



CONTRACT DOCUMENTS FOR

ST-22-01

QUEEN AVENUE REHABILITATION: CITY LIMITS TO PACIFIC BOULEVARD

Issue Date: January 9, 2023

Due Date: 2:00 p.m., Tuesday, January 31, 2023

Public Works Director Chris Bailey
City Engineer..... Staci Belcastro, P.E.
Project Engineer..... Chris Cerklewski, P.E.

**For more information on this project,
contact Chris Cerklewski, 541-917-7646.**

CITY OF ALBANY

ST-22-01, Queen Avenue Rehabilitation: City Limits to Pacific Boulevard

TABLE OF CONTENTS

TABLE OF CONTENTS.....1

BIDDER’S SUBMITTAL CHECKLIST2

INVITATION TO BID.....3

PROPOSAL.....4

SCHEDULE OF CONTRACT PRICES.....7

BID BOND15

EMPLOYEE DRUG TESTING PROGRAM CERTIFICATION.....16

FIRST-TIER SUBCONTRACTOR DISCLOSURE.....17

SAMPLE CONTRACT18

PERFORMANCE BOND.....20

PAYMENT BOND.....22

RETAINAGE ELECTION24

SPECIAL PROVISIONS.....25

 SECTION I: GENERAL REQUIREMENTS AND TECHNICAL SPECIFICATIONS.....25

 SECTION II: STATE AND FEDERAL CONTRACTING LAW.....35

 SECTION III: TECHNICAL SPECIFICATIONS – BID ITEMS.....39

LIST OF APPENDICES65

CONSTRUCTION DRAWINGS (sized 11” x 17” - *attached as separate file*)

BIDDER'S SUBMITTAL CHECKLIST

Any bid submitted after the designated closing time or to any other location will be determined nonresponsive and will not be opened. It is the responsibility of the Bidder to deliver the bid by the indicated deadline to the designated location, as indicated in the Invitation to Bid. The City is not responsible for late or mishandled delivery.

If contractor obtains these documents by means of a website or copied from a Plan Center, it is the responsibility of the contractor to check for addenda to this contract prior to bid opening. To be notified of addenda, contractor may email pw.quotes@cityofalbany.net and request to be added to the Plan Holder's list.

Failure to include any signed addenda could result in the disqualification of your bid.

All bids must be submitted on City-provided forms that do not contain unauthorized alterations. Bids should be received in non-editable PDF format. The total size limit for each email submittal response should be less than 20 MB. An automated response will be generated back to the sender stating, "Proposal has been received by the City." If you do not receive a notification, you may contact Diane Murzynski at contracts@cityofalbany.net or 541-917-7522. Bidders should submit responses within a reasonable amount of time before the bid opening date and time to ensure timely email delivery.

A scanned copy of a bid bond is acceptable for the purposes of the bid opening.

All bids must include the following submittals or may be considered nonresponsive:

- Signed Proposal (*two pages*) – *with all applicable blanks completed*
- Completed Schedule of Contract Prices – *signed by an authorized representative of the company who can "execute bids"*
- Bid Bond – *using City-provided Bid Bond form with no alterations*
- Employee Drug Testing Program Certification form
- Retainage Election form (*Applicable if greater than \$500,000*)
- Pay Equity Training Certificate (*Applicable if greater than \$500,000*)
- Addenda Acknowledgement (*acknowledge on Proposal if addenda have been issued*)

Submitted within two hours after bid closing time (required under ORS 279C.370):

- First-Tier Subcontractor Disclosure form – signed and if "none" indicate as such

Other than what is listed above, it is not necessary to submit any additional pages with the bid.



NOTICE TO CONTRACTORS
CITY OF ALBANY
INVITATION TO BID

Category of Bid: Construction
Engineer's Estimate: \$6,300,000
Bids due at 2:00 p.m., Tuesday, January 31, 2023

The City of Albany hereby extends an invitation to submit bids for:

ST-22-01, Queen Avenue Rehabilitation: City Limits to Pacific Boulevard: This project includes approximately 5,600 linear feet of asphalt pavement rehabilitation on Queen Avenue between the city limits and Pacific Boulevard and Elm Street between 16th Avenue and 18th Avenue, including storm drain replacements, new curb ramps and sidewalk repairs; approximately 3,500 linear feet of 12-inch and 8-inch ductile iron water line on Queen Avenue between Liberty Street and Ferry Street; and related appurtenances.

Bids must be submitted to Diane Murzynski in the Finance Department at procurement@cityofalbany.net **not later than 2:00 p.m. (Pacific Time), Tuesday, January 31, 2023**. Bids will be considered time-stamped and received by the City when received in the procurement email inbox. The email subject line must include the project number and name as follows: **ST-22-01, Queen Avenue Rehabilitation: City Limits to Pacific Boulevard**. The body of the email must plainly identify (1) the project name, (2) the bid opening time and date, (3) the bidder's name, and (4) the contractor's license number (per ORS 701). Immediately following the filing deadline, the bids will be opened and publicly read using a virtual hosted meeting, <https://global.gotomeeting.com/join/623409989>. Interested parties can also dial in using their phones (1-571-317-3122, access code 623-409-989). Bid totals will be posted on the City's website at <https://cityofalbany.net/bids>.

Contract bid documents may be downloaded from the City of Albany website at <https://cityofalbany.net/bids>. It is imperative those who download the contract bid documents check the website regularly for addenda, clarifications, and other pertinent notifications. All who are known by the City of Albany to have received a complete set of the contract bid documents will receive notification when additional items are posted. Please email pw.quotes@cityofalbany.net to be added to the Plan Holder's list.

Each bidder must have access to a current set of City of Albany *Standard Construction Specifications*, which can be found on the City's website at <https://www.cityofalbany.net/standard-construction-specifications>. All public improvements are required to conform to these specifications and bid prices must reflect these specifications. For project information, call Chris Cerklewski at 541-917-7646.

All City contracts contain a statement declaring the bidder agrees to comply with the provisions of ORS 279C.800 through 279C.870 regarding payment of prevailing wages. The City's contract contains a clause which incorporates by reference all of the provisions of ORS Chapter 279C which are applicable to public contracts. Bidders are expected to be familiar with these provisions including, but not limited to, recent changes to ORS Chapter 279C.

No bid will be received or considered unless the bidder is licensed by the Construction Contractors Board for construction projects or licensed with the State Landscape Contractors Board for landscaping projects.

A 10% bid bond, certified check, or cashier's check must accompany each bid on all projects and must be forfeited if the bidder fails to enter into a contract with the City of Albany within 10 days after the date of the Notice of Award. A scanned copy must be submitted with the bid.

DATED this 9th day of January, 2023.

Diane M. Murzynski, NIGP-CPP, CPPO, CPPB
Purchasing Coordinator

PUBLISH: Daily Journal of Commerce on Monday, January 9, 2023
Albany Democrat-Herald on Monday, January 9, 2023

PROPOSAL

To the Honorable Mayor and City Council
Albany, Oregon 97321

BIDDER'S DECLARATION AND UNDERSTANDING

The undersigned Bidder declares that the Contract Documents for the construction of the proposed improvement have been carefully examined; that the site has been personally inspected; that the Bidder is satisfied as to the quantities of materials, items of equipment, and conditions or work involved including the fact that the description of the quantities of work and materials as included herein is brief and is intended only to indicate the general nature of such items and to identify the said quantities with the detailed requirements of the Contract Documents; and that the Bidder's proposal is made according to the provisions and under the terms of the Contract Documents, which documents are hereby made a part of this proposal.

The Bidder further declares that the only persons or parties interested in this proposal are those named herein, that this proposal is in all respects fair and without fraud, that it is made without collusion with any official of the City of Albany, and that the proposal is made without any connection or collusion with any person making another proposal on this Contract. The Bidder, and each person signing on behalf of the Bidder, certifies they do not have a personal or organizational conflict of interest and have not participated in drafting the scope of work or writing the specifications required for the project.

The Bidder further declares, by signing this proposal, that all the provisions required by ORS 279C.800 through 279C.870 relating to the payment of prevailing wage rates for work performed under the Contract with the City of Albany must be complied with.

The Bidder further agrees that its own judgment has been exercised regarding the interpretation of subsurface information and all data which it believes pertinent from the Engineer, Owner, and other sources in arriving at these conclusions have been utilized.

The bidder further certifies that they have authority and knowledge regarding the payment of taxes and that to the best of their knowledge are not in violation of any Oregon Tax Laws as provided for in ORS 305.385(6). For purposes of this certification, "Oregon Tax Laws" are those tax laws imposed by ORS 320.005 to 320.150 and ORS 403.200 to 403.250 and ORS Chapters 118, 314, 316, 317, 318, 321, and 323; the elderly rental assistance program under ORS 310.630 to 310.706; and any local tax laws administered by the Oregon Department of Revenue under ORS 305.620.

CONTRACT EXECUTION, BONDS, AND INSURANCE

The Bidder agrees that if this proposal is accepted:

- A contract with the City of Albany, Oregon, will be executed, within 10 days after the date of the Notice of Award, in the form of Contract annexed hereto, and will at that time, deliver to the City of Albany the 100 percent Performance Bond and 100 percent Payment Bond, and will, to the extent of this proposal, furnish all machinery, tools, apparatus, and other means of construction and do the work and furnish all the materials necessary to complete all work as specified or shown in the Contract Documents.
- A Request for Taxpayer Identification Number and Certification (W-9) will be completed as a condition of the City's obligation to make payment. In the event the Bidder shall fail to complete and return the W-9 to the City, payment to Bidder may be delayed, or the City may, in its discretion, terminate the Contract.
- Automatic Clearing House (ACH) Direct Payment Authorization. The City prefers to pay Contractor invoices via electronic funds transfers through the ACH network. To initiate this more timely, efficient, and secure payment method, Contractors must complete the City's ACH Vendor Direct Payment Authorization Form. This form is available on the City website at https://www.cityofalbany.net/images/stories/finance/eft_form.pdf. Information provided on the form is exempt from public records disclosure under ORS 192.501(27).
- **For contracts that exceed \$500,000, Contractor must elect retainage to be held in an interest-bearing escrow account, or an alternate method in lieu of cash retainage as a condition of payment and as required by ORS 279C.570(2).** Contractor must complete an Escrow Account Agreement if funds are to be held in an interest-bearing account, otherwise Contractor must provide a deposit of bonds, securities or other instruments, or Contractor must provide a surety bond in an amount equal to five percent of the total bid. City may recover from Contractor additional costs incurred in the handling of retainage alternatives, whether a deposit of bonds, securities, or other instruments, surety bond, or for an interest-bearing account, ORS 279C.560(3).

CERTIFICATES OF INSURANCE

The Bidder agrees to furnish the Owner, before commencing the work under this Contract, the certificates of insurance as specified in the *Standard Construction Specifications*.

ADDENDA ACKNOWLEDGEMENT No(s). ___ Dated _____ No(s). ___ Dated _____ No(s)___ Dated _____
No(s). ___ Dated _____ No(s)___ Dated _____ No(s)___ Dated _____

START OF CONSTRUCTION AND CONTRACT COMPLETION DATE

If awarded this contract, the Bidder agrees to begin work within 10 calendar days after the date of the Notice to Proceed for the Contract and to complete the construction, in all respects, as set forth in the Special Provisions of these Contract Documents.

LIQUIDATED DAMAGES

In the event the Bidder is awarded the Contract and fails to complete the work within the time stated above or extended time agreed upon, as more particularly set forth in the Contract Documents, liquidated damages must be paid to the City of Albany, Oregon, as provided under General Requirements, Subsection 108.06.00 of the City of Albany *Standard Construction Specifications*.

BID BOND

Accompanying this proposal is a certified check, cashier’s check, or Bidder’s bond in the sum of (10% of Bid Total) _____ Dollars (\$_____), according to the General Requirements of the Contract Documents which is to be forfeited as liquidated damages, if, in the event this proposal is accepted, and the Bidder fails to execute the Contract and furnish satisfactory Performance and Payment Bond under the conditions and within the time specified in the Contract Documents; otherwise said check or bond is to be returned to the Bidder.

SURETY

If the Bidder is awarded a construction Contract on this proposal, the Surety who provides the Performance Bond will be _____ whose address is (street and city) _____ and Payment Bond will be _____ whose address is (street and city) _____.

LUMP SUM OR UNIT PRICE WORK

The Bidder further proposes to accept as full payment for the work proposed herein the amounts computed under the provisions of the Contract Documents and based on the following lump-sum or unit-price amounts, it being expressly understood that the unit prices are independent of the exact quantities involved. The Bidder agrees that the lump-sum prices and the unit prices represent a true measure of the labor and materials required to perform the work, including all allowances for overhead and profit for each type and unit of work called for in these Contract Documents.

BIDDER

The name of the Bidder submitting this proposal is _____ doing business at (street and city) _____, which is the address to which all communications concerned with this proposal and with the Contract must be sent.

In accordance with ORS 279A.120, Bidder hereby declares that it (**circle correct designation**) is / is not a resident bidder. The names of the principal officers of the corporation submitting this proposal, or of the partnership, or of all persons interested in this proposal as principals are as follows:

If Sole Proprietor or Partnership: IN WITNESS hereto the undersigned has set his/her hand this _____ day of _____ 2023.

Signature of Bidder Title

If Corporation: IN WITNESS WHEREOF the undersigned corporation has duly authorized the execution of this agreement on behalf of the corporation by the officer named below this _____ day of _____ 2023.

name of corporation

By: _____

Name: _____
(please print name)

Title: _____

SCHEDULE OF CONTRACT PRICES

ITEM NO.	BID ITEMS	APPROX. QUANTITY	UNIT OF MEASURE	UNIT PRICE DOLLARS/CTS	TOTAL AMT. DOLLARS/CTS
SCHEDULE A					
A-1	Mobilization	1	Lump Sum		
A-2	Temporary Traffic Control	1	Lump Sum		
A-3	Erosion Prevention and Sediment Control	1	Lump Sum		
A-4	Unclassified Excavation	2800	Cubic Yard		
A-5	Overexcavation and Foundation Stabilization	2200	Cubic Yard		
A-6	2-Inch Cold Plane Pavement Removal	15700	Square Yard		
A-7	Fine Grade Existing Aggregate Base	10700	Square Yard		
A-8	Emulsified Asphalt Tack Coat	37000	Square Yard		
A-9	3/8-Inch Warm-Mix Asphalt Concrete	3000	Ton		
A-10	1/2-Inch Warm-Mix Asphalt Concrete	4250	Ton		
A-11	Side Street Paving	17	Each		
A-12	Asphalt Trench Patch	1000	Ton		
A-13	Construct PCC Valley Gutter	1	Lump Sum		
A-14	Remove and Replace Standard Curb and Gutter	2200	Linear Foot		
A-15	Remove and Replace Straight Curb	130	Linear Foot		
A-16	Remove and Replace 4-Inch PCC Sidewalk	1650	Square Yard		
A-17	Remove and Replace 6-Inch PCC Driveway Approach	80	Square Yard		
A-18	Remove and Replace 8-Inch PCC Driveway Approach	200	Square Yard		
A-19	Detectable Warning Surface	648	Square Foot		
A-20	8-Inch PVC Storm Drain	25	Linear Foot		
A-21	10-Inch PVC Storm Drain	970	Linear Foot		
A-22	16-Inch PVC Storm Drain	130	Linear Foot		
A-23	18-Inch PVC Storm Drain	25	Linear Foot		

REPLACED BY ADDENDUM #1

ITEM NO.	BID ITEMS	APPROX. QUANTITY	UNIT OF MEASURE	UNIT PRICE DOLLARS/CTS	TOTAL AMT. DOLLARS/CTS
A-24	24-Inch PVC Storm Drain	290	Linear Foot		
A-25	8-Inch D.I.Storm Drain	130	Linear Foot		
A-26	10-Inch D.I.Storm Drain	390	Linear Foot		
A-27	16-Inch D.I.Storm Drain	260	Linear Foot		
A-28	18-Inch D.I.Storm Drain	55	Linear Foot		
A-29	15-Inch RCP Storm Drain	55	Linear Foot		
A-30	4-Inch Perforated PVC Storm Drain	70	Linear Foot		
A-31	6-Inch Perforated PVC Storm Drain	100	Linear Foot		
A-32	6-Inch PVC Storm Drain Service	5	Each		
A-33	Install Property Line Cleanout	3	Each		
A-34	Connect To Existing 6-Inch D.I.Storm Drain Service	1	Lump Sum		
A-35	Curb Drain	50	Linear Foot		
A-36	Adjust Manhole Rim to Grade	52	Each		
A-37	Adjust Water Fixtures to Grade	1	Lump Sum		
A-38	24-Inch Mini-Manhole	5	Each		
A-39	Shallow Precast Manhole	14	Each		
A-40	Shallow Cast-In-Place Base Manhole	5	Each		
A-41	Standard Precast Manhole	3	Each		
A-42	60-Inch Precast Manhole	1	Each		
A-43	60-Inch Cast-In-Place Base Manhole	3	Each		
A-44	72-Inch Hydrodynamic Separator	1	Lump Sum		
A-45	Connect to Existing Manhole	1	Each		
A-46	Remove and Replace Curb Inlet Top	2	Each		
A-47	Standard Curb Inlet	13	Each		

ITEM NO.	BID ITEMS	APPROX. QUANTITY	UNIT OF MEASURE	UNIT PRICE DOLLARS/CTS	TOTAL AMT. DOLLARS/CTS
A-48	Catch Basin	45	Each		
A-49	Install Underground Utility Support	1	Each		
A-50	Remove Existing Storm Drain	625	Linear Foot		
A-51	Remove Existing Catch Basin	43	Each		
A-52	Remove Existing Manhole	7	Each		
A-53	Abandon Existing Storm Drain	955	Linear Foot		
A-54	Abandon 10-Inch Storm Drain Connection	2	Each		
A-55	Abandon Existing Manhole	1	Each		
A-56	4-Inch Yellow Non-Profiled Thermoplastic Stripe	12000	Linear Foot		
A-57	8-Inch White Non-Profiled Thermoplastic Stripe	12,900	Linear Foot		
A-58	12-Inch White Non-Profiled Thermoplastic Stripe	1280	Linear Foot		
A-59	Thermoplastic Bicycle Lane Legend	36	Each		
A-60	Thermoplastic School Legend	3	Each		
A-61	Thermoplastic Single Arrow Legend	49	Each		
A-62	Thermoplastic Double Arrow Legend	4	Each		
A-63	Raised Reflectorized Pavement Marker	325	Each		
A-64	Painted Yellow Curb	45	Linear Foot		
A-65	Remove Existing Striping	1	Lump Sum		
A-66	Install New Street Signs	1	Lump Sum		
A-67	Relocate Existing Street Sign	14	Each		
A-68	Relocate Existing Cluster Mailbox Unit	1	Each		
A-69	Install RRFB Pedestrian Crossing at Broadway Street	1	Lump Sum		
A-70	Install RRFB Pedestrian Crossing at Umatilla Street	1	Lump Sum		
A-71	Modify and Restore Traffic Signal	1	Lump Sum		

ITEM NO.	BID ITEMS	APPROX. QUANTITY	UNIT OF MEASURE	UNIT PRICE DOLLARS/CTS	TOTAL AMT. DOLLARS/CTS
A-72	General Landscape Restoration	1	Lump Sum		
A-73	Early Completion Bonus	30	Day	\$2,500	\$75,000
TOTAL SCHEDULE A					
SCHEDULE B					
B-1	Mobilization	1	Lump Sum		
B-2	Temporary Traffic Control	1	Lump Sum		
B-3	Erosion Prevention and Sediment Control	1	Lump Sum		
B-4	Jack-and-Bore 24-Inch Steel Casing with 12-Inch Ductile Iron Water Line	140	Linear Foot		
B-5	16-Inch Ductile Iron Water Line	60	Linear Foot		
B-6	12-Inch Ductile Iron Water Line	2420	Linear Foot		
B-7	8-Inch Ductile Iron Water Line	2050	Linear Foot		
B-8	16-Inch Butterfly Valve	2	Each		
B-9	12-Inch Butterfly Valve	11	Each		
B-10	10-Inch Butterfly Valve	1	Each		
B-11	12-Inch Gate Valve	13	Each		
B-12	6-Inch Gate Valve	11	Each		
B-13	4-Inch Gate Valve	3	Each		
B-14	1-Inch Combination Air/Vacuum Release Valve	2	Each		
B-15	Standard 1-Inch Service Assembly	35	Each		
B-16	Expose Existing 2-Inch Service	1	Lump Sum		
B-17	Standard Fire Hydrant Assembly	9	Each		
B-18	Remove Existing Fire Hydrant Assembly	4	Each		
B-19	Coordinate 10-Inch × 8-Inch Live Tap	1	Lump Sum		
B-20	Construct Concrete Thrust Block	8	Each		

