



Authorized by: Terri White
Title: Contract Analyst
Date: 09/17/2020

September 17, 2020

**Addendum Number 2 to the Contract Documents for the
Invitation to Bid for P21157; Mohawk and Olympic Overlay**

The City of Springfield is amending the above mentioned Invitation to Bid issued on August 27, 2020. 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 Item 37, Truncated Domes on Existing Surfaces, is being deleted. The only required truncated domes on existing surfaces will be at temporary pedestrian crossings and those are to be incidental to the "Temporary Protection and Direction of Traffic" bid item. See Section 00225.90(a)(2) of the Special Provisions, Section B – Scope of Work which reads, "Add the following bullet item after the bullet item that begins "Providing, Surfacing, maintaining...":.

Temporary Walks, hardware for Temporary Walks, and truncated dome detectable warning surfaces

2.) The Bid Submittal document is being revised. Bid item 37, Truncated Domes on Existing Surfaces, has been removed. See Attachment 1 with a revision date of 09/17/2020.

3.) The Special Provisions, Section B - Scope of Work, is being revised. Bid item numbers have been revised to correspond with the revised Bid Submittal document referenced above. See Attachment 2 with a revision date of 09/17/2020.

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 <https://www.springfield-or.gov/city/development-public-works/invitations-to-bid/p21157-mohawk-and-olympic-overlay/>.

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.

Signature

Date



City of Springfield
 225 Fifth Street
 Springfield, OR 97477

Bid Submittal – Revised 09/17/2020

Project No. P21157
Project Title: Mohawk and Olympic Overlay

Bid Items:

Item No.	Description	Payment Specification Number	Approx. Quantity	Per	Unit Price	Total Price Extension
Construction Bid Items						
1	Mobilization	00210.90	1	LS		
2	Temporary Protection and Direction of Traffic	00225.90(a)(2)	1	LS		
3	Temporary Signs	00225.91	1,750	SQ FT		
4	Temporary Barricades, Type II	00225.92(a)	80	EACH		
5	Temporary Barricades, Type III	00225.92(a)	15	EACH		
6	Pedestrian Channelizing Devices	00225.92(p)	500	FOOT		
7	Temporary Plastic Drums	00225.93(c)	230	EACH		
8	Temporary Flexible Pavement Markers	00225.93(f)	4,500	EACH		
9	Temporary Pavement Legends	00225.93(k)	52	EACH		
10	Temporary Pavement Bars	00225.93(l)	400	SQ FT		
11	Sequential Arrow Signs	00225.96(a)	2	EACH		
12	Portable Changeable Message Signs	00225.96(b)	2	EACH		
13	Temporary Curb Ramp, Parallel	00225.97(a)	5	EACH		
14	Temporary Curb Ramp, Perpendicular	00225.97(b)	5	EACH		
15	Flaggers	00225.98(a)	500	HRS		
16	Flagger Station Lighting	00225.94(a)	4	EACH		
17	Erosion Control	00280.90(a)	1	LS		
18	Pollution Control Plan	00290.90	1	LS		
19	Construction Survey Work	00305.90	1	LS		
20	Removal of Structures and Obstructions	00310.91(a)	1	LS		
21	12 Inch Subgrade Stabilization	00331.90	200	SQ YD		
22	Subgrade Geotextile	00350.90(d)	380	SQ YD		
23	Concrete Junction Boxes	00470.90(h)	2	EACH		
24	Adjusting Boxes	00490.90(d)	56	EACH		
25	Adjusting Inlets	00490.90(c)	11	EACH		
26	Minor Adjustment of Manholes	00490.90(a)	39	EACH		
27	Cold Plane Pavement Removal, 4 Inches Deep	00620.90	21,600	SQ YD		
28	Cold Plane Pavement Removal, 5 Inches Deep	00620.90	24,151	SQ YD		
29	Cold Plane Pavement Removal, 10.5 Inches Deep	00620.90	1,582	SQ YD		
30	Cold Plane Pavement Removal, 11 Inches Deep	00620.90	3,565	SQ YD		
31	Cold Plane Pavement Removal, 12.5 Inches Deep	00620.90	58	SQ YD		

32	Aggregate Base	00640.90(a)	281	TON		
33	Emulsified Asphalt for Tack Coat	00730.90	58	TON		
34	Level 3, 1/2-inch ACP Mixture	00744.90	14,945	TON		
35	Extra for Asphalt Approaches	00749.91(a)	21	EACH		
36	Concrete Islands	00759.90(b)	1,246	SQ FT		
37	Truncated Domes on New Surfaces	00759.90(o)	119	EACH		
38	Retrofit Concrete Sidewalk Ramps	00759.90(m)	66	EACH		
39	Mono-Directional White Type 1AR Markers	00855.90(b)	700	EACH		
40	Bi-Directional Yellow Type 1AR Markers	00855.90(d)	72	EACH		
41	Permanent Surface Mounted Tubular Markers	00856.90	11	EACH		
42	Longitudinal Pavement Markings - Paint	00860.90	33,000	FOOT		
43	Pavement Legend, Type B: Arrows	00867.90(a)	63	EACH		
44	Pavement Legend, Type B: "ONLY"	00867.90(b)	1	EACH		
45	Pavement Legend, Type B-HS: Bicycle Lane Stencil	00867.90(m)	28	EACH		
46	Pavement Legend, Type B-HS "BUS"	00867.90(g)	1	EACH		
47	Pavement Bar, Type B	00867.90(r)	65	SQ FT		
48	Pavement Bar, Type B-HS	00867.90(r)	3,360	SQ FT		
49	Crosswalk Closure Supports	00902.90	2	EACH		
50	Remove Existing Signs	00905.90(a)	1	LS		
51	Sign Support Footings	00920.90	1	LS		
52	Pipe Sign Supports	00930.90(p)	1	LS		
53	Signs, Standard Sheeting, Sheet Aluminum	00940.90(b)	260	SQ FT		
54	Signs, Standard Sheeting, Extruded Aluminum	00940.90(a)	335	SQ FT		
55	Illumination Modification, Mohawk Blvd at 18th	00970.90(f)	1	LS		
56	Traffic Signal Modification, Mohawk Blvd at G St	00990.90(b)	1	LS		
57	Traffic Signal Modification, Mohawk Blvd at Centennial Blvd	00990.90(b)	1	LS		
58	Traffic Signal Modification, Mohawk Blvd at M St	00990.90(b)	1	LS		
59	Traffic Signal Modification, Mohawk Blvd at Olympic St	00990.90(b)	1	LS		
60	Traffic Signal Modification, RRFB Modification	00990.90(b)	1	LS		
61	Traffic Signal Modification, Olympic St at 18th St	00990.90(b)	1	LS		
62	Traffic Signal Modification, Olympic St at 21st St	00990.90(b)	1	LS		
63	Traffic Signal Modification, Olympic St at 28th St	00990.90(b)	1	LS		
64	Permanent Seeding	01030.90(d)	0.3	ACRE		
65	Bark Mulch	01040.90(f)(a)	6	CU YD		
66	Topsoil	01040.90(b)	120	CU YD		
67	Removing and Rebuilding Fence	01050.90(d)	20	FOOT		
68	4 Foot Chain Link Fence	01050.90(b)(a)	61	FOOT		
Project Bid Item Total: \$						

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 P21157 in accordance with this Bid, the Contract Plans, Section 100 of the City of Springfield Standard Construction Specifications, 1994 Edition and all subsequent modifications, Parts 00200 through 03000 of the 2018 Oregon Standard Specifications for Construction, 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 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(5) 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.

Contract Award

Bids will be accepted and awarded in accordance with Oregon Public Contracting Law and Section 103.01 of the City's most recent version of the Standard Construction Specifications.

Prior to awarding the Contract, the City may, at its sole discretion, require Contractors and/or Subcontractors to demonstrate to the City's satisfaction that they have a complete and clear understanding of all requirements of the Prevailing Wage Rate Laws contained in ORS 279C.800 through 279C.870 and possess the expertise necessary for fulfilling their obligations pertaining to these requirements throughout the administration of the Contract. In determining competency, the City may consider Certified Payroll Reports submitted by the Contractor and/or Subcontractor for projects previously performed for the City, copies of Certified Payroll Reports submitted to other public entities, references from other public entities attesting to the Contractor's expertise, or an interview with the Contractor regarding their personnel resources and expertise or their ability to obtain the resources and expertise necessary to meet all contractual responsibilities in accordance with ORS 279C.375.

Time is of the Essence

Time is of the essence in the Contractor's performance of the Contract. Delays in the Contractor's performance of the work may inconvenience the public, interfere with business and commerce, and increase cost to the City. It is essential and in the public interest that the Contractor prosecute the work vigorously to Contract completion. The City does not waive any rights under the Contract by permitting the Contractor to continue to perform the Contract, or any part of it, after the Contract Time of Completion shown below, or as adjusted by Contract Change Order, has expired.

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 amount of \$500.00 per day 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 and a pre-construction meeting has been held. The Contractor shall complete the work under this Bid within 360 consecutive calendar days from the date of actual commencement of work or the date occurring ten days after the date of the Notice to Proceed, whichever occurs first, or such other starting date as is fixed by the Notice to Proceed.

