\$	\$
A-0861	Control Density Fill (CDF) Trench Backfill	500	CY	\$	\$
<b>Schedule A Bid Item Total:</b>				\$	

### SCHEDULE B - Springfield Utility Board Waterline and Electrical Facilities

#### Bid Items:

Item No.	Description	Approx. Quantity	Per	Unit Price	Total Price Extension
B-0007	Flushing/Testing/Chlorination	1	LS	\$	\$
B-0073	Trench Foundation Over Excavation and Subgrade Stabilization	10	CY	\$	\$
B-0076	Trench Rock Excavation	25	CY	\$	\$
B-0197	Saw-Cutting Existing Surfacing – Saw-Cut First 4-Inch Depth	850	LF	\$	\$
B-0197a	Saw-Cutting Existing Surfacing - Saw-Cut per Inch Depth Beyond First 4 Inches	3,400	IN-LF	\$	\$
B-0254	Furnish and Install 2-Inch and 4-Inch Conduit (Own Trench)	1,080	LF	\$	\$
B-0254a	Furnish and Install 2-Inch Conduit (Joint Trench With Water Line)	1,005	LF	\$	\$
B-0254b	Furnish and Install 4-Inch Conduit (Joint Trench With Water Line)	879	LF	\$	\$
B-0255	Furnish and Install UPRR Crossing (Electric)	1	LS	\$	\$
B-0706	Furnish and Install UPRR Crossing (Water)	1	LS	\$	\$
B-0707	Furnish and Install 16-Inch Ductile Iron Pipe	36	LF	\$	\$

Item No.	Description	Approx. Quantity	Per	Unit Price	Total Price Extension
B-0707a	Furnish and Install 24-Inch Ductile Iron Pipe	198	LF	\$	\$
B-0708	Furnish and Install 16-Inch Butterfly Valve	1	EA	\$	\$
B-0708a	Furnish and Install 24-Inch Butterfly Valve	5	EA	\$	\$
B-0709	Furnish and Install 16-Inch Ductile Iron Bends	2	EA	\$	\$
B-0709a	Furnish and Install 24-Inch Ductile Iron Bends	2	EA	\$	\$
B-0710	Furnish and Install/Removal of 1-Inch Temporary Chlorination Point	1	EA	\$	\$
B-0711	Furnish and Install 24-Inch x 2-Inch Plug	1	EA	\$	\$
B-0712	Furnish and Install 16-Inch x 2-Inch Cap	1	EA	\$	\$
B-0713	Furnish and Install 6-Inch Flush Point	1	EA	\$	\$
B-0714	Furnish and Install 24-Inch x 16-Inch Tee	1	EA	\$	\$
B-0861	Control Density Fill (CDF) Trench Backfill	108	CY	\$	\$
<b>Schedule B Bid Item Total:</b>				\$	

**Schedule C - Additive Alternate – Work associated with the new sewer main on East 19<sup>th</sup> Ave., Station A0+00 to A9+73 and the modifications to the Nugget Way pump station and force main are included as an Additive Alternate.**

**Bid Items:**

Item No.	Description	Approx. Quantity	Per	Unit Price	Total Price Extension
C-0006	Internal Sewer Video Inspection	1	LS	\$	\$
C-0058	Contaminated Soil Excavation and Disposal	15	CY	\$	\$
C-0058a	Contaminated Groundwater Mitigation	250	GAL	\$	\$
C-0064	Erosion Control	1	LS	\$	\$
C-0061	Temporary Traffic Control	1	LS	\$	\$

Item No.	Description	Approx. Quantity	Per	Unit Price	Total Price Extension
C-0069	General Surface Restoration	1	LS	\$	\$
C-0072a	Cold Plane Pavement Removal – 0-Inch to 2-Inch Depth	1,100	SY	\$	\$
C-0073	Trench Foundation Over Excavation and Subgrade Stabilization	15	CY	\$	\$
C-0076	Trench Rock Excavation	50	CY	\$	\$
C-0126	Asphalt Approach	6	EA	\$	\$
C-0197	Saw-Cutting Existing Surfacing - Saw-Cut First 4-Inch Depth	3,720	LF	\$	\$
C-0197a	Saw-Cutting Existing Surfacing - Saw-Cut per Inch Depth Beyond First 4 Inches	14,880	IN-LF	\$	\$
C-0251	Modifications to Nugget Way Pump Station and Force Main	1	LS	\$	\$
C-0256	Furnish and Install 6-Inch Diameter ASTM D3034, SDR 35 PVC Sewer Laterals	45	LF	\$	\$
C-0259	Furnish and Install 12-Inch Diameter ASTM D3034 SDR 26 PVC Sewer Pipe	933	LF	\$	\$
C-0277	Furnish and Install New 48-Inch Diameter Sanitary Sewer Manholes (0 to 10 Feet Deep)	4	EA	\$	\$
C-0277a	Additional Depth of 48-Inch Diameter Manholes Beyond 10 Feet Deep	1	FT	\$	\$
C-0278	Furnish and Install New 60-Inch Diameter Sanitary Sewer Manholes (0 to 10 Feet Deep)	1	EA	\$	\$
C-0360	Manhole Frame and Cover Adjustment (New and Existing)	5	EA	\$	\$
C-0457	6-Inch x 12-Inch x 12-Inch ASTM D3034 Tee	2	EA	\$	\$
C-0542	Hot Mix Asphaltic Concrete (HMAC) Trench Pavement, 2-Inch Overlay, Level 3, ½-Inch Dense Pavement Restoration	900	TON	\$	\$
C-0617	Permanent Pavement Striping and Marking	1	LS	\$	\$
<b>Schedule C Bid Item Total:</b>				\$	
<b>Total Combined Bid Amount (Schedules A + B + C)</b>				\$	

## **Terms, Declarations and Bid Submittal**

### **Bidder's Understanding**

Bidders shall determine for themselves all the conditions and circumstances affecting the projected cost of the proposed work by personal examination of the site, Contract documents, and by such other means they may deem to be necessary. It is understood and agreed that in the event the City has obtained information from data at hand regarding underground or other conditions or obstructions depicted in the Contract documents, there is no expressed or implied agreement that such conditions are fully or correctly shown, and the Bidder must take into consideration the possibility that conditions affecting the cost or quantity of work may differ from those indicated.

The Bidder is familiar with and is satisfied as to all federal, state and local laws and regulations that may affect cost, progress, and performance of the work.

### **Bid**

The undersigned Bidder having examined the Specifications and Contractual Documents and having satisfied themselves as to all conditions to be encountered, hereby proposes to furnish all labor, material and equipment and perform all work necessary to complete Project No P21080 in accordance with this bid, the Contract Plans, City of Springfield Standard Construction Specifications, 1994 Edition, and all subsequent modifications, the Special Provisions, and all other Contractual Documents at the prices and on the terms herein contained.

The unit price bids are submitted with the understanding that the quantities stated are approximate and are given only as the basis of calculation for comparison of bids and determining that the unit prices are balanced and that final payment for all unit price bid items will be based on actual quantities.

It is understood that in the instance of a discrepancy between the unit price and the extension (total price extension) the unit price shall govern. The extension shall be determined by multiplying the unit price by the number of units (approximate quantity).

### **Bid Guarantee**

As required by ORS 279C.365(4) each bid shall be accompanied by a Bid Bond, cash, or a certified or cashier's check written upon a bank in good standing and in a form acceptable to the City, payable to the Finance Director of the City of Springfield, Oregon, in an amount equal to at least 10 percent of the total amount of the Bid. Bid Bonds shall be issued by a surety company registered to issue bonds in the State of Oregon, and utilizing a bond form acceptable to the City. The City will accept AIA Document A310-2010. The Bid Bond may not be altered.

Such Bid Guarantee shall be forfeited and become the property of the City in case the Bidder shall fail or neglect to furnish a satisfactory Performance and/or Payment Bond issued by a viable bond company acceptable to the City as required by ORS 279C.380 and to execute the Contract within ten (10) days (Saturday, Sunday, and holidays excepted) after receiving Contract from the City for execution. For information regarding Performance and Payment Bond requirements see City of Springfield Contract document, Section 5. City Bonding.

### **Bid Acceptance Period**

This bid will remain subject to acceptance for a period of 60 days after the bid opening, or for such longer period of time that the Bidder may agree to in writing upon request of the City.

### **Liquidated Damages**

The City of Springfield and the Contractor agree that; (a) the amounts so fixed are reasonable forecasts of just compensation for the harm that is caused by the breach; (b) the harm that is caused by the breach is one that is incapable of or very difficult of accurate estimation; and, (c) the amount so fixed is not fixed as a penalty to coerce performance of the Contract but is rather intended to be a genuine pre-estimation of injury to the City of Springfield in lieu of performance within the contract time by the Contractor.

**a. Delay**

It is agreed by the City of Springfield and by the Contractor that the need exists for a damage provision in the event the Contractor fails to complete the work within the Contract time specified, or any extension thereof, by the City of Springfield. The City of Springfield and the Contractor further agree that the Contractor shall be liable to the City of Springfield for fixed, agreed and liquidated damages for each and every calendar day of delay in the amounts as follows: \$700.00 per day for failure to complete all work specified to be complete by September 29, 2014 in the Contract Time of Completion section which follows; \$1,100.00 per day for failure to complete all work specified to be complete by September 30, 2015 in the Contract Time of Completion section which follows, in accordance with Subsection 108.07 of the Standard Construction Specifications.

**b. Failure to Report Spills**

The Contractor also agrees to liquidated damages in the amount of \$500.00 per incident for failure to report sewage spills plus an amount sufficient to reimburse the City for any civil and administrative penalties paid by the City as a result of the Contractor's failure to report. Failure to report sewage spills may subject the City to (1) civil penalties of up to \$32,500.00 per day of violation pursuant to Section 309(d) of the Clean Water Act, 33 U.S.C. § 1319(d); (2) administrative penalties of up to \$11,000.00 per day for each violation, pursuant to Section 309(g) of the Clean Water Act, 33 U.S.C. § 1319(g); or (3) civil action in federal court for injunctive relief pursuant to Section 309(b) of the Clean Water Act, 33 U.S.C. § 1319(b).

**Contract Time of Completion**

The Contractor shall not begin work under this bid until written Notice to Proceed has been received. The Contractor shall complete the work under this bid as follows: To be completed by September 29, 2014 – All work from near the intersection of Franklin Boulevard and McVay Highway (Station 0+80) to and including the ADA ramps at the intersection of McVay Highway and E. 19th Avenue, including the sewer manhole located within E. 19th Avenue (Station A0+58) and the Springfield Utility Board's waterline and electrical facilities. To be completed by September 30, 2015 – Completion of the project with a fully functional system. The actual commencement of work will begin within ten days after the date of the Notice to Proceed, or such other starting date as is fixed by the Notice to Proceed. No work will be allowed from September 30, 2014 to June 14, 2015 without prior approval from the City.