ITEM NO.	BID ITEMS	APPROX. QUANTITY	UNIT OF MEASURE	UNIT PRICE DOLLARS/CTS	TOTAL AMT. DOLLARS/CTS
B-21	16-Inch × 16-Inch Connection Assembly	2	Each		
B-22	12-Inch × 12-Inch × 8-Inch Connection Assembly	1	Lump Sum		
B-23	12-Inch × 12-Inch Connection Assembly	3	Each		
B-24	12-Inch × 6-Inch Connection Assembly	1	Lump Sum		
B-25	12-Inch × 2-Inch Connection Assembly	1	Lump Sum		
B-26	8-Inch × 8-Inch Connection Assembly	4	Each		
B-27	8-Inch × 4-Inch Connection Assembly	2	Each		
B-28	2-Inch x 1-1/2-Inch Connection Assembly	1	Lump Sum		
B-29	Cut-In 24-Inch x 8-Inch Cross	1	Lump Sum		
B-30	Cut-In 12-Inch x 12-Inch Tee	1	Lump Sum		
B-31	Cut-In 12-Inch x 8-Inch Cross	1	Lump Sum		
B-32	Cut-In 10-Inch x 10-Inch Tee	1	Lump Sum		
B-33	Cut-In 8-Inch x 6-Inch Tee	1	Lump Sum		
B-34	Install 32# Sacrificial Anode	29	Each		
B-35	Install 17# Sacrificial Anode on Existing Service	27	Each		
B-36	Install Underground Utility Support	4	Each		
B-37	Asphalt Trench Patch	1000	Ton		
B-38	Remove and Replace Standard Curb and Gutter	400	Linear Foot		
B-39	Remove and Replace 4-Inch PCC Sidewalk	400	Square Yard		
B-40	Remove and Replace 8-Inch PCC Driveway Approach	50	Square Yard		
B-41	Abandon 24-Inch x 12-Inch Connection	2	Each		
B-42	Abandon 12-Inch x 10-Inch Connection	1	Lump Sum		
B-43	Abandon 10-Inch x 6-Inch Connection	1	Lump Sum		
B-44	Abandon Existing 1-Inch Water Service	1	Lump Sum		

ITEM NO.	BID ITEMS	APPROX. QUANTITY	UNIT OF MEASURE	UNIT PRICE DOLLARS/CTS	TOTAL AMT. DOLLARS/CTS
B-45	Abandon Existing Water Lines	3800	Linear Foot		
B-46	Remove and Dispose of Asbestos Cement Pipe	120	Linear Foot		
B-47	Replace Existing Valve Box	11	Each		
B-48	Remove Abandoned Valve Box	21	Each		
B-49	General Landscape Restoration	1	Lump Sum		
B-50	Early Completion Bonus	10	Day	\$2,500	\$25,000
TOTAL SCHEDULE B					
SCHEDULE C					
C-1	Mobilization	1	Lump Sum		
C-2	Temporary Traffic Control		Lump Sum		
C-3	Erosion Prevention and Sediment Control	1	Lump Sum		
C-4	10-Inch PVC Storm Drain	250	Linear Foot		
C-5	Shallow Precast Manhole	2	Each		
C-6	Catch Basin	2	Each		
C-7	Abandon Existing 6-Inch Storm Drain	100	Linear Foot		
C-8	Abandon 8-Inch x 6-Inch Sewer Connection	1	Lump Sum		
	Remove Existing Catch Basin	1	Each		
C-10	Adjust Manhole Rim to Grade	2	Each		
C-11	Remove and Replace Sewer Main	1	Lump Sum		
C-12	Remove and Replace Water Main	1	Lump Sum		
C-13	Remove Existing Storm Drain Manhole	1	Lump Sum		
C-14	Remove and Replace Standard Curb and Gutter	30	Linear Foot		
C-15	Install Underground Utility Support	3	Each		
C-16	Asphalt Trench Patch	50	Ton		

ITEM NO.	BID ITEMS	APPROX. QUANTITY	UNIT OF MEASURE	UNIT PRICE DOLLARS/CTS	TOTAL AMT. DOLLARS/CTS
C-17	General Landscape Restoration	1	Lump Sum		
TOTAL SCHEDULE C					
SCHEDULE D					
D-1	Mobilization	1	Lump Sum		
D-2	Temporary Traffic Control	1	Lump Sum		
D-3	Erosion Prevention and Sediment Control	1	Lump Sum		
D-4	Remove and Replace Standard Curb and Gutter	30	Linear Foot		
D-5	Remove and Replace 4-Inch PCC Sidewalk	10	Square Yard		
D-6	Remove Existing 12-Inch Concrete Sewer	50	Linear Foot		
D-7	10-Inch PVC Sewer	50	Linear Foot		
D-8	Connect to Existing Manhole		Each		
D-9	Standard Precast Manhole	3	Each		
D-10	Install Underground Utility Support	1	Each		
D-11	Asphalt Trench Patch	50	Ton		
D-12	Abandon Existing Sewer Manhole	1	Lump Sum		
D-13	Abandon Existing 8-Inch Sewer	125	Linear Foot		
D-14	General Landscape Restoration	1	Lump Sum		
TOTAL SCHEDULE D					
SUM OF EXTENDED TOTALS (SCHEDULES A + B + C + D)					

REPLACED BY ADDENDUM #1

SUM OF EXTENDED TOTALS (SCHEDULES A + B + C + D)					

NOTE: Subject to change if addition or extensions are in error. (Unit price prevails.)

All Items must be bid to be responsive.

_____ Bidder's Signature	_____ Company Name <i>(please print)</i>	_____ Date
_____ Bidder's Name <i>(please print)</i>	_____ Mailing Address <i>(please print)</i>	_____ CCB License Number
_____ Bidder's Title <i>(please print)</i>	_____ City, State, Zip	_____ Federal Tax ID Number
_____ Email	_____ Telephone No.	_____ Fax No.

REPLACED BY ADDENDUM #1

BID BOND

BOND NO. _____

AMOUNT OF BID: \$ _____

KNOW ALL MEN BY THESE PRESENTS, that _____,
hereinafter called the PRINCIPAL, and _____,
a corporation duly organized under the laws of the State of _____ having its principal
place of business at _____, in the State of
_____, and authorized to do business in the State of Oregon, as SURETY, are held firmly bound unto
the City of Albany, Oregon, hereinafter called the OBLIGEE, in the sum of _____
_____ DOLLARS (\$ _____), for the payment
of which we bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly and severally, firmly by
these presents.

THE CONDITION OF THIS BOND IS SUCH THAT:

WHEREAS, the PRINCIPAL is herewith submitting his/her/its Bid Proposal for **ST-22-01, QUEEN AVENUE
REHABILITATION: CITY LIMITS TO PACIFIC BOULEVARD**, said Bid Proposal, by reference thereto, being
hereby made a part hereof.

NOW, THEREFORE, if the Bid Proposal submitted by the PRINCIPAL is accepted, and the Contract awarded to the
PRINCIPAL, and if the PRINCIPAL executes the proposed Contract and furnishes such Performance Bond and
Payment Bond as required by the Contract Documents within the time fixed by the documents, then this obligation shall
be void; if the PRINCIPAL shall fail to execute the proposed Contract and furnish the bond, the SURETY hereby agrees
to pay to the OBLIGEE the said sum as liquidated damages, within ten (10) days of such failure.

Signed and sealed this _____ day of _____ 2023.

PRINCIPAL

SURETY

By: _____

By: _____
Attorney in Fact

EMPLOYEE DRUG TESTING PROGRAM CERTIFICATION

ORS 279C.505 (2) requires bidders shall demonstrate and disclose to the City of Albany they have an employee drug testing program in place before a public contract can be awarded.

Therefore, by signing this Certification, the Bidder does hereby certify and confirm that, as the proposed general contractor for City of Albany Project **ST-22-01, Queen Avenue Rehabilitation: City Limits to Pacific Boulevard**, he/she has an employee drug testing program in place that is consistent with, and satisfies the intent of, the legislation referenced above.

CONTRACTOR: _____

BY: _____

TITLE: _____

DATE: _____

FIRST-TIER SUBCONTRACTOR DISCLOSURE

PROJECT NAME: Queen Avenue Rehabilitation: City Limits to Pacific Boulevard **BID NUMBER:** ST-22-01

BID CLOSING DATE: Tuesday, January 31, 2023 **TIME:** 2:00 p.m.

This form must be submitted at the location specified in the Invitation to Bid on the advertised bid closing date and within two working hours after the advertised bid closing time.

List below the name of each subcontractor that will be furnishing labor or will be furnishing labor and materials and that is required to be disclosed, the category of work the subcontractor will be performing and the dollar value of the subcontract.

Enter "**NONE**" if there are no subcontractors that need to be disclosed.
(Attach additional sheets if needed.)

Failure to submit this signed form by the disclosure deadline will result in a nonresponsive bid.
 A nonresponsive bid will not be considered for award.

Subcontractor's Name	Category of Work	Dollar Value
1.		\$
2.		\$
3.		\$
4.		\$
5.		\$
6.		\$
7.		\$
8.		\$
9.		\$

Form submitted by (bidder name): _____ Phone No.: _____
(Signature)

Contact Name: _____ Company: _____

ORS 279C.370 First-tier subcontractor disclosure. (1)(a) Within two working hours after the date and time of the deadline when bids are due to a contracting agency for a public improvement contract, a bidder shall submit to the contracting agency a disclosure of the first-tier subcontractors that:

- (A) Will be furnishing labor or will be furnishing labor and materials in connection with the public improvement contract; and
- (B) Will have a contract value that is equal to or greater than five percent of the total project bid or \$15,000, whichever is greater, or \$350,000 regardless of the percentage of the total project bid.

(b) For each contract to which this subsection applies, the contracting agency shall designate a deadline for submission of bids that has a date on a Tuesday, Wednesday or Thursday and a time between 2 p.m. and 5 p.m., except that this paragraph does not apply to public contracts for maintenance or construction of highways, bridges or other transportation facilities.

(c) This subsection applies only to public improvement contracts with a value, estimated by the contracting agency, of more than \$100,000.

(d) This subsection does not apply to public improvement contracts that have been exempted from competitive bidding requirements under ORS 279C.335 (2).

(2) The disclosure of first-tier subcontractors under subsection (1) of this section must include the name of each subcontractor, the category of work that each subcontractor will perform and the dollar value of each subcontract. The information shall be disclosed in substantially the following [above] form:

(3) A contracting agency shall accept the subcontractor disclosure. The contracting agency shall consider the bid of any contractor that does not submit a subcontractor disclosure to the contracting agency to be a nonresponsive bid and may not award the contract to the contractor. A contracting agency is not required to determine the accuracy or the completeness of the subcontractor disclosure.

(4) After the bids are opened, the subcontractor disclosures must be made available for public inspection.

(5) A contractor may substitute a first-tier subcontractor under the provisions of ORS 279C.585.

(6) A subcontractor may file a complaint under ORS 279C.590 based on the disclosure requirements of subsection (1) of this section.

State of Oregon WH-179 (08-10-10)

SAMPLE CONTRACT

THIS CONTRACT is made between the CITY OF ALBANY, a municipal corporation, hereinafter called "City" and <<CONTRACTOR>>, hereinafter called "Contractor."

WITNESSETH:

Contractor, in consideration of the sums to be paid and other covenants herein contained, agrees to perform and complete the work herein described and to furnish all necessary machinery, tools, apparatus, equipment, supplies, materials, and labor and perform all work in accordance with the applicable *Standard Construction Specifications*, the Special Specifications (aka Specifications, Special Provisions) found herewith, and in accordance with such alterations or modifications of the same as may be made by the City, and according to such directions as may from time to time be made or given by the Engineer under the authority and within the meaning and purpose of this Contract. This agreement shall be binding upon the heirs, executors, administrators, successors, and assigns of the Contractor.

The applicable Drawings, the applicable *Standard Construction Specifications*, all sections of Special Provisions, and the Schedule of Contract Prices bound herewith are hereby specifically referred to and by reference made a part hereof and shall by such reference have the same force and effect as though all of the same were fully inserted herein.

Contractor must faithfully complete and perform all of the obligations of this Contract, and in particular, must promptly, as due, make payment of all just debts and obligations incurred in the performance of said Contract and must not permit any lien or claim to be filed or prosecuted against the City.

Contractor must furnish to the City a 100% Performance Bond and a 100% Payment Bond. In addition to the required Payment Bond and Performance Bond, unless exempt under ORS 279C.836 (7), (8), or (9), the contractor is required to file a \$30,000 Public Works Bond with the Construction Contractor's Board to be used exclusively for unpaid wages determined to be due by BOLI. The general contractor is required to verify that subcontractors have filed a public works bond before permitting a subcontractor to start work on a project unless exempt under ORS 279C.836 (7), (8) or (9).

Contractor, its subcontractors, if any, and all employers working under this Contract are subject employers under the Oregon Workers' Compensation Law and must comply with ORS 656.017, which requires them to provide workers' compensation coverage for all their subject workers.

Contractor agrees to protect, indemnify, and hold harmless the City against any and all loss, claims, or suits (including costs and attorney's fees) for or on account of injury to or death of persons, damage to, or destruction of property belonging to either the City or others occurring by reason of the act or neglect of the Contractor, Contractor's employees, or agents (including subcontractors) in connection with the performance of this Contract.

Contractor, its subcontractors, if any, must certify that during the term of this Contract, that neither it nor its principals are presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation by any local, state or federal department or agency.

Contractor must agree to abide by all applicable federal requirements for procurement, as defined in 2 CFR Part 200 and Appendix II to Part 200 – Contract Provisions for Non-Federal Entity Contracts under Federal Awards, if any federal funds are used for the Project.

It is expressly understood that this Contract must be governed by the laws of the State of Oregon. The statutes of the State of Oregon for public works contracts, specifically but not exclusively ORS Chapter 279 A-C as amended or superseded, including the latest additions and revisions, are incorporated by reference as part of the contract documents, and the party contracting with the City of Albany hereby covenants and agrees to comply with all of the obligations and conditions applicable to public contracts pursuant to ORS 279 A-C, et seq, as though each obligation or condition were set forth fully herein. In addition, if the contract identified above calls for a public improvement as that term is defined by ORS 279A.010, the party contracting with the City of Albany further agrees to comply with all obligations and conditions applicable to public contracts for public improvements pursuant to ORS 279C, et seq, as though each obligation or condition were set forth fully herein. Contractor and its subcontractors, if any, agree to comply with the Oregon Consumer Information Protection Act, ORS Sections 646A.600 through 646A.628.

Contractor further declares by the signing of this Contract that all the provisions required by ORS 279C.800 through 279C.870 relating to the payment of prevailing wage rates for work performed under the Contract with the City of Albany must be complied with, and that daily/weekly/holiday/weekend overtime will be paid, unless the amount of the contract is \$50,000 or less, in which case the prevailing wage rate requirement shall not apply. If Contractor fails, neglects, or refuses to make prompt payment for labor or services, the City can pay and withhold these amounts from payments due Contractor (ORS 279C.515). Contractor must indemnify the City from claims of damages resulting from actual or alleged violations of these obligations.

As required by ORS 279C.520, Contractor must comply with ORS 652.220 and ORS 659A, and must not unlawfully discriminate against any of Contractor's employees in the payment of wages or other compensation for work of comparable character on the basis of an employee's membership in a protected class. Contractor's compliance with this section constitutes a material element of this Agreement and a failure to comply constitutes a breach that entitles the City to terminate this Agreement for cause. **Contracts valued at \$500,000 with employers that have 50 or more employees are required to**

take Pay Equity Training and submit a certificate as proof before awarded a contract. Contractor must certify it has taken the required Pay Equity Training and provide a certificate to the City.

Contractor understands that if the price of this Contract exceeds \$500,000, the City will deposit amounts withheld as retainage into an interest-bearing escrow account for the benefit of the City as outlined in ORS 279C.570(2), unless Contractor elects an alternative in lieu of cash retainage, such as bonds, securities or other instruments, or a deposit of a surety bond. Contractor must receive interest on the retained moneys from the date Contractor’s related payment request is fully approved by the City until the date the retained moneys are paid by the City to Contractor. Payment of retainage is deemed to be “paid” when the payment is transmitted to Contractor.

In consideration of the faithful performance of all of the obligations herein set out, and in consideration of the faithful performance of this Contract, the City agrees to pay to Contractor the amount earned, as determined from the actual quantities of work performed and prices and other basis of payment specified, taking into consideration any amounts that may be deductible, under the terms of the Contract.

Contractor agrees to complete the work within the time specified herein and to accept as full payment hereunder the amounts computed as determined by the Contract Documents and based on the said proposal.

Said improvements must be completed by the date specified in said Contract Documents and if not so completed, unless said time for completion is extended, as provided in the Contract Documents, or if extended, if the same is not completed within the time extended, the City will be caused to incur liquidated damages as specified in the Contract Documents. Liquidated damages must be retained out of any monies due or to become due under this agreement.

Payments must be made as provided in the Contract Documents. Notwithstanding anything in this agreement to the contrary, the City’s obligation to pay money beyond the current fiscal year shall be subject to and dependent upon appropriations being made from time to time by the City Council for such purpose; provided, however, that the city manager or other officer charged with the responsibility for preparing the City’s biennial budget must include in the budget for each fiscal year the amount of the City financial obligation payable in such year and the city manager or such other officer must use his/her best efforts to obtain the annual appropriations required to authorize said payments.

The Parties acknowledge that the parties and their counsel have reviewed this Agreement and that the normal rule of construction to the effect that any ambiguities are to be resolved against the drafting Party shall not be employed in the interpretation of this Agreement or any exhibits or amendments hereto.

Should suit or action be undertaken to enforce any of the terms of this agreement or to seek damages for its breach, the prevailing party shall be entitled to an award of its reasonable attorney fees, costs, and expenses, including expert witness fees, incurred therein, and such costs and fees as may be required on appeal, including those incurred on appeal. Jurisdiction for litigation must be vested exclusively in the courts of Oregon, Oregon law must apply, and venue must lie in the Circuit Courts in and for Linn County, Oregon.

The date this Agreement is signed by the last party to sign it (as indicated by the date associated with that party’s signature) will be deemed the date of this Agreement. If a party signs but fails to date a signature the date that the other party receives the signing party’s signature will be deemed to be the date that the signing party signed this Agreement and the other party may inscribe that date as the date associated with the signing party’s signature.

IN WITNESS WHEREOF, the undersigned duly authorized officials have caused this contract to be executed on behalf of their respective parties.

CONTRACTOR:

CITY OF ALBANY, OREGON:

DATE: _____

DATE: _____

By: _____

By: _____

Title: _____

Chris Bailey, Public Works Director

By: _____

Title: _____

(Note: Signatures of two officers are required for a corporation.)

Construction Contractor’s Board License Number _____

Tax Identification No.: _____

Telephone Number: () _____

PERFORMANCE BOND

BOND NUMBER: _____

TOTAL BID AMOUNT: \$_____

KNOW ALL MEN BY THESE PRESENTS that we, _____, as CONTRACTOR (Principal), and _____, a corporation, duly authorized to do a general surety business in the State of Oregon as SURETY, are jointly and severally held and bound unto the City of Albany, Oregon, (Obligee) in the sum of (100% of Contract) _____ Dollars (\$_____) for the payment of which we jointly and severally bind ourselves, our heirs, executors, administrators, and assigns or successors and assigns firmly by these presents.

THE CONDITION OF THIS BOND IS SUCH that, whereas the principal has made and entered into a certain contract, a copy of which is attached hereto, with the City of Albany, Oregon, which contract, together with the applicable plans, Standard Specifications, Special Provisions, and schedule of contract prices, is by this reference made a part, whereby the principal agrees to perform in accordance with the certain terms, conditions, requirements, plans, and specifications which are set out in the contract and all authorized modifications of the contract which increase the amount of the work and the amount of the contract. Notice to the surety of any of the immediately foregoing are waived.

NOW, THEREFORE, if CONTRACTOR must faithfully and truly observe and comply with the terms, conditions, and provisions of the Contract, in all respects upon the terms set forth therein, and within the time prescribed therein and must indemnify and save harmless the City of Albany, Oregon, its officers, employees, and agents against losses and expenses and any damages of every kind and description that shall be suffered or claimed to be suffered in connection with or arising out of the performance of the said Contract and must honor all claims for defective work within the warranty period(s) established by the *Standard Construction Specifications* and Special Provisions, after the acceptance of said Contract, then this obligation is to be void, otherwise to remain in full force and effect for the duration of the warranty period(s). The establishment and warranty periods for plantings must be two years as outlined in Section 107.15.02 of the *Standard Construction Specifications*. The warranty for all other work must be for a one-year period as outlined in Section 107.15.00.