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.) The Contractor, Subcontractor or other person doing, or contracting to do, or contracting for the whole or any part of the work on the Contract shall comply with all applicable requirements of Federal and State civil rights and rehabilitation statutes, rules and regulations.
- 4.) In conformance with OAR 137-049-0440(3) and ORS 279A.110(4) the Contractor has 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 or a business enterprise that is owned or controlled by or that employs a disabled veteran, as defined in ORS 408.225.
- 5.) 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. Upon request, the Contractor shall furnish a copy of the employee drug testing program to the City.
- 6.) In accordance with ORS 279C.510, If demolition is involved, the Contractor shall salvage or recycle construction and demolition debris, if feasible and cost-effective as required by ORS 279C.510(1). If lawn or landscaping maintenance is involved, the Contractor shall compost or mulch yard waste in an approved site, if feasible and cost-effective as required by ORS 279C.510(2).
- 7.) In accordance with ORS 279C.520, no person will be employed by the Contractor or Subcontractor for more than 10 hours in any one day, or 40 hours in any one week except in cases of necessity, emergency, or where the public policy absolutely requires it, and in such cases the person so employed shall be paid at least time and one-half the regular rate of pay for all times worked in excess of eight hours a day or 40 hours in any one week when the work week is five consecutive days, Monday through Friday; or in excess of 10 hours a day or 40 hours in any one week when the work week is four consecutive days, Monday through Friday; and for all work performed on a Saturday, Sunday and on any legal holiday specified in ORS 279C.540.
- 8.) In compliance with ORS 279C.525, the Contractor has received and reviewed Federal, State and local agencies that may have enacted ordinances, rules or regulations dealing with the prevention of environmental pollution and the preservation of natural resources that may affect the performance of this Contract as identified under Section 13 of the Contract. Accordingly, if the Contractor is delayed or must undertake additional work by reason of ordinances, rules, or regulations relating to the prevention of environmental pollution and the protection of natural resources subsequent to the date of submission or the successful quote, the City may:
 - a.) Terminate the Contract,
 - b.) Complete the work itself,
 - c.) Use non-owner forces already under contract with the City of Springfield,
 - d.) Solicit bids for a new contractor to provide the necessary services under competitive bid requirements 279C,

- e.) Issue the Contractor a change-order setting forth additional work that must be undertaken.
- 9.) 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. The Contractor shall ensure that each of its Subcontractors complies with these requirements.
- 10.) 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.
- 11.) 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).
- 12.) The Contractor performing work on this project shall have a current, valid certificate of licensure issued by the Construction Contractor's Board in accordance with ORS 701 and, if performing work described in ORS 671.520, a current, valid certificate of licensure from the State Landscape Contractor's Board in accordance with ORS 671.560 as applicable in place at the time the quote is presented.
- 13.) Prior to performing any work under the Contract all Subcontractors shall have a current, valid certificate of licensure issued by the Construction Contractor's Board in accordance with ORS 701 and, if performing work described in ORS 671.520, a current, valid certificate of licensure from the State Landscape Contractor's Board in accordance with ORS 671.520 as applicable.
- 14.) In compliance with ORS 279C.836, the Contractor shall confirm that all Subcontractors have a valid public works bond on file with the Construction Contractors Board prior to allowing them to perform any work under the Contract.
- 15.) If the Contract specifies that the project includes Asbestos Abatement, the Contractor and all Subcontractors performing work on the project shall be licensed in accordance with ORS 467A.720 prior to performing any work on the project. Certification of compliance shall be presented to the City upon request.
- 16.) 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.
- 17.) The Contractor and all Subcontractors shall comply with all applicable provisions of the Americans With Disabilities Act of 1990, 42 USC Section 12101 et seq. and Section 504 of the Rehabilitation Act of 1973.

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

As required by ORS 305.385(6), under penalty of perjury, by signing below the Contractor represents that, to the best of their knowledge, neither they nor any applicable Subcontractors performing work under the Contract are in violation of any tax laws as described in ORS 305.380(4) and have complied with the tax laws of this state or a political subdivision thereof including, but not limited to, ORS 305.620 and ORS Chapters 316, 317 and 318. The Contractor shall also covenant to continue to comply with the tax laws of this state or a political subdivision thereof during the term of the Contract and that Contractor’s failure to comply with such laws prior to execution of the Contract or during the term thereof is a default for which the City may terminate the Contract and seek damages and other relief available under the terms of the Contract or under applicable law.

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.

If the Bid is submitted by a joint venture and is in the name of the joint venture, by signing below I certify that all parties have examined this Bid, including all requirements and the Contract terms and conditions and, if successful, the joint venture shall execute a Contract which incorporates the stated requirements, terms and conditions.

Bidder’s Signature _____

Bidder’s Name *(Please Print)* _____

Title _____

Business Name _____

Business Address _____

City _____ State _____ Zip _____

Phone Number _____ Cell Phone _____

Date _____ E-mail Address _____

SPECIAL PROVISIONS

SECTION B – Scope of Work

Revised 09/17/2020

P21157 – Mohawk and Olympic Overlay

B1. GENERAL

B1.1 Project Description

Mill and pave Mohawk Blvd. from G St. to approximately 100 feet south of the Mohawk Blvd. and 18th St. intersection. Mill and pave Olympic St. from Mohawk Blvd. to 28th St. Reconstruct locations described in engineering plans on sheet E01 using full depth cold plane pavement removal and repair process. Remove and replace traffic islands with traffic separators as described in engineering plans on sheets E02-E05. Replace curb ramps at the following locations: six at G St. and Mohawk Blvd. intersection, four at I St. and Mohawk Blvd. intersection, two at Modoc St. and Mohawk Blvd. intersection, two at J St. and Mohawk Blvd. intersection, two at the Parker St. and Mohawk Blvd. intersection, seven at the Centennial Blvd. and Mohawk Blvd. intersection, eight at the M St. and Mohawk Blvd. intersection, two at the 16th St. and Mohawk Blvd. intersection, one at the 17th St. and Mohawk Blvd. intersection, six at the Olympic St. and Mohawk Blvd. intersection, eight at the 18th St. and Olympic St. intersection, two at the mid-block crossing on Olympic St., four at the 21st and Olympic St. intersection, two at the 23rd St. and Olympic St. intersection, four on Olympic St. at the Park and Ride/KFC entrance, two on Olympic St. at the Park and Ride/Walmart entrance, and four at the 28th St. and Olympic St. intersection.

B1.2 Cooperation with Utilities

Utility Information (No Anticipated Relocations) - Within the Project limits, there are no anticipated relocations with the Utilities listed below. The Contractor shall contact those Utilities having buried facilities and request that they locate and mark them for their protection prior to construction.

Utility	Contact Person's Name, Address, Email and Phone Number
Comcast	Gabriel Norbury 2871 Chad Drive Eugene, OR 97408 Gabriel_Norbury@comcast.com 541-731-1498

The Contractor shall notify, in writing, the Utilities listed above, with a copy to the Engineer, at least 14 Calendar Days before beginning Work on the Project.

Utility Information (Anticipated Relocations) - The following organizations may be adjusting Utilities within the limits of the Project during the period of the Contract with relocation Work estimated to be completed by the following dates and times:

Utility	Contact Person's Name, Address, Email, and Phone Number	Estimated Completion Date
NW Natural	Monte Brown 790 Goodpasture Island Rd Eugene, OR 97402 Monte.Brown@nwnatural.com 541-954-1255	6/22/2020
SUB Electric	Dan Norland	

	1001 Main St Springfield, OR 97477 Dann@subutil.com 541-744-3784	6/22/2020
CenturyLink	Roman Hernandez 1761 w 2 nd Ave Eugene, Or 97402 Roman.Hernandez@centurylink.com 541-484-7827	<ul style="list-style-type: none"> • Manhole at Station "M" 117+50, right and Manhole at Station "O" 320+55, right - During Construction • All other relocations - 6/22/2020
SUB Water	Keoki Lapina 202 South 18 th St Springfield, OR 97477 KeokiL@subutil.com 541-214-5781	7/20/2020

The Contractor shall contact the Engineer to view the approved Utility Relocation Plans.

The Contractor shall notify, in writing, the Utilities listed above, with a copy to the Engineer, at least 14 Calendar Days before beginning Work on the Project.

NW Natural

The Contractor shall notify the Gas Utility in writing, with a copy to the Engineer, at least 14 Calendar Days before beginning Work within 10 feet of the gas pipeline.

In the event of an emergency, and in addition to the calls required by the Utilities Notification System, the Contractor shall call Northwest Natural Gas 1-800-882-3377.

SUB Electric

Contact SUB Electric Operations at least 72 hours prior to any Work or Equipment encroaching within 20 feet of electrical lines. At certain locations, power, light, and telephone poles may interfere with excavation and operation of the Contractor's Equipment. Coordinate with SUB Electric Operations 72 hours prior about supporting poles. The cost to support poles will be paid by the City of Springfield and shall not be included in the Contractors cost.

CenturyLink

Prior to construction, CenturyLink will lower the manhole at Station "M" 117+50, right (Centennial Blvd). Then following paving activities, CenturyLink will raise the manhole to finish grade. Notify CenturyLink once final paving is complete and provide them 5 Calendar Days to complete their adjustment.

During construction, CenturyLink will adjust manhole at Station "O" 320+55, right (23rd street). The Contractor shall notify CenturyLink in writing, with a copy to the Engineer, 14 Calendar Days before the Contractor is scheduled to begin performing ADA curb ramp construction. After CenturyLink receives the notification, the Contractor shall then allow CenturyLink 5 Calendar Days to schedule and complete the adjustment Work before the Contractor begins performing ADA curb ramp construction.