The Contractor shall apply for any extensions of time as specified in Subsection 108.06 of the Standard Construction Specifications.

**Certifications**

The undersigned hereby certifies that:

- 1.) If awarded the Contract, that they shall fully comply with all provisions regarding the prevailing wage rates as required by ORS 279C.800 to 279C.870 and/or 40 U.S.C. 2762 as applicable.
- 2.) The Contractor, Subcontractor, suppliers of materials or services, and others engaged by the contractors, shall comply at all times with and observe all such laws, ordinances, regulations, orders, and decrees; and shall hold harmless and indemnify the City of Springfield and its representatives against any claim or liability arising from or based on the violation of any such law, ordinance, regulation, order, or decree.
- 3.) In accordance with ORS 279C.505, the Contractor will;
  - a) Make payment promptly, as due, to all persons supplying to the Contractor labor or material for the performance of the work provided for in the Contract.
  - b) Promptly pay all contributions or amounts due the State Industrial Accident Fund, or private carrier of accident insurance, from such Contractor or Subcontractor incurred in the performance of the Contract. If a private carrier is used, the Contractor shall notify the Engineer as to the carrier's name and address before commencement of work.

- c) Not permit any lien or claim to be filed or prosecuted against the state or a county, school district, municipality, municipal corporation or subdivision thereof, on account of any labor or material furnished.
  - d) Pay to the Department of Revenue all sums withheld from employees under ORS 316.167.
  - e) Have an employee drug testing program in place at the time of signing the contract and will maintain such drug testing program in place over the life of the Contract.
- 4.) In accordance with ORS 279C.530, the Contractor will;
- a) Promptly, as due, make payments to any person, co-partnership, association or corporation, furnishing medical, surgical, and hospital care or other needed care and attention, incidental to sickness or injury, to the employees of such Contractor, of all sums which the Contractor agrees to pay for such services and all monies and sums which the Contractor:
    - 1. May or shall have deducted from the wages of his employees for such services pursuant to the terms of Oregon Revised Statutes and any contract entered in pursuant thereto; or
    - 2. Collected or deducted from the wages of his employees pursuant to any law, contract, or agreement for the purpose of providing or paying for such service; and
    - 3. All employers working under the Contract are either employers that will comply with ORS 656.017 or employers that are exempt under ORS 656.126.
- 5.) They have not, and will not, discriminate against a Subcontractor in the awarding of a subcontract because the Subcontractor is a minority, women or emerging small business enterprise certified under ORS 200.055 as required by ORS 279A.110.
- 6.) No Contractor, Subcontractor or any firm, corporation, partnership or association in which the Contractor or Subcontractor has a financial interest who appears on the *List of Contractors Ineligible to Receive Public Works Contracts*, as established by the Bureau of Labor and Industries, will perform work under this Contract, as specified in ORS 279C.860.
- 7.) No Contractor, Subcontractor or any firm, corporation, partnership or association in which the Contractor or Subcontractor has a financial interest who appears on the Construction Contractor's Board *Not Qualified to Hold Public Contracts* list, will perform work under this Contract, as specified in ORS 701.227(4).
- 8.) The Contractor shall have a current, valid certificate of registration issued by the Construction Contractor's Board as defined in ORS 701.005(2) and/or a valid landscape contractor's license as defined in ORS 671.520(2) by the State Landscape Contractor's Board, as applicable, in place at the time the bid is presented.
- 9.) All Subcontractors shall have a current, valid certificate of registration issued by the Construction Contractor's Board as defined in ORS 701.005(2) and/or a valid landscape contractors license as defined in ORS 671.520(2) by the State Landscape Contractor's Board, as applicable in place prior to performing any work under the Contract.
- 10.) The Contractor shall function as an independent contractor for the purposes of this Contract and shall not be considered an employee of the City of Springfield for any purpose. The Contractor shall assume sole responsibility for any debts or liabilities that may be incurred by the Contractor in fulfilling the terms of this Contract and shall be solely responsible for the payment of all federal, state, and local taxes which may accrue because of this Contract.

**Bid Addenda**

All Addenda issued are considered to be part of the specifications of the Invitation to Bid and, as such, are as incorporated into the Contract as specified in Section 104.02 of the Standard Construction Specifications.

By signing below, I acknowledge the receipt of the following Addenda documents and certify that the specifications contained in each have been considered and incorporated into the bid as presented. All Addenda must be included with the bid submitted.

Addenda Number	Addenda Date

**Declarations**

The undersigned Bidder declares that the only persons or parties interested in the bid are those named herein, that this bid is, in all respects, fair and without fraud, that it is made without collusion with any official of the City, and that the bid is made without any connection or collusion with any person submitting another bid on this project.

I have read, fully understand, and agree that as Bidder I, and all Subcontractors, will comply with all of the terms and conditions of the contract for which this bid is presented. By signing below I attest that I am an officer or a duly authorized representative of the business listed below and that I possess the legal authority to submit this bid for consideration.

Bidder's Signature \_\_\_\_\_

Bidder's Name *(Please Print)* \_\_\_\_\_

Title \_\_\_\_\_

Business Name \_\_\_\_\_

Business Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Phone Number \_\_\_\_\_ Cell Phone \_\_\_\_\_

E-mail Address \_\_\_\_\_ Fax Number \_\_\_\_\_

Date \_\_\_\_\_

**The award of this Contract shall be made to the responsible Bidder with the lowest responsive bid.**

## SPECIAL PROVISIONS

### SECTION C – Measurement and Payment

#### P21080 Franklin/McVay Sanitary Sewer Extension

**Revised to include changes made with Addendum 1 dated 06/02/14**

##### C1. General

Measurement and payment will be on a unit price basis in accordance with the prices set forth in the Bid Submittal for individual work items. Where work is required but does not appear as a separate item in the Bid Submittal, the cost for that work shall be included and absorbed in the unit prices named in the Bid Submittal. CONTRACTOR shall make a careful assessment when preparing the Bid Submittal.

Progress payment will be made in accordance with Special Provisions, Section A – General Requirements, Section A1.7 Progress Payment.

##### **Schedule A – Work associated with the new sewer main on Franklin/McVay Highway, Station 1+00 to 41+80**

<u>Item No.</u>	<u>Description</u>
A-0006	<u>Internal Sewer Video Inspection</u> : Payment for internal sewer video inspection associated with work on McVay Highway, including all equipment, inspection reports and the DVD of the inspection, will be on a Lump Sum (LS) basis.
A-0046	<u>Potholing for Fiber Optic Within the UPRR Right-of-Way</u> : Payment for potholing the existing fiber optic lines within the UPRR right-of-way where the new sanitary sewer, waterline and electrical conduit cross the fiber optic lines including excavation, dewatering, backfill, furnishing and installing temporary AC surface restoration, traffic control, surveying the elevation of the existing line, measuring the diameter of the existing line and notifying the ENGINEER of the measured and surveyed values, will be on a Lump Sum (LS) basis.
A-0058	<u>Contaminated Soil Excavation and Disposal</u> : Measurement and payment for the excavation and disposal of contaminated soil associated with work on McVay Highway will be made on a per Cubic Yard (CY) basis. Payment shall include all labor, equipment and material, excavation, stockpiling, pretreatment, transportation, disposal, notifications, fees, permits and CONTRACTOR standby time. This item covers payment for soil that is contaminated by petroleum based contaminants only that can be disposed of at a municipal solid waste facility permitted to accept such material. Material that is contaminated with other contaminants requiring disposal in a separate special waste facility, based on sampling and testing, is not covered in this Bid Item and will be covered by a negotiated change order to the contract.
A-0058a	<u>Contaminated Groundwater Mitigation</u> : Measurement and payment for the pre-treatment and/or removal and disposal of contaminated groundwater associated with work on McVay Highway will be made on a per Gallon (GAL) basis. Payment shall include all labor, equipment and material required for dewatering, storage, pretreatment, transportation, disposal, notifications, reporting, fees, permits and CONTRACTOR standby time. This item covers payment for groundwater that is contaminated by petroleum

based contaminants only that can be treated and discharged to the sanitary sewer system or disposed of at a municipal solid waste facility permitted to accept such material. Material that is contaminated with other contaminants requiring disposal in a separate special waste facility, based on sampling and testing, is not covered in this Bid Item and will be covered by a negotiated change order to the contract.

A-0060 Mobilization, Demobilization, Bonds and Insurance: Payment for mobilization, demobilization, bonds and insurance will be on a Lump Sum (LS) basis. The amounts paid for mobilization, demobilization, bonds and insurance in the contract progress payment will be based on the percent of the original contract amount that is earned from other contract items, excluding the amount paid for materials on hand, as follows:

- A. When 5 percent of the total original contract amount is earned from other Bid Items, excluding the amount paid for materials on hand, 50 percent of the amount bid for mobilization, or 5 percent of the total original contract amount, whichever is least, less normal retainage, will be paid.
- B. When 10 percent of the total original contract amount is earned from other Bid Items, excluding the amount paid for materials on hand, 100 percent of the amount bid for mobilization, or 10 percent of the total original contract amount, whichever is least, less normal retainage, will be paid.
- C. Upon completion of all work on the project, payment of any amount bid for mobilization in excess of 10 percent of the total original amount will be paid.

The above schedule of partial payments for mobilization shall not be interpreted to limit or preclude partial payments otherwise provided by the Contract.

A-0064 Erosion Control: Measurement and payment for temporary construction site erosion and sedimentation control measures associated with work on McVay Highway shall be on a Lump Sum (LS) basis. The Lump Sum (LS) price shall include compensation for all planning, design, labor, equipment and materials for construction site erosion and sedimentation control measures all in accordance with current requirements and regulations of the City of Springfield, Lane County, the Department of Environmental Quality, and any other government agencies with jurisdiction over the project and in accordance with the City of Springfield's NPDES 1200-CA Permit.

A-0061 Temporary Traffic Control: Payment for traffic control, maintenance and protection associated with work on McVay Highway including all coordination, materials, business access signs, project information signs, removing and replacing existing signs where required including replacing sign support posts, traffic control devices, labor and equipment, temporary pavement markings and striping, portable changeable message signs, flagging and all other temporary traffic control, as required, will be on a Lump Sum (LS) basis.

A-0069 General Surface Restoration: Payment for all required general surface restoration, other than streets, sidewalks and curbs, including stripping and stockpiling topsoil, re-grading to original elevation, bark mulching planting areas, repairing landscaped areas, seeding and cleanup following construction associated with work on McVay Highway including resurfacing gravel surfaces as required, will be on a Lump Sum (LS) basis.