PROVIDED, HOWEVER, that this bond is subject to the following further conditions:

a) Losses and expenses include but are not limited to attorney’s fees to defend all claims, proceedings, lawsuits, and judgments arising out of or resulting from the fault of the principal, the principal’s agents, representatives, or subcontractors, in the performance of or failure to perform this contract. However, principal must not be required to indemnify any indemnitee to the extent the damage, loss, or expense is caused by the indemnitee’s negligence and must in all respects perform said contract according to law.

b) All material suppliers and all persons who must supply such laborers, mechanics, or subcontractors with material, supplies, or provisions for carrying on such work, must have a direct right of action against CONTRACTOR and SURETY on this bond, second only the right of the City of Albany, Oregon, under this bond, which right of action must be asserted in proceedings instituted in the name of the City of Albany, Oregon, to the use and benefit of the person, firm, or corporation instituting such action and all other persons, firms, or corporations having claims hereunder, must have the right to be made a party to such proceeding and to have such claim adjudicated in such action and judgment rendered thereon.

c) In no event shall SURETY be liable for a greater sum than the penalty of this Bond, or subject to any suit, action, or proceeding thereon that is instituted past the expiration of the warranty period(s) after the complete performance and acceptance of said Contract and final settlement thereof.

d) The said SURETY, for the value received, hereby stipulates and agrees that no change, extension of time, alteration, or addition to the terms of the Contract or to the work to be performed thereunder or the Specifications accompanying the same shall in any way affect its obligations of this bond; and it does hereby waive notice of any such change, extension of time, alteration, or addition to the terms of the Contract, or to the work, or to the Contract Documents.

IN WITNESS THEREOF, the parties hereto have caused this bond to be executed this _____ day of _____ 2023.

Principal

By: _____
Signature

Print or type

Street/City Address

Surety

By: _____
Signature

Print or type

Street/City Address

Telephone Number

Surety Witness:

By: _____

Street/City Address

PAYMENT BOND

BOND NUMBER: _____

TOTAL BID AMOUNT: \$_____

KNOW ALL MEN BY THESE PRESENTS that we, _____, as CONTRACTOR (Principal), and _____, a corporation, duly authorized to do a general surety business in the State of Oregon as SURETY, are jointly and severally held and bound unto the City of Albany, Oregon, (Obligee) in the sum of (100% of Contract) _____ Dollars (\$_____) for the payment of which we jointly and severally bind ourselves, our heirs, executors, administrators, and assigns or successors and assigns firmly by these presents.

THE CONDITION OF THIS BOND IS SUCH that, whereas the principal has made and entered into a certain contract, a copy of which is attached hereto, with the City of Albany, Oregon, which contract, together with the applicable plans, Standard Specifications, Special Provisions, and schedule of contract prices, is by this reference made a part, whereby the principal agrees to perform in accordance with the certain terms, conditions, requirements, plans, and specifications which are set out in the contract and all authorized modifications of the contract which increase the amount of the work and the amount of the contract. Notice to the surety of any of the immediately foregoing are waived.

NOW, THEREFORE, if CONTRACTOR must make payment promptly, as due to all subcontractors and to all persons supplying to the Contractor or its subcontractors, equipment, supplies, labor, or materials for the prosecution of the work, or any part thereof, provided for in said contract; and must, in performing the contract, pay and cause to be paid not less than the State of Oregon Bureau of Labor and Industries (BOLI) prevailing wage rates in effect as of the date of the bid advertisement by City of Albany, Oregon, unless the amount of the contract is \$50,000 or less, in which case the prevailing wage rate requirement shall not apply; and pay per hour, day, and week for and to each and every worker who may be employed in and about the performance of the contract; and pay all contributions or amounts due to the State Accident Insurance Fund and the State Unemployment Trust Fund from such Contractor or subcontractors; and pay all sums of money withheld from the Contractor’s employees and payable to the State Department of Revenue; and must pay all other just debts, dues, and demands incurred in the performance of the said contract; and must pay the City of Albany, Oregon such damages as may accrue to the City of Albany, Oregon, under the contract, then this obligation is to be void, otherwise to remain in full force and effect, provided that surety will remain liable to satisfy the claim of any worker affected by the failure of the principal or any subcontractor under the contract to pay the minimum rate of wage in accordance with the contract in the amount of minimum wages and an additional amount equal thereto as liquidated damages.

a) All material suppliers and all persons who shall supply such laborers, mechanics, or subcontractors with material, supplies, or provisions for carrying on such work, shall have a direct right of action against CONTRACTOR and SURETY on this bond, second only the right of the City of Albany, Oregon, under this bond, which right of action must be asserted in proceedings instituted in the name of the City of Albany, Oregon, to the use and benefit of the person, firm, or corporation instituting such action and all other persons, firms, or corporations having claims hereunder, must have the right to be made a party to such proceeding and to have such claim adjudicated in such action and judgment rendered thereon.

b) The said SURETY, for the value received, hereby stipulates and agrees that no change, extension of time, alteration, or addition to the terms of the Contract or to the work to be performed thereunder or the Specifications accompanying the same shall in any way affect its obligations of this bond; and it does hereby waive notice of any such change, extension of time, alteration, or addition to the terms of the Contract, or to the work, or to the Contract Documents.

IN WITNESS THEREOF, the parties hereto have caused this bond to be executed this _____ day of _____ 2023.

Principal

By: _____
Signature

Print or type

Street/City Address

Surety

By: _____
Signature

Print or type

Street/City Address

Telephone Number

Surety Witness:

By: _____

Street/City Address

RETAINAGE ELECTION

In accordance with ORS 279C.570(2) and OAR 137-049-0820, contracts that exceed \$500,000 require the City to deposit amounts withheld as retainage into an interest-bearing escrow account in a bank, savings bank, trust company, or savings association. Retainage in the amount of five percent (5%) of the contract price of the work completed will be held by the City until such time as the project has been completed and accepted by the City.

Oregon law allows specific alternatives for the holding and accounting of retainage at Contractor's election. If the City incurs additional costs as a result of Contractor's election, the City may recover such costs from Contractor, ORS 279C.560(3). Failure to execute and submit this form prior to execution of the contract agreement will result in the automatic selection of the first option. **Contractor must select one of the following options in providing for retainage for this project ONLY if the bid exceeds \$500,000.**

1. Interest-bearing escrow account.

The City will set up an interest-bearing account in a bank, savings bank, trust company, or savings association in the name of the City of Albany. The City will make deposits of retainage withheld from each progress payment into the interest-bearing escrow account. Funds in the escrow account will be released to Contractor within 30 days of final acceptance of the project by the City.

Contractor must execute documentation and instructions to establish the interest-bearing escrow account prior to contract execution. Interest earned on the account shall accrue to Contractor. Amounts retained and interest earned will be included in the final payment and may be offset by costs incurred. Contractor shall receive interest from the date Contractor's related payment request is fully approved by the City until the date the retained moneys are paid by the City to Contractor. Retainage is deemed to be paid when the payment is transmitted to Contractor.

2. Deposit of bonds, securities, and other instruments.

No later than Contractor's execution of the contract, Contractor will deposit acceptable bonds or securities, in an amount equivalent to five percent retainage of the contract amount, with the City or with a bank or trust company in Oregon. The bank or trust company will provide a safekeeping receipt to the City. The securities must cover all of the retainage.

Name of Lending Institution: _____

Acceptable bonds and securities to be held in lieu of retainage:

- a. Bills, certificates, notes, bonds, or other obligations of the United States, its agencies, or its wholly-owned corporations.
- b. Indebtedness of the Federal National Mortgage Association.
- c. General obligation bonds of the State of Oregon or a political subdivision of the State of Oregon.
- d. Irrevocable letters of credit issued by an insured institution, defined in ORS 706.008.

3. Deposit of a retainage surety bond.

Contractor may, with approval of the City, deposit a surety bond for the benefit of the City, in a form acceptable to the City, in lieu of the five percent retainage. The bond should be received from the same surety providing the performance and payment bonds for the project.

Name of Surety/Lending Institution: _____

Therefore, by signing this retainage election the Bidder does hereby certify and confirm that as the general contractor for this City of Albany project, it has elected the above retainage option which satisfies the intent of the above-referenced legislation.

CONTRACTOR: _____

Project # ST-22-01

TITLE/SIGNATURE: _____

Date: _____

SPECIAL PROVISIONS

SECTION I: GENERAL REQUIREMENTS AND TECHNICAL SPECIFICATIONS

I-1. DESCRIPTION OF WORK

This project includes approximately 5,600 linear feet of asphalt pavement rehabilitation on Queen Avenue between the city limits and Pacific Boulevard and Elm Street between 16th Avenue and 18th Avenue, including storm drain replacements, new curb ramps and sidewalk repairs; approximately 3,500 linear feet of 12-inch and 8-inch ductile iron water line on Queen Avenue between Liberty Street and Ferry Street; and related appurtenances.

Construction must be in conformance with the current edition of the City of Albany *Standard Construction Specifications*, the Construction Drawings, and these Special Provisions.

I-2. STANDARD CONSTRUCTION SPECIFICATIONS

Each bidder must have access to a current set of City of Albany *Standard Construction Specifications*, which can be found on the City of Albany's website at <https://www.cityofalbany.net/standard-construction-specifications> or a printed set may be purchased for \$100. All public improvements are required to conform to these specifications and bid prices must reflect these specifications.

I-3. AWARD OF CONTRACT

The Contract, if awarded, will be awarded to the lowest responsive, responsible bidder based on the lowest grand total bid amount of all schedules, as determined by the City of Albany, and on the City's sole and absolute judgment to best serve its interest.

The City reserves the right to postpone the acceptance of the proposal and the award of the contract to a responsible bidder for a period not to exceed sixty (60) calendar days, or to reject any and all proposals received and further advertise the project for bids. The City may reject any bids not in compliance with all prescribed public contracting procedures and requirements, including the requirement to demonstrate the bidder's responsibility under ORS 279C.375(3)(b), and may reject for good cause any or all bids upon a finding of the City it is in the public interest to do so.

List of Subcontractors. Contractor is required to submit a list of subcontractors in accordance with ORS 279C.370. Contractor shall include opportunities for DBE Contractors. The State of Oregon maintains a certified DBE list at [COBID Certification Management System \(diversitysoftware.com\)](https://www.cobid.com). The City will submit a copy of this disclosure of first-tier subcontractors to the Bureau of Labor and Industries (BOLI) along with the completed BOLI form WH-81.

Failure to submit the list of subcontractors form by the disclosure deadline will result in a nonresponsive bid. A nonresponsive bid will not be considered for award. If no subcontractors need to be disclosed, this form must still be submitted indicating such.

Electronic Signature. Any signature (including any electronic symbol or process attached to, or associated with, a contract or other record and adopted by a person with the intent to sign, authenticate, or accept such contract or record) hereto or to any other certificate, agreement, or document related to this transaction, and any contract formation or record-keeping through electronic means shall have the same legal validity and enforceability as a manually executed signature or use of a paper-based recordkeeping system to the fullest extent permitted by applicable law.

Communicable Diseases. Contractor understands the risk to have contact with individuals, who have been exposed to and/or have been diagnosed with one or more communicable diseases, including but not limited to COVID-19 or other medical conditions, diseases, or maladies that exist, and it is impossible to eliminate the risk that Contractor could be exposed to and/or become infected through contact with or close proximity with an individual with a communicable disease. CONTRACTOR KNOWINGLY AND FREELY ASSUMES ALL SUCH RISKS, both known and unknown, EVEN IF ARISING FROM THE NEGLIGENCE OF THE RELEASEES OR OTHERS, and assumes all full responsibility for Contractor's participation.

I-4. WORKING HOURS

Working hours shall be 7:00 a.m. to 6:00 p.m., Monday through Saturday. No work will be allowed to occur on Sundays. The Contractor will not be responsible for any City inspection costs related to work performed during these working hours or any special working hours required in the Contract Documents and the Construction Drawings. Work outside of these days and times may be approved at the sole discretion of the Engineer. The Contractor must provide the Engineer a minimum of 72-hours' advanced notice prior to any Saturday work to allow the City to arrange for project inspection.

No work will be allowed on City Holidays as listed below:

- New Year's Day (Observed): January 2, 2023
- Martin Luther King, Jr. Day: January 16, 2023
- Memorial Day: May 29, 2023
- Juneteenth: June 19, 2023
- Independence Day: July 4, 2023
- Labor Day: September 4, 2023
- Veterans Day (Observed): November 10, 2023
- Thanksgiving Day: November 23, 2023
- Day After Thanksgiving: November 24, 2023
- Christmas Day: December 25, 2023

I-5. CONTRACT COMPLETION TIME AND LIQUIDATED DAMAGES

At Contractor's option, the City will issue the Notice to Proceed any time after both parties have executed the contract. Contractor will be required to give the City seven days advance notice of intent to begin construction. Once the Notice to Proceed is issued, Contractor must complete the work in calendar days, measured from the day work starts.

Regardless of the actual construction start date, all work specified in the contract documents must be completed, in every respect, by November 3, 2023, the ultimate completion date.

Liquidated damages will be assessed against Contractor for each day over the maximum number of calendar days allotted plus each day beyond the stated ultimate completion date until the work is satisfactorily completed and accepted by the City. The schedule of liquidated damages is listed in the *Standard Construction Specifications*, Section 108.06.00.

I-6. EARLY COMPLETION BONUS AND LATE COMPLETION PENALTY

The streets impacted by this project provide critical transportation links in the greater Albany area. Impacts to the traveling public, local residents, businesses, public schools, and emergency services are significant. Therefore, the City is providing incentives for completing critical portions of the project early and penalties for completing critical portions of the project late as described below. Due to the nature of the project no time extensions will be allowed with respect to early completion bonuses and late completion penalties.

There are two road closure phases described in the Special Provisions:

- Phase 1 Road Closure (Schedule A):
Queen Avenue from city limits to Highway 99E: June 20, 2023, through September 1, 2023
- Phase 2 Road Closure (Schedule B):
Queen Avenue from Highway 99E to Ferry Street: 30 Calendar Days any time prior to or after Phase 1

If each Road Closure, as described in these special provisions, is ended prior to required end date, the Contractor will be awarded an early completion bonus of \$2,500 per each calendar day between the actual date that the Road

Closure was removed and the required end date. The total early completion bonus will not exceed \$75,000 for Phase 1 (Schedule A) and \$25,000 for Phase 2 (Schedule B).

If either of the Road Closures, as described in these special provisions below, extends past the required end date, the Contractor will be assessed a late completion penalty, in addition to any liquidated damages, of \$2,500 per calendar day beyond the required end date, until the road closure is removed.

I-7. PRECONSTRUCTION CONFERENCE

A preconstruction meeting will be required and may be held virtually. The meeting will be scheduled to take place a minimum of one week prior to beginning of construction. Contractor must submit the following submittals at the preconstruction conference:

- Project Schedule
- Traffic Control Plan
- Erosion and Sediment Control Plan

I-8. PROJECT SCHEDULE

A detailed construction schedule of all work relating to this project must be submitted in advance by email to the Engineer for discussion at the preconstruction conference. The schedule must show how Contractor plans to complete the project on or before the ultimate completion date. Contractor must take appropriate measures to expedite work items that are behind schedule, including the use of outside forces to complete the work, without additional compensation.

To assist in the management of the project schedule, the Contractor shall attend and coordinate weekly work progress meetings with the Engineer and any applicable subcontractors, suppliers, and utility companies. Work progress meetings shall be held on-site each Monday at 8:00 a.m. at a location approved by the Engineer.

I-9. TEMPORARY TRAFFIC CONTROL

All temporary traffic control must be in accordance with the current edition of the *Manual on Uniform Traffic Control Devices* (MUTCD); the ODOT *Short-Term Traffic Control Handbook*; City of Albany *Standard Construction Specifications*, Section 202; and as stated herein. Contractor must provide traffic control devices as may be required at locations where construction is of short-term duration (i.e., street intersections and access to private property), as well as traffic control devices that are expected to be in place for the duration of the project.

Except during the Road Closures as described below, construction operations must be conducted in a manner that will provide for a minimum of one lane of traffic in each direction on Queen Avenue, Pacific Boulevard (Oregon Highway 99E) and Elm Street at all times within the construction area. Lane closures on Pacific Boulevard will only be allowed between 7:00 p.m. and 6:00 a.m., Sunday through Thursday. The Contractor must maintain access to West Albany High School and Memorial Middle School during school days. Due to heavy school related traffic, lane closures on Queen Avenue between Liberty Street and Elm Street will only be allowed between 9:00 a.m. and 2:00 p.m. Temporary ramps must be installed and maintained at intersections and driveways for the duration of the project. At no time shall the flow of traffic be stopped completely without the approval of the Engineer. Approval for short-term, temporary closures or detours, if given, will be limited to a specific instance and will not be approved as standard practice.

The Contractor must limit all construction traffic, including material delivery and spoil removal, to those streets where there are construction activities taking place. The City will immediately suspend work if Contractor does not limit construction traffic to approved streets. Work will be allowed to resume only after Contractor has submitted a construction traffic routing plan limiting construction traffic to approved streets. This plan will be reviewed and approved by the City prior to its implementation. Damage to streets resulting from unapproved construction traffic must be corrected by Contractor at no expense to the City.

A traffic control plan is provided in the Construction Drawings for the closure of Queen Avenue and Elm Street. This road closure must be done in two phases as shown on the Construction Drawings and as described below.

- Phase 1 Road Closure (Schedule A):
Queen Avenue from city limits to Highway 99E: June 20, 2023 through September 1, 2023
- Phase 2 Road Closure (Schedule B):
Queen Avenue from Highway 99E to Ferry Street: 30 Calendar Days any time prior to or after Phase 1

Once each road closure phase has started, it shall remain in place until all paving, striping, signing, sidewalks and driveways have been completed. Only one phase of road closure may be in place at any time.

During working hours for the duration of the Phase 1 road closure, the Contractor shall place a competent person familiar with construction activities and the current schedule at two locations within the project area as directed by the Engineer to direct local traffic to their destination. They shall be present at all times during the Phase 1 road closure when work is taking place unless otherwise directed by the Engineer.

Any modifications to this plan must be approved by the City of Albany. For any proposed modifications to the plan, Contractor must submit a detailed traffic control plan in conformance with the *Standard Construction Specifications* and corresponding with Contractor’s construction schedule. Traffic control plans for specific instances not covered by those shown in the Construction Drawings will be required for all public and private traveled roadways within the project area. Contractor must submit traffic control plans to the Engineer for review one week prior to commencing construction. The traffic control plan must include a description of the traffic control devices, signing, and flaggers that are to be provided. Work must not begin until the City approves the traffic control plans. Following approval, the plan must be adhered to at all times.

On streets where parking is normally allowed, Contractor must furnish and place at least three “No Parking” signs on each side of each block of the street where parking is to be prohibited. The signs must be highly visible to motorists from all approaches to the area where parking will be restricted. The signs must be posted at least two full working days in advance of any construction activity and must state the date and times when parking will be prohibited.

Construction operations must not commence until all construction signing is in place. Construction signing required for the project must be furnished and maintained by Contractor.

All public and private roadways and driveways within the project area must be fully opened to local traffic at the end of each workday and at all times when no work is taking place. When the progress of the work requires temporary closures of residential driveways, Contractor must provide notice to the affected residential properties 48-hours in advance of the closure. Access to residential driveways must be reestablished as soon as possible. Contractor must maintain continuous access to commercial and industrial properties except during paving operations. Contractor must meet on-site with the manager of each business a minimum of 72-hours in advance of any work affecting access to their property and inform them of the measures taken to maintain access. The Contractor must place and maintain “BUSINESS ACCESS” signs at commercial driveways to guide customers and deliveries to the appropriate entrances during the work. The signs must be repositioned on a continuous basis as the progress of the work requires.

After working hours, construction equipment must be parked outside traveled portions of the roadways and must be isolated with construction fencing and lighted barricades.

In the event Contractor fails to provide and maintain proper barricades, signs, and other traffic control devices within one hour after notification by the Engineer, the City may install the traffic control devices at Contractor’s expense. The City will deduct two times (200 percent) the City’s actual cost, which will include all labor, equipment, and materials involved, from any payments due or coming due to Contractor.

I-10. NOTIFICATIONS

The Contractor must provide written notice to the front office of the following agencies, at least three (3) working days in advance of beginning construction. The written notice must include the construction schedule and must explain the extent and duration of expected traffic disruptions. Agency contact information may be found in the table below.