Contact CenturyLink at 541-484-7827 at least 72 hours prior to any Work or Equipment encroaching within 10 feet of communication lines.

SUB Water

Contact SUB Water Operations at least 10 Calendar Days prior to beginning Work within 10 feet of water facilities at the at the following locations: Stations "M" 100+37 to 100+78 left, "M" 100+79, "M" 100+80 to 114+35 right, "M" 111+16 to 111+44, "M" 113+60 right, "M" 114+14 right, "M" 113+75 to "M" 114+14, "M" 122+28, "M" 122+40, "M" 123+24, "M" 130+65 to "M" 134+00, "O" 303+34 to 304+19, "O" 313+50, "O"

326+41 left, "O" 337+00 left, "O" 337+00 right, "O" 320+50 right, "O" 321+16 right, and "M" 108+80 right. An on-site safety watcher will be required during construction at these locations at no cost to the Contractor. Contact SUB Water Operations at 541-726-2396 at least 72 hours prior to adjusting any water valve boxes.

B1.3 Record Drawings

Contractor shall maintain at the site one set of specifications, full size drawings, shop drawings, Equipment drawings and supplemental drawings which shall be corrected as the Work progresses to show all changes made. Drawings shall be available for inspection by the Engineer. Upon completion of the Contract and prior to final payment, specifications and drawings shall be turned over to the Engineer.

B1.4 Competent Person Designation

Contractor shall designate a qualified and experienced "competent person" at the site whose duties and responsibilities shall include enforcement of Oregon - OSHA regulations regarding excavations, the prevention of accidents, and the maintenance and supervision of construction site safety precautions and programs.

B1.5 Vehicle Parking

The vehicles of the Contractor's and subcontractors' employees shall be parked in accordance with local parking ordinances.

B1.6 Prosecution and Progress - Project Work Schedules

Before starting Work, the Contractor shall submit for written approval a proposed construction schedule to the Engineer. If it is desirable to carry on operations in more than one location simultaneously, a schedule shall be submitted for each location two weeks in advance of beginning such operations. In the event that the Contractor's proposed construction schedule does not meet the necessary construction program schedule as determined by the City, the Contractor shall resubmit a schedule that conforms as approved.

The schedule shall show the proposed order of Work and indicate the time required for completion of the major items of Work. This working schedule shall take into account the passage or handling of traffic with the least practicable interference therewith and the orderly, timely and efficient prosecution of Work. It will also be used as an indication of the sequence of the major construction operations and as a check on the progress of Work.

The Contractor shall provide weekly progress schedules of expected Project activities. The progress schedules shall indicate the Contractor's plan of Work in sufficient detail to enable both the Contractor and the Engineer to plan, coordinate, appraise, document, and control their respective Contract responsibilities. The schedule of Work, and the work forces and Equipment supplied by the Contractor, shall be adjusted adequately to allow for the completion of the Contract Work by the stated Contract completion date. Any Work done without notification to the Engineer is subject to rejection.

B1.7 Specifications

Refer to Special Provisions Section A1.2 for applicable specifications.

SECTION 00210 - MOBILIZATION

Comply with Section 00210 of the 2018 Oregon Standard Specifications for Construction.

SECTION 00220 – ACCOMMODATIONS FOR PUBLIC TRAFFIC

Comply with Section 00220 of the 2018 Oregon Standard Specifications for Construction modified as follows:

00220.03 Work Zone Notifications - Add the following to this subsection:

(c) Public Notice - Communicate with all properties adjacent to the Work a minimum of 5 Calendar Days before Work begins. In addition, provide approved written notices to all residents and businesses that will have their access disrupted by construction a minimum of 48 hours before the disruption is scheduled to occur. Coordinate Work activities with Lane Transit District, Springfield School District, Eugene-Springfield Fire, Springfield Police, local sanitation services, and USPS. Provide documentation of the required communication to the Agency. A draft version of the document the Contractor intends to utilize for the required notifications shall be provided for City review and approval at the pre-construction meeting.

(d) Bus Stops – Notify LTD in writing, with a copy to the Engineer, a minimum of 7 Calendar Days before performing any Work that requires closing or relocating an LTD bus stop.

Rick Thompson
Operations Supervisor
(541) 682-6190
Rick.Thompson@ltd.org

00220.40(e)(1) Closed Lanes - Delete this subsection, except for the subsection number and title, and replace it with the following:

One or more traffic lanes may be closed when allowed, shown, or directed during the following periods of time except as indicated in 00220.40(e)(2):

- Sunday between 7:00 p.m. and 12:00 a.m.
- Monday between 12:01 a.m. and 7:00 a.m.
- Daily, Monday through Thursday between 7:00 p.m. and 7:00 a.m.
- Friday between 12:01 a.m. and 7:00 a.m.

Add the following subsection:

00220.40(e)(2) c. Bus Stops — Approval from the Engineer and LTD must be granted before closing or relocating any LTD bus stops. With approval from the Engineer and LTD, the Contractor may temporarily close one LTD bus stop location per bus route between 6:00 a.m. and 12:15 a.m. daily. No more than one bus stop per bus route may be closed concurrently. Do not perform any lane closures, bus stop closures, or bus stop relocations that will affect the established LTD bus routes.

Except as noted above, keep all pedestrian facilities and outside traffic lanes open within 100 feet of the bus stops at the following locations between the hours of 6:00 a.m. and 12:15 a.m. daily:

- Sta. "M" 106+13.70, Northbound
- Sta. "M" 107+ 59.70, Southbound
- Sta. "M" 112+30.50, Northbound
- Sta. "M" 118+81.75, Northbound
- Sta. "M" 119+55.50, Southbound
- Sta. "M" 124+95.80, Northbound
- Sta. "M" 128+89.80, Southbound
- Sta. "O" 301+39.50, Eastbound
- Sta. "O" 309+32.50, Westbound
- Sta. "O" 310+03.00, Eastbound
- Sta. "O" 317+38.50, Eastbound

- Sta. "O" 329+20.00, Eastbound

SECTION 00225 - WORK ZONE TRAFFIC CONTROL

Comply with Section 00225 of the 2018 Oregon Standard Specifications for Construction modified as follows:

00225.00 Scope - Add the following to the end of this subsection:

Traffic must be maintained in a 10 foot lane on Mohawk Blvd. and Olympic St. during construction. Contractor is required to maintain pedestrian access during ADA Ramp construction on both Mohawk Blvd. and Olympic St. When a traffic lane will be closed on Mohawk Blvd. or Olympic St. the Contractor shall notify Emergency Services (541-682-5111) and McKenzie Willamette Hospital (541-726-4450) of the lane closure, at least 48 hours in advance of the closure.

00225.05 (b) Contractor Modified Traffic Control Plan

In the sentence that begins "If the Contractor requests to use a modified Agency TCP..." delete "according to 00150.36".

Add the following:

Contractor may propose a Traffic Control Plan (TCP) different than that provided with the plans. Incorporate all appropriate standards from the latest editions of Manual of Uniform Traffic Control Devices (MUTCD) and ODOT's Oregon Temporary Traffic Control Handbook. Traffic Control Plans shall be produced and stamped by a registered professional engineer licensed by the State of Oregon and/or submitted for use from ODOT's effective, approved and relevant standard Traffic Control Plans. Contractor supplied TCP shall be submitted two weeks prior to implementation and approved by the City of Springfield. Allow 5 work days for the City's Engineer to review and return the drawings. Drawings which are not approved shall be corrected and resubmitted for review. Allow 5 work days for the Engineer to review drawings each time they are resubmitted.

00225.17 Temporary Sidewalk Ramps - Delete this subsection in its entirety and replace it with the following:

00225.17 Temporary Curb Ramps and Temporary Walks

Furnish Temporary Curb Ramps and Temporary Walks from the QPL or the Conditional Use List; or construct Temporary Curb Ramps and Temporary Walks on-site according to the Standard Drawings. Use ACP, PCC, or other approved Materials for on-site constructed Temporary Curb Ramps and Temporary Walks.

00225.47 Temporary Sidewalk Ramps – Delete this subsection in its entirety and replace it with the following:

00225.47 Temporary Curb Ramps and Temporary Walks

Install or construct Temporary Curb Ramps and Temporary Walks as shown in the Standard Drawings and in the Plans, and according to the manufacturer's recommendations, if applicable. Temporary Curb Ramp and Temporary Walk dimensions and grades shall comply with the Standard Drawings or requirements approved by the Engineer. Repair or reconstruct unacceptable Temporary Curb Ramps and Temporary Walks before opening to pedestrian traffic.

For Temporary Curb Ramps and Temporary Walks that cross, or are placed adjacent to, a gutter line or other drainage Structure, provide an approved means to prevent water from accumulating at the bottom of the ramp or overflowing onto the ramp surface.

00225.67 Temporary Sidewalk Ramps – Delete this subsection in its entirety and replace it with the following:

00225.67 Temporary Curb Ramps and Temporary Walks - Inspect and maintain Temporary Curb Ramps and Temporary Walks for:

- Any damaged curb ramp or walk surfaces.
- Ramp and walk alignment or connections to existing sidewalks or Roadway surfaces.
- Compliance with the dimensions and grades in the Standard Drawings or requirements approved by the Engineer.
- Items identified by the manufacturer’s recommendations.
- Other ramp or walk quality or performance issues, as directed.
- Keep ramps and walks unobstructed. Maintain a firm, stable, and slip resistant surface free of debris.