A-0072 Cold Plane Pavement Removal – 2-Inch Depth: Payment for cold plane pavement removal (2-inch depth) of existing AC concrete surface associated with work on McVay Highway will be on a per Square Yard (SY) basis. Measurement shall be of the total area

ground, calculated by the ENGINEER using field measurements. Disposal of existing AC surfacing shall be considered incidental to this item. Temporary removal and reinstallation of castings shall be considered incidental to this Bid Item.

A-0072a Cold Plane Pavement Removal – 0-Inch to 2-Inch Depth: Payment for taper grind area required at the transition between grind and inlay and overlay, at project ends, at the intersection of McVay Highway and E. 19<sup>th</sup> Avenue and at asphalt approaches will be on a per Square Yard (SY) basis. Measurement shall be of the total area ground, calculated by the ENGINEER using field measurements. Disposal of existing AC surfacing shall be considered incidental to this item. Temporary removal and reinstallation of castings shall be considered incidental to this Bid Item.

A-0073 Trench Foundation Over Excavation and Subgrade Stabilization: Payment for over excavation and subgrade stabilization for unsuitable trench foundation conditions associated with work on McVay Highway will only be considered as approved by the ENGINEER, but when such pre-approval is obtained, payment will be made on a per Cubic Yard (CY) basis according to the volume of material excavated, measured by neat line at the location of the excavation, to the nearest 0.1 cubic yard. Price provided by the CONTRACTOR shall include the price for excavating beyond the normal Bid Item limits to the limits pre-approved by the ENGINEER, disposal of excavated material, furnishing and installing subgrade geotextile fabric, furnishing, placing and compacting crushed rock stabilization material in the excavated void.

A-0076 Trench Rock Excavation: Payment for trench rock excavation associated with work on McVay Highway will be made at the unit price per Cubic Yard (CY) of rock excavated and rock excavation will be paid for in addition to the lineal foot price for pipe, trench excavation and backfill. The Bid Item limits for pipe trench shall be 12 inches below the pipe invert and the width shall be the nominal pipe diameter plus 1 foot on each side of the pipe. Bid Item limits for manholes and other structures shall be to the depth necessary to install the structure and to a maximum of 18 inches beyond the outside walls of the manhole or structure. No payment will be made for trench rock excavation beyond these limits. Payment for the removal of cement treated base (CTB), when classified as rock as defined in Special Provisions, Section I - Earthwork, will be made at the unit price per Cubic Yard (CY) and have the Bid Item limits described for trench rock excavation.

A-0121 Reinforced Concrete Commercial Driveway Apron: Payment for reinforced concrete commercial driveway aprons complete shall be made on a per Square Yard (SY) basis, regardless of the apron style or required installed thickness. Work shall include furnishing and installing concrete and aggregate base, reinforcing, jointing, finishing concrete surfaces, removal and disposal of existing concrete driveways, saw cutting of existing concrete and/or AC surfacing as required to provide a smooth driveway approach, and other incidental work as required. Measurement of the concrete commercial driveway apron shall be made by measuring the finished in-place area. Protection of driveway from adverse weather conditions and traffic during curing shall be included in the payment for this Bid Item.

A-0121a Transition Behind Concrete Driveway: Payment for the transition behind new concrete driveways on McVay Highway shall be paid for on a Square Yard (SY) basis. The unit price shall include all work and materials required to construct the asphalt transition including sawcutting, excavation, grading, backfill, compaction, ¾-inch minus crushed rock, sand sealing joints and all other work as required and shown on the Drawings. HMAC required for the transition will be paid for under the Bid Item for Hot Mix Asphaltic

Concrete (HMAC) Trench Pavement, 2-Inch Overlay and 2-Inch Inlay, Level 3, 1/2-Inch Dense Pavement Restoration, A-0542.

- A-0126 Asphalt Approach: Payment for asphalt approaches for driveways and side streets associated with work on McVay Highway will be on a per Each (EA) basis. The unit price shall include all work and materials required to construct the asphalt approach including excavation, grading, backfill, compaction and all other work as required. Payment will be payment in full for all extra or additional costs involved in placing asphalt concrete in the asphalt approach. These costs are in addition to those which are included in HMAC incorporated into the approach. HMAC required for asphalt approaches will be paid for under the Bid Item for Hot Mix Asphaltic Concrete (HMAC) Trench Pavement, 2-Inch Overlay and 2-Inch Inlay, Level 3, 1/2-Inch Dense Pavement Restoration, A-0542.
- A-0132 Remove and Replace Existing Standard Concrete Curb and Gutter: Payment for removing and replacing existing standard concrete curb and gutter, including all work, materials, tools, equipment, labor and incidentals necessary to complete the work, including earthwork, sawcutting, existing curb and gutter removal, furnishing and placing aggregate base and placing concrete curb and gutter will be on a per Linear Foot (LF) basis. Measurement shall be made along the face of the installed curb and gutter, from end to end including tapers or depressed lengths at driveways and ramps.
- A-0142 Truncated Domes for Handicap Ramps: Measurement and payment for the truncated domes associated with ADA compliant sidewalk ramps shall be on a per Each (EA) basis. The measurement for truncated domes will be based on each sidewalk ramp requiring truncated dome pads. Payment shall include all work, materials, tools, equipment, labor and incidentals necessary to furnish and install truncated dome pads.
- A-0148 Remove and Replace Existing Concrete Sidewalk: Payment for removing and replacing existing concrete sidewalk, including all work, materials, tools, equipment, labor and incidentals necessary to complete the work, including earthwork, sawcutting, existing concrete sidewalk removal, furnishing and placing aggregate base, and placing concrete sidewalk will be on a per Square Yard (SY) basis. No separate payment will be made for adjustment of valve and meter boxes. Restoration of disturbed area behind the sidewalk with like material is incidental to this Bid Item. Measurement of the concrete sidewalk shall be made by measuring the finished in-place area. Protection of sidewalk from adverse weather conditions and traffic during curing shall be included in the payment for this Bid Item. The area of sidewalk where sidewalk ramps are installed will be measured and paid for under this Bid Item. No separate payment will be made for sloped portions of sidewalk at sidewalk ramps. Concrete driveways are paid for under the Bid Item Reinforced Concrete Commercial Driveway Apron, A-0121.
- A-0197 Saw-Cutting Existing Surfacing – Saw-Cut First 4-Inch Depth: Payment for saw-cutting associated with work on McVay Highway shall include the trench width cuts and t-cuts as shown on the typical pipe trench detail. Payment for saw-cutting existing surfacing, which includes AC and concrete surfaces, for cuts up to 4 inches in depth will be on a per Linear Foot (LF) basis. The t-cut shall be performed just prior to pavement re-surfacing. No additional payment will be made for sawcutting cement treated base.
- A-0197a Saw-Cutting Existing Surfacing - Saw-Cut per Inch Depth Beyond First 4 Inches: Payment for saw-cutting associated with work on McVay Highway shall include the trench width cuts and t-cuts as shown on the typical pipe trench detail. Payment for saw-cutting existing surfacing, which includes AC and concrete surfaces, for cuts 1-inch depth beyond the first 4-inch thickness will be on a per Inch-Linear Foot (IN-LF) basis. The t-cut shall

be performed just prior to pavement re-surfacing. No additional payment will be made for sawcutting cement treated base.

A-0257 Furnish and Install 8-Inch Diameter ASTM D3034 SDR 26 PVC Sewer Pipe: Payment for furnishing and installing 8-inch diameter ASTM D3034 SDR 26 PVC sewer pipe will be on a per Linear Foot (LF) basis and will include: trench excavation, hauling, stockpiling, trench shoring, trench dewatering, existing utility protection, coordination and relocation where necessary, furnishing and installing pipe, bedding material, pipe zone material, trench backfill material, compaction, connecting couplings and fittings where required, tracer wire, testing, handling of sewage during construction as may be required, construction surveying and staking, and all other incidental work and materials. Hot mix asphaltic concrete (HMAC) is paid for under the Bid Item for Hot Mix Asphaltic Concrete (HMAC) Trench Pavement, 2-Inch Overlay and 2-Inch Inlay, Level 3, 1/2-Inch Dense Pavement Restoration, A-0542. General surface restoration, including resurfacing gravel surfaces, is paid for under the Bid Item for General Surface Restoration, A-0069. The Bid Item length will be the horizontal length of new pipe installed as measured from center of manhole to center of manhole.

A-0261 Furnish and Install 18-Inch Diameter ASTM F679 PS115 PVC Sewer Pipe: Payment for furnishing and installing 18-inch Diameter ASTM F679 PS115 PVC sewer pipe will be on a per Linear Foot (LF) basis and will include: trench excavation, hauling, stockpiling, trench shoring, trench dewatering, existing utility protection, coordination and relocation where necessary, furnishing and installing pipe, bedding material, pipe zone material, trench backfill material, compaction, connecting couplings and fittings where required, tracer wire, testing, handling of sewage during construction as may be required, construction surveying and staking, and all other incidental work and materials. Hot mix asphaltic concrete (HMAC) is paid for under the Bid Item for Hot Mix Asphaltic Concrete (HMAC) Trench Pavement, 2-Inch Overlay and 2-Inch Inlay, Level 3, 1/2-Inch Dense Pavement Restoration, A-0542. General surface restoration, including resurfacing gravel surfaces, is paid for under the Bid Item for General Surface Restoration, A-0069. The Bid Item length will be the horizontal length of new pipe installed as measured from center of manhole to center of manhole.

NOTE: BID ITEM A-0261 IS SUBJECT TO MATERIAL PRICE ESCALATION/DE-ESCALATION, SEE PART 2 OF THIS SECTION.

A-0277 Furnish and Install New 48-Inch Diameter Sanitary Sewer Manholes (0 to 10 Feet Deep): Payment for new 48-inch diameter sanitary sewer manholes associated with work on McVay Highway shall be made at the unit price for Each (EA) manhole and will include up to the first ten feet of the structure measured from the final rim elevation down to the lowest pipe invert elevation in the manhole. The unit price shall be full compensation for the manhole in place including excavation and backfill, cover and frame, piping connections, grout channel, and any other work that may be required for a complete manhole structure, as shown on the drawings.

A-0277a Additional Depth of 48-Inch Diameter Manholes Beyond 10 Feet Deep: Payment for additional depth of 48-inch diameter manholes beyond the first ten feet deep associated with work on McVay Highway will be on a per Foot (FT) basis, in place, complete. Measurement shall be from ten feet below the final rim elevation to the lowest pipe invert elevation in the manhole. No additional payment will be made for any portion of the manhole base located below the lowest pipe invert elevation.

A-0278 Furnish and Install New 60-Inch Diameter Sanitary Sewer Manholes (0 to 10 Feet Deep): Payment for new 60-inch diameter sanitary sewer manholes shall be made at the unit

price for Each (EA) manhole and will include up to the first ten feet of the structure measured from the final rim elevation down to the lowest pipe invert elevation in the manhole. The unit price shall be full compensation for the manhole in place including excavation and backfill, cover and frame, piping connections, grout channel, and any other work that may be required for a complete manhole structure, as shown on the drawings.