<u>Agency</u>	<u>Address</u>	<u>Phone Number</u>
U.S. Postal Service	525 Second Avenue SW, Albany, OR 97321	541-926-8829
Albany Transit System	112 Tenth Avenue SW, Albany, OR 97321	541-917-7667
Republic Services	1214 Montgomery Street SE, Albany, OR 97321	541-928-2551

Albany Fire Department Administrative Office	611 Lyon Street SE, Albany, OR 97321	541-917-7700
Greater Albany Public Schools District Office	718 Seventh Avenue SW, Albany, OR 97321	541-967-4501
Albany Police Department	2600 Pacific Boulevard SW, Albany, OR 97322	541-971-7680
Linn County Sheriff's Office	1115 Jackson Street SE, Albany, OR 97322	541-967-3950

Contractor must notify the above-named agencies and the public of any schedule changes that are made by Contractor, required by the City, or are the result of weather or other unforeseen circumstance. Contractor must submit a copy of each notification to the City for review and approval prior to delivering the notices.

Contractor must provide written notification to all affected residents and businesses three working days in advance of scheduled work that will result in traffic disruptions and blocked access to driveways or parking areas. Written notifications must explain the extent and duration of the disruption of traffic and/or blocked access and must include alternate routes or parking areas as appropriate.

I-11. ENTERING AND WORKING WITHIN CONFINED SPACES

Contractors working on any public improvement project, while under contract with the City or a private entity, must comply with the following regulations as they pertain to entering and working within confined spaces (as defined by OR-OSHA):

1. Identify any confined space entry that is required to perform the work and submit a list of the locations to the City.
2. Follow the City's confined space entry procedures or submit an alternate procedure that meets or exceeds OR-OSHA confined space entry regulations.

Submit written notice to the City of any hazardous situation that is encountered during the entry of or while working within a confined space.

I-12. RAILROAD PERMITS

The City has obtained from Union Pacific Railroad a permit to install the new 12-inch ductile iron water line under the railroad tracks as shown on the Construction Drawings. The Contractor shall comply with all provisions of this permit, including insurance and notification of work requirements. A copy of the Union Pacific Railroad permit and associated requirements is attached in Appendix E.

The Contractor will be responsible for meeting all Union Pacific Railroad construction observation requirements as listed below and as included in Appendix F:

- Submit request for Union Pacific Railroad signal cable locate
- Submit Union Pacific Railroad telecommunications locate request
- Complete and submit Customer Project Information and Billing Sheets
- Submit required Work Plan Form
- Coordinate and pay for Union Pacific Railroad and RailPros Observer and Flagging
- Comply with Union Pacific Railroad Company Contractor Minimum Safety Requirements
- Perform and submit required track and ground monitoring

The Contractor shall be responsible for obtaining a right-of-entry permit from Portland & Western Railroad for all work taking place within 25 feet of the railroad tracks.

The Contractor must provide insurance as required by the railroad permits. Contractor must pay the Railroad for all expenses incurred by the Railroad to provide flagmen, inspectors, and other personnel they require to protect their property as a result of the work.

I-13. OREGON DEPARTMENT OF TRANSPORTATION (ODOT) PERMIT

The City has secured the required ODOT permits for construction within ODOT right-of-way on Oregon Highway 99E and Oregon Highway 34 (See Appendix B and C). The Contractor must comply with all conditions set forth in the ODOT permit. The Contractor must also obtain ODOT's minimum general liability insurance for all work within the ODOT right-of-way with the policy naming ODOT as an additional insured.

Construction of the project must be in compliance with the permit conditions. In situations where permit requirements differ from those contained in the City of Albany Standard Specifications, Special Provisions, and the Construction Drawings, the more stringent requirement will apply.

I-14. LINN COUNTY ROAD DEPARTMENT PERMIT

The City has secured the required Linn County Road Department permit for work within Linn County right-of-way on Riverside Drive, Oakville Road and Queen Avenue outside the city limits (See Appendix D). The Contractor must comply with all conditions set forth in the Linn County permit. The Contractor must also obtain Linn County's minimum commercial general liability insurance for all work within the Linn County right-of-way with the policy naming Linn County as an additional insured.

Construction of the project must be in compliance with the permit conditions. In situations where permit requirements differ from those contained in the City of Albany *Standard Construction Specifications*, Special Provisions, and the Construction Drawings, the more stringent requirement will apply.

I-15. WORK ON PRIVATE PROPERTY

The City will provide any permits required for plumbing, electrical, and site work on private property. The Contractor shall coordinate any required inspections with the Engineer.

I-16. TEMPORARY ASPHALT TRENCH PATCHING

Due to traffic associated with West Albany High School and Memorial Middle School, as well as access for local residences and businesses, temporary hot or cold mix asphalt trench patching will be required on all trench surfaces in streets and sidewalks on Queen Avenue, Pacific Boulevard and Elm Street. The Contractor will be allowed to maintain gravel trench surfaces on other streets and sidewalks during construction provided the gravel surfaces are maintained in good condition and loose rock is swept up daily. If the Engineer determines that trenches are not being maintained in good condition, temporary hot mix or cold mix trench patching shall be placed at the Contractor's expense. In addition, temporary asphalt trench patching may be required in intersections or other high maintenance areas as directed by the Engineer. Temporary trench patching shall be considered incidental to other bid items.

I-17. LOCATION OF UNDERGROUND UTILITIES

Contractor must determine the horizontal and vertical alignment of existing public and private utilities well enough in advance to make adjustments to the work. Special care must be taken to avoid compromising concrete thrust restraint on the existing water system. Locating utilities ahead of construction and providing protective measures where required are incidental to other bid items.

I-18. COORDINATION WITH OTHER CITY WORK

There will be a separate City contract to install cured-in-place pipe in several segments of storm drain and sewer main within the project area as shown on the Construction Drawings. The Contractor shall coordinate all work on this project with the contractor performing work on the other project to minimize conflicts for both projects. The Contractor shall be responsible for any costs incurred by the City that result from this work not being coordinated as described above.

I-19. FRANCHISE UTILITY COORDINATION

The City has notified affected franchise utility companies of this project and has directed them to relocate their facilities as needed to provide for the construction of this project. Franchise utilities include Pacific Power, NW Natural, CenturyLink, Comcast, and LS Networks. The Contractor must coordinate with the franchise utility companies to allow them to perform their relocation work. No additional contract time will be allowed for delays resulting from a lack of coordination with franchise utilities.

Franchise Utility contacts for this project are provided below:

<u>Utility</u>	<u>Contact</u>	<u>Telephone</u>	<u>Email</u>
Pacific Power	Tucker Hill	541-967-6161	tucker.hill@pacificcorp.com
NW Natural	Dave Bellinger	541-926-4253 x8238	d6b@nwnatural.com
CenturyLink	Travis Vaughn	503-365-5555	travis.vaughn@lumin.com
Comcast	Chris Cranford	503-476-2477	Chris_Cranford@comcast.com
LS Networks	Dan McGraw	503-349-9134	osp@LSNetworks.net

I-20. REPAIR OF EXISTING UNDERGROUND UTILITIES

City-owned, underground infrastructure damaged during construction must be repaired as directed by the Engineer. All completed repair work will require approval of the Engineer prior to covering the work. General repair guidelines are:

1. Existing sanitary sewer mains and service laterals that are damaged must be replaced with like materials and solid-sleeve couplings. Where like materials are not available, the existing pipe must be replaced with ASTM 3034 PVC pipe and solid-sleeve transition couplings.
2. Existing storm drainage pipe that is damaged must be replaced with like materials and mechanical-type couplings. Where like materials are not available, storm drainage pipe must be replaced with Class III concrete pipe or ASTM 3034 PVC pipe with appropriate mechanical-type couplings.

I-21. STREET CONSTRUCTION

Street construction will not be allowed to begin until June 20, 2023, due to on-site activity by teachers, staff, and students at West Albany High School and Memorial Middle School, and to avoid damaging the subgrade during wet weather.

Street excavation, overexcavation, and subgrade stabilization shall be conducted in one continuous operation. The work must be sequenced to minimize the amount of truck traffic on the subgrade. The existing subgrade must be compacted, proof rolled and any remaining soft areas repaired prior to the start of paving operations. Base lift paving must begin as soon as possible after finish grading has been completed to minimize additional traffic on the prepared subgrade. Care must be taken to avoid damage to public and private utilities.

I-22. INSPECTION AND APPROVAL OF WATER LINE MATERIALS

Contractor must not begin excavation for water mains and water service lines until all pipe and fittings have been delivered to the site and have been inspected and approved by the Engineer. Contractor shall be responsible to coordinate material inspections with the Engineer. Delays to the construction schedule resulting from rejection and replacement of materials will not be cause for additional contract time.

I-23. EXCAVATION AND BACKFILL REQUIREMENTS

All excavations must be backfilled daily. Only that portion of the excavation where the next day's work is to resume may be left open. All open trenches in streets must be covered with secured, steel sheets at the end of work each day. All other excavations must be backfilled.

Select backfill must be used in all excavations within the public right-of-way to the limits shown below, regardless of location, and in all driveways subject to vehicle travel.

Paved Area: Use select compacted backfill to finished subgrade elevation.

Unpaved Area: Use select compacted backfill to within 18 inches of finish grade. Complete backfill with topsoil meeting requirement of Section 01010 – Topsoil of the Oregon Department of Transportation's Standard Specifications for Highway Construction, 1996 Edition.

A fill permit will be required to deposit excavated materials, in excess of 50 cubic yards at any one tax lot, from this project regardless of whether the site is publicly or privately owned. For property located within the city limits, fill permits may be obtained from the Public Works Department at City Hall, 333 Broadalbin Street SW, Albany, Oregon. For property located outside the city limits, fill permits may be obtained from the Linn County Building Department at the Linn County Court House, 300 Fourth Avenue SW, Albany, Oregon.

I-24. SCHEDULED INTERRUPTION OF WATER SERVICE

Work involving existing water lines must be scheduled in a manner that will minimize disruption of local water service. Interruption of water service must not be scheduled to occur on a Friday or City Holiday. As a general rule, scheduled interruptions of local water service shall not occur prior to 9:00 a.m. or after 2:00 p.m. Contractor must give written notice to each affected water customer a minimum of 48 hours in advance of a scheduled interruption of water service. Commercial and industrial water customers require a minimum 72-hour advance notice prior to scheduled interruption of water service. In addition, a representative of Contractor must personally visit each affected business to deliver the notice to the owner or a responsible employee and answer any questions regarding the shutdown. Contractor must coordinate with affected businesses to make meter switch-overs and mainline connections at times convenient for their normal operation. In some circumstances it may be necessary to schedule water shutdowns outside of normal working hours. No extra compensation will be due Contractor for work performed outside of normal working hours.

Each situation involving a scheduled interruption of water service must be limited to four hours, unless extended by the Engineer. If Contractor does not complete the work within the allotted time, mitigating circumstances notwithstanding, the City will impose liquidated damages of \$225 per each hour, or fraction thereof, beyond the time limit established by the Engineer.

The Engineer will be responsible for supervising the operation of existing valves as required during the course of the work at all locations and for providing Contractor with maps detailing individual properties requiring shutoff notices.

I-25. BACKFLOW PREVENTION ASSEMBLIES

There may be backflow prevention assemblies on the customer side of the meter where sprinkler systems and landscape irrigation systems are present. These devices are usually located outside of the meter box. Contractor shall be responsible for costs associated with cleaning and testing of these devices and other fixtures disabled by debris from the new water line. Contractor must promptly resolve issues involving fixtures of devices plugged by debris as a result of construction operations. In the event that Contractor does not promptly respond to correct the problem the City will have the work done and Contractor shall be charged.

I-26. CONNECTION TO EXISTING WATER LINES

Contractor must be responsible for scheduling and conducting exploratory excavations as necessary to determine material requirements for work involving connections to, or abandonment of, existing water lines. The outside diameter of existing water lines may vary significantly from industry standard specifications (where available) or from information provided on the plans. Contractor must be solely responsible for excavating each specific location where there is work involving an existing water line and to determine the actual pipe type and diameter before ordering materials. The City will not compensate Contractor for components found to be incompatible with existing materials. Potholing connections to existing water lines is considered incidental to other bid items.

Existing abandoned water lines or other utilities must not be used as permanent bracing or as backing for permanent concrete thrust restraint where mechanical restraint is not appropriate. The use of concrete thrust restraint where mechanical restraint is specified will require the approval of the Engineer.

I-27. MINIMUM WATER LINE COVER REQUIREMENT

Except where shown and specified otherwise on the Construction Drawings, all new main line water pipe work must have three feet of minimum cover from the new roadway surface grade to the top of the new line. Depending on the depth of existing utilities and other requirements, new water pipe work may require a deeper bury to maintain minimum cover.

I-28. MAINTAINING SEWER FLOWS

Contractor must maintain sewer flows in the existing system. The sewage must be conveyed in closed conduits and disposed of in a sanitary sewer system or transported in equipment designed for that purpose to an approved disposal site. Transporting and disposal of sewage must be in conformance with applicable state and local regulations. Sewage must not be discharged into, or allowed to flow in storm drains, trenches, creeks, rivers,

ditches, or similar drainage ways. Sewage spills or accumulations must be cleaned up promptly. Contractor must be responsible for notifying the Engineer and DEQ immediately of any sewer spills.

Under no circumstances shall sewage be allowed to overflow from manholes, flood basements, make building sewers inoperable (i.e., with back water valve), or cause any damage to the sewer system due to surcharging.

When pumping and bypassing is required, Contractor must furnish, install, and operate the pumps, conduits, and other equipment to divert the flow of sewage around the section in which work is to be performed. A sewer line plug must be inserted into the line upstream of the section being worked. The plug must be so designed that all or any portion of the sewage can be released. At the end of each day, flow must be restored to normal. The bypass system must be of sufficient capacity to handle existing flow plus additional flow that may occur during a rainstorm. Contractor must be responsible for furnishing the necessary labor and supervision to set up and operate the pumping and bypass system. Pumping must be done in a manner that will not damage public or private property or create a nuisance or health menace. No overnight pumping will be allowed.

Sewer service must be provided for service laterals when working on the sections that have active services. Service must not be interrupted for more than six hours for any individual lateral. All service laterals must be functional between 5:00 p.m. and 8:00 a.m.

I-29. SCHEDULED INTERRUPTION OF SEWER SERVICE

Work involving existing sewer lines must be scheduled in a manner that will minimize disruption of private sewer services. As a general rule, scheduled interruptions of private sewer services must not occur prior to 8:00 a.m. or after 5:00 p.m. Contractor must give written notice to each affected sewer customer a minimum of 48 hours in advance of a scheduled interruption of sewer service. Commercial and industrial sewer customers require a minimum 72-hour advance notice prior to scheduled interruption of sewer service. The notice must contain the name and phone number of Contractor and a contact person and must also state the time and date of interruption and estimated length of disruption. The City must approve the notice prior to distribution. The notifications must be delivered directly to the primary adult resident, business owner/manager, or prominently affixed to the primary entrance of each dwelling or unit. Notification must not be placed in U. S. mailboxes or mail slots. Contractor must coordinate with affected businesses to make sewer lateral connections to the mainline at times convenient for their normal operation. In some circumstances it may be necessary to schedule sewer interruptions outside of normal working hours. No extra compensation will be due Contractor for work performed outside of normal working hours.

I-30. WATER SUPPLY

The City will provide water required for the completion of the work. Contractor must only take water from approved fire hydrants as designated by the Engineer.

I-31. DIGITAL PROJECT FILES

If requested by Contractor, the City of Albany will provide the AutoCAD Civil 3D electronic files used to create the Construction Drawings. While these files include electronic surfaces and other data, they are not intended to be used for construction purposes. The City will require Contractor to sign a City-provided release document acknowledging that the files are to be used at Contractor's own risk.

I-32. PROTECTION OF EXISTING TREES

Trees to remain in place must be protected at all times. If roots three inches in diameter or greater are encountered during construction, including excavation and trenching activities, the root must be protected and reported to the Engineer. If the root must be removed, the City Forester must be consulted prior to pruning. Root pruning must be accomplished by a sharp cut made with a hand saw or chain saw. Cut or exposed root ends must be kept moist at all times until backfill is placed to cover the roots. Cut roots three inches or greater must be wrapped in burlap and kept moist for the entire time the roots are exposed. Cut or exposed roots must be backfilled as soon as possible.

If Contractor causes the destruction of trees that are to remain, the City will deduct the value of the tree as determined by the City Forester using the methods described in the International Society of Arboriculture's

“Valuation of Landscape Trees, Shrubs, and Other Plants: A Guide to the Methods and Procedures for Appraising Amenity Plants.”

SECTION II: STATE AND FEDERAL CONTRACTING LAW

II-1. PREVAILING WAGES

Contractor must comply with all of the provisions required by ORS 279C.800 through ORS 279C.870 relating to the payment of prevailing wage rates for work performed under the Contract with the City of Albany.

Each worker in each trade or occupation employed in the performance of this contract either by Contractor, subcontractor, or other person doing or contracting to do, or contracting for the whole or any part of the work on this contract, must be paid not less than the applicable state prevailing rate of wage, or the applicable federal prevailing rate of wage, whichever is higher.

Oregon law requires that the higher of the state prevailing wage rates (PWR) or federal Davis-Bacon rates be paid to workers on projects subject to both the state PWR law and federal Davis-Bacon Act.

ST-22-01, Queen Avenue Rehabilitation: City Limits to Pacific Boulevard does not use federal funds and does not require Davis-Bacon rates. Only Oregon BOLI Prevailing Wage Rates apply to this project.

Each year the Oregon Bureau of Labor and Industries (BOLI) publishes rates and amendments that are available by calling 971-353-2286 or online at the BOLI website at:

<https://www.oregon.gov/boli/employers/Pages/prevailing-wage-rates.aspx>

The publication that applies to this contract is the January 1, 2023, Prevailing Wage Rates for Public Works Contracts in Oregon. **SEE ADDENDUM #1 FOR CHANGES TO THIS SECTION**

Daily/weekly/holiday/weekend overtime must be paid. If a contractor fails to pay for any labor or services, the City can pay for this labor or services and withhold these amounts from payments due Contractor. ORS 279C.520; OAR 839-025-0020(2)(b).

Contractors and subcontractors are required to prepare weekly certified payroll reports and statements and submit them to the City by the fifth business day of each month (ORS 279C.845; OAR 839-025-0010). Contractor payment will be withheld until the City is in receipt of these certified weekly payroll reports. Information submitted on certified statements may be used only to ensure compliance with the provisions of ORS 279C.800 through ORS 279C.870.

II-2. PERFORMANCE, PAYMENT, AND PUBLIC WORKS BONDS

In addition to the required payment bond and performance bond, unless exempt under ORS 279C.836 (7), (8), or (9), the contractor is required to file a \$30,000 Public Works Bond with the Construction Contractor's Board to be used exclusively for unpaid wages determined to be due by BOLI. The general contractor is required to verify that subcontractors, unless exempt, have filed a public works bond before permitting a subcontractor to start work on a project.

The Statutory Public Works Bond form is available from BOLI upon request or may be downloaded from <https://www.oregon.gov/boli/employers/Documents/public-works-bond.doc>.

II-3. RECIPROCAL PREFERENCE LAW

Oregon's reciprocal preference law, ORS 279A.120 and ORS 279A.125, requires public contracting agencies, in determining the lowest responsible bidder, to add a percent increase to each out-of-state bidder's bid price that is equal to the percent of preference given to local bidders in the bidder's home state. That is, if the low bidder is from a state that grants a 10 percent preference to its own in-state bidders, the Oregon agency must add 10 percent to that bidder's price when evaluating the bid.

For details, check Oregon's Reciprocal Preference Law website at:

<https://www.naspo.org/reciprocity1>

Bidders in need of any assistance in the application of this law should call the State Procurement Office at 503-378-4642, or contact them at State of Oregon Department of Administrative Services, State Procurement Office, 1225 Ferry Street SE, U-140, Salem, OR 97301-4285.

II-4. AFFIRMATIVE ACTION/NONDISCRIMINATION

By submitting a bid/proposal, the Bidder/Proposer agrees to comply with the Fair Labor Standards Act (FLSA); Title VII of the Civil Rights Act of 1964; Executive Order 11246, (as amended); Fair Employment Practices; Equal Employment Opportunity Act; Section 503 of the Rehabilitation Act of 1973, as amended; Vietnam Era Veterans' Readjustment Assistance Act of 1974; Americans with Disabilities Act; Age Discrimination in Employment Act of 1967 (ADEA); and Oregon Revised Statutes (ORS). By submitting a bid/proposal, the Bidder/Proposer specifically certifies, under penalty of perjury, that the Bidder/Proposer has not discriminated against minority, women, service-disabled veteran, or emerging small business enterprises certified under ORS 200.055 in obtaining any required subcontracts.