After completion of the Work, restore the area on which the Temporary Curb Ramp or Temporary Walk occupied to original condition. Replace vegetation, landscaping, sprinklers and any other Materials or appurtenances removed to construct Temporary Walks or Temporary Curb Ramps as directed.

00225.87 Temporary Sidewalk Ramps – Delete this subsection in its entirety and replace it with the following:

00225.87 Temporary Curb Ramps and Temporary Walks - Temporary Curb Ramps and Temporary Walks will be measured on the unit basis.

00225.90(a)(2) Temporary Protection and Direction of Traffic – Add the following bullet item after the bullet item that begins “Providing, Surfacing, maintaining...”:

- Temporary Walks, hardware for Temporary Walks, and truncated dome detectable warning surfaces

00225.97 Temporary Sidewalk Ramps - Delete this subsection in its entirety and replace it with the following:

00225.97 Temporary Curb Ramps and Temporary Walks - The accepted quantities of Temporary Curb Ramps and Temporary Walks will be paid for at the Contract unit price, per unit of measurement, for the following items:

<u>Pay Item</u>	<u>Unit of Measurement</u>
(a) Temporary Curb Ramp, Parallel (Bid Item 13)	Each
(b) Temporary Curb Ramp, Perpendicular (Bid Item 14)	Each

Payment for items (a) and (b) will be payment in full for furnishing, installing and maintaining each Temporary Curb Ramp.

No separate or additional payment will be made for:

- Removing Temporary Curb Ramps and Temporary Walks
- Restoring the area on which the Temporary Curb Ramp or Temporary Walk occupied
- Materials
- Surfacing
- Other Temporary Curb Ramp or Temporary Walk hardware

SECTION 00280 - EROSION AND SEDIMENT CONTROL

Comply with Section 00280 of the 2018 Oregon Standard Specifications for Construction modified as follows:
00280.90 Payment –Add the following bulleted items to the bullet list that begins “Item (a) includes...”:

- vacuum sweeping
- all Work necessary to meet all erosion controls required for the Project

Delete the sentence and bulleted list that begins “Partial payments for item (a)...”.

SECTION 00290 - ENVIRONMENTAL PROTECTION

Comply with Section 00290 of the 2018 Oregon Standard Specifications for Construction modified as follows:

00290.10 Staging and Disposal Sites – Delete the paragraph that begins "Locate staging areas and disposal..." and replace it with the following:

Locate staging areas and disposal sites in previously improved or disturbed sites, including existing Roadways, pullouts, turnouts, parking lots, and storage yards that have been compacted, and graveled or paved unless otherwise specified in Section 00236 or Section 00237 or approved, in writing, by the Engineer.

Do not stage Equipment, park Equipment or store Materials in any City, County, State, or Federal park, wayside or recreational facility.

00290.20(c)(1) General - Delete the paragraph that begins “Segregate all demolition debris according to...” and replace it with the following:

Segregate all demolition and construction debris according to its intended end use (reuse, recycle, or dispose). If required, store in designated areas in a manner that prevents contamination to Soil and water and prevents fugitive dust emissions. Remove all waste Materials recovered from the site unless otherwise approved, in writing. Retain disposal and recycling facility receipts for wastes generated on site for at least 1 year after completion of the Project. Provide copies of the receipts to the Engineer within 7 Calendar Days of the disposal or recycling.

00290.20(c)(3) Reuse, Recycle and Dispose of Materials – Delete the title of this subsection and replace it with the following:

Reuse, Recycle, Compost and Dispose of Materials

(3) Reuse, Recycle, Compost and Dispose of Materials – Delete the three bullets and replace them with the following:

- Reuse demolition and construction debris.
- Recycle demolition and construction debris.
- Compost or mulch yard waste material from lawn and landscape maintenance.
- If it is not feasible to reuse, recycle, or compost, (“feasible” is defined as a facility that is capable of handling the material, will take the material and the cost of transportation plus the cost to reuse or recycle the material is equal to or less than the costs of disposal) dispose of waste material according to the following:

00290.30(b) Pollution Control Plan - Delete the paragraph that begins “Develop and submit a PCP...” and

replace it with the following:

Develop a PCP using ODOT Form 734-2445 and submit it to the Engineer for approval 10 Calendar Days before the preconstruction conference. Maintain a copy of the PCP on-site at all times during construction activities, readily available to employees and Inspectors. Ensure that all employees comply with the provisions of the PCP.

Delete the paragraph that begins "A Pollution Control Plan...".

SECTION 00305 - CONSTRUCTION SURVEY WORK

Section 00305, which is not a Standard Specification, is included for this Project by Special Provision.

DESCRIPTION

00305.00 Scope - Provide construction survey work according to the current edition on the date of Advertisement, of the ODOT "Construction Surveying Manual for Contractors". This manual is available on the web at:

http://www.oregon.gov/ODOT/ETA/Documents_Geometronics/Construction-Survey-Manual-Contractors.pdf

In addition to the requirements of the ODOT "Construction Surveying Manual for Contractors", establish Engineering Stationing at _100_ foot intervals for the length of the Project along the shoulder of the highway. Maintain the stationing so it is visible throughout construction of the Project.

MEASUREMENT

00305.80 Measurement - No measurement of quantities will be made for construction survey work.

PAYMENT

00305.90 Payment - The accepted quantities of construction survey work will be paid for at the Contract lump sum amount for Bid Item 19, Construction Survey Work.

Payment will be payment in full for furnishing all material, Equipment, labor, and incidentals necessary to complete the Work as specified.

No separate or additional payment will be made for any temporary protection and direction of traffic measures including flaggers and signing necessary for the performance of the Construction Survey Work.

No separate or additional payment will be made for preparing surveying documents including but not limited to office time, preparing and checking survey notes, and all other related preparation work.

Costs incurred caused by survey errors will be at no additional cost to the Agency. Repair any damage to the Work caused by Contractor's survey errors at no additional cost to the Agency. The Engineer may make an equitable adjustment, which may decrease the Contract Amount, if the required survey work is not performed.

SECTION 00310 - REMOVAL OF STRUCTURES AND OBSTRUCTIONS

Comply with Section 00310 of the 2018 Oregon Standard Specifications for Construction modified as follows:

00310.41 Removal Work - Add the following:

(f) Areas of lawn or planter strips removed under this item outside of new structures shall be restored, including lawns, irrigation systems and topsoil. Lawn seed shall be commercial lawn seed appropriate for this area and approved by the Engineer.

00310.91 Lump Sum Basis – Add the following to the end of this subsection:

Item (a) includes removal of concrete islands and underlying pavement and aggregate base to the limits shown. No separate or additional payment will be made for saw cutting or restoration of landscaping.

Landscape restoration work associated with retrofitting concrete sidewalk ramps will be paid under Bid Item 38, Retrofit Concrete Sidewalk Ramps.

SECTION 00331 - SUBGRADE STABILIZATION

Comply with Section 00331 of the 2018 Oregon Standard Specifications for Construction.

SECTION 00350 - GEOSYNTHETIC INSTALLATION

Comply with Section 00350 of the 2018 Oregon Standard Specifications for Construction.

SECTION 00440 - COMMERCIAL GRADE CONCRETE

Comply with Section 00440 of the 2018 Oregon Standard Specifications for Construction modified as follows:

Add the following subsection:

00440.01 Terminology - For the purposes of this Contract, the terms "sidewalk ramp" and "sidewalk ramps" shall respectively refer to and shall be read to mean "curb ramp" and "curb ramps".

Add the following subsection:

00440.02 Abbreviations and Definitions:

ASTV – Actual Strength Test Value – See 02001.02 for definition.

00440.12 Properties of Commercial Grade Concrete – Delete the bullet that begins "Compressive strength..." and replace it with the following:

- **Compressive Strength** - ASTV minimum of 3,000 psi at 28 days

00440.14(d) Hardened CGC - Add the following to the end of this subsection:

The ASTV at 28 Days is the average compressive strength of the three cylinders tested. Discard all specimens that show definite evidence, other than low strength, of improper sampling, molding, handling, curing, or testing. The average strength of the remaining cylinders shall then be considered the test result.

SECTION 00470 - MANHOLES, CATCH BASINS, AND INLETS

Comply with Section 00470 of the 2018 Oregon Standard Specifications for Construction.

SECTION 00490 – WORK ON EXISTING SEWERS AND STRUCTURES

Comply with Section 00490 of the 2018 Oregon Standard Specifications for Construction modified as follows:

00490.46 Adjusting Manholes - Add the following:

(f) Adjusting Manholes for Pavement – Bid Item 26, Minor Adjustment of Manholes - Manholes, rings, lids and concrete surrounds shall be removed to allow for grinding and paving operations. After paving, surrounding area of asphalt shall be cut, new rings and lids set to grade, and reinforced concrete surrounds placed as shown on Springfield Standard Drawing 4-1A, with the exception of the specified concrete. Concrete for adjusting manholes shall be 4,000 psi rapid set concrete. Contractor will furnish new rings and lids.

00490.47 Adjusting Catch Basins and Inlets - Add the following to this subsection:

(e) Grates and Frames - Bid Item 25, Adjusting Inlets - Storm inlet tops removed for paving will have new grates and frames set at the time of construction. Grates and frames shall be as shown in Springfield Standard Drawing 4-11.