- A-0278a Additional Depth of 60-Inch Diameter Manholes Beyond 10 Feet Deep: Payment for additional depth of 60-inch diameter manholes beyond the first ten feet deep will be on a per Foot (FT) basis, in place, complete. Measurement shall be from ten feet below the final rim elevation to the lowest pipe invert elevation in the manhole. No additional payment will be made for any portion of the manhole base located below the lowest pipe invert elevation.
- A-0279 Furnish and Install New 72-Inch Diameter Sanitary Sewer Manholes (0 to 10 Feet Deep): Payment for new 72-inch diameter sanitary sewer manholes shall be made at the unit price for Each (EA) manhole and will include up to the first ten feet of the structure measured from the final rim elevation down to the lowest pipe invert elevation in the manhole. The unit price shall be full compensation for the manhole in place including excavation and backfill, cover and frame, piping connections, grout channel, and any other work that may be required for a complete manhole structure, as shown on the drawings.
- A-0279a Additional Depth of 72-Inch Diameter Manholes Beyond 10 Feet Deep: Payment for additional depth of 72-inch diameter manholes beyond the first ten feet deep will be on a per Foot (FT) basis, in place, complete. Measurement shall be from ten feet below the final rim elevation to the lowest pipe invert elevation in the manhole. No additional payment will be made for any portion of the manhole base located below the lowest pipe invert elevation.
- A-0279b Furnish and Install Outside Drop Structure at Manholes: Payment for outside drop structures at manholes will be made on a per Each (EA) basis, regardless of size. The unit price shall include all costs for additional excavation, backfill, pipe and fittings, concrete, controlled density fill (CDF), and all other work required for a complete outside drop structure.
- A-0360 Manhole Frame and Cover Adjustment (New and Existing): Payment for manhole frame and cover adjustments associated with work on McVay Highway will be on a per Each (EA) basis, complete, for all new and existing manholes where new asphalt concrete (AC) pavement is placed. The unit price for each manhole frame adjustment shall be full compensation for the final adjusted manhole frame in place including saw cutting and removing asphalt, furnishing and placing rebar, furnishing and placing concrete, and all other work, as shown on the drawings.
- A-0542 Hot Mix Asphaltic Concrete (HMAC) Trench Pavement, 2-Inch Overlay and 2-Inch Inlay, Level 3, 1/2-Inch Dense Pavement Restoration: Payment for Level 3 HMAC Asphalt Concrete trench pavement, 2-inch overlay and 2-inch inlay associated with work on McVay Highway will be on a per Ton (TON) basis. Furnishing and installing temporary paving or its maintenance during construction is considered to be incidental work and no additional payment will be made. Saw cutting shall be paid for under the Bid Item for Saw-Cutting Existing Surfacing – Saw-Cut First 4-Inch Depth, Bid Item A-0197. All other work incidental to existing surfacing replacement shall be included in bid price stated. Payment for this item shall be understood to be full compensation for all work and materials, furnishing and placing tack coat, adjusting permanent castings to proposed

grade, hauling, placing HMAC, sand sealing at joints with polymerized seal, screeding, and compacting the HMAC pavement to the depths and locations as shown on the Drawings. No additional payment will be made for the addition of anti-stripping additives required to attain minimum mix performance and no deduction will be made for the addition of lime to the mixture. Measurements will be based on field measurements and verified by certified weight tickets furnished for each delivery with scales and certification procedures approved by the ENGINEER.

NOTE: BID ITEM A-0542 IS SUBJECT TO MATERIAL PRICE ESCALATION/DE-ESCALATION, SEE PART 2 OF THIS SECTION.

- A-0587 Hand Railing: Payment for furnishing and installing hand railing, to include all labor, materials, equipment, and incidental work performed for fabrication, installation and coating of the railing, shall be measured and paid for on a Linear Foot (LF) basis.
  
- A-0617 Permanent Pavement Striping and Marking: Measurement and payment for the replacement of existing permanent pavement striping, markers and symbols that become removed, damaged, or otherwise impacted by construction associated with work on McVay Highway shall be paid for on a Lump Sum (LS) basis, complete. Restoration of permanent pavement striping and marking shall include the removal of existing damaged markings where required, furnishing and installing new thermoplastic markings and symbols and mono or bi-directional pavement markers, and all other incidental work that may be required to completely restore the existing pavement striping markers and symbols to match the existing patterns in accordance with the latest version of the Manual on Uniform Traffic Control Devices (MUTCD) and the requirements of the City of Springfield and Lane County.
  
- A-0861 Control Density Fill (CDF) Trench Backfill: Payment for furnishing and placing control density fill (CDF) trench backfill will be made on a per Cubic Yard (CY) basis where shown on the plans or as approved and directed by the ENGINEER. Payment will be in addition to the linear foot bid price paid for the various pipe installation Bid Items with crushed rock backfill. Payment will be made for the actual quantity of CDF installed as measured in the field and verified with truck delivery receipts.

**Schedule B – Springfield Utility Board Waterline and Electrical Facilities**

Item No.	Description
B-0007	<u>Flushing/Testing/Chlorination</u> : Measurement and payment for flushing/testing/chlorination shall be paid for on a Lump Sum (LS) basis, complete. Payment for flushing/testing/chlorination shall constitute full compensation for all labor, equipment, water, chemicals, dechlorination methods, and any incidental expenses necessary to prepare the water line for use.
B-0073	<u>Trench Foundation Over Excavation and Subgrade Stabilization</u> : Payment for over excavation and subgrade stabilization for unsuitable trench foundation conditions associated with work on McVay Highway will only be considered as approved by the ENGINEER, but when such pre-approval is obtained, payment will be made on a per Cubic Yard (CY) basis according to the volume of material excavated, measured by neat line at the location of the excavation, to the nearest 0.1 cubic yard. Price provided by the CONTRACTOR shall include the price for excavating beyond the normal Bid Item limits to the limits pre-approved by the ENGINEER, disposal of excavated material, furnishing and installing subgrade geotextile fabric, furnishing, placing and compacting crushed rock stabilization material in the excavated void.

- B-0076 Trench Rock Excavation: Payment for trench rock excavation associated with work on McVay Highway will be made at the unit price per Cubic Yard (CY) of rock excavated and rock excavation will be paid for in addition to the lineal foot price for pipe, trench excavation and backfill. The Bid Item limits for pipe trench shall be 12 inches below the pipe invert and the width shall be the nominal pipe diameter plus 1 foot on each side of the pipe. Bid Item limits for manholes and other structures shall be to the depth necessary to install the structure and to a maximum of 18 inches beyond the outside walls of the manhole or structure. No payment will be made for trench rock excavation beyond these limits. Payment for the removal of cement treated base (CTB), when classified as rock as defined in Special Provisions, Section I - Earthwork, will be made at the unit price per Cubic Yard (CY) and have the Bid Item limits described for trench rock excavation.
- B-0197 Saw-Cutting Existing Surfacing – Saw-Cut First 4-Inch Depth: Payment for saw-cutting associated with work on McVay Highway shall include the trench width cuts and t-cuts as shown on the typical pipe trench detail. Payment for saw-cutting existing surfacing, which includes AC and concrete surfaces, for cuts up to 4 inches in depth will be on a per Linear Foot (LF) basis. The t-cut shall be performed just prior to pavement re-surfacing. No additional payment will be made for sawcutting cement treated base.
- B-0197a Saw-Cutting Existing Surfacing - Saw-Cut per Inch Depth Beyond First 4 Inches: Payment for saw-cutting associated with work on McVay Highway shall include the trench width cuts and t-cuts as shown on the typical pipe trench detail. Payment for saw-cutting existing surfacing, which includes AC and concrete surfaces, for cuts 1-inch depth beyond the first 4-inch thickness will be on a per Inch-Linear Foot (IN-LF) basis. The t-cut shall be performed just prior to pavement re-surfacing. No additional payment will be made for sawcutting cement treated base.
- B-0254 Furnish and Install 2-Inch and 4-Inch Conduit (Own Trench): Payment for furnishing and installing 2-inch and 4-inch conduit in their own trench shall be made at the unit contract price per Linear Foot (LF) for each conduit listed on the Plans as actually installed. The measure for payment will be the field measured centerline length of the conduit in place within the limits shown on the Plans. Payment for conduit installation shall constitute full compensation for all labor, equipment, clearing the construction area, trench excavation (except rock excavation), bedding, and back-fill operations, conduit, sweeps, caps, solvent weld, mule tape, and any incidental expenses necessary to prepare the constructed conduit for use.
- B-0254a Furnish and Install 2-Inch Conduit (Joint Trench With Water Line): Furnishing 2-inch conduit in a joint trench with the water line shall be made at the unit contract price per Linear Foot (LF) for the various types and sizes of conduit listed on the Plans as actually installed. The measure for payment will be the field measured centerline length of the conduit in place within the limits shown. Payment for conduit installation shall constitute full compensation for all labor, equipment, sweeps, and any incidental expenses necessary to prepare the constructed conduit for use. Excavation (except rock excavation), bedding, and back-fill operations of 2-inch joint trench conduit shall be considered incidental to the Bid Item for Furnish and Install 24-inch Ductile Iron Pipe, B-0707a.
- B-0254b Furnish and Install 4-Inch Conduit (Joint Trench With Water Line): Furnishing 4-inch conduit in a joint trench with the water line shall be made at the unit contract price per Linear Foot (LF) for the various types and sizes of conduit actually installed. The measure for payment will be the field measured centerline length of the conduit in place

within the limits shown. Payment for conduit installation shall constitute full compensation for all labor, equipment, sweeps, caps, solvent weld, mule tape, and any incidental expenses necessary to prepare the constructed conduit for use. Excavation (except rock excavation), bedding, and back-fill operations of 4-inch joint trench conduit shall be considered incidental to the Bid Item for Furnish and Install 24-inch Ductile Iron Pipe, B-0707a.