If the contract is awarded on the basis of Contractor's certification as a Disadvantaged Business Enterprise (DBE), Minority/Women Business Enterprise (MWBE), Service-disabled Veteran, and Emerging Small Business (ESB) certification, Contractor must remain certified during the entire term of the contract. Contractors must include a similar provision in any subcontracts for the project.

II-5. PAY EQUITY COMPLIANCE AND TRAINING CERTIFICATION

Pay Equity Compliance. As required by ORS 279C.520, Contractor must comply with ORS 652.220 and ORS 659A, and must not unlawfully discriminate against any of Contractor's employees in the payment of wages or other compensation for work of comparable character on the basis of an employee's membership in a protected class. Contractor's compliance with this section constitutes a material element of this Agreement and a failure to comply constitutes a breach that entitles the City to terminate this Agreement for cause. Contracts valued at \$500,000 with employers that have 50 or more employees are required to take Pay Equity Training and submit a certificate as proof before awarded a contract. Contractor must certify they have taken the required Pay Equity Training and provide a certificate to the City.

Free training is available through the state of Oregon's Department of Administrative Services. Details are available at <https://www.oregon.gov/das/Procurement/Pages/PayEquity.aspx>.

II-6. LICENSE REQUIRED FOR ASBESTOS ABATEMENT PROJECT

This contract does not require Contractor or subcontractor to be licensed under ORS 468A.720, regarding asbestos abatement.

II-7. CONSTRUCTION AND DEMOLITION DEBRIS/YARD WASTE MATERIALS – ORS 279C.510

Contractor is responsible for:

1. Salvaging or recycling construction and demolition debris, if feasible and cost-effective.
2. Composting or mulching yard waste material at an approved site, if feasible and cost-effective.

II-8. PROVISIONS CONCERNING ENVIRONMENTAL AND NATURAL RESOURCES LAWS

Contractor is responsible to abide by ORS 279C.525 regarding enacted ordinances, rules, or regulations as set forth by the Albany Municipal Code, Oregon Department of Environmental Quality, Department of State Lands, Environmental Protection Agency, and/or the US Army Corps of Engineers, or any other federal, state, or local agency, regarding the prevention of environmental pollution and preservation of natural resources.

II-9. PAYMENT, CONTRIBUTIONS, LIENS, WITHHOLDING – ORS 279C.505

Contractor shall:

1. Make payment promptly, as due, to all persons supplying to Contractor labor or material for the performance of the work provided for in this contract.
2. Pay all contributions or amounts due the Industrial Accident Fund from Contractor or subcontractor incurred in the performance of the contract.
3. Not permit any lien or claim to be filed or prosecuted against the City on account of any labor or material furnished.
4. Pay to the Department of Revenue all sums withheld from employees under ORS 316.167.

II-10. PAYMENT OF CLAIMS BY PUBLIC OFFICERS, PAYMENT TO PERSONS FURNISHING LABOR OR MATERIALS, AND COMPLAINTS – ORS 279C.515; OAR 839-025-0020(2)(a)

1. If Contractor fails, neglects, or refuses to pay promptly a person's claim for labor or services that the person provides to Contractor or a subcontractor in connection with this contract as the claim becomes due, the City may pay the amount of the claim to the person that provides the labor or services and charge the amount of the payment against funds due or to become due Contractor by reason of this contract.
2. If Contractor or a first-tier subcontractor fails, neglects, or refuses to pay a person that provides labor or materials in connection with this contract within 30 days after receiving payment from the City or Contractor, Contractor or first-tier subcontractor owes the person the amount due plus interest charges that begin at the end of the 10-day period within which payment is due under ORS 279C.580 (4) and that end upon final payment, unless payment is subject to a good faith dispute as defined in ORS 279C.580. The rate of interest on the amount due is nine percent per annum. The amount of interest may not be waived.
3. If Contractor or a subcontractor fails, neglects, or refuses to pay a person that provides labor or materials in connection with the public improvement contract, the person may file a complaint with the Construction Contractors Board, unless payment is subject to a good faith dispute as defined in ORS 279C.580.

II-11. CONTRACTOR'S RELATIONS WITH SUBCONTRACTORS – ORS 279C.580(3)(4)

Contractor is required to include in each subcontract for property or services contractor enters into with a first-tier subcontractor, including a material supplier, for the purpose of performing a construction contract:

1. A payment clause that obligates Contractor to pay the first-tier subcontractor for satisfactory performance under the subcontract within 10 days out of amounts the City pays to Contractor under this contract.
2. A clause that requires Contractor to provide a first-tier subcontractor with a standard form the first-tier subcontractor may use as an application for payment or as another method by which the subcontractor may claim a payment due from Contractor.
3. A clause that requires Contractor, except as otherwise provided in this paragraph, to use the same form and regular administrative procedures for processing payments during the entire term of the subcontract. Contractor may change the form or the regular administrative procedures Contractor uses for processing payments if Contractor:
 - a. Notifies the subcontractor in writing at least 45 days before the date on which Contractor makes the change; and
 - b. Includes with the written notice, a copy of the new or changed form or a description of the new or changed procedure.
4. An interest penalty clause obligating Contractor, if Contractor does not pay the first-tier subcontractor within 30 days after receiving payment from the City, to pay the first-tier subcontractor an interest penalty on amounts due in each payment Contractor does not make in accordance with the payment clause included in the subcontract under paragraph (1.) above. Contractor or first-tier subcontractor is not obligated to pay an interest penalty if the only reason Contractor or first-tier subcontractor did not make payment when payment was due is that Contractor or first-tier subcontractor did not receive payment from the City or Contractor when payment was due. The interest penalty applies to the period that begins on the day after the required payment date and that ends on the date on which the amount due is paid and is computed at the rate specified in ORS 279C.515(2).
5. A clause must be included in each of Contractor's subcontracts requiring the first-tier subcontractor to include a payment clause and an interest penalty clause that conforms to the standards of this sub-section, paragraphs 1-4 above, in each of the first-tier subcontractor's subcontracts and to require each of the first-tier subcontractor's subcontractors to include such clauses in the first-tier subcontractor's subcontracts with each lower-tier subcontractor or supplier.
6. A mandate that all subcontractors, if they were awarded a subcontract on the basis of certification as a disadvantaged, minority-owned, women-owned, or emerging small business enterprise, to maintain certification through the term of the contract.

II-12. CONDITION CONCERNING HOURS OF LABOR – ORS 279C.520

Any worker employed by Contractor may not be employed for more than 10 hours in any one day, or 40 hours in any one week, except in cases of necessity, emergency, or when the public policy absolutely requires it, the employee must be paid at least time and a half pay as follows:

1. For all overtime in excess of eight hours in any one day or 40 hours in any one week when the work week is five consecutive days, Monday through Friday; or for all overtime in excess of 10 hours in any one day or 40 hours in any one week when the work week is four consecutive days, Monday through Friday; and
2. For all work performed on Saturday and on any legal holiday specified in ORS 279C.540.

Contractor must give notice in writing to employees, who work on a public contract, either at the time of hire or before commencement of work on the contract, or by posting a notice in a location frequented by employees, of the number of hours per day and days per week the employees may be required to work.

Contractor must comply with the prohibition set forth in ORS 652.220, that compliance is a material element of the contract and a failure to comply is a breach entitling the contracting agency to terminate the contract for cause.

Contractor may not prohibit any of its employees from discussing the employee's rate of wage, salary, benefits, or other compensation with another employee or another person and may not retaliate against an employee who discusses the employee's rate of wage, salary, benefits, or other compensation with another employee or person.

II-13. TIME LIMITATION ON CLAIM FOR OVERTIME – ORS 279C.545

Any worker employed by Contractor shall be foreclosed from the right to collect for any overtime provided in ORS 279C.540 unless a claim for payment is filed with Contractor within 90 days from the completion of the contract, providing Contractor has:

1. Caused a circular clearly printed in boldfaced, 12-point type and containing a copy of ORS 279C.545 to be posted in a prominent place alongside the door of the timekeeper's office or in a similar place that is readily available and freely visible to workers employed on the work; and
2. Maintained the circular continuously posted from the inception to the completion of the contract on which workers are or have been employed.

II-14. CONDITION CONCERNING PAYMENT OF MEDICAL CARE AND PROVIDING WORKERS' COMPENSATION – ORS 279C.530

1. Contractor shall promptly, as due, make payment to any person, co-partnership, association, or corporation furnishing medical, surgical, and hospital care services or other needed care and attention, incident to sickness or injury, to the employees of Contractor, of all sums Contractor agrees to pay for the services and all moneys and sums Contractor collected or deducted from the wages of employees under any law, contract or agreement for the purpose of providing or paying for the services.
2. All subject employers working under this Contract must comply with ORS 656.017 and provide the required Workers' Compensation coverage, unless such employers are exempt under ORS 656.126. Contractor must ensure each of its subcontractors complies with these requirements.

SECTION III: TECHNICAL SPECIFICATIONS – BID ITEMS

SCHEDULE A: STREET AND STORM DRAIN CONSTRUCTION

Item No. A-1 – Mobilization:

See *Standard Construction Specifications*, Section 201.

Payment for this bid item will be on a lump-sum basis and will include all equipment, labor, materials, and incidentals required to complete the work.

Item No. A-2 – Temporary Traffic Control:

See *Standard Construction Specifications*, Section 202; the Special Provisions; and the Construction Drawings.

Payment for this bid item will be on a lump-sum basis and will include all equipment, labor, materials, and incidentals required to complete the work.

Item No. A-3 – Erosion Prevention and Sediment Control:

This item includes all work related to procuring, installing, and maintaining erosion prevention and sediment control (EPSC) measures for the duration of the project as shown on the Construction Drawings.

In the event Contractor fails to provide and maintain EPSC measures that prevent sediment from leaving the construction site, the City may require that work be stopped immediately. The City will not grant contract extensions for work stoppages based on Contractor's failure to provide and maintain EPSC measures that prevent sediment from leaving the construction site. If sediment-laden water continues to leave the site after one working day following notification by the Engineer, the City may install additional EPSC measures at Contractor's expense. The City will deduct two times (200 percent) the City's actual cost, which will include all labor, equipment, and materials involved, from any payments due or coming due to Contractor.

Payment for this bid item will be on a lump-sum basis and will include all equipment, labor, materials, and incidentals required to complete the work.

Item No. A-4 – Unclassified Excavation:

See *Standard Construction Specifications*, Section 204 and the Special Provisions.

Payment for this bid item will be on a neat line cubic-yard basis and will include all equipment, labor, materials, and incidentals required to complete the work.

Item No. A-5 – Overexcavation and Foundation Stabilization:

See *Standard Construction Specifications*, Section 204.

Subgrade geotextile fabric must be placed at the bottom of the excavation prior to backfill. The subgrade geotextile fabric must meet the Standard Specifications for Construction, Section 00350, Geosynthetic Installation, and Table 02320-1, Geotextile Property Values. The fabric must be spread uniformly over the subgrade surface to the limits as shown on the Construction Drawings and as directed by the Engineer. For areas greater than the fabric width or length, the fabric must be overlapped. The overlap must be a minimum of 24 inches. No vehicles, including construction equipment, shall be allowed directly on the fabric. All underground utilities must be tested and accepted prior to placing the geotextile fabric. No cutting or trenching through the geotextile fabric will be allowed.

Payment for this bid item will be made on a cubic-yard basis and will include all equipment, labor, materials, and incidentals required to complete the work.

Item No. A-6 – 2-Inch Cold Plane Pavement Removal:

This item provides for grinding existing asphalt pavement as shown on the Construction Drawings. The actual limits and locations of the cold plane pavement removal will be determined in the field by the Engineer.

Payment for this item will be made on a square-yard basis and must include all equipment, labor, materials, and incidentals required to complete the work.

Item No. A-7 – Fine Grade Existing Aggregate Base:

See *Standard Construction Specifications*, Section 301 and 302 and the Special Provisions.

This item provides for fine grading of the existing aggregate base prior to the start of paving to create the street cross section as shown on the Construction Drawings. Removal of surplus material and placement of additional crushed aggregate base shall be incidental to this item.

Payment for this bid item will be on a neat line square-yard basis and will include all equipment, labor, materials, and incidentals required to complete the work.

Item No. A-8 – Emulsified Asphalt Tack Coat:

Emulsified asphalt used for tack coat shall be CSS-1, CSS-1h, CMS-2, CMS-2S, CMS-2h, CRS-1, CRS-2, HFRS-2, or HFMS-2 as selected by the Contractor. Limit pumping between the bulk storage tank, hauling transportation, field storage tanks, and distributor to an absolute minimum to maintain proper viscosity. Dilution of the tack coat material may be allowed to a maximum 1:1 ratio with prior approval of the Engineer. Water shall be added as recommended by the asphalt supplier.

Surfaces that are to receive a tack coat shall be thoroughly cleaned of dust, dirt, and loose debris immediately prior to placing tack.

Tack coat shall be placed to the previous lift of asphalt concrete when more than twelve hours have elapsed before the time of placing the subsequent lift. Tack coat shall be applied at a temperature of between 140°F and 185°F, and at the rates shown below:

<u>Surface Type</u>	<u>Residual Rate (gallons per square yard)</u>
New Asphalt	0.02 to 0.05
Existing Asphalt	0.04 to 0.08

Tack coat shall be applied using an asphalt distributor that can apply the asphalt on variable surface widths up to 16 feet, at readily controlled rates and with uniform pressure. The distributor equipment shall include a tachometer, pressure gauges, accurate volume measuring devices and a thermometer for measuring the temperature of tank contents. Distributor equipment shall be equipped with a positive power unit for the asphalt pump and full circulation spray bars adjustable both laterally and vertically. The spray bar height shall be set for triple lap coverage. Tack coat applications shall be uniform both transversely and longitudinally. Applications that are streaked shall not be allowed. The tack coat shall not be applied during wet weather or when the temperature is below 40°F and shall be applied in advance of paving operations as is appropriate to maintain a tacky, sticky condition of the asphalt. Asphalt concrete shall not be placed on the tack coat until the emulsified asphalt has separated from the water.

Tack coat shall also be applied to all edges of existing pavement, gutter surfaces, manhole castings, inlet boxes and like items prior to placement of the first lift of asphalt. Placement of tack in these areas shall be incidental to this item.

Failure to apply tack coat as described above will result in the associated asphalt concrete being rejected.

Payment for this bid item will be on a square-yard basis and will include all labor, equipment, materials, and incidentals required to complete the work.

Item No. A-9 – 3/8-Inch Warm-mix Asphalt Concrete:

See *Standard Construction Specifications*, Sections 205 and 304 and the Special Provisions.

The wearing course shall be placed in one two-inch lift with a minimum density of 93 percent of the maximum density. The Contractor shall place the wearing course of asphalt the entire width of the street, including the side street intersections, on the same day. At the Contractor’s option, wearing course paving may be split into two phases east and west of Hill Street. The use of multiple independently operated paving machines may be required to meet this requirement. Tack coat shall be placed prior to paving. The Contractor shall schedule a pre-paving meeting with the Engineer at least one week prior to paving and submit a paving plan for review and approval. The plan shall outline the width, direction, and order of paving panels, expected production rates, installation of pavement markings, and how the hot mat will be protected from truck or other heavy traffic until the panel is ready to be reopened to traffic.

Warm-mix asphalt concrete shall conform to Section 00745 – Asphalt Concrete Pavement of the Oregon Standard Specifications for Construction. The Contractor shall provide a Superpave mix design for dense graded, Level 2, 3/8-inch warm-mix asphalt concrete. A mix design approved within the previous 12 months may be submitted.

Temperature-viscosity curves shall be provided for each mixture. The mix design shall include recommended temperature ranges for mixing and placement, shall be signed by a Certified Mixture Design Technician, shall be prepared according to the appropriate sections of the *Oregon Standard Specifications for Construction*.

The grade of asphalt cement used in the mix design shall be as follows:

PG 70-22: Reclaimed asphalt binder replacement less than 25 percent

PG 64-22: Reclaimed asphalt binder replacement between 25 percent and 35 percent

The reclaimed asphalt binder content shall not exceed 35 percent.

The temperature of warm-mix asphalt concrete at the time it is spread into final position shall be at least 215°F.

Payment for this bid item will be on a per-ton basis and will include all labor, equipment, materials, and incidentals required to complete the work.

Item No. A-10 – ½-Inch Warm-mix Asphalt Concrete:

See *Standard Construction Specifications*, Sections 205 and 304 and the Special Provisions.

Tack coat shall be placed prior to paving when required. The Contractor shall schedule a pre-paving meeting with the Engineer at least one week prior to paving and submit a paving plan for review and approval. The plan shall outline the width, direction, and order of paving panels, expected production rates, installation of pavement markings, and how the hot mat will be protected from truck or other heavy traffic until the panel is ready to be reopened to traffic.

Warm-mix asphalt concrete shall conform to Section 00745 – Asphalt Concrete Pavement of the Oregon Standard Specifications for Construction. The Contractor shall provide a Superpave mix design for dense graded, Level 2, ½-inch warm-mix asphalt concrete. A mix design approved within the previous 12 months may be submitted. Temperature-viscosity curves shall be provided for each mixture. The mix design shall include recommended temperature ranges for mixing and placement, shall be signed by a Certified Mixture Design Technician, shall be prepared according to the appropriate sections of the *Oregon Standard Specifications for Construction*.

The grade of asphalt cement used in the mix design shall be as follows:

PG 64-22: Reclaimed asphalt binder replacement less than 25 percent

PG 58-28: Reclaimed asphalt binder replacement between 25 percent and 35 percent

The reclaimed asphalt binder content shall not exceed 35 percent.

The temperature of warm-mix asphalt concrete at the time it is spread into final position shall be at least 215°F.

Asphalt concrete placed behind driveway approaches will be included in this item.

Payment for this bid item will be on a per-ton basis and will include all labor, equipment, materials, and incidentals required to complete the work.

Item No. A-11 – Side Street Paving:

See *Standard Construction Specifications*, Section 205 and 304.

This bid item shall include all additional equipment, labor, and materials required to complete side street connection paving between mainline paving and side street match lines as shown on the Construction Drawings and as directed by the Engineer. Ends of mainline paving with curb returns is also included in this item. Pavement section and specifications shall be the same as specified for mainline paving unless otherwise directed by the Engineer. Sawcutting of existing pavement shall be incidental to this item. Warm-mix asphalt concrete quantities shall be paid under other bid items.

Payment for this bid item will be made on a per-each basis and will cover all labor, equipment, materials, and incidentals required to complete the work.

Item No. A-12 – Asphalt Trench Patch:

See *Standard Construction Specifications* 304.

The base lifts must be ½-inch asphalt concrete with a thickness of two or three inches. Asphalt trench patch must match the existing asphalt thickness as shown on the Construction Drawings and as directed by the Engineer.

Sawcutting of existing pavement is incidental to this bid item.

Payment for this item will be made on a per-ton basis and must include all equipment, labor, materials, and incidentals required to complete the work.

Item No. A-13 – Construct PCC Valley Gutter:

See *Standard Construction Specifications*, Section 306.

This item provides for construction of concrete valley gutter at the intersection of Queen Avenue and Orchard Lane as shown on the Construction Drawings. Spandrels and adjacent curb returns will be included in this item. Concrete used for this work must have a three-day compressive strength of 4,000 psi. Sawcutting and removal of existing concrete, and preparation of aggregate base is incidental to this bid item.

Payment for this bid item will be on a lump-sum basis and will include all labor, equipment, materials, and incidentals required to complete the work.

Item No. A-14 – Remove and Replace Standard Curb and Gutter:

See *Standard Construction Specifications*, Section 306.

Concrete used for this work must have a three-day compressive strength of 4,000 psi. Sawcutting and removal of existing concrete is incidental to this bid item.

Payment for this bid item will be on a linear-foot basis and will include all labor, equipment, materials, and incidentals required to complete the work.

Item No. A-15 – Remove and Replace Straight Curb:

See *Standard Construction Specifications*, Section 306.

Concrete used for this work must have a three-day compressive strength of 4,000 psi. Sawcutting and removal of existing concrete, and preparation of aggregate base is incidental to this bid item.

Payment for this bid item will be on a linear-foot basis and will include all labor, equipment, materials, and incidentals required to complete the work.

Item No. A-16 – Remove and Replace 4-Inch PCC Sidewalk:

See *Standard Construction Specifications*, Section 306.

Concrete used for sidewalk located behind driveway approaches must have a three-day compressive strength of 4,000 psi. Sawcutting and removal of existing concrete is incidental to this bid item.

Payment for this bid item will be on a square-yard basis and will include all labor, equipment, materials, and incidentals required to complete the work.

Item No. A-17 – Remove and Replace 6-Inch PCC Driveway Approach:

See *Standard Construction Specifications*, Section 306.