00490.48 Adjusting Boxes, Cleanout Lids and Similar Structures - Delete this subsection, except for the number and title, and replace it with the following:

Adjust SUB Water valve boxes for grinding and paving - Bid Item 24, Adjusting Boxes. After paving, cut and remove asphalt, set new valve box and place reinforced concrete as shown on SUB Water Standard Drawing W1.16.1, with the exception of the specified concrete. The valve box concrete surrounds shall use 4,000 psi rapid set concrete. Contractor will furnish Model 910 Valve box and lid from Olympic Foundry, East Jordan Iron Works or approved equal.

SECTION 00620 - COLD PLANE PAVEMENT REMOVAL

Comply with Section 00620 of the 2018 Oregon Standard Specifications for Construction modified as follows:

00620.00 Scope - Add the following to the end of this subsection:

Cold plane areas of Mohawk Blvd. and Olympic St. as shown.

SECTION 00640 – AGGREGATE BASE AND SHOULDERS

Comply with Section 00640 of the 2018 Oregon Standard Specifications for Construction modified as follows:

00640.00 Scope - Add the following to the end of this subsection:

Aggregate base used for aggregate under sidewalks, curb ramps and curb and gutter, is incidental to the concrete bid items.

00640.10 Materials - Delete the first sentence and replace it with the following:

Furnish aggregate of $\frac{3}{4}$ " - 0 as specified.

00640.80 Measurement – Delete this subsection, except for the number and title, and replace it with the following:

No measurement shall be made for aggregate base used for aggregate under sidewalks, curb ramps and curb and gutters.

00640.90 Payment - Delete this subsection, except for the number and title, and replace it with the following:

No payment shall be made for aggregate base used for aggregate under sidewalks, curb ramps and curb and gutters.

SECTION 00730 - EMULSIFIED ASPHALT TACK COAT

Comply with Section 00730 of the 2018 Oregon Standard Specifications for Construction modified as follows:

00730.90 Payment – Delete the paragraph that begins "No separate or additional payment..." and replace it with the following paragraph:

No separate or additional payment will be made for water added to dilute the Emulsified Asphalt used for tack coat after delivery from the asphalt supplier.

SECTION 00744 – ASPHALT CONCRETE PAVEMENT

Comply with Section 00744 of the 2018 Oregon Standard Specifications for Construction modified as follows:

00744.00 Scope - Add the following:

Level 3, ½-inch Dense Asphalt Concrete Pavement (ACP) Mixture shall be the Lane County 2020 Approved Mix.

Bid Item 34, Level 3, ½-inch ACP Mixture, shall be used for paving Mohawk Blvd. and Olympic St. as shown on the Plans. Hot Mix ACP will be used.

SECTION 00749 - MISCELLANEOUS ASPHALT CONCRETE STRUCTURES

Comply with Section 00749 of the 2018 Oregon Standard Specifications for Construction.

SECTION 00759 – MISCELLANEOUS PORTLAND CEMENT CONCRETE STRUCTURES

Comply with Section 00759 of the 2018 Oregon Standard Specifications for Construction modified as follows:

00759.00 Scope - Add the following to the end of this subsection:

Retrofit Concrete Sidewalk Ramps, Bid Item 38, shall be constructed according to the Plans. Truncated dome panels shall comply with Springfield Standard Drawing 3-30.

00759.02 Required Submittals – Delete this subsection, except for the name and number, and replace it with the following:

Field verify compliance with ADA standards and notify Engineer of any deficiencies.

00759.90 Payment – In the sentence that begins “Aggregate will be paid for... delete “or 00641.90”. Add the following to the end of the paragraph that begins “Item (m) includes...”:
Item (m) also includes:

- restoration work according to 00310.41
- sidewalk transition panels as shown
- aggregate base required for sidewalk ramps, curbs, gutters, and transition panels
- removal and replacement of asphalt concrete pavement adjacent to retrofitted curb ramps

Add the following to the end of the paragraph that begins “Item (o) includes...”:

Items (o) and (p) also include saw cutting of truncated dome panels as required to fit ramps.

SECTION 00850 - COMMON PROVISIONS FOR PAVEMENT MARKINGS

Comply with Section 00850 of the 2018 Oregon Standard Specifications for Construction.

SECTION 00855 - PAVEMENT MARKERS

Comply with Section 00855 of the 2018 Oregon Standard Specifications for Construction modified as follows:

00855.00 Scope - Add the following to the end of this subsection:

See Springfield Standard Drawing 5-21 and plan provided detail sheets for spacing.

SECTION 00856 - SURFACE MOUNTED TUBULAR MARKERS

Comply with Section 00856 of the 2018 Oregon Standard Specifications for Construction modified as follows:

00856.10 Materials – Delete this subsection, except for the number and title, and replace it with the following:

Furnish Bullnose Markers, manufactured by Qwick Kurb, Inc., (813) 645-5072, qwickkurb.com, or approved equal.

SECTION 00860 - LONGITUDINAL PAVEMENT MARKINGS - PAINT

Comply with Section 00860 of the 2018 Oregon Standard Specifications for Construction modified as follows:

00860.00 Scope - Add the following:

Install pavement markings as shown in the Plans and according to Springfield Standard Drawing 5-21.

SECTION 00867 - TRAVERSE PAVEMENT MARKINGS - LEGENDS AND BARS

Comply with Section 00867 of the 2018 Oregon Standard Specifications for Construction modified as follows:

00867.00 Scope – Add the following to the end of this subsection:

All striping shall be completed using City approved thermoplastic material. Contractor shall replace all striping removed or damaged through construction activities. It is the Contractor's responsibility to verify all existing striping locations prior to construction.

See ODOT Standard Drawing TM530 for placement of pavement markings.

00867.45 Installation - Type B: Preformed, Fused Thermoplastic Film - Add the following:

Furnish Type B, Preformed Fused Thermoplastic Film, "Permaline" with SWARCO beads 3130, by Ennis- Flint, or approved equivalent for all Type B: Preformed, Fused Thermoplastic Film items.

00867.45 Installation - Type B-HS: Preformed, Fused Thermoplastic Film High Skid - Add the following:

Furnish Type B-HS, Preformed Fused Thermoplastic Film High Skid, Pre-Mark Vizigrip (Non-Slip), 125 mil, by Ennis-Flint or approved equivalent for all Type B-HS: Preformed, Fused Thermoplastic Film High Skid items.

SECTION 00902 - CROSSWALK CLOSURE SUPPORTS

Section 00902, which is not a Standard Specification, is included for this Project by Special Provision.

Description

00902.00 Scope - This Work consists of constructing crosswalk closure supports as shown.

Materials

00902.10 Materials - Furnish Materials meeting the following requirements:

- Commercial Grade Concrete 00440
- Steel 01070.10 and 01070.12
- Signs..... 00940

Construction

00902.40 General - Construct crosswalk closure supports as shown or directed.

Measurement

00902.80 Measurement - The quantities of crosswalk closure supports will be measured on the unit basis.

Payment

00902.90 Payment - The accepted quantities of Work done under this Section will be paid for at the Contract unit price, per each, for Bid Item 49, Crosswalk Closure Supports.

Payment will be payment in full for furnishing and placing all Materials, and for furnishing all Equipment, labor, and Incidentals necessary to complete the Work as specified.

SECTION 00905 - REMOVAL AND REINSTALLATION OF EXISTING SIGNS

Comply with Section 00905 of the 2018 Oregon Standard Specifications for Construction.

SECTION 00920 - SIGN SUPPORT FOOTINGS

Comply with Section 00920 of the 2018 Oregon Standard Specifications for Construction modified as follows:

00920.10 Materials – Delete “Conduit” from the list of Materials.

00920.80 Measurement - Add the following to the end of this subsection:

The estimated quantities of concrete for Minor Sign Supports are:

Support Type	Quantity
Pipe Sign Supports	1.3 cu. yd.

SECTION 00930 - METAL SIGN SUPPORTS

Comply with Section 00930 of the 2018 Oregon Standard Specifications for Construction modified as follows:

00930.80 Measurement - Add the following to the end of this subsection:

The estimated quantities of structural steel for Minor Sign Supports are as follows:

Item	Estimated Quantity (Pound)
Minor Sign Supports	
Pipe Sign Supports	1,098

SECTION 00940 - SIGNS

Comply with Section 00940 of the 2018 Oregon Standard Specifications for Construction.

SECTION 00950 - REMOVAL OF ELECTRICAL SYSTEMS

Comply with Section 00950 of the 2018 Oregon Standard Specifications for Construction modified as follows:

00950.02 Definitions - Add the following after the electrical systems definition:

The electrical systems to be removed under this Contract include:

- Removal of pushbuttons, ped heads, junction boxes, and associated wiring per plan at the intersections of Mohawk Blvd and G St, Mohawk Blvd and M St, Mohawk Blvd and Olympic St, and Olympic St and 27th St
- Removal of pushbutton and ped heads and associated wiring per plan at the intersections of Mohawk Blvd and Centennial Blvd, Olympic St and 18th St, and Olympic St and 21st St

SECTION 00960 - COMMON PROVISIONS FOR ELECTRICAL SYSTEMS

Comply with Section 00960 of the 2018 Oregon Standard Specifications for Construction modified as follows:

00960.01 Regulations, Standards, and Codes - Delete the paragraph that begins "Wherever reference is made..." and replace it with the following:

Use the code, order, or standard in effect on the date the Project is advertised unless otherwise shown.