- B-0255 Furnish and Install UPRR Crossing (Electric): Measurement and payment for furnishing and installing UPRR crossing (Electric) shall be paid for on a Lump Sum (LS) basis. Measurement of the UPRR crossing shall be limited to the UPRR right-of-way. Payment for UPRR crossing installation shall constitute full compensation for all labor, equipment, clearing the construction area, trench excavation (except rock excavation), bedding, back-fill operations, bore spacers, 24-inch steel casing, anodes, thermally conductive grout/slurry, 2-inch conduit, 4-inch conduit, mule tape, and any incidental expenses necessary to prepare the constructed casing and its contents for use.
- B-0706 Furnish and Install UPRR Crossing (Water): Measurement and payment for furnishing and installing UPRR crossing (Water) shall be paid for on a Lump Sum (LS) basis, complete. Measurement of the UPRR crossing shall be limited to the UPRR right-of-way. Payment for UPRR crossing installation shall constitute full compensation for all labor, equipment, clearing the construction area, trench excavation (except rock excavation), bedding, back-fill operations, casing spacers, 42-inch steel casing, 24-inch restrained ductile iron pipe, anodes, end seals, 2-inch conduit, mule tape, and any incidental expenses necessary to prepare the constructed casing and its contents for use.
- B-0707 Furnish and Install 16-Inch Ductile Iron Pipe: Payment for furnishing and installing 16-inch ductile iron pipe shall be made per Linear Foot (LF) as actually installed. The measure for payment will be the field measured centerline length of the pipe in place within the limits shown on the Plans. Payment for pipe installation shall constitute full compensation for all labor, equipment, clearing the construction area, trench excavation (except rock excavation), bedding, and back-fill operations, thrust restraint devices, and any incidental expenses necessary to prepare the constructed water line for use and connection to the existing water distribution system.
- B-0707a Furnish and Install 24-Inch Ductile Iron Pipe: Payment for furnishing and installing 24-inch ductile iron pipe shall be made per Linear Foot (LF) as actually installed. The measure for payment will be the field measured centerline length of the pipe in place within the limits shown on the Plans. Payment for pipe installation shall constitute full compensation for all labor, equipment, clearing the construction area, trench excavation (except rock excavation), bedding, and back-fill operations, thrust restraint devices, and any incidental expenses necessary to prepare the constructed water line for use and connection to the existing water distribution system.
- B-0708 Furnish and Install 16-Inch Butterfly Valve: Payment for furnishing and installing 16-inch Butterfly valves shall be made at the unit price for Each (EA) valve. The unit price shall be full compensation for the valve, complete including: excavation (except rock excavation), back-fill, mechanical joint restraints, flange kits, valve box, valve lid, valve insert, valve riser, and any other incidental expenses necessary to complete the installation.
- B-0708a Furnish and Install 24-Inch Butterfly Valve: Payment for furnishing and installing 24-inch Butterfly valves shall be made at the unit price for Each (EA) valve. The unit price shall be full compensation for the valve, complete including: excavation (except rock excavation), back-fill, mechanical joint restraints, flange kits, valve box, valve lid, valve

insert, valve riser, and any other incidental expenses necessary to complete the installation.

- B-0709 Furnish and Install 16-Inch Ductile Iron Bends: Payment for furnishing and installing 16-inch ductal iron bends shall be made at the unit price for Each (EA) fitting. The unit price shall be full compensation for the fitting, complete including: labor, equipment, clearing the construction area, trench excavation (except rock excavation), bedding, back-fill operations, mechanical restraint devices, and any other incidental expenses necessary to complete the installation.
- B-0709a Furnish and Install 24-Inch Ductile Iron Bends: Payment for furnishing and installing 24-inch ductile iron bends shall be made at the unit price for Each (EA) fitting. The unit price shall be full compensation for the fitting, complete including: labor, equipment, clearing the construction area, trench excavation (except rock excavation), bedding, back-fill operations, mechanical restraint devices, and any other incidental expenses necessary to complete the installation.
- B-0710 Furnish and Install/Removal of 1-Inch Temporary Chlorination Point: Payment for furnishing and install/removal of a 1-inch temporary chlorination point shall be made at the unit price for Each (EA) point. The unit price shall be full compensation for the point, complete including: clearing the construction area, excavation (except rock excavation), back-fill operations, 1-inch corporation stop, 1-inch angle meter valve, 1-inch poly pipe, 1-inch pipe stiffeners, and 1-inch "CC" plug. Any additional appurtenances required to provide a fully functional chlorination access point to the new waterline for the purposes of chlorinating/testing the waterline shall be considered incidental.
- B-0711 Furnish and Install 24-Inch x 2-Inch Plug: Payment for furnishing and installing 24-inch x 2-inch plug shall be made at the unit price for Each (EA) plug. The unit price shall be full compensation for the fitting, complete including: excavation (except rock excavation), back-fill operations, mechanical joint restraint devices, 2-inch brass plug, and any other incidental expenses necessary to complete the installation.
- B-0712 Furnish and Install 16-Inch x 2-Inch Cap: Payment for furnishing and installing 16-inch x 2-inch cap shall be made at the unit price for Each (EA) cap. The unit price shall be full compensation for the fitting, complete including: excavation (except rock excavation), back-fill operations, mechanical joint restraint devices, 2-inch brass plug, and any other incidental expenses necessary to complete the installation.
- B-0713 Furnish and Install 6-Inch Flush Point: Payment for furnishing and installing a 6-inch flush point shall be made at the unit price for Each (EA) flush point. The unit price shall be full compensation for the flush point, in place, including excavation (except rock excavation), back-fill operations, 6-inch ductile iron pipe, 6-inch gate valve, 6-inch flange kits, tees, 6-inch 90 degree bends, mechanical thrust restraint devices, 6-inch spool piece, storz adapter, storz cap, locate wire, 2-inch meter box, and any other incidental expenses necessary to complete the installation.
- B-0714 Furnish and Install 24-Inch x 16-Inch Tee: Payment for furnishing and installing 24-inch x 16-inch tee shall be made at the unit price for Each (EA) tee. Payment for tee installations shall constitute full compensation for all labor, equipment, clearing the construction area, trench excavation (except rock excavation), bedding, back-fill operations, mechanical restraint devices, flange kits, and any other incidental expenses necessary to complete the installation.

B-0861 Control Density Fill (CDF) Trench Backfill: Payment for furnishing and placing control density fill (CDF) trench backfill will be made on a per Cubic Yard (CY) basis where shown on the plans or as approved and directed by the ENGINEER. Payment will be in addition to the linear foot bid price paid for the various pipe installation Bid Items with crushed rock backfill. Payment will be made for the actual quantity of CDF installed as measured in the field and verified with truck delivery receipts.

**Schedule C - Additive Alternate – Work associated with the new sewer main on East 19<sup>th</sup> Ave., Station A0+00 to A9+33 and the modifications to the Nugget Way pump station and forcemain are included as an Additive Alternate.**

<u>Item No.</u>	<u>Description</u>
C-0006	<u>Internal Sewer Video Inspection:</u> Payment for internal sewer video inspection associated with work on E. 19 <sup>th</sup> Avenue, including all equipment, inspection reports and the DVD of the inspection, will be on a Lump Sum (LS) basis.
C-0058	<u>Contaminated Soil Excavation and Disposal:</u> Measurement and payment for the excavation and disposal of contaminated soil associated with work on E. 19 <sup>th</sup> Avenue will be made on a per Cubic Yard (CY) basis. Payment shall include all labor, equipment and material, excavation, stockpiling, pretreatment, transportation, disposal, notifications, fees, permits and CONTRACTOR standby time. This item covers payment for soil that is contaminated by petroleum based contaminants only that can be disposed of at a municipal solid waste facility permitted to accept such material. Material that is contaminated with other contaminants requiring disposal in a separate special waste facility, based on sampling and testing, is not covered in this Bid Item and will be covered by a negotiated change order to the contract.
C-0058a	<u>Contaminated Groundwater Mitigation:</u> Measurement and payment for the pre-treatment and/or removal and disposal of contaminated groundwater associated with work on E. 19 <sup>th</sup> Avenue will be made on a per Gallon (GAL) basis. Payment shall include all labor, equipment and material required for dewatering, storage, pretreatment, transportation, disposal, notifications, reporting, fees, permits and CONTRACTOR standby time. This item covers payment for groundwater that is contaminated by petroleum based contaminants only that can be treated and discharged to the sanitary sewer system or disposed of at a municipal solid waste facility permitted to accept such material. Material that is contaminated with other contaminants requiring disposal in a separate special waste facility, based on sampling and testing, is not covered in this Bid Item and will be covered by a negotiated change order to the contract.
C-0064	<u>Erosion Control:</u> Measurement and payment for temporary construction site erosion and sedimentation control measures associated with work on E. 19 <sup>th</sup> Avenue shall be on a Lump Sum (LS) basis. The Lump Sum (LS) price shall include compensation for all planning, design, labor, equipment and materials for construction site erosion and sedimentation control measures all in accordance with current requirements and regulations of the City of Springfield, Lane County, the Department of Environmental Quality, and any other government agencies with jurisdiction over the project and in accordance with the City of Springfield’s NPDES 1200-CA Permit.
C-0061	<u>Temporary Traffic Control:</u> Payment for traffic control, maintenance and protection associated with work on E. 19 <sup>th</sup> Avenue including all coordination, materials, business access signs, project information signs, removing and replacing existing signs where required including replacing sign support posts, traffic control devices, labor and equipment, temporary pavement markings and striping, portable changeable message

signs, flagging and all other temporary traffic control, as required, will be on a Lump Sum (LS) basis.

- C-0069 General Surface Restoration: Payment for all required general surface restoration, other than streets, sidewalks and curbs, including stripping and stockpiling topsoil, re-grading to original elevation, bark mulching planting areas, repairing landscaped areas, seeding and cleanup following construction associated with work on E. 19<sup>th</sup> Avenue including resurfacing gravel surfaces as required, will be on a Lump Sum (LS) basis.
- C-0072a Cold Plane Pavement Removal – 0-Inch to 2-Inch Depth: Payment for taper grind area required at the transition between grind and inlay and overlay at the intersection of E. 19<sup>th</sup> Avenue and Nugget Way and at asphalt approaches will be on a per Square Yard (SY) basis. Measurement shall be of the total area ground, calculated by the ENGINEER using field measurements. Disposal of existing AC surfacing shall be considered incidental to this item. Temporary removal and reinstallation of castings shall be considered incidental to this Bid Item.
- C-0073 Trench Foundation Over Excavation and Subgrade Stabilization: Payment for over excavation and subgrade stabilization for unsuitable trench foundation conditions associated with work on E. 19<sup>th</sup> Avenue will only be considered as approved by the ENGINEER, but when such pre-approval is obtained, payment will be made on a per Cubic Yard (CY) basis according to the volume of material excavated, measured by neat line at the location of the excavation, to the nearest 0.1 cubic yard. Price provided by the CONTRACTOR shall include the price for excavating beyond the normal Bid Item limits to the limits pre-approved by the ENGINEER, disposal of excavated material, furnishing and installing subgrade geotextile fabric, furnishing, placing and compacting crushed rock stabilization material in the excavated void.
- C-0076 Trench Rock Excavation: Payment for trench rock excavation associated with work on E. 19<sup>th</sup> Avenue will be made at the unit price per Cubic Yard (CY) of rock excavated and rock excavation will be paid for in addition to the lineal foot price for pipe, trench excavation and backfill. The Bid Item limits for pipe trench shall be 12 inches below the pipe invert and the width shall be the nominal pipe diameter plus 1 foot on each side of the pipe. Bid Item limits for manholes and other structures shall be to the depth necessary to install the structure and to a maximum of 18 inches beyond the outside walls of the manhole or structure. No payment will be made for trench rock excavation beyond these limits. Payment for the removal of cement treated base (CTB), when classified as rock as defined in Special Provisions, Section I - Earthwork, will be made at the unit price per Cubic Yard (CY) and have the Bid Item limits described for trench rock excavation.
- C-0126 Asphalt Approach: Payment for asphalt approaches for driveways and side streets associated with work on E. 19<sup>th</sup> Avenue will be on a per Each (EA) basis. The unit price shall include all work and materials required to construct the asphalt approach including excavation, grading, backfill, compaction and all other work as required. Payment will be payment in full for all extra or additional costs involved in placing asphalt concrete in the asphalt approach. These costs are in addition to those which are included in HMAC incorporated into the approach. HMAC required for asphalt approaches will be paid for under the Bid Item for Hot Mix Asphaltic Concrete (HMAC) Trench Pavement, 2-Inch Overlay, Level 3, 1/2-Inch Dense Pavement Restoration, C-0542.
- C-0197 Saw-Cutting Existing Surfacing – Saw-Cut First 4-Inch Depth: Payment for saw-cutting associated with work on E. 19<sup>th</sup> Avenue shall include the trench width cuts and t-cuts as shown on the typical pipe trench detail. Payment for saw-cutting existing surfacing,

which includes AC and concrete surfaces, for cuts up to 4 inches in depth will be on a per Linear Foot (LF) basis. The t-cut shall be performed just prior to pavement re-surfacing. No additional payment will be made for sawcutting cement treated base.