Concrete used for this work must have a three-day compressive strength of 4,000 psi. Sawcutting and removal of existing concrete is incidental to this bid item.

Payment for this bid item will be on a square-yard basis and will include all labor, equipment, materials, and incidentals required to complete the work.

Item No. A-18 – Remove and Replace 8-Inch PCC Driveway Approach:

See *Standard Construction Specifications*, Section 306.

Concrete used for this work must have a three-day compressive strength of 4,000 psi. Sawcutting and removal of existing concrete is incidental to this bid item.

Payment for this bid item will be on a square-yard basis and will include all labor, equipment, materials, and incidentals required to complete the work.

Item No. A-19 – Detectable Warning Surface:

See *Standard Construction Specifications*, Section 306.

Detectable warning surfaces shall be placed as shown in the Construction Drawings. Detectable warning surfaces shall

be surface applied and safety yellow in color. Products shall be as shown below or approved equal.

<u>Manufacturer</u>	<u>Product</u>	<u>Color</u>
ADA Solutions	Surface Applied	Yellow (33538)
Armor-Tile	Surface Applied Tiles	Federal Yellow (33538)
Access Tile	Surface Applied Tiles	Federal Yellow (33538)

Payment for this bid item will be on a square-foot basis and will include all labor, equipment, materials, and incidentals required to complete the work.

Item No. A-20 to A-24 – 8-Inch, 10-Inch, 16-Inch, 18-Inch, and 24-Inch PVC Storm Drain:

See *Standard Construction Specifications*, Section 401. **SEE ADDENDUM #1 FOR CHANGES TO THIS SECTION**

Payment for this bid item will be on a linear-foot basis and will include all labor, equipment, materials, and incidentals required to complete the work.

Item No. A-25 to A-28 – 8-Inch, 10-Inch, 16-Inch, and 18-Inch D.I. Storm Drain:

See *Standard Construction Specifications*, Section 401. **SEE ADDENDUM #1 FOR CHANGES TO THIS SECTION**

Payment for this bid item will be on a linear-foot basis and will include all labor, equipment, materials, and incidentals required to complete the work.

Item No. A-29 – 15-Inch RCP Storm Drain:

See *Standard Construction Specifications*, Section 401.

Payment for this bid item will be on a linear-foot basis and will include all labor, equipment, materials, and incidentals required to complete the work.

Item No. A-30 and A-31 – 4-Inch and 6-Inch Perforated PVC Storm Drain:

See *Standard Construction Specifications*, Section 603.

This item provides for subgrade drains as shown on the Construction Drawings. Perforated pipe shall be solvent weld SDR 35 PVC with two rows of 1/2-inch holes 5 inches on center 120 degrees apart. The pipe shall be installed with the holes centered on the bottom of the pipe. Silt sock shall be ADS Sock synthetic wrap by Advanced Drainage Systems, Inc., or approved equal. Trench backfill shall be 3/4-inch-minus select backfill manufactured from crushed river rock.

Payment for this bid item will be on a linear-foot basis and will include all labor, equipment, materials, and incidentals required to complete the work.

Item No. A-32 – 6-Inch PVC Storm Drain Service:

See *Standard Construction Specifications*, Section 401 and the Construction Drawings

Installation of property line cleanouts as shown on the Construction Drawings and applicable standard drawings will be paid under a separate item.

Payment for this bid item will be made on a per-each basis and will include all equipment, labor, materials, and incidentals required to complete the work.

Item No. A-33 – Property Line Clean-Out:

See Standard Drawing No. 411 and *Standard Construction Specifications*, Section 401.

This bid item provides for the construction of 4-inch cleanouts on storm drain service laterals at property lines as shown on the Construction Drawings.

Payment for this bid item will be on a per-each basis and will include all labor, equipment, materials, and incidentals required to complete the work.

Item No. A-34 – Connect to Existing 6-Inch D.I. Storm Drain Service:

See *Standard Construction Specifications*, Section 401 and the Construction Drawings

This item provides for connection to an existing 6-inch D.I. storm drain service to the new storm drain main as shown on the Construction Drawings and as directed by the Engineer.

Payment for this bid item will be made on a lump sum basis and will include all equipment, labor, materials, and incidentals required to complete the work.

Item No. A-35 – Curb Drain:

See *Standard Construction Specifications*, Section 306.

Curb drain locations will be marked in the field by the Engineer.

Payment for this bid item will be on a linear-foot basis and will include all labor, equipment, materials, and incidentals required to complete the work.

Item No. A-36 – Adjust Manhole Rim to Grade:

See *Standard Construction Specifications*, Section 402.

Unless otherwise directed by the Engineer, all manholes within the roadway shall be paved over and adjusted to grade after paving is completed per Standard Drawing No. 409 using circular sawcutting. Diamond cutting will not be allowed. Manholes within sidewalks and driveway approaches must be adjusted to grade prior to final placement of concrete. Removal and replacement of the frame and cover is included in this item.

Payment for this bid item will be on a per-each basis and will include all labor, equipment, materials, and incidentals required to complete the work.

Item No. A-37 – Adjust Water Fixtures to Grade:

See *Standard Construction Specifications*, Section 501 and the Construction Drawings.

This item provides for adjusting water valve boxes to finished grade. Damaged valve boxes must be replaced at the Contractor's expense.

Payment for this bid item will be made on a lump-sum basis and will include all equipment, labor, materials, and incidentals required to complete the work.

Item No. A-38 – 24-Inch Mini-Manhole:

See *Standard Construction Specifications* Sections, 402 and 403 and the Construction Drawings.

This bid item includes construction of a new 24-inch mini-manhole per the *Standard Construction Specifications*, applicable Standard Drawings, and the Construction Drawings. Pipe connections to the manhole are incidental to this bid item.

Payment for this bid item will be on a per-each basis and will include all labor, equipment, materials, and incidentals required to complete the work.

Item No. A-39 – Shallow Precast Manhole: **SEE ADDENDUM #1 FOR CHANGES TO THIS SECTION**

See *Standard Construction Specifications* Sections, 402 and 403 and the Construction Drawings.

This bid item includes construction of a new shallow precast manhole per the *Standard Construction Specifications*, applicable Standard Details, and the Construction Drawings. Pipe connections to the manhole must be incidental to this bid item.

Payment for this bid item will be on a per-each basis and will include all labor, equipment, materials, and incidentals required to complete the work.

Item No. A-40 – Shallow Cast-In-Place Base Manhole:

See *Standard Construction Specifications* Sections, 402 and 403 and the Construction Drawings.

This bid item includes construction of a new shallow cast-in-place base manhole per the *Standard Construction Specifications*, applicable Standard Details, and the Construction Drawings. Pipe connections to the manhole will be incidental to this bid item.

Payment for this bid item will be on a per-each basis and will include all labor, equipment, materials, and incidentals required to complete the work.

Item No. A-41 – Standard Precast Manhole:

See *Standard Construction Specifications* Sections, 40 **SEE ADDENDUM #1 FOR CHANGES TO THIS SECTION**

This bid item includes construction of a new standard precast manhole per the *Standard Construction Specifications*, applicable Standard Details, and the Construction Drawings. Pipe connections to the manhole must be incidental to this bid item.

Payment for this bid item will be on a per-each basis and will include all labor, equipment, materials, and incidentals required to complete the work.

Item No. A-42 – 60-Inch Precast Manhole: **SEE ADDENDUM #1 FOR CHANGES TO THIS SECTION**

See *Standard Construction Specifications* Sections, 402 and 403 and the Construction Drawings.

This bid item includes construction of a new 60-inch diameter precast manhole per the *Standard Construction Specifications*, applicable Standard Details, and the Construction Drawings. Pipe connections to the manhole must be incidental to this bid item. Interior joints between new precast manhole components must be sealed with approved non-shrink grout. The bench must be constructed with a 1:12 slope to the springline of the pipe.

Payment for this bid item will be on a per-each basis and will include all equipment, labor, materials, and incidentals required to complete the work.

Item No. A-43 – 60-Inch Cast-In-Place Base Manhole:

See *Standard Construction Specifications* Sections, 402 and 403 and the Construction Drawings.

This bid item includes construction of a new 60-inch diameter cast-in-place base manhole per the *Standard Construction Specifications*, applicable Standard Details, and the Construction Drawings. Pipe connections to the manhole must be incidental to this bid item. Interior joints between new precast manhole components must be sealed with approved non-shrink grout. The bench must be constructed with a 1:12 slope to the springline of the pipe.

Payment for this bid item will be on a per-each basis and will include all equipment, labor, materials, and incidentals required to complete the work.

Item No. A-44 – 72-Inch Hydrodynamic Separator:

See *Standard Construction Specifications* Sections, 402 and 403 and the Construction Drawings.

This bid item includes construction of new 72-inch diameter CDS 3035-6-C hydrodynamic separator as manufactured by Contech Engineered Solutions LLC or approved equal per the *Standard Construction Specifications* and the Construction Drawings. The Contractor must coordinate with the manufacturer to have a representative on-site during installation per Contech's recommendations. Contech contact information is provided below:

Randall Fryland
Contech Engineered Solutions LLC
Designer – Stormwater Products
Office: (503) 446-6718 FAX: (503) 395-2917
Email: Randall.Fryland@conteches.com

Pipe connections to the structure will be incidental to this bid item.

Payment for this bid item will be on a lump-sum basis and will include all equipment, labor, materials, and incidentals required to complete the work.

Item No. A-45 – Connect to Existing Manhole:

See *Standard Construction Specifications* Sections, 402 and 403 and the Construction Drawings.

This bid item includes construction of new connections to existing manholes per the *Standard Construction Specifications*, applicable Standard Drawings, and the Construction Drawings. Pipe connections to the manhole must be incidental to this bid item. New pipe connections to manholes must be core drilled.

Payment for this bid item will be on a per-each basis and will include all equipment, labor, materials, and incidentals required to complete the work

Item No. A-46 – Remove and Replace Curb Inlet Top:

See *Standard Construction Specifications*, Section 402.

This item provides for removal of top sections of existing curb inlets and replacement with new curb inlet tops as shown on the Construction Drawings.

Payment for this bid item will be on a per-each basis and will include all equipment, labor, materials, and incidentals required to complete the work.

Item No. A-47 – Standard Curb Inlet:

See *Standard Construction Specifications*, Section 402.

Payment for this bid item will be on a per-each basis and will include all equipment, labor, materials, and incidentals required to complete the work.

Item No. A-48 – Catch Basin: SEE ADDENDUM #1 FOR CHANGES TO THIS SECTION

See *Standard Construction Specifications*, Section 402.

Payment for this bid item will be on a per-each basis and will include all equipment, labor, materials, and incidentals required to complete the work.

Item No. A-49 – Install Underground Utility Support:

See *Standard Construction Specifications*, Section 403.

This item provides for installation of underground utility support around new and existing pipes as shown on the Construction Drawings and as directed by the Engineer. Controlled density fill must have a compressive strength between 50 and 200 psi.

Payment for this bid item will be on a per-each basis and will include all labor, equipment, materials, and incidentals required to complete the work.

Item No. A-50 – Remove Existing Storm Drain:

See *Standard Construction Specifications*, Section 403.

This item provides for removal of existing storm drains and backfilling with select backfill as shown on the Construction Drawings and as directed by the Engineer.

Payment for this bid item will be on a linear-foot basis and will include all labor, equipment, materials, and incidentals required to complete the work.

Item No. A-51 – Remove Existing Catch Basin:

See *Standard Construction Specifications*, Section 403.

This item provides for removal of existing catch basins and backfilling with select backfill as shown on the Construction Drawings and as directed by the Engineer.

Payment for this bid item will be on a per-each basis and will include all equipment, labor, materials, and incidentals required to complete the work.

Item No. A-52 – Remove Existing Manhole:

This bid item provides for the complete removal of manholes as shown on the Construction Drawings. The entire manhole must be removed, and the entire excavation backfilled with select backfill.

Payment for this bid item will be made on a per-each basis and will include all equipment, labor, materials, and incidentals required to complete the work.

Item No. A-53 – Abandon Existing Storm Drain:

See the Special Provisions and Construction Drawings.

This bid item includes provision and installation of all specified and unspecified materials necessary to abandon existing storm drains in-place as shown on the Construction Drawings. Pipes to be abandoned must be pumped full of cellular concrete or flowable controlled density fill. The cellular concrete or flowable controlled density fill must be able to flow

through the existing pipes to fill all voids and must have a compressive strength between 50 and 200 psi. The Contractor must provide a mix design for approval by the Engineer prior to the start of work. The Contractor must monitor the pumping of cellular concrete or flowable controlled density fill and ensure the material does not overflow. Any additional excavation required to complete this work will be incidental to this bid item.

There are approximately 25 feet of 24-inch pipe, 260 feet of 12-inch pipe, 310 feet of 10-inch pipe and 360 feet of 8-inch pipe to be abandoned.

Payment for this bid item will be made on a linear-foot basis and must include all equipment, labor, materials, and incidentals required to complete the work.

Item No. A-54 – Abandon Existing Storm Drain Connection:

See the Special Provisions and Construction Drawings.

This bid item includes provision and installation of all specified and unspecified materials necessary to abandon existing 10-inch storm drain connections to existing storm drains as shown on the Construction Drawings.

Payment for this bid item will be made on a per-each basis and must include all equipment, labor, materials, and incidentals required to complete the work.

Item No. A-55 – Abandon Existing Manhole:

See *Standard Construction Specifications*, Section 403.

This bid item provides for the abandonment of manholes in-place as shown on the Construction Drawings. Abandoned pipe connections to the manhole shall be plugged with grout. The manhole base and barrel sections up to six feet below grade may remain in place. The top six feet of the manhole shall be removed, and the entire structure backfilled with select backfill.

Payment for this bid item will be on a per-each basis and will include all labor, equipment, materials, and incidentals required to complete the work. Payment for surface restoration shall be paid for under the appropriate bid items.

Items No. A-56 to A-62 – Thermoplastic Pavement Markings:

See *Standard Construction Specifications*, Section 304

These items must include all work to furnish and install pavement markings. Lane line markings must be extruded profiled or extruded non-profiled (Method A) thermoplastic as specified on the Construction Drawings and as in Section 00865 of the *Oregon Standard Specifications for Construction*. Markings used for legends, symbols, crosswalks, and stop bars must be PreMark as manufactured by Flint Trading, Inc., or approved equal. All pavement markings must be installed in accordance with the Construction Drawings and Special Provisions, the *Manual on Uniform Traffic Control Devices*, and the *Oregon Standard Specifications for Construction*.

<u>Item Number/Description</u>	<u>Pay Unit</u>
A-56. 4-inch Yellow Profiled Thermoplastic Stripe	Linear foot
A-57. 8-inch White Non-Profiled Thermoplastic Stripe	Linear foot
A-58. 12-inch White Non-Profiled Thermoplastic Stripe	Linear foot
A-59. Thermoplastic Bicycle Lane Legend	Each
A-60. Thermoplastic School Legend	Each
A-61. Thermoplastic Single Arrow Legend	Each
A-62. Thermoplastic Double Arrow Legend	Each

Payment for these bid items will be on a linear-foot-applied or per-each basis, as indicated in the Schedule of Contract Prices and will include all labor, equipment, materials, and incidentals required to complete the work.

Item No. A-63 – Raised Reflectorized Pavement Marker:

See *Standard Construction Specifications*, Section 304 and the Construction Drawings.

The raised reflectorized pavement markers and adhesive must conform to the requirements of the *Oregon Standard Specifications for Construction* and must be installed in accordance with the manufacturer's recommendations, and in accordance with the *Manual on Uniform Traffic Control Devices*. Raised reflectorized pavement markers must be placed as

shown on the Construction Drawings and as directed by the Engineer. The City estimates there are approximately 285 yellow pavement markers and approximately 40 white pavement markers.

Payment for this bid item will be on a per-each basis and will include all labor, equipment, materials, and incidentals to complete the work.

Item No. A-64 – Painted Yellow Curb:

See *Standard Construction Specifications*, Section 304

The street curb must be painted yellow where shown on the Construction Drawings and as directed by the Engineer. Painting materials must conform to the Oregon Department of Transportation's Specifications for White and Yellow Water-Borne Traffic Line Bead Binder Paint.

Payment for this bid item will be on a linear-foot basis and will include all labor, equipment, materials, and incidentals required to complete the work.

Item No. A-65 – Remove Existing Striping:

See the Construction Drawings.

This bid item includes removal of existing striping by microgrinding as shown on the Construction Drawings and as directed by the Engineer. There are approximately 200 feet of 4-inch stripe, 150 feet of 8-inch stripe, 175 feet of 12-inch stripe and three turn arrow legends to be removed.

Payment for this bid item will be on a lump-sum basis and will include all labor, equipment, materials, and incidentals required to complete the work.

Item No. A-66 – Install New Street Signs:

See the Construction Drawings.

This bid item includes provision and installation of all new street signs shown on the Construction Drawings. All new street signs must be in place prior to the paving of the final lift of asphalt.

The new sign base must be a V-Loc Socket, installed flush with the finish surface with the wedge pointed towards approaching traffic. Sign posts must be round, 2³/₈-inch, 0.095 gauge, galvanized, steel pipe posts. The signs must be mounted on the post with Hawkins, Single Clamp on, U-Brackets, with hex-head screws. Galvanized, press-on pipe caps must be installed. New signs must use diamond grade sheeting as manufactured by 3M.

Payment for this bid item will be on a lump-sum basis and will include all labor, equipment, materials, and incidentals required to complete the work.

Item No. A-67 – Relocate Existing Street Sign:

See the Construction Drawings.

This bid item includes relocating the existing street signs as shown on the plans or as directed by the Engineer. For sign relocation, the existing post and base must be removed. All existing street signs must be relocated prior to the paving of the final lift of asphalt.

The new base must be a V-Lock Socket, installed flush with the finish surface with the wedge pointed towards approaching traffic. If the existing posts are damaged, they must be replaced with round, 2³/₈-inch, 0.095 gauge, galvanized steel pipe posts. The existing signs must be remounted on the post with Hawkins, Single Clamp On, U-brackets, with hex-head screws. Galvanized press-on pipe caps must be installed. If existing signs are damaged, they must be replaced with new signs of the same type and size using diamond grade sheeting as manufactured by 3M.

Payment for this bid item will be on a per-each basis and will include all equipment, labor, materials, and incidentals required to complete the work.

Item No. A-68 – Relocate Existing Clustered Mailbox Unit:

This item provides for relocating existing cluster mailbox units (CBUs) and parcel lockers as shown on the Construction Drawings. The CBUs must be installed per United States Postal Service (USPS) requirements. Contractor must coordinate with the Engineer to allow the final installation to be inspected by the USPS. The CBU must be installed

on a four-inch thick concrete base pad (paid under a separate bid item). The concrete base pad must be sized as directed by the Engineer.

The Contractor shall maintain access to cluster mailbox units during construction.

Payment for this bid item will be made on a per-each basis and will include all equipment, labor, materials, and incidentals required to complete the work.

Item No. A-69 – Install RRFB Pedestrian Crossing at Broadway Street:

See the Construction Drawings.

This bid item includes provision and installation of pedestrian-activated solar-powered rectangular rapid flashing beacon (RRFB) assemblies at the intersection of Queen Avenue and Broadway Street as shown on the Construction Drawings. The sign assemblies shall be rapid rectangular flashing beacons as specified and approved by the Oregon Department of Transportation.

Payment for this bid item will be made on a lump-sum basis and will include all equipment, labor, materials, and incidentals required to complete the work.

Item No. A-70 – Install RRFB Pedestrian Crossing at Umatilla Street:

See the Construction Drawings.

This bid item includes provision and installation of pedestrian-activated solar-powered rectangular rapid flashing beacon (RRFB) assemblies at the intersection of Queen Avenue and Umatilla Street as shown on the Construction Drawings. The sign assemblies shall be rapid rectangular flashing beacons as specified and approved by the Oregon Department of Transportation.

Payment for this bid item will be made on a lump-sum basis and will include all equipment, labor, materials, and incidentals required to complete the work.

Items No. A-71 – Modify and Restore Traffic Signal:

See the Construction Drawings and Appendix A – Traffic Signal Technical Specifications.

This item includes all work related to modifying the traffic signal at Queen Avenue and Elm Street and installing new detection loops as shown on the Construction Drawings. Following installation, Contractor must arrange for and coordinate with ODOT signal maintenance staff for inspection of the work.

Payment for this bid item will be on a lump-sum basis and will include all equipment, labor, materials, and incidentals required to complete the work.

Item No. A-72 – General Landscape Restoration:

See Special Provisions and the *Standard Construction Specifications*, Section 209.