Delete the paragraph that begins "Do not begin installations..." and replace it with the following:

Safe wiring labels normally required by the Department of Consumer and Business Services, Building Codes Division will not be required for traffic management systems listed on the Red Sheets as allowed by ORS 479.540 and OAR 918-261-0037. The Red Sheets may be viewed on ODOT's web site.

00960.02 Equipment List and Drawings - Delete this subsection in its entirety and replace it with the following:

00960.02 Equipment List and Drawing Submittals - Within 30 Calendar Days after execution of the Contract, submit two copies of the Blue Sheets and two copies of the Green Sheets for all Materials the Contractor proposes to install. Blue Sheets and Green Sheets will be made available to the Contractor by the Engineer.

Fill out the Blue Sheets and Green Sheets based on the Project requirements. Check off all pre-approved items to be used on the Project. When proposing write-in items, check off the box under "Write-in items" and follow the instructions. Use the current version of the Blue Sheets and Green Sheets that is in effect on the date of Advertisement.

Within 14 Calendar Days after receipt of submittals, the Engineer will review the submittals and designate them in writing as "approved", "approved as noted", or "returned for correction". Do not proceed with the Work before receiving written approval of the submittals from the Engineer.

Add the following subsection:

00960.03 Permits – Provide the Engineer with copies of all required electrical permits prior to performing any Work.

00960.10 Materials - Delete this subsection, except for the number and title, and replace it with the following:

Furnish Materials meeting the following requirements:

- Commercial Grade Concrete00440
- Controlled Low Strength Materials.....00442
- Delineators.....00840.10 and 00840.11
- Metal Illumination and Traffic Signal Supports00962
- Selected General Backfill 00330.13
- Selected Granular Backfill 00330.14
- Steel Reinforcement.....00530

Furnish electrical Materials that have been approved through the Blue Sheet and Green Sheet submittal process in 00960.02.

Anchor rods shall conform to 02560.30 and to the types and sizes shown.

Use commercially available 30 pound non-perforated asphalt-saturated felt where shown.

Use commercially available No. 10 - 0 sand when sand blanket is required.

Use commercially available UL listed insulating vinyl plastic tape where shown.

Use commercially available UL listed silicon bronze (or copper alloy) split bolt where shown.

Use commercially available galvanized steel weatherproof compression fittings where shown.

00960.40 General – Delete this subsection in its entirety and replace it with the following:

00960.40 Excavation:

Remove and replace sidewalks, curbs, paved surfaces, and other Materials as needed. Replace and finish all surfaces to correspond with the existing surfaces. Restore all disturbed landscaping and underground systems to original condition.

Excavate trenches, foundations, and junction boxes to locations, Neat Lines, grades and Cross Sections as shown or as established or approved. Furnish, place, and remove any shoring required to prevent caving of walls.

Dispose of all excavated Materials according to 00290.20.

00960.41 Excavation – Delete this subsection in its entirety and replace it with the following:

00960.41 Horizontal Directional Drilling - Drilling shall not "hump" or deform the Pavement and shall be guided. Keep drilling pits at least 2 feet from the edge of Pavement. Do not use water to the extent that the Pavement might be undermined or Subgrade softened. Sand bedding and marking tape are not required with this method.

If jointed conduit is used, verify the joints have not separated by pulling a mandrel through the conduit after installation.

00960.42 Conduit - Delete this subsection, except for the number and title, and replace it with the following:

(a) **Cleaning New Conduit** – Before cable and wire installation, clean all new conduit with cylindrical mandrel of the proper size for that conduit and blow out with compressed air. Mechanical pulling methods may be used for conduit cleaning.

(b) **Cleaning Existing Conduit** - Before installation of new cable(s) or wire(s) in an existing conduit, temporarily remove all existing cable(s) and wire(s). Clean existing conduit with cylindrical mandrel of the proper size for that conduit and blow out with compressed air. Mechanical pulling methods may be used for conduit cleaning. Stop Work and notify the Engineer immediately if there are any difficulties cleaning the existing conduit. Reinstall existing cable(s) and wire(s) in existing conduit unless otherwise shown.

(c) **Connecting Non-Metallic Conduit to Metallic Conduit** - Use a nonmetallic female threaded connector to connect nonmetallic conduit to metallic conduit.

00960.44 Junction Boxes - Delete this subsection in its entirety.

00960.45 Cable and Wire - Delete this subsection in its entirety.

00960.46 Wiring Practices - Delete this subsection in its entirety.

00960.47 Wood Poles - Delete this subsection in its entirety.

00960.48 Coating - Delete this subsection in its entirety.

00960.49 Electrical Service - Delete this subsection in its entirety.

00960.50 Grounding and Bonding - Delete this subsection, except for the number and title, and replace it with the following:

(a) **General** - Make all ground rods, metal conduit, metal poles, grounding wire, metallic junction boxes, metallic junction box covers, and cabinets mechanically and electrically secure to form a continuous, effectively grounded and bonded system.

(b) **Grounding/Bonding Wire** - Use a THWN No. 6 AWG stranded copper grounding/bonding wire in conduit or as shown. Use an un-insulated No. 4 AWG stranded copper grounding/bonding wire outside of conduit or as shown.

(c) **Ground Rods** - Ground each above ground metallic Structure with a separate ground rod.

(1) **Located in Junction Box** - Install ground rod in a junction box if shown. Drive ground rods into the ground with the top of the ground rod 2 inches to 3 inches above the bottom of the junction box to allow for an accessible clamp.

(2) **Located in Foundation** - Install ground rod in a foundation if shown, with the ground rod 2 inches to 3 inches above the top of the foundation to allow for an accessible clamp.

(d) **Services and Cabinets** - Bond the neutral conductor, the control cabinets, and the metal base to the grounding electrode system.

(e) **Nonmetallic Conduit** - In all nonmetallic conduit, run a ground/bond wire continuously between all poles, pedestals, posts, and cabinets. Bond wires are not required in conduit that only contains circuits that operate at less than 25 volts.

Add the following subsection:

00960.60 Maintenance, Operation and Power Costs - The Agency will continue normal maintenance and operations of the existing systems including the furnishing of electrical energy. Do not use for construction purposes electrical energy billed to the Agency or other agencies.

00960.70 Electrical Energy – Delete this subsection in its entirety and replace it with the following:

00960.70 Service Cabinet and Electrical Energy - Install service cabinet and associated Equipment early on to allow the Utility to schedule its Work before Project completion. Have the service cabinet inspected by the Utility providing power. Arrange for the Utility to make the electrical hookup.

Add the following subsection:

00960.71 As-Built Plans - Upon completion of the installation, submit a red-lined copy of the original Plans noting all changes made. The information furnished shall include all modifications made and shall represent the material installed and in operation. It shall be sufficiently detailed to enable maintenance forces to replace or repair any part of the Project under routine or emergency maintenance by direct reference.

SECTION 00962 - METAL ILLUMINATION AND TRAFFIC SIGNAL SUPPORTS

Comply with Section 00962 of the 2018 Oregon Standard Specifications for Construction modified as follows:

00962.46(j)(2)(d) Final Tightening - In the table, replace the words "ASTM A325" with the words

"ASTM F3125, Grade A325"

00962.46(j)(3) Bolt Inspection - Delete the sentence that begins "The installation will be rejected if..." and replace it with the following sentence:

The installation will be rejected if the geometry does not satisfy the requirements of 02560.05.

SECTION 00970 - HIGHWAY ILLUMINATION

Comply with Section 00970 of the 2018 Oregon Standard Specifications for Construction modified as follows:

00970.90 Payment – Add the following pay item to the pay item list:

<u>Pay Item</u>	<u>Unit of Measurement</u>
(f) Illumination Modification, Mohawk Blvd at 18 th	Lump Sum

After the paragraph that begins "Item (e) includes..." add the following:

Item (f) includes furnishing and installing all items of the illumination system modification as shown.

SECTION 00990 - TRAFFIC SIGNALS

Comply with Section 00990 of the 2018 Oregon Standard Specifications for Construction modified as follows:

00990.00 Scope - Delete this subsection, except for the number and title, and replace it with the following:

In addition to the requirements of Section 00960 and Section 00962, install traffic signals according to the following Specifications.

Add the following subsection:

00990.02 Electrical Materials - Submit all electrical Materials the Contractor proposes to install according to 00960.02.

00990.10 Backer Rod and Loop Sealant – Delete this subsection in its entirety and replace it with the following:

00990.10 Materials - Furnish Materials meeting the following requirements:

Crosswalk Closure Support	00902.10
Backer Rod.....	02440.14

Furnish the following Materials from the QPL:

- Hot-Melt Loop Sealant

Add the following subsections:

00990.11 Traffic Signal Control Devices - The traffic signal controllers and related Equipment shall conform to requirements of the current edition of the ODOT Standard Specification for Microcomputer Signal Controller and errata.

The most current published version of the ODOT Standard Specification for Microcomputer Signal Controller, including all published errata, on ODOT's Traffic Standards website at the time of Advertisement is the version in effect for the Project.

00990.30 Video/Radar Detector Manufacturer's Representative - Provide the services of a manufacturer's representative on-site within 1 week in advance of the anticipated signal completion date to set up devices with Agency electrical crew present.

00990.40 Cable and Wire : Delete this subsection in its entirety.

00990.41 Cabinet : Delete this subsection in its entirety and replace it with the following:

00990.41 Inductive Loop Detectors:

(a) General - Do not begin saw cutting until the loop layout has been inspected by the Engineer.

Do not place wire in saw cuts until the cuts have been inspected by the Engineer.

(b) Saw Cut and Wire Installation - Saw cut in a manner that is the most practicable, direct line between loops and junction boxes.

Immediately after saw cutting and before the cuttings dry, thoroughly flush each cut with a high-pressure water stream. Before the cuts dry, blow cuts free of water, debris, rock, and grit with compressed air. Slots may also be cleaned by means of a high-pressure water injection/vacuum extraction system. Remove rocks or other material that may be wedged in the cut. Remove and dispose of all cuttings according to 00290.20.

Dry cuts before placing wire.

After the saw cut is cleaned of debris, place the loop wire by pushing it into the slot with a blunt nonmetallic object. Use care to avoid damaging the insulation.

(c) Sealant - Install the sealant in slots according to the manufacturer's instructions. Furnish a copy of the manufacturer's specifications including application procedures. The Engineer may order a test run of any application method or material before filling saw cuts.

In order to prevent heat damage to the insulation, do not allow the temperature of the sealant to exceed 410 °F during application. Install hot-melt sealants in layers to prevent damage to wire insulation. Allow each layer to cool before the next layer is installed. Do not use water to accelerate cooling.

Sealants that crack or pull away from the saw cuts after curing will be rejected.

(d) Resistance and Continuity Testing - The resistance to ground of the loop and loop feeder combinations, shall be 500 MΩ or greater when checked at the following conditions:

- Before splicing and sealing - continuity test
- Before splicing after sealing - resistance test
- After splicing and sealing - resistance test

Furnish a report of the resistance and continuity results for each loop at each testing condition.

00990.42 Indication Equipment: Delete this subsection in its entirety and replace it with the following:

00990.42 Controller Cabinet Terminations:

(a) General - Terminate all field wiring to the terminal blocks physically attached to the controller cabinet.

(b) Loop Feeder Cables – When terminating loop feeder cable inside the controller cabinet, do not remove the outside jacket and shield more than 6 inches from the end of the cable. Crimp lugs used for loop wire field terminals may be insulated or non-insulated. Terminate loop feeder shield drain wire to the cabinet input panel grounding bus nearest the feeder wire termination point.

00990.43 Traffic Signal Detection Devices: Delete this subsection in its entirety and replace it with the following:

00990.43 Traffic Control Signs - The type of sign and method of mounting will be as shown. Signs shall conform to the applicable portions of Section 00940.

00990.44 Traffic Control Signs - Delete this subsection in its entirety and replace it with the following:

00990.44 Illumination on Traffic Signal Poles - Install illumination and associated appurtenances on traffic signal poles as shown and according to applicable portions of Section 00970.

Add the following subsection:

00990.45 Signal Covers - Cover mounted vehicle signals and pedestrian signals at all times until the signal installation is ready for continuous operation.

00990.46 Fire Preemption – Delete this subsection in its entirety and replace it with the following:

00990.46 Pushbutton Covers - Cover mounted pushbuttons at all times until the pushbuttons are operational.

Add the following subsection:

00990.60 Cabinet Protection - Keep interiors of all cabinets clean and free of dust, dirt, moisture, and other foreign matter.

00990.70(a) Delivery of Control Equipment - Delete this subsection, except for the number and title, and replace it with the following:

Provide all traffic control signal Equipment for the Project according to the cabinet print(s), including all associated manuals, diagrams, and other documents. The cabinet print(s) will be made available to the Contractor by the Engineer. Deliver all traffic signal control Equipment, including wiring diagrams and operation manuals, in one shipment. Partial shipments will not be accepted and will be returned to the Contractor at no additional cost to the Agency. Include the following information with the Equipment shipments:

- Contractor
- Location
- For controller cabinets, TSSU ID number
- Contract number
- Completed Green Sheets

Deliver the traffic signal control Equipment and information for testing to:

City of Springfield
Operations Division
201 S. 18th St.

00990.70(i) Interconnect System Testing - Delete the title of this subsection and replace it with the following:

Interconnect System Testing for Copper Twisted Pair

00990.80 Measurement - Add the following paragraph to the end of this subsection:

Signs shown on the traffic signal poles, mast arms, or span wires that are shown on the sign and post data table will be measured according to 00930.80 and 00940.80.

00990.90 Payment - Add the following to the end of this subsection:

Signs shown on traffic signal poles, mast arms, or span wires that are shown on the sign and post data table will be paid for according to 00930.90 and 00940.90.

Replace the sentence beginning with "No separate or additional payment will..." with the following:

No separate or additional payment will be made for:

- Replacement of disturbed earthwork, Base and Surfacing
- Illumination and associated appurtenances shown on traffic signal poles.

Crosswalk Closure Supports will be paid for according to 00902.90.

SECTION 01030 - SEEDING

Comply with Section 01030 of the 2018 Oregon Standard Specifications for Construction modified as follows:

01030.13(f) Types of Seed Mixes - Add the following to the end of this subsection:

Provide the following seed mix formulas:

- **Permanent Seeding:**

Botanical Name (Common Name)	PLS (lb/acre)	÷ (% Purity (minimum)	x % Germination) (minimum)	= Amount (lb/acre)
Hordeum vulgare var Poco (Poco Barley)	52.24	_____	_____	_____
Hordeum brachyantherum (Meadow Barley)	36.57	_____	_____	_____
Bromus carinatus (California Brome)	23.51	_____	_____	_____
Festuca idahoensis romerii (Roemer's Fescue)	7.18	_____	_____	_____
Trifolium fragiferum (Strawberry Clover)	5.22	_____	_____	_____
Clarkia amonea (Farewell to Spring)	1.96	_____	_____	_____
Oenothera elata hookeri (Hooker's Evening Primrose)	1.96	_____	_____	_____
Deschampsia caespitosa				

(Tufted Hairgrass)	1.31	_____	_____	_____
Agrostis exerata				
(Spike Bentgrass)	0.65	_____	_____	_____

SECTION 01040 - PLANTING

Comply with Section 01040 of the 2018 Oregon Standard Specifications for Construction modified as follows:

01040.80(b) Topsoil and Wetland Topsoil - Delete the sentence that begins "Topsoil and Wetland Topsoil will be measured..." and replace it with the following:

Topsoil and Wetland Topsoil will be measured on the volume basis at the time of placement. Trucking invoices may be used to determine volumes if the quantities are verifiable to the satisfaction of the Engineer.

01040.80(f) Mulch - Delete this subsection, except for the number and title, and replace it with the following:

Mulch will be measured on the volume basis at the time of placement, or on the weight basis. Trucking invoices may be used to determine volumes if the quantities are verifiable to the satisfaction of the Engineer.

01040.90(d) Plant Materials - Delete the sentence that begins "Partial payments for plant Materials will..." and the partial payment table and replace it with the following sentence and table:

Partial payments for plant Materials will be made as follows:

At the time of the original planting.....	60%
After the first plant establishment inspection	10%
After the second plant establishment inspection	10%
After the third plant establishment inspection	10%
At completion of the establishment period.....	10%

SECTION 01050 - FENCES

Comply with Section 01050 of the 2018 Oregon Standard Specifications for Construction.

SECTION 02040 – CHEMICAL ADMIXTURES

Comply with Section 02040 of the 2018 Oregon Standard Specifications for Construction modified as follows:

02040.10 Materials - Delete this subsection, except for the number and title, and replace it with the following:

Furnish admixtures from the QPL.

SECTION 02050 – CURING MATERIALS

Comply with Section 02050 of the 2018 Oregon Standard Specifications for Construction modified as follows:

02050.10 Liquid Compounds - Delete the sentence that begins "Furnish liquid membrane-forming curing..." and replace it with the following:

Furnish liquid membrane-forming curing compounds from the QPL and meeting the requirements of ASTM C309.

Delete the sentence that begins "Before using liquid compounds, submit...".

02050.20 Polyethylene Films - Delete the sentence that begins "Furnish clear or white..." and replace it with the following:

Furnish clear or white polyethylene films for curing concrete meeting the requirements of ASTM C171.

SECTION 02510 - REINFORCEMENT

Comply with Section 02510 of the 2018 Oregon Standard Specifications for Construction modified as follows:

02510.10 Deformed Bar Reinforcement - Delete this subsection, except for the number and title, and replace it with the following:

Furnish deformed bar reinforcement from the QPL and conforming to the requirements of ASTM A 706, AASHTO M31 (ASTM A615), or AASHTO M334 (ASTM A1035 CS). Unless otherwise specified or shown, all reinforcing bars shall be Grade 60.

02510.20 Mechanical Splices - Delete this subsection, except for the number and title, and replace it with the following:

Furnish mechanical splices from the QPL. Where bars of different sizes or strengths are connected, the governing strength shall be the strength of the smaller or weaker bar.

- Type 1 Mechanical Splices - Furnish Type 1 Mechanical Splices that develop at least 125 percent of the specified minimum yield strength of the reinforcing bars. Type 1 Mechanical Splices are not allowed for column bars.
- Type 2 Mechanical Splices - Furnish Type 2 Mechanical Splices that develop at least 125 percent of the specified minimum yield strength of the reinforcing bars and 100 percent of the specified tensile strength of the reinforcing bars.
- Total slip displacement - Measure displacement after loading in tension to 30.0 ksi and relaxing to 3.0 ksi. The displacement for bars up to No. 14 shall not exceed 0.01 inches. The displacement for No. 18 bar shall not exceed 0.03 inches.