- C-0197a Saw-Cutting Existing Surfacing - Saw-Cut per Inch Depth Beyond First 4 Inches: Payment for saw-cutting associated with work on E. 19<sup>th</sup> Avenue shall include the trench width cuts and t-cuts as shown on the typical pipe trench detail. Payment for saw-cutting existing surfacing, which includes AC and concrete surfaces, for cuts 1-inch depth beyond the first 4-inch thickness will be on a per Inch-Linear Foot (IN-LF) basis. The t-cut shall be performed just prior to pavement re-surfacing. No additional payment will be made for sawcutting cement treated base.
- C-0251 Modifications to Nugget Way Pump Station and Force Main: Payment for this item shall be on a Lump Sum (LS) basis and shall include all particular elements for the improvements to the Nugget Way Pump Station, whether or not specifically or specially identified, as specified herein, in the contract documents and as shown on the plans and shall include, but shall not be limited to the following: pumps and pump appurtenances, pump station piping, force main piping and fittings, electrical modifications, modifications to the wet well, bypass pumping, site restoration, connections to the force main discharge manhole and all work inside the force main discharge manhole required to make the force main connections to the manhole. Payment shall be full and complete compensation for all work shown in the drawings and other work required to provide complete and usable facilities including materials, equipment, and labor for construction not included in other Bid Items. Payment shall also include the furnishing of all required record drawings, operation and maintenance manuals, and other documents, certifications and reporting specified herein.
- C-0256 Furnish and Install 6-Inch Diameter ASTM D3034 SDR 35 PVC Sewer Laterals: Payment for furnishing and installing 6-Inch Diameter ASTM D3034 SDR 35 PVC Sewer Laterals will be on a per Linear Foot (LF) basis and will include: trench excavation, hauling, stockpiling, trench shoring, trench dewatering, existing utility protection, coordination and relocation where necessary, furnishing and installing pipe, bedding material, pipe zone material, trench backfill material, compaction, connecting couplings and fittings where required, tracer wire, testing, handling of sewage during construction as may be required, construction surveying and staking, and all other incidental work and materials. Hot mix asphaltic concrete (HMAC) is paid for under the Bid Item for Hot Mix Asphaltic Concrete (HMAC) Trench Pavement, 2-Inch Overlay and 2-Inch Inlay, Level 3, 1/2-Inch Dense Pavement Restoration, C-0542. General surface restoration, including resurfacing gravel surfaces, is paid for under the Bid Item for General Surface Restoration, C-0069. The Bid Item length will be the horizontal length of new pipe installed as measured from center of manhole to center of manhole.
- C-0259 Furnish and Install 12-Inch Diameter ASTM D3034 SDR 26 PVC Sewer Pipe: Payment for furnishing and installing 12-Inch Diameter ASTM D3034 SDR 26 PVC Sewer Pipe will be on a per Linear Foot (LF) basis and will include: trench excavation, hauling, stockpiling, trench shoring, trench dewatering, existing utility protection, coordination and relocation where necessary, furnishing and installing pipe, bedding material, pipe zone material, trench backfill material, compaction, connecting couplings and fittings where required, tracer wire, testing, handling of sewage during construction as may be required, construction surveying and staking, and all other incidental work and materials. Hot mix asphaltic concrete (HMAC) is paid for under the Bid Item for Hot Mix Asphaltic Concrete (HMAC) Trench Pavement, 2-Inch Overlay and 2-Inch Inlay, Level 3, 1/2-Inch Dense Pavement Restoration, C-0542. General surface restoration, including resurfacing gravel surfaces, is paid for under the Bid Item for General Surface Restoration, C-0069. The

Bid Item length will be the horizontal length of new pipe installed as measured from center of manhole to center of manhole.

NOTE: BID ITEM C-0259 IS SUBJECT TO MATERIAL PRICE ESCALATION/DE-ESCALATION, SEE PART 2 OF THIS SECTION.

- C-0277 Furnish and Install New 48-Inch Diameter Sanitary Sewer Manholes (0 to 10 Feet Deep): Payment for new 48-inch diameter sanitary sewer manholes associated with work on E. 19<sup>th</sup> Avenue shall be made at the unit price for Each (EA) manhole and will include up to the first ten feet of the structure measured from the final rim elevation down to the lowest pipe invert elevation in the manhole. The unit price shall be full compensation for the manhole in place including excavation and backfill, cover and frame, piping connections, grout channel, and any other work that may be required for a complete manhole structure, as shown on the drawings.
- C-0277a Additional Depth of 48-Inch Diameter Manholes Beyond 10 Feet Deep: Payment for additional depth of 48-inch diameter manholes beyond the first ten feet deep associated with work on E. 19<sup>th</sup> Avenue will be on a per Foot (FT) basis, in place, complete. Measurement shall be from ten feet below the final rim elevation to the lowest pipe invert elevation in the manhole. No additional payment will be made for any portion of the manhole base located below the lowest pipe invert elevation.
- C-0278 Furnish and Install New 60-Inch Diameter Sanitary Sewer Manholes (0 to 10 Feet Deep): Payment for new 60-inch diameter sanitary sewer manholes shall be made at the unit price for Each (EA) manhole and will include up to the first ten feet of the structure measured from the final rim elevation down to the lowest pipe invert elevation in the manhole. The unit price shall be full compensation for the manhole in place including excavation and backfill, cover and frame, piping connections, grout channel, and any other work that may be required for a complete manhole structure, as shown on the drawings.
- C-0360 Manhole Frame and Cover Adjustment (New and Existing): Payment for manhole frame and cover adjustments associated with work on E. 19<sup>th</sup> Avenue will be on a per Each (EA) basis, complete, for all new and existing manholes where new asphalt concrete (AC) pavement is placed. The unit price for each manhole frame adjustment shall be full compensation for the final adjusted manhole frame in place including saw cutting and removing asphalt, furnishing and placing rebar, furnishing and placing concrete, and all other work.
- C-0457 6-Inch x 12-Inch x 12-Inch ASTM D3034 Tee: Payment for furnishing and installing 6-inch x 12-inch x 12-inch Tee shall be made at the unit price for Each (EA) tee. Payment for tee installations shall constitute full compensation for all labor, equipment, clearing the construction area, trench excavation (except rock excavation), bedding, back-fill operations and any other incidental expenses necessary to complete the installation.
- C-0542 Hot Mix Asphaltic Concrete (HMAC) Trench Pavement, 2-Inch Overlay, Level 3, 1/2-Inch Dense Pavement Restoration: Payment for Level 3 HMAC Asphalt Concrete trench pavement, 2-inch overlay associated with work on E. 19<sup>th</sup> Avenue will be on a per Ton (TON) basis. Furnishing and installing temporary paving or its maintenance during construction is considered to be incidental work and no additional payment will be made. Saw cutting shall be paid for under the Bid Item for Saw-Cutting Existing Surfacing – Saw-Cut First 4-Inch Depth, Bid Item C-0197. All other work incidental to existing surfacing replacement shall be included in bid price stated. Payment for this item shall be understood to be full compensation for all work and materials, furnishing and placing

tack coat, adjusting permanent castings to proposed grade, hauling, placing HMAC, sand sealing at joints with polymerized seal, screeding, and compacting the HMAC pavement to the depths and locations as shown on the Drawings. No additional payment will be made for the addition of anti-stripping additives required to attain minimum mix performance and no deduction will be made for the addition of lime to the mixture. Measurements will be based on field measurements and verified by certified weight tickets furnished for each delivery with scales and certification procedures approved by the ENGINEER.

NOTE: BID ITEM C-0542 IS SUBJECT TO MATERIAL PRICE ESCALATION/DE-ESCALATION, SEE PART 2 OF THIS SECTION.

- C-0617 Permanent Pavement Striping and Marking: Measurement and payment for the replacement of existing permanent pavement striping, markers and symbols that become removed, damaged, or otherwise impacted by construction associated with work on E. 19<sup>th</sup> Avenue shall be paid for on a Lump Sum (LS) basis, complete. Restoration of permanent pavement striping and marking shall include the removal of existing damaged markings where required, furnishing and installing new thermoplastic markings and symbols and mono or bi-directional pavement markers, and all other incidental work that may be required to completely restore the existing pavement striping markers and symbols to match the existing patterns in accordance with the latest version of the Manual on Uniform Traffic Control Devices (MUTCD) and the requirements of the City of Springfield and Lane County.

## PART 2 MATERIAL PRICE ESCALATION/DE-ESCALATION

Certain Bid Items in this project will be subject to the requirements of material price escalation/de-escalation.

### 2.1 Asphalt Cement Material Price Escalation/De-escalation

An asphalt cement escalation/de-escalation clause will be in effect during the life of the Contract.

- A. **Monthly Asphalt Cement Material Price (MACMP)**  
The Monthly Asphalt Cement Material Price (MACMP) will be established by the Oregon Department of Transportation (ODOT) each month. For information regarding the calculation of the MACMP, and for the actual MACMP, go to the ODOT website at:

[http://www.oregon.gov/ODOT/HWY/ESTIMATING/Pages/asphalt\\_fuel.aspx](http://www.oregon.gov/ODOT/HWY/ESTIMATING/Pages/asphalt_fuel.aspx)

If the ODOT selected index ceases to be available for any reason, the ENGINEER in its discretion will select and begin using a substitute price source or index to establish the MACMP each month. The MACMP will apply to all asphalt cement including but not limited to paving grade, polymer modified, and emulsified asphalts, and recycling agents. There is no guarantee that asphalt cement will be available at the MACMP.