This item provides for restoration of landscape strip areas and for preparation of cut and fill slopes as shown on the Construction Drawings. Areas with existing soil must be prepared with two to three inches of ODOT-approved medium-coarse compost. Areas requiring fill to meet specified grades must be prepared with additional topsoil prior to placing compost. All topsoil must be lightly compacted to prevent settling.

Seeding must be applied to all disturbed areas unless otherwise directed by the Engineer. Seeding must be raked into the top inch of the compost. Use one of the following seed mixes or approved equal:

1. Dwarf Grass Mix (low height, low maintenance)
Dwarf Perennial Ryegrass, 80 percent by weight
Creeping Red Fescue, 20 percent by weight
Application rate: 100 pounds minimum per acre

2. Standard Height Grass Mix
Annual Ryegrass, 40 percent by weight
Turf-type Fescue, 60 percent by weight
Application rate: 100 pounds minimum per acre

Unless specifically called out for removal in these Specifications or the Construction Drawings, any trees, shrubs, bushes, or plants destroyed by construction activities must be replaced with new trees, shrubs, bushes, and plants obtained from

a reputable nursery. New trees must be of the same species with a minimum height of six feet. New shrubs, bushes, and plants must be of the same species as those removed. The original trees, shrubs, bushes, and plants must not be replanted.

Payment for this bid item will be made on a lump-sum basis and will constitute full compensation for all materials, equipment, labor, and incidentals to complete the work.

Item No. A-73 – Early Completion Bonus:

See the Special Provisions.

Payment for this bid item will be made on a per-calendar day basis up to a maximum amount of \$75,000 as described in Section I of these Special Provisions.

SEE ADDENDUM #1 FOR CHANGES TO THIS SECTION

SCHEDULE B: WATER LINE CONSTRUCTION

Item No. B-1 – Mobilization:

See *Standard Construction Specifications*, Section 201.

Payment for this bid item will be on a lump-sum basis and will include all equipment, labor, materials, and incidentals required to complete the work.

Item No. B-2 – Temporary Traffic Control:

See *Standard Construction Specifications*, Section 202; the Special Provisions; and the Construction Drawings.

Payment for this bid item will be on a lump-sum basis and will include all equipment, labor, materials, and incidentals required to complete the work.

Item No. B-3 – Erosion Prevention and Sediment Control:

This item includes all work related to procuring, installing, and maintaining erosion prevention and sediment control (EPSC) measures for the duration of the project as shown on the Construction Drawings.

In the event Contractor fails to provide and maintain EPSC measures that prevent sediment from leaving the construction site, the City may require that work be stopped immediately. The City will not grant contract extensions for work stoppages based on Contractor's failure to provide and maintain EPSC measures that prevent sediment from leaving the construction site. If sediment-laden water continues to leave the site after one working day following notification by the Engineer, the City may install additional EPSC measures at Contractor's expense. The City will deduct two times (200 percent) the City's actual cost, which will include all labor, equipment, and materials involved, from any payments due or coming due to Contractor.

Payment for this bid item will be on a lump-sum basis and will include all equipment, labor, materials, and incidentals required to complete the work.

Item No. B-4 – Jack-and-Bore 24-Inch Steel Casing with 12-Inch Ductile Iron Water Line

See *Standard Construction Specifications*, Section 207 and the Union Pacific Crossing Agreement (see Appendix E and F).

This bid item provides for boring and jacking a 24-inch steel casing pipe under the railroad crossing on Queen Avenue as shown on the Construction Drawings. The 12-inch ductile iron water line inside the casing is included in this bid item. Positive axial lock ductile iron pipe shall be used within the casing. Push-on joints with locking gaskets will not be allowed within the casing.

The casing must be 24-inch diameter ASTM A53, Type E, with minimum wall thickness of 0.375-inches. Calpico Model "M" pipe insulators with standard type skids must be installed, two per pipe, located 4½ feet from each end of the pipe. Each end of the steel casing must be plugged with a minimum 6 inches of grout to prevent the movement of material into the casing. No material shall be placed in the annular space between the casing and carrier pipes.

Contractor shall be responsible for potholing existing utilities and verifying depth prior to the bore. The cost of potholes and repairs must be incidental to this bid item. Contractor shall be responsible for any damage to underground utilities resulting from the boring.

All work and materials must conform to *Standard Construction Specifications* Section 207 and the permits issued by the Union Pacific Railroad attached in Appendix E.

Payment for this bid item will be on a linear-foot basis and will include all equipment, labor, materials, and incidentals required to complete the work.

Item No. B-5 to B-7 – 16-Inch, 12-Inch and 8-Inch Ductile Iron Water Line:

See *Standard Construction Specifications*, Section 501.

Payment will be made on a linear-foot basis for pipe that has successfully passed pressure testing and disinfection procedures and must include all equipment, labor, materials, and incidentals required to complete the work. Pipe that has been installed but not successfully pressure tested and disinfected will be paid for in an amount equal to 50 percent of the length of the untested pipe.

Item No. B-8 to B-10 – 16-Inch, 12-Inch and 10-Inch Butterfly Valve:

See *Standard Construction Specifications*, Section 502.

Provision and installation of retainer glands on valves, when specified on the Construction Drawings, is incidental to this bid item.

Payment will be made on a per-each basis and must include all equipment, labor, materials, and incidentals to complete the work.

Item No. B11 to B13 – 8-Inch, 6-Inch and 4-Inch Gate Valve:

See *Standard Construction Specifications*, Section 502.

Provision and installation of retainer glands on valves, when specified on the Construction Drawings, is incidental to this bid item.

Payment will be made on a per-each basis and must include all equipment, labor, materials, and incidentals to complete the work.

Item No. B-14 – 1-Inch Combination Air/Vacuum Release Valve:

See *Standard Construction Specifications*, Section 502.

No additional compensation will be made to Contractor if this bid item is not used or if bid quantities are reduced/increased.

Payment for this bid item will be made on a per-each basis and must include all equipment, labor, materials, and incidentals required to complete the work.

Item No. B-15 – Standard 1-Inch Service Assembly:

See *Standard Construction Specifications*, Section 504

Copper pipe shall be used for all water services. The Engineer will visually inspect all copper services prior to backfilling. Contractor must coordinate with the Engineer to ensure these inspections occur in a timely manner.

Provision and installation of meter boxes, including adjustment to finish grade, will be incidental to this bid item. Provision and installation of 1-inch angle meter valve and customer service valve must be incidental to this bid item.

In addition to provision and installation of all components specified on the Construction Drawings, *Standard Construction Specifications*, and Special Provisions, this bid item includes labor, equipment, and materials required to locate existing private service lines where necessary, provision and installation of unspecified materials that will be necessary to connect the existing private service to the new meter assembly, abandonment of existing meter assemblies where specified, removal and reinstallation of pressure reducing valves where encountered, and any costs associated with cleaning and testing backflow devices and other fixtures disabled by debris from the new water line.

All materials and workmanship completed on the private side of the meter must be in accordance with the current local Plumbing Code and must be performed by a licensed plumber. The City will acquire the necessary plumbing permit(s) required for work on private property related to this bid item. The Contractor is responsible for all work required to coordinate and schedule required inspections. Contractor must protect existing trees and landscaping. Restoration of private driveway and sidewalk, if necessary, will be paid for under a separate bid item.

Existing water meters will be reused unless otherwise noted on the Construction Drawings. The City will supply new water meters where required. Contractor must be responsible for supplying required adapters on the public and private side of all water meters.

When changing out meters, Contractor must place the old meter on top of the meter box. The City inspector will collect old meters and record pertinent information.

Payment for this bid item will be made on a per-each basis and will include all equipment, labor, materials, and incidentals required to complete the work.

Item No. B-16 – Expose Existing 2-Inch Service:

See *Standard Construction Specifications*, Section 504

This item provides for excavating and exposing an existing 2-inch water service and installing a new meter box as shown on the Construction Drawings and as directed by the Engineer.

Payment for this bid item will be made on a lump-sum basis and will include all equipment, labor, materials, and incidentals required to complete the work.

Item No. B-17 – Standard Fire Hydrant Assembly:

See *Standard Construction Specifications*, Section 503.

Provision and installation of retainer glands and locking gaskets in these assemblies is incidental to this bid item. Payment for six-inch ductile iron piping is included in this bid item. Payment for the six-inch gate valves will be paid under a separate bid item.

Payment for this bid item will be made on a per-each basis and will include all equipment, labor, materials, and incidentals required to complete the work.

Item No. B-18 – Remove Existing Fire Hydrant Assembly:

This item provides for removing the fire hydrant assembly in full, including the valve box and lid, and disposal of the materials in a legal manner off-site. Hydrants to be removed are shown on the Construction Drawings. The City reserves the right to salvage any fire hydrant.

Surface restoration must be paid under the appropriate separate bid items.

Payment for this bid item will be made on a per-each basis and will include all equipment, labor, materials, and incidentals required to complete the work.

Item No. B-19 – Coordinate 10-Inch × 8-Inch Live Tap:

See *Standard Construction Specifications*, Section 501 and Construction Drawings.

The City will supply the tapping sleeves used to tap the 10-inch ductile iron water line. The tapping sleeves will be a full-circle, stainless steel-type sized to fit the actual diameter of the existing water line. A&A Drilling Service, Inc., 503-284-3701, P.O. Box 585, Clackamas, Oregon 97015, will perform the live tap. Any additional labor, materials, and equipment necessary to complete the live tap must be provided by Contractor.

Contractor must coordinate the live tap with A&A Drilling, Inc. In addition to coordination, Contractor must provide all labor, equipment, and materials required to pothole the 10-inch ductile iron water line as necessary to allow A&A Drilling, Inc., to perform the live tap. In general, minimum excavation requirements are a 3-foot wide trench, 1 foot below and behind the 10-inch water line, and 6 feet in front of the 10-inch water line.

The live tap assembly must be supported at all times. Contractor shall be responsible for providing all required temporary and permanent support. Permanent support by means of precast or cast-in place concrete is required. Precast support blocking must utilize permanent hardwood shims to transfer the load to the blocks. Cast-in-place concrete support will require temporary support that is shimmed to support the assemblies prior to placing concrete. Contractor must also install concrete thrust blocking behind the live tap which will be paid under a separate bid item.

Installation and removal of the chlorination tap will be considered incidental to this bid item.

Payment for this bid item will be made on a lump-sum basis and must include all equipment, labor, materials, and incidentals required to complete the work.

Item No. B-20 – Construct Concrete Thrust Block:

See *Standard Construction Specifications*, Section 501 and Construction Drawings.

This bid item includes provision and installation of all specified and unspecified materials necessary to construct concrete thrust blocks and thrust collars where shown on the Construction Drawings.

Payment for this bid item will be made on a per-each basis and shall include all equipment, labor, materials, and incidentals required to complete the work.

Item No. B-21 – 16-Inch × 16-Inch Connection Assembly:

See the Special Provisions and Construction Drawings.

This bid item includes provision and installation of all specified and unspecified materials necessary to connect the existing 16-inch asbestos cement water line and the new 16-inch ductile iron water line and coordination of a scheduled water shutdown. Abandoned piping must be plugged with concrete a minimum distance equal to two pipe diameters.

Provision and installation of retainer glands is incidental to this bid item. Payment for 16-inch ductile iron piping will be included in this bid item.

Payment for this bid item will be made on a per-each basis and must include all equipment, labor, materials, and incidentals required to complete the work.

Item No. B-22 – 12-Inch × 12-Inch × 8-Inch Connection Assembly:

See the Special Provisions and Construction Drawings.

This bid item includes provision and installation of all specified and unspecified materials necessary to connect the existing 12-inch, 10-inch, and 8-inch ductile iron water lines and the new 12-inch ductile iron water line and coordination of a scheduled water shutdown. Abandoned piping must be plugged with concrete a minimum distance equal to two pipe diameters.

Provision and installation of locking gaskets and retainer glands are incidental to this bid item. Payment for 12-inch ductile iron piping will be included in this bid item.

Payment for this bid item will be made on a lump-sum basis and must include all equipment, labor, materials, and incidentals required to complete the work.

Item No. B-23 – 12-Inch × 12-Inch Connection Assembly:

See the Special Provisions and Construction Drawings.

This bid item includes provision and installation of all specified and unspecified materials necessary to connect the existing 12-inch ductile iron water line and the new 12-inch ductile iron water line and coordination of a scheduled water shutdown. Abandoned piping must be plugged with concrete a minimum distance equal to two pipe diameters.

Provision and installation of locking gaskets and retainer glands are incidental to this bid item. Payment for 12-inch ductile iron piping will be included in this bid item.

Payment for this bid item will be made on a per-each basis and must include all equipment, labor, materials, and incidentals required to complete the work.

Item No. B-24 – 12-Inch × 6-Inch Connection Assembly:

See the Special Provisions and Construction Drawings.

This bid item includes provision and installation of all specified and unspecified materials necessary to connect the existing 6-inch asbestos cement water line and the new 8-inch ductile iron water line and coordination of a scheduled water shutdown. Abandoned piping must be plugged with concrete a minimum distance equal to two pipe diameters.

Provision and installation of locking gaskets and retainer glands are incidental to this bid item. Payment for 6-inch ductile iron piping will be included in this bid item.

Payment for this bid item will be made on a lump-sum basis and must include all equipment, labor, materials, and incidentals required to complete the work.

Item No. B-25 – 12-Inch × 2-Inch Connection Assembly:

See the Special Provisions and Construction Drawings.

This bid item includes provision and installation of all specified and unspecified materials necessary to connect the existing 2-inch PVC water line and the new 12-inch ductile iron water line and coordination of a scheduled water shutdown. Abandoned piping must be plugged with concrete a minimum distance equal to two pipe diameters.

Provision and installation of locking gaskets and retainer glands are incidental to this bid item. Payment for piping will be included in this bid item.

Payment for this bid item will be made on a lump-sum basis and must include all equipment, labor, materials, and incidentals required to complete the work.

Item No. B-26 – 8-Inch × 8-Inch Connection Assembly:

See the Special Provisions and Construction Drawings.

This bid item includes provision and installation of all specified and unspecified materials necessary to connect the existing 8-inch ductile iron water line and the new 8-inch ductile iron water line and coordination of a scheduled water shutdown. Abandoned piping must be plugged with concrete a minimum distance equal to two pipe diameters.

Provision and installation of locking gaskets and retainer glands are incidental to this bid item. Payment for 8-inch ductile iron piping will be included in this bid item.

Payment for this bid item will be made on a per-each basis and must include all equipment, labor, materials, and incidentals required to complete the work.

Item No. B-27 – 8-Inch × 4-Inch Connection Assembly:

See the Special Provisions and Construction Drawings.

This bid item includes provision and installation of all specified and unspecified materials necessary to connect the existing 4-inch ductile iron water line and the new 8-inch ductile iron water line and coordination of a scheduled water shutdown. Abandoned piping must be plugged with concrete a minimum distance equal to two pipe diameters.

Provision and installation of locking gaskets and retainer glands are incidental to this bid item. Payment for 4-inch ductile iron piping will be included in this bid item.

Payment for this bid item will be made on a per-each basis and must include all equipment, labor, materials, and incidentals required to complete the work.

Item No. B-28 – 2-Inch × 1½-Inch Connection Assembly:

See the Special Provisions and Construction Drawings.

This bid item includes provision and installation of all specified and unspecified materials necessary to connect the existing 1½-inch copper water line and the new 2-inch copper water line and coordination of a scheduled water shutdown. Abandoned piping must be plugged with concrete a minimum distance equal to two pipe diameters.

Payment for copper and brass piping will be included in this bid item.

Payment for this bid item will be made on a lump-sum basis and must include all equipment, labor, materials, and incidentals required to complete the work.

Item No. B-29 – Cut-In 24-Inch × 8-Inch Cross:

See Special Provisions and Construction Drawings.

This bid item includes provision and installation of all specified and unspecified materials necessary to cut-in a new 24-inch x 8-inch ductile iron cross on an existing 24-inch ductile iron water line as shown on the Construction Drawings and coordination of a scheduled water shutdown.

Provision and installation of retainer glands is incidental to this bid item. Payment for ductile iron piping and fittings shall be included in this bid item. Payment for valves will be under separate bid items.

Payment for this bid item will be made on a lump-sum basis and shall include all equipment, labor, materials, and incidentals required to complete the work.

Item No. B-30 – Cut-In 12-Inch × 12-Inch Tee:

See Special Provisions and Construction Drawings.

This bid item includes provision and installation of all specified and unspecified materials necessary to cut-in a new 12-inch x 12-inch ductile iron tee on an existing 12-inch ductile iron water line as shown on the Construction Drawings and coordination of a scheduled water shutdown.

Provision and installation of retainer glands is incidental to this bid item. Payment for ductile iron piping and fittings shall be included in this bid item. Payment for valves will be under separate bid items.

Payment for this bid item will be made on a lump-sum basis and shall include all equipment, labor, materials, and incidentals required to complete the work.

Item No. B-31 – Cut-In 12-Inch × 8-Inch Cross:

See Special Provisions and Construction Drawings.

This bid item includes provision and installation of all specified and unspecified materials necessary to cut-in a new 12-inch x 8-inch ductile iron cross on an existing 12-inch ductile iron water line as shown on the Construction Drawings and coordination of a scheduled water shutdown.

Provision and installation of retainer glands is incidental to this bid item. Payment for ductile iron piping and fittings shall be included in this bid item. Payment for valves will be under separate bid items.

Payment for this bid item will be made on a lump-sum basis and shall include all equipment, labor, materials, and incidentals required to complete the work.

Item No. B-32 – Cut-In 10-Inch × 10-Inch Tee:

See Special Provisions and Construction Drawings.

This bid item includes provision and installation of all specified and unspecified materials necessary to cut-in a new 10-inch x 10-inch ductile iron tee on an existing 10-inch ductile iron water line as shown on the Construction Drawings and coordination of a scheduled water shutdown.

Provision and installation of retainer glands is incidental to this bid item. Payment for ductile iron piping and fittings shall be included in this bid item. Payment for valves will be under separate bid items.

Payment for this bid item will be made on a lump-sum basis and shall include all equipment, labor, materials, and incidentals required to complete the work.

Item No. B-33 – Cut-In 8-Inch × 6-Inch Tee:

See Special Provisions and Construction Drawings.

This bid item includes provision and installation of all specified and unspecified materials necessary to cut-in a new 8-inch x 6-inch ductile iron tee on an existing 6-inch asbestos cement water line as shown on the Construction Drawings and coordination of a scheduled water shutdown.

Provision and installation of retainer glands is incidental to this bid item. Payment for ductile iron piping and fittings shall be included in this bid item. Payment for valves will be under separate bid items.

Payment for this bid item will be made on a lump-sum basis and shall include all equipment, labor, materials, and incidentals required to complete the work.

Item No. B-34 – Install 32# Sacrificial Anode:

See *Standard Construction Specifications*, Section 501 and Construction Drawings.

This item provides for installation of sacrificial anodes on ductile iron fittings with flanged connections and new live tap assemblies as shown on the Construction Drawings. Sacrificial anodes shall be 32# UltraMag High Potential Magnesium Anodes (Type 32D5) with a minimum 10-foot #12 THHN solid wire by Farwest Corrosion Control Company, or approved equal.

Sacrificial anodes shall be attached as described in Section 501.01.08 of the *Standard Construction Specifications* and as shown on the Construction Drawings.

Payment for these bid items will be made on a per-each basis as listed in the Schedule of Contract Prices and shall

include all equipment, labor, materials, and incidentals required to complete the work.

Item No. B-35 – Install 17# Sacrificial Anode on Existing Service:

See *Standard Construction Specifications*, Section 501 and Construction Drawings.

This item provides for installation of sacrificial anodes on existing copper water services as shown on the Construction Drawings. Sacrificial anodes shall be 17# UltraMag High Potential Magnesium Anodes (Type 17D3) with a minimum 10-foot #12 THHN solid wire by Farwest Corrosion Control Company, or approved equal.

Sacrificial anodes shall be attached as described in Section 501.01.08 of the *Standard Construction Specifications* and as shown on the Construction Drawings.

Payment for these bid items will be made on a per-each basis as listed in the Schedule of Contract Prices and shall include all equipment, labor, materials, and incidentals required to complete the work.

Item No. B-36 – Install Underground Utility Support:

See *Standard Construction Specifications*, Section 403.

This item provides for installation of underground utility support around new and existing pipes as shown on the Construction Drawings and as directed by the Engineer. Controlled density fill must have a compressive strength between 50 and 200 psi.

Payment for this bid item will be on a per-each basis and will include all labor, equipment, materials, and incidentals required to complete the work.

Item No. B-37 – Asphalt Trench Patch:

See *Standard Construction Specifications* 304.

The base lifts must be 1/2-inch asphalt concrete with a thickness of two or three inches. Asphalt trench patch must match the existing asphalt thickness as shown on the Construction Drawings and as directed by the Engineer.

Sawcutting of existing pavement is incidental to this bid item.

Payment for this item will be made on a per-ton basis and must include all equipment, labor, materials, and incidentals required to complete the work.

Item No. B-38 – Remove and Replace Standard Curb and Gutter:

See *Standard Construction Specifications*, Section 306.

Concrete used for this work must have a three-day compressive strength of 4,000 psi. Sawcutting and removal of existing concrete is incidental to this bid item.

Payment for this bid item will be on a linear-foot basis and will include all labor, equipment, materials, and incidentals required to complete the work.

Item No. B-39 – Remove and Replace 4-Inch PCC Sidewalk:

See *Standard Construction Specifications*, Section 306.

Concrete used for sidewalk located behind driveway approaches must have a three-day compressive strength of 4,000 psi. Sawcutting and removal of existing concrete is incidental to this bid item.

Payment for this bid item will be on a square-yard basis and will include all labor, equipment, materials, and incidentals required to complete the work.

Item No. B-40 – Remove and Replace 8-Inch PCC Driveway Approach:

See *Standard Construction Specifications*, Section 306.

Concrete used for this work must have a three-day compressive strength of 4,000 psi. Sawcutting and removal of existing concrete is incidental to this bid item.

Payment for this bid item will be on a square-yard basis and will include all labor, equipment, materials, and incidentals required to complete the work.

Item No. B-41 – Abandon 24-Inch × 12-Inch Connection:

See Special Provisions and Construction Drawings.

This bid item includes provision and installation of all specified and unspecified materials necessary to abandon the existing 24-inch × 12-inch connection as shown on the Construction Drawings and coordination of a scheduled water shutdown. The work must be done as shown on the Construction Drawings and as directed in the field by the Engineer. Abandoned piping must be plugged with concrete a minimum distance equal to two pipe diameters.

Payment for this bid item will be made on a per-each basis and will include all equipment, labor, materials, and incidentals required to complete the work.

Item No. B-42 – Abandon 12-Inch × 10-Inch Connection:

See Special Provisions and Construction Drawings.

This bid item includes provision and installation of all specified and unspecified materials necessary to abandon the existing 12-inch × 10-inch connection as shown on the Construction Drawings and coordination of a scheduled water shutdown. The work must be done as shown on the Construction Drawings and as directed in the field by the Engineer. Abandoned piping must be plugged with concrete a minimum distance equal to two pipe diameters.

Payment for this bid item will be made on a lump-sum basis and will include all equipment, labor, materials, and incidentals required to complete the work.

Item No. B-43 – Abandon 10-Inch × 6-Inch Connection:

See Special Provisions and Construction Drawings.

This bid item includes provision and installation of all specified and unspecified materials necessary to abandon the existing 10-inch × 6-inch connection as shown on the Construction Drawings and coordination of a scheduled water shutdown. The work must be done as shown on the Construction Drawings and as directed in the field by the Engineer. Abandoned piping must be plugged with concrete a minimum distance equal to two pipe diameters.

Payment for this bid item will be made on a lump-sum basis and will include all equipment, labor, materials, and incidentals required to complete the work.

Item No. B-44 – Abandon Existing 1-inch Water Service:

See the Special Provisions and Construction Drawings.

This bid item includes provision and installation of all specified and unspecified materials necessary to abandon the existing 1-inch water service as shown on the Construction Drawings.

Payment for this bid item will be made on a lump-sum basis and must include all equipment, labor, materials, and incidentals required to complete the work.

Item No. B-45 – Abandon Existing Water Lines:

See the Special Provisions and Construction Drawings.

This bid item includes provision and installation of all specified and unspecified materials necessary to abandon the existing asbestos cement water lines in-place as shown on the Construction Drawings. Pipes to be abandoned must be pumped full of cellular concrete or flowable controlled density fill. The cellular concrete or flowable controlled density fill must be able to flow through the existing pipes to fill all voids and must have a compressive strength between 50 and 200 psi. The Contractor must provide a mix design for approval by the Engineer prior to the start of work. The Contractor must monitor the pumping of cellular concrete or flowable controlled density fill and ensure the material does not overflow. Any additional excavation required to complete this work will be incidental to this bid item.

There are approximately 70 feet of 16-inch pipe, 1,300 feet of 12-inch pipe, 2,250 feet of 10-inch pipe, 120 feet of 8-inch pipe and 50 feet of 4-inch pipe to be abandoned.

Payment for this bid item will be made on a linear-foot basis and must include all equipment, labor, materials, and incidentals required to complete the work.

Item No. B-46 – Remove and Dispose of Asbestos Cement Pipe:

See *Standard Construction Specifications*, Section 501

This item provides for removal and disposal of existing asbestos cement water lines and backfilling with select backfill as shown on the Construction Drawings and as directed by the Engineer. Removal and disposal of asbestos cement pipe shall be performed in accordance with Oregon Department of Environmental Quality guidelines and regulations.

Payment for this bid item will be on a linear-foot basis and will include all equipment, labor, materials, and incidentals required to complete the work.

Item No. B-47 – Replace Existing Valve Box:

This item provides for removing existing valve boxes and replacing them with new valve boxes as shown on the Construction Drawings and as directed by the Engineer. Surface restoration will be paid under the appropriate separate bid items.

Payment for this bid item will be made on a per-each basis and will include all equipment, labor, materials, and incidentals required to complete the work.

Item No. B-48 – Remove Abandoned Valve Box:

The existing valve box and lid must be removed and the void backfilled with the appropriate material (either select fill or native depending on location of the valve box) before final surface restoration. Surface restoration will be paid under the appropriate separate bid items.

Payment for this bid item will be made on a per-each basis and will include all equipment, labor, materials, and incidentals required to complete the work.

Item No. B-49 – General Landscape Restoration:

See Special Provisions and the *Standard Construction Specifications*, Section 209.

This item provides for restoration of landscape strip areas and for preparation of cut and fill slopes as shown on the Construction Drawings. Areas with existing soil must be prepared with two to three inches of ODOT-approved medium-coarse compost. Areas requiring fill to meet specified grades must be prepared with additional topsoil prior to placing compost. All topsoil must be lightly compacted to prevent settling.

Seeding must be applied to all disturbed areas unless otherwise directed by the Engineer. Seeding must be raked into the top inch of the compost. Use one of the following seed mixes or approved equal:

1. Dwarf Grass Mix (low height, low maintenance)
Dwarf Perennial Ryegrass, 80 percent by weight
Creeping Red Fescue, 20 percent by weight
Application rate: 100 pounds minimum per acre

2. Standard Height Grass Mix
Annual Ryegrass, 40 percent by weight
Turf-type Fescue, 60 percent by weight
Application rate: 100 pounds minimum per acre

Unless specifically called out for removal in these Specifications or the Construction Drawings, any trees, shrubs, bushes, or plants destroyed by construction activities must be replaced with new trees, shrubs, bushes, and plants obtained from a reputable nursery. New trees must be of the same species with a minimum height of six feet. New shrubs, bushes, and plants must be of the same species as those removed. The original trees, shrubs, bushes, and plants must not be replanted.

Payment for this bid item will be made on a lump-sum basis and will constitute full compensation for all materials, equipment, labor, and incidentals to complete the work.

Item No. B-50 – Early Completion Bonus:

See the Special Provisions.

Payment for this bid item will be made on a per-calendar day basis up to a maximum amount of \$25,000 as described in Section I of these Special Provisions.

SCHEDULE C: WALNUT STREET STORM DRAIN

Item No. C-1 – Mobilization:

See *Standard Construction Specifications*, Section 201.

Payment for this bid item will be on a lump-sum basis and will include all equipment, labor, materials, and incidentals required to complete the work.

Item No. C-2 – Temporary Traffic Control:

See *Standard Construction Specifications*, Section 202; the Special Provisions; and the Construction Drawings.

Payment for this bid item will be on a lump-sum basis and will include all equipment, labor, materials, and incidentals required to complete the work.

Item No. C-3 – Erosion Prevention and Sediment Control:

This item includes all work related to procuring, installing, and maintaining erosion prevention and sediment control (EPSC) measures for the duration of the project as shown on the Construction Drawings.

In the event Contractor fails to provide and maintain EPSC measures that prevent sediment from leaving the construction site, the City may require that work be stopped immediately. The City will not grant contract extensions for work stoppages based on Contractor's failure to provide and maintain EPSC measures that prevent sediment from leaving the construction site. If sediment-laden water continues to leave the site after one working day following notification by the Engineer, the City may install additional EPSC measures at Contractor's expense. The City will deduct two times (200 percent) the City's actual cost, which will include all labor, equipment, and materials involved, from any payments due or coming due to Contractor.

Payment for this bid item will be on a lump-sum basis and will include all equipment, labor, materials, and incidentals required to complete the work.

Item No. C-4 – 10-Inch PVC Storm Drain:

See *Standard Construction Specifications*, Section 401.

Payment for this bid item will be on a linear-foot basis and will include all labor, equipment, materials, and incidentals required to complete the work.

Item No. C-5 – Shallow Precast Manhole:

See *Standard Construction Specifications* Sections, 402 and 403 and the Construction Drawings.

This bid item includes construction of a new shallow precast manhole per the *Standard Construction Specifications*, applicable Standard Details, and the Construction Drawings. Pipe connections to the manhole must be incidental to this bid item.

Payment for this bid item will be on a per-each basis and will include all labor, equipment, materials, and incidentals required to complete the work.

Item No. C-6 – Catch Basin:

See *Standard Construction Specifications*, Section 402.

Payment for this bid item will be on a per-each basis and will include all equipment, labor, materials, and incidentals required to complete the work.

Item No. C-7 – Abandon Existing 6-Inch Storm Drain:

See the Special Provisions and Construction Drawings.

This bid item includes provision and installation of all specified and unspecified materials necessary to abandon the existing 6-inch storm drain in-place as shown on the Construction Drawings and as directed by the Engineer. Pipes to be abandoned must be pumped full of cellular concrete or flowable controlled density fill. The cellular concrete or flowable controlled density fill must be able to flow through the existing pipes to fill all voids and must have a compressive strength between 50 and 200 psi. The Contractor must provide a mix design for approval by the Engineer prior to the start of work. The Contractor must monitor the pumping of cellular concrete or flowable controlled density fill and ensure the material does not overflow. Any additional excavation required to complete this work will be incidental to this bid item.

Payment for this bid item will be made on a linear-foot basis and must include all equipment, labor, materials, and incidentals required to complete the work.

Item No. C-8 – Abandon 8-Inch × 6-Inch Sewer Connection:

See the Special Provisions and Construction Drawings.

This bid item includes provision and installation of all specified and unspecified materials necessary to abandon an existing 8-inch × 6-inch sewer connection as shown on the Construction Drawings and as directed by the Engineer.

Payment for this bid item will be made on a lump-sum basis and must include all equipment, labor, materials, and incidentals required to complete the work.

Item No. C-9 – Remove Existing Catch Basin:

See *Standard Construction Specifications*, Section 403.

This item provides for removal of existing catch basins and backfilling with select backfill as shown on the Construction Drawings and as directed by the Engineer.

Payment for this bid item will be on a per-each basis and will include all equipment, labor, materials, and incidentals required to complete the work.

Item No. C-10 – Adjust Manhole Rim to Grade:

See *Standard Construction Specifications*, Section 402.

Unless otherwise directed by the Engineer, all manholes within the roadway shall be paved over and adjusted to grade after paving is completed per Standard Drawing No. 409 using circular sawcutting. Diamond cutting will not be allowed. Manholes within sidewalks and driveway approaches must be adjusted to grade prior to final placement of concrete. Removal and replacement of the frame and cover is included in this item.

Payment for this bid item will be on a per-each basis and will include all labor, equipment, materials, and incidentals required to complete the work.

Item No. C-11 – Remove and Replace Sewer Main:

See the Special Provisions and Construction Drawings.

This bid item includes provision and installation of all specified and unspecified materials necessary to remove and replace in-place a portion of sewer main as shown on the Construction Drawings and as directed by the Engineer.

Payment for this bid item will be made on a lump-sum basis and must include all equipment, labor, materials, and incidentals required to complete the work.

Item No. C-12 – Remove and Replace Water Main:

See the Special Provisions and Construction Drawings.

This bid item includes provision and installation of all specified and unspecified materials necessary to remove and replace in-place a portion of water main as shown on the Construction Drawings and as directed by the Engineer.

Payment for this bid item will be made on a lump-sum basis and must include all equipment, labor, materials, and incidentals required to complete the work.

Item No. C-13 – Remove Existing Storm Drain Manhole:

This bid item provides for the complete removal of a storm drain manhole as shown on the Construction Drawings and as directed by the Engineer. The entire manhole must be removed, and the entire excavation backfilled with select backfill.

Payment for this bid item will be made on a lump-sum basis and will include all equipment, labor, materials, and incidentals required to complete the work.

Item No. C-14 – Remove and Replace Standard Curb and Gutter:

See *Standard Construction Specifications*, Section 306.

Concrete used for this work must have a three-day compressive strength of 4,000 psi. Sawcutting and removal of existing concrete is incidental to this bid item.

Payment for this bid item will be on a linear-foot basis and will include all labor, equipment, materials, and incidentals required to complete the work.

Item No. C-15 – Install Underground Utility Support:

See *Standard Construction Specifications*, Section 403.

This item provides for installation of underground utility support around new and existing pipes as shown on the Construction Drawings and as directed by the Engineer. Controlled density fill must have a compressive strength between 50 and 200 psi.

Payment for this bid item will be on a per-each basis and will include all labor, equipment, materials, and incidentals required to complete the work.

Item No. C-16 – Asphalt Trench Patch:

See *Standard Construction Specifications* 304.

The base lifts must be 1/2-inch asphalt concrete with a thickness of two or three inches. The top lift must have a thickness of two inches. Asphalt trench patch must match the existing asphalt thickness as shown on the Construction Drawings and as directed by the Engineer.

Sawcutting of existing pavement is incidental to this bid item.

Payment for this item will be made on a per-ton basis and must include all equipment, labor, materials, and incidentals required to complete the work.

Item No. C-17 – General Landscape Restoration:

See Special Provisions and the *Standard Construction Specifications*, Section 209.

This item provides for restoration of landscape strip areas and for preparation of cut and fill slopes as shown on the Construction Drawings. Areas with existing soil must be prepared with two to three inches of ODOT-approved medium-coarse compost. Areas requiring fill to meet specified grades must be prepared with additional topsoil prior to placing compost. All topsoil must be lightly compacted to prevent settling.

Seeding must be applied to all disturbed areas unless otherwise directed by the Engineer. Seeding must be raked into the top inch of the compost. Use one of the following seed mixes or approved equal:

1. Dwarf Grass Mix (low height, low maintenance)
Dwarf Perennial Ryegrass, 80 percent by weight
Creeping Red Fescue, 20 percent by weight
Application rate: 100 pounds minimum per acre

2. Standard Height Grass Mix
Annual Ryegrass, 40 percent by weight
Turf-type Fescue, 60 percent by weight
Application rate: 100 pounds minimum per acre

Unless specifically called out for removal in these Specifications or the Construction Drawings, any trees, shrubs, bushes, or plants destroyed by construction activities must be replaced with new trees, shrubs, bushes, and plants obtained from a reputable nursery. New trees must be of the same species with a minimum height of six feet. New shrubs, bushes, and plants must be of the same species as those removed. The original trees, shrubs, bushes, and plants must not be replanted.

Payment for this bid item will be made on a lump-sum basis and will constitute full compensation for all materials, equipment, labor, and incidentals to complete the work.

SCHEDULE D: QUEEN AVENUE SEWER

Item No. D-1 – Mobilization:

See *Standard Construction Specifications*, Section 201.

Payment for this bid item will be on a lump-sum basis and will include all equipment, labor, materials, and incidentals required to complete the work.

Item No. D-2 – Temporary Traffic Control:

See *Standard Construction Specifications*, Section 202; the Special Provisions; and the Construction Drawings.

Payment for this bid item will be on a lump-sum basis and will include all equipment, labor, materials, and incidentals required to complete the work.

Item No. D-3 – Erosion Prevention and Sediment Control:

This item includes all work related to procuring, installing, and maintaining erosion prevention and sediment control (EPSC) measures for the duration of the project as shown on the Construction Drawings.

In the event Contractor fails to provide and maintain EPSC measures that prevent sediment from leaving the construction site, the City may require that work be stopped immediately. The City will not grant contract extensions for work stoppages based on Contractor's failure to provide and maintain EPSC measures that prevent sediment from leaving the construction site. If sediment-laden water continues to leave the site after one working day following notification by the Engineer, the City may install additional EPSC measures at Contractor's expense. The City will deduct two times (200 percent) the City's actual cost, which will include all labor, equipment, and materials involved, from any payments due or coming due to Contractor.

Payment for this bid item will be on a lump-sum basis and will include all equipment, labor, materials, and incidentals required to complete the work.

Item No. D-4 – Remove and Replace Standard Curb and Gutter:

See *Standard Construction Specifications*, Section 306.

Concrete used for this work must have a three-day compressive strength of 4,000 psi. Sawcutting and removal of existing concrete is incidental to this bid item.

Payment for this bid item will be on a linear-foot basis and will include all labor, equipment, materials, and incidentals required to complete the work.

Item No. D-5 – Remove and Replace 4-Inch PCC Sidewalk:

See *Standard Construction Specifications*, Section 306.

Concrete used for sidewalk located behind driveway approaches must have a three-day compressive strength of 4,000 psi. Sawcutting and removal of existing concrete is incidental to this bid item.

Payment for this bid item will be on a square-yard basis and will include all labor, equipment, materials, and incidentals required to complete the work.

Item No. D-6 – Remove Existing 12-Inch Concrete Sewer:

See *Standard Construction Specifications*, Section 403.

This item provides for removal of an existing 12-inch concrete sewer pipe and backfilling with select backfill as shown on the Construction Drawings and as directed by the Engineer.

Payment for this bid item will be on a linear-foot basis and will include all labor, equipment, materials, and incidentals required to complete the work.

Item No. D-7 – 10-Inch PVC Sewer:

See *Standard Construction Specifications*, Section 401.

Payment for this bid item will be on a linear-foot basis and will include all labor, equipment, materials, and incidentals required to complete the work.

Item No. D-8 – Connect to Existing Manhole:

See *Standard Construction Specifications* Sections, 402 and 403 and the Construction Drawings.

This bid item includes construction of new connections to existing manholes per the *Standard Construction Specifications*, applicable Standard Drawings, and the Construction Drawings. Pipe connections to the manhole must be incidental to this bid item. New pipe connections to manholes must be core drilled.

Payment for this bid item will be on a per-each basis and will include all equipment, labor, materials, and incidentals required to complete the work

Item No. D-9 – Standard Precast Manhole:

See *Standard Construction Specifications* Sections, 402 and 403 and the Construction Drawings.

This bid item includes construction of a new standard precast manhole per the *Standard Construction Specifications*, applicable Standard Details, and the Construction Drawings. Pipe connections to the manhole must be incidental to this bid item.

Payment for this bid item will be on a per-each basis and will include all labor, equipment, materials, and incidentals required to complete the work.

Item No. D-10 – Install Underground Utility Support:

See *Standard Construction Specifications*, Section 403.

This item provides for installation of underground utility support around new and existing pipes as shown on the Construction Drawings and as directed by the Engineer. Controlled density fill must have a compressive strength between 50 and 200 psi.

Payment for this bid item will be on a per-each basis and will include all labor, equipment, materials, and incidentals required to complete the work.

Item No. D-11 – Asphalt Trench Patch:

See *Standard Construction Specifications* 304.

The base lifts must be ½-inch asphalt concrete with a thickness of two or three inches. The top lift must have a thickness of two inches. Asphalt trench patch must match the existing asphalt thickness as shown on the Construction Drawings and as directed by the Engineer.

Sawcutting of existing pavement is incidental to this bid item.

Payment for this item will be made on a per-ton basis and must include all equipment, labor, materials, and incidentals required to complete the work.

Item No. D-12 – Abandon Existing Sewer Manhole:

See *Standard Construction Specifications*, Section 403.

This bid item provides for the abandonment of a manhole as shown on the Construction Drawings. Abandoned pipe connections to the manhole shall be plugged with grout. The top three feet of the manhole shall be removed, and the entire structure backfilled with one-inch minus select fill. Payment for surface restoration shall be paid for under the appropriate bid items.

Payment for this bid item will be on a lump-sum basis and will include all labor, equipment, materials, and incidentals required to complete the work.

Item No. D-13 – Abandon Existing 8-Inch Sewer:

See the Special Provisions and Construction