02510.25 Headed Bar Reinforcement - Delete the sentence that begins "Ferrous-filler coupling sleeves, forged headed..." and replace it with the following:

Ferrous-filler coupling sleeves and welded headed steel bars are not allowed for concrete reinforcement.

SECTION 02530 - STRUCTURAL STEEL

Comply with Section 02530 of the 2018 Oregon Standard Specifications for Construction modified as follows:

02530.70 Galvanizing - Delete the sentence that begins "The silicon content shall be in either..." and replace it with the following:

The silicon content shall be in either of the ranges 0 - 0.06 percent or 0.13 - 0.25 percent.

SECTION 02560 - FASTENERS

Comply with Section 02560 of the 2018 Oregon Standard Specifications for Construction modified as follows:

Add the following subsection:

02560.05 Geometry - Bolt or rod length used shall be such that the end of the bolt or rod extends beyond or is at least flush with the outer face of the nut when properly installed.

02560.10(b) Nuts– Delete this subsection, except for the number and title, and replace it with following:

Nuts for carbon steel bolts shall conform to the requirements of the following, or equivalent:

Plain (Noncoated) Bolts:

- 1/4" - 1 1/2" - ASTM A563, Grade A, Hex
- Over 1 1/2" - 4" - ASTM A563, Grade A, Heavy Hex

Galvanized Bolts:

- All - ASTM A563, Grade A, C, D, or DH, Heavy Hex

02560.20(a) Bolts – Delete this subsection, except for the number and title, and replace it with following:

High-strength bolts used in noncoated weathering steel connections shall be Type 3. High-strength bolts shall conform to the requirements of the following:

Heavy Hex Head:

- ASTM F3125, Grade A325

Twist-Off:

- ASTM F3125, Grade F1852

(b) Nuts – Delete this subsection, except for the number and title, and replace it with following:

Nuts for high-strength bolts shall conform to the requirements of the following, or equivalent:

Type 1 Plain (Noncoated) Bolts:

- All - Heavy Hex ASTM A563, Grade C, D, or DH

Type 1 Galvanized Bolts:

- All - Heavy Hex ASTM A563, Grade DH

Type 3 Bolts:

- All - Heavy Hex ASTM A563, Grade C3 or DH3

(f) Lock-Pin and Collar Fasteners - Delete this subsection in its entirety.

02560.30(c) Nuts – Delete this subsection, except for the number and title, and replace it with following:

Nuts for tie rods, anchor bolts, and anchor rods shall conform to the requirements of the following, or equivalent:

Plain Steel Tie Rods, Anchor Bolts, and Anchor Rods:

- All - Heavy Hex ASTM A563, Grade A

Galvanized Steel Tie Rods, Anchor Bolts, and Anchor Rods:

- All - Heavy Hex ASTM A563, Grade A, C, D, or DH

Plain Or Galvanized High-Strength Tie Rods, Anchor Bolts, or Anchor Rods:

- All - Heavy Hex ASTM A563, Grade DH

02560.40 Galvanizing and Coating - Delete this subsection, except for the number and title, and replace it with the following:

(a) High Strength Fasteners - When specified, hot-dip galvanize Grade A325 fasteners or mechanically deposit zinc to Grade F1852 fasteners according to ASTM F3125.

(b) Tie Rods, Anchor Bolts, Anchor Rods and Carbon Fasteners - Hot-dip galvanize, tie rods, anchor bolts, anchor rods, nuts, washers and carbon fasteners according to ASTM F2329 as appropriate to the product.

Overtap nuts for galvanized fasteners, galvanized tie rods, galvanized anchor bolts, and galvanized anchor rods according to ASTM A563.

Measure the zinc thickness on the wrench flats or top of bolt head of galvanized bolts and on the wrench flats of galvanized nuts.

(c) Direct Tension Indicators – When specified, apply mechanically deposited zinc according to ASTM F959.

(d) Repair of Hot-Dip Galvanizing - Repair damaged hot-dip galvanizing according to ASTM A780. Minimum zinc content for Method A2 is 94 percent on the dry film.

02560.60(b) Other Test Requirements - In the paragraph that begins "Wedge test all bolts according..." replace the words "AASHTO M 164 (ASTM A325)" with the words "ASTM F3125, Grade A325 or Grade F1852".

02560.70 Lubricating Fasteners - Delete this subsection, except for the number and title, and replace it with the following:

Furnish all galvanized and coated fasteners with a factory applied commercial water-soluble wax that contains a visible dye of a color that contrasts with the color of galvanizing or coating. Black fasteners shall be "oily" to the touch when installed.

Field lubricate galvanized bolts in tapped holes, galvanized anchor rods, and galvanized tie rods with a lubricant from the QPL. Apply lubricant to threads and to bearing surfaces that will turn during installation.

Protect fasteners from dirt and moisture at the Project site.

Retest heavy hex head fasteners that do not pass the field rotational capacity test. Clean and relubricate heavy hex head fasteners with a lubricant from the QPL prior to retesting.

Relubrication of Twist-Off fasteners is not permitted.

SECTION 02910 - SIGN MATERIALS

Comply with Section 02910 of the 2018 Oregon Standard Specifications for Construction modified as follows:

02910.20 Reflective and Retroreflective Sheeting - Delete the title of this subsection and replace it with the following:

“Retroreflective Sheeting”

02910.20(a) General - Delete the paragraph that begins “Use retroreflective sheeting Type...” and replace it with the following:

Use retroreflective sheeting from the QPL and the following:

02910.32(b) Retroreflective Sheeting Legend – Delete the paragraph that begins “The Silver-white or white letters...” and replace it with the following:

Removable legend shall be fabricated with sheeting conforming to 02910.20 that is permanently adhered to a flat aluminum frame.

02910.40 Hardware - Delete the paragraph that begins "The bolts, nuts, and washers..." and replace it with the following:

The bolts, nuts, and washers used to fabricate and erect signs shall be aluminum alloy, stainless steel, or hot-dip galvanized steel. Aluminum for bolts and nuts shall conform to ASTM B211, alloys 2024-T4 or 6061-T6 as the Contractor elects. Aluminum washers shall conform to ASTM B209, alloy Alclad 2024-T4. Stainless steel for bolts, nuts, and washers shall be Type 304 or Type 316. Galvanized steel bolts, nuts and washers shall be medium carbon steel. Galvanize steel hardware according to AASHTO M 232 (ASTM A153).

02910.75(a) Warranty Period – Delete the bullet that begins “For retroreflective Type III and Type IV ...” and replace it with the following:

- For retroreflective ASTM Type III and Type IV sheeting used for permanent signs, the warranty period shall be for 10 years.

Delete the bullet that begins “For retroreflective Type IX sheeting used ...” and replace it with the following:

- For retroreflective ASTM Type IX and Type XI sheeting used for permanent signs, the warranty period shall be for 12 years.

02910.75(b) Failure – Delete the bullet that begins “70 percent of minimum coefficient...” and replace it with the following:

- 70 percent of minimum coefficient of retroreflection for designated sheeting or cuttable film according to ASTM D4956 for the remaining 3 years of the warranty period for Type III and Type IV sheeting and remaining 5 years of the warranty period for Type IX and Type XI sheeting.

02910.75(c) Remedy – Delete the bullet that begins “For the remaining 3 years ...” and replace it with the following:

- For the remaining 3 years (5 years for ASTM Type IX and Type XI sheeting), furnish replacement sheeting required to restore the sign panel to a condition that meets the Specifications.

SECTION 02926 - HIGHWAY ILLUMINATION MATERIALS

Comply with Section 02926 of the 2018 Oregon Standard Specifications for Construction modified as follows:

02926.00 Scope - Delete this subsection, except for the number and title, and replace it with the following:

In addition to all applicable portions of AASHTO "Roadway Lighting Design Guide" (2018) and "Recommended Practice for Lighting Roadway and Parking Facilities" (ANSI/IES, RP - 8, 2018), this Section includes the requirements for highway illumination installations.

02926.41(e) Photoelectric Relay - Delete the paragraph that begins "Power consumption shall be..." and replace it with the following:

Power consumption shall be less than 1 W. At the designated voltage, the photoelectric relay shall be capable of controlling a minimum HID or LED luminaire load of 1000 W. Minimum operating temperature range shall be from -40 °F to 150 °F.

02926.53(b)(1) Vertical Light Distributions - Delete this subsection, except for the number and title, and replace it with the following:

Divide vertical light distributions into three groups: short (S), medium (M), and long (L). Classification of the three groups depends on the maximum candle power point within a grid area according to the ANSI/IES RP-8 (2018) publication.

SECTION 03010 – FENCING MATERIALS

Comply with Section 03010 of the 2018 Oregon Standard Specifications for Construction modified as follows:

03010.50(b) Posts, Braces, and Appurtenances for Chain Link Fence - Delete this subsection, except for the number and title, and replace it with the following:

Posts, braces, and appurtenances for chain link fence shall conform to the requirements of AASHTO M 181.

Posts, braces, and appurtenances for bridge protective fence shall conform to the requirements of AASHTO M 181, Grade 1, ASTM F1083 and ASTM F1043, Group IA-2.

END OF SECTION