- B. **Base Asphalt Cement Material Price (Base)**

The Base asphalt cement material price for this project is the MACMP published on the ODOT website for the month immediately preceding the bid opening date.

- C. **Monthly Asphalt Cement Adjustment Factor**

The Monthly Asphalt Cement Adjustment Factor will be determined each month as follows:

- If the MACMP is within  $\pm 5\%$  of the Base, there will be no adjustment.
- If the MACMP is more than 105% of the Base, then:

$$\text{Adjustment Factor} = (\text{MACMP}) - (1.05 \times \text{Base})$$

- If the MACMP is less than 95% of the Base, then:

$$\text{Adjustment Factor} = (\text{MACMP}) - (0.95 \times \text{Base})$$

D. Asphalt Cement Price Adjustment

A price adjustment will be made for the items containing asphalt cement listed below. The price adjustment as calculated in Paragraph C above will use the MACMP for the month the asphalt is incorporated into the project. The price adjustment will be determined by multiplying the amount of asphalt incorporated into the subject Bid Items during the month by the Adjustment Factor.

The Bid Items for which price adjustments will be made are:

**BID ITEM DESCRIPTION**

A-0542	<u>Hot Mix Asphaltic Concrete (HMAC) Trench Pavement, 2-Inch Overlay and 2-Inch Inlay, Level 3, 1/2-Inch Dense Pavement Restoration</u>
C-0542	<u>Hot Mix Asphaltic Concrete (HMAC) Trench Pavement, 2-Inch Overlay, Level 3, 1/2-Inch Dense Pavement Restoration</u>

2.2 PVC Material Price Escalation/De-Escalation Clause

A PVC escalation/de-escalation clause will be in effect during the life of the Contract.

- A. Monthly PVC Materials Value (MV) and Base PVC Materials Value (BV)  
The Monthly PVC Materials Value (MV) will be established by McGraw-Hill Engineering News Record (ENR) from the monthly published price for 8-inch diameter PVC sewer pipe for Seattle, Washington.

The Base PVC Materials Value (BV) for this Project will be the MV published in the June 2014 ENR magazine. The MV and BV will be available at the ENR website at:

<http://enr.construction.com/>

If the selected index ceases to be available for any reason, the ENGINEER in its discretion will select and begin using a substitute price source or index to establish the MV each month. The ENGINEER makes no guarantee that PVC material will be available at any stated or implied materials price.

- B. Monthly PVC Materials Price Adjustment

A PVC price adjustment evaluation will be made for the PVC pipe. No adjustments will be made using the BV or MV until such time as they are listed as final values by ENR. The price adjustment as calculated in this provision for the PVC pipe will use the MV for the

month that the pipe is ordered from the pipe manufacturer/supplier, thus establishing a price for the pipe. The CONTRACTOR shall submit copies of invoices from the pipe manufacturer/supplier that shows the date the materials were ordered, the quantities of pipe materials and the price of the pipe. A price adjustment for the PVC pipe will be considered as per the above. A price adjustment for the PVC Bid Items will only be made if the MV for the month that the pipe is purchased differs by more than 5% from the BV. A PVC materials price adjustment will be made for the PVC pipe Bid Items identified below only.

The Monthly PVC Materials Price Adjustment will be determined as follows:

- If the MV is within 5% ± of the BV, there will be no adjustment.
- If the MV is more than 105% of the BV, then:

$$PA = (((MV-BV) \div BV) - 0.05) \times ((BV \div MV) \times (PIP))$$

- If the MV is less than 95% of the BV, then:

$$PA = (((MV-BV) \div BV) + 0.05) \times ((BV \div MV) \times (PIP))$$

Where:

PA = Price Adjustment, dollars

MV = Monthly PVC Materials Value from ENR for 8-inch diameter PVC sewer pipe for Seattle, Washington for the month determined above

BV = Base PVC Materials Value from ENR for 8-inch diameter PVC sewer pipe for Seattle, Washington from month of the bid opening

PIP = Amount paid for PVC pipe material only, based on invoices provided by the CONTRACTOR, for the month for which the adjustment is made

C. PVC Materials Bid Items

A PVC material price adjustment for fluctuations in the cost of PVC will apply only to the major PVC usage Bid Items shown in the following list:

**BID ITEM DESCRIPTION**

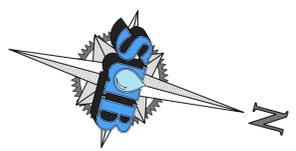
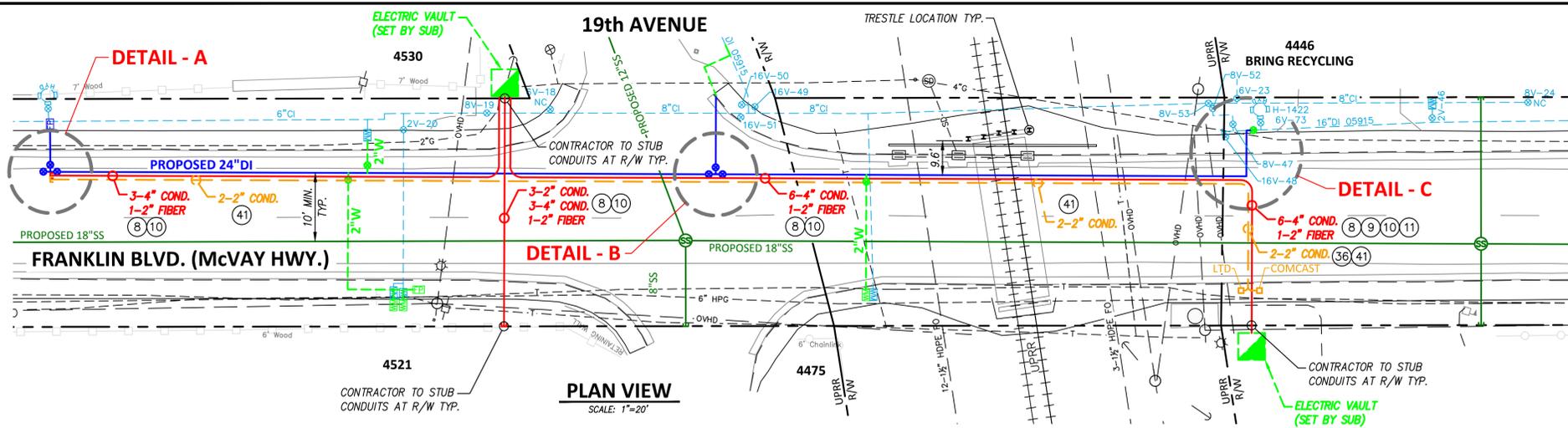
A-0261 Furnish and Install 18-Inch Diameter ASTM F679 PS115 PVC Sewer Pipe

C-0259 Furnish and Install 12-Inch Diameter ASTM D3034 SDR 26 PVC Sewer Pipe

- D. Regardless of the number of Bid Items listed, the PVC price escalation/de-escalation clause (and program) contained in this Section are included in this Contract and are the only PVC price escalation/de-escalation clause (and program) that apply to this Contract.

END OF SECTION

S:\Engineering\Projects\2013\13947 - McVay Hwy. Transmission\13947 - UPRR Crossing.dwg 22x34 - Contractor work 5/27/2014 11:58 AM LADD 19.0s (LMS Tech)



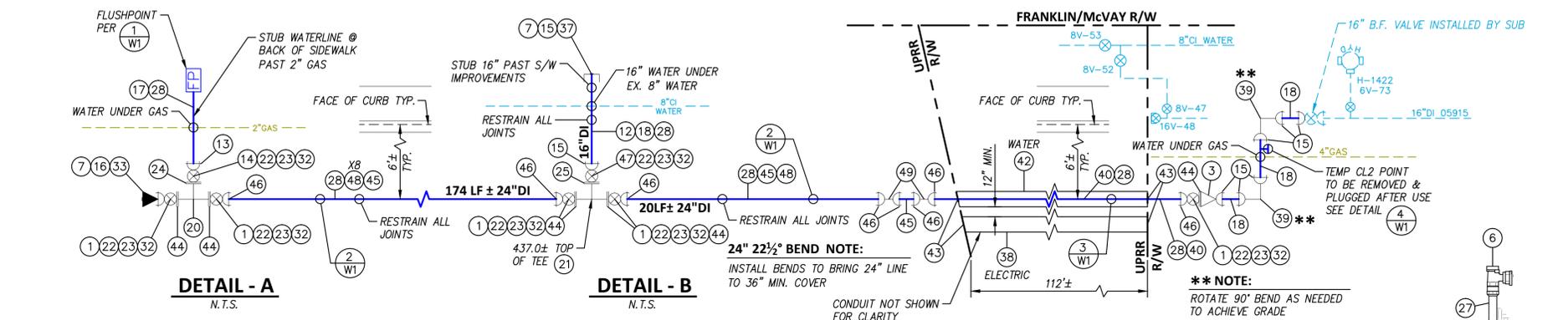
**NOTE:**  
CONTRACTOR MATERIAL LIST IS PROVIDED FOR CONVENIENCE. PAYMENT FOR WORK COMPLETED WILL BE AS SHOWN IN SPECIALS SECTION C, MEASUREMENT AND PAYMENT.

**CONTRACTOR MATERIAL LIST**

No.	QUANTITY	PART
1	5	24" BUTTERFLY VALVE - MJ x FL
2	1	6" 90° BEND - MJ
3	1	24" x 16" REDUCER - MJ x FL
4	1	2" METER BOX
5	1	1" CORP. STOP
6	1	1" ANGLE METER VALVE
7	2	2" BRASS PLUG
8	640 LF	2" CONDUIT - SCH. 40 (GRAY)
9	7	2" CONDUIT SWEEP (36") - SCH. 40 (GRAY)
10	2,160 LF	4" CONDUIT - SCH. 40 (GRAY)
11	9	4" CONDUIT SWEEP (36") - SCH. 40 (GRAY)
12	1	16" FIELDLOK GASKET
13	3	6" GRIP RING
14	1	6" GATE VALVE - MJ x FL
15	7	16" THRUST RESTRAINT
16	1	24" x 2" PLUG - MJ
17	18 LF	6" DUCTILE IRON PIPE
18	36 LF	16" DUCTILE IRON PIPE
19	10 LF	1" POLY PIPE
20	1	24" x 6" TEE - FL
21	1	24" x 16" TEE - FL
22	7	8" VALVE TILE LID
23	7	8" VALVE TILE INSERT
24	2	6" FL KIT
25	3	16" FL KIT
26	1	1" "CC" BRASS PLUG

**CONTRACTOR MATERIAL LIST**

No.	QUANTITY	PART
27	2	1" PLASTIC STIFFENER INSERTS
28	700 LF	TRACER WIRE
29	1	6" x 5" SPOOL PIECE - FL x PE
30	1	5" STORZ x 6" FL ADAPTER
31	1	5" STORZ CAP
32	35 LF	8" VALVE TILE
33	1	24" MJ KIT
34	7	2" BELL ENDS
35	18	4" BELL END
36	2	2" CONDUIT SWEEP (36") - SCH. 40 (OFF WHITE - LTD & COMCAST)
37	1	16" x 2" CAP - MJ
38	112 LF	24" STEEL CASING
39	2	16" - 90° BEND - MJ
40	126 LF	24" RESTRAINED JOINT DUCTILE IRON PIPE
41	700 LF	2" CONDUIT - SCH. 40 (OFF WHITE - LTD & COMCAST)
42	112 LF	42" STEEL CASING
43	4	32LB HIGH POTENTIAL MAGNESIUM ANODE
44	4	24" FL KIT
45	198 LF	24" DUCTILE IRON PIPE
46	8	24" THRUST RESTRAINT
47	1	16" BUTTERFLY VALVE - MJ x FL
48	9	24" FIELDLOK GASKET
49	2	24" 22-1/2" BEND - MJ



**GENERAL NOTES**

- ALL STUBBED CONDUITS SHALL BE SEALED WITH A CAP. CONDUITS STUBBED TO THE RIGHT-OF-WAY SHALL BE MARKED IN ACCORDANCE WITH STANDARD DRAWING W1.27.
- SUB ELECTRIC WILL SET ALL ELECTRIC VAULTS.
- ALL CONDUIT INSTALLED OUTSIDE OF THE JOINT TRENCH WITH THE WATER LINE SHALL CONFORM TO STANDARD DRAWING ES00074.
- REFER TO DETAILED ELECTRICAL CONDUIT PLAN (THIS SHEET) FOR COMPLETE SUB ELECTRIC CONDUIT INSTALLATION AND REQUIREMENTS.
- WATER CASING INSTALLATION SHALL CONFORM TO STD. DWG. W1.30.
- CATHODIC PROTECTION FOR CASINGS SHALL CONFORM TO STD. DWG. W1.31M.

**TRENCH SECTION NOTE**

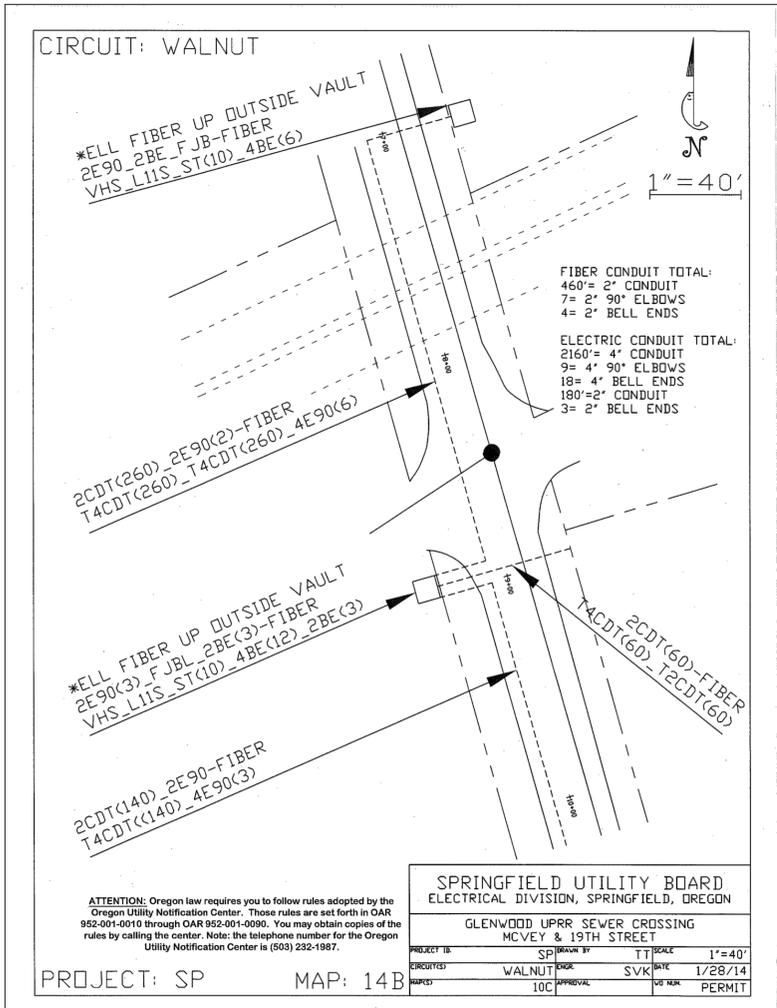
- BACKFILL REQUIREMENTS AND SURFACE RESTORATION ABOVE THE PIPE ZONE SHALL BE AS REQUIRED IN DETAIL 1 SHEET D-1.

**LEGEND**

- CONTRACTOR CONSTRUCTED WATER FACILITIES
- SUB CREW CONSTRUCTED FACILITIES
- SUB ELECTRIC CONDUITS NUMBER AND SIZE AS NOTED
- LTD & COMCAST CONDUITS NUMBER AND SIZE AS NOTED
- PROPOSED SEWER REFER TO CITY PLANS.
- ELECTRIC VAULT TO BE INSTALLED BY SUB CONSTRUCTION CREW
- WATER VALVE
- 90° BEND
- TEE
- CAP & BRASS PLUG
- MJ PLUG
- FLUSH POINT LOCATION
- MECHANICAL JOINT CONNECTION
- FLANGED JOINT CONNECTION

**SPRINGFIELD UTILITY BOARD PROJECT CONTACTS**

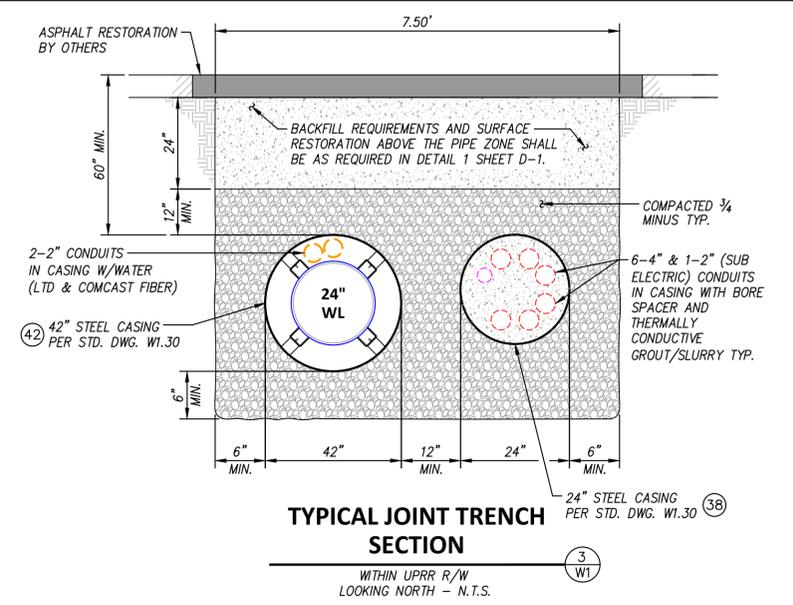
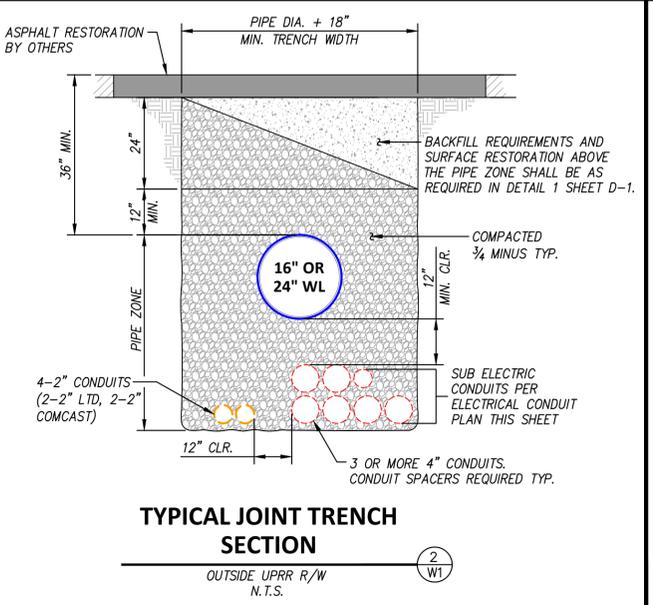
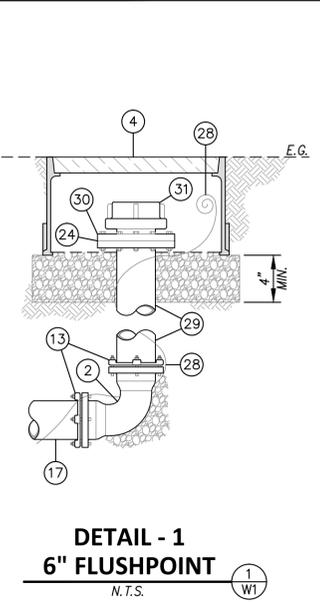
WATER DIVISION: LADD BOYCE, 541-501-0749  
ELECTRIC DIVISION: TONY TALBOT, 541-912-3878



**ELECTRICAL CONDUIT PLAN** REVISED WITH ADDENDUM 1 DATED 06/02/14

ATTACHMENT 3 SCALE: 1"=40'

CITY PROJECT NUMBER P21080



BY: W-1 25 OF 30

REVISION: 1 5/23/14 CHANGE PIPE AND CASING SIZE. REVISE CONDUITS FOR LTD & COMCAST.

DESIGNED: LSB DRAWN: LSB CHECKED: BEM APPROVED:

REGISTERED PROFESSIONAL ENGINEER  
ORIGIN: OREGON  
EXPIRES: DECEMBER 31, 2014

SCALE: AS SHOWN HORIZ: AS SHOWN VERT: AS SHOWN  
NOTICE: IF THIS BAR DOES NOT MEASURE 1\"/>

PROJECT NAME: CITY OF SPRINGFIELD, OREGON  
FRANKLIN/McVAY SANITARY SEWER EXTENSION  
PROJECT NUMBER P21080

SHEET TITLE: UPRR TRESTLE CROSSING CONTRACTOR CONSTRUCTED WATER AND ELECTRIC FACILITIES

SPRINGFIELD UTILITY BOARD  
WATER ENGINEERING DIVISION  
SPRINGFIELD, OREGON

DATE: APRIL 2014

DATE: 13-1469.201

MSA PROJECT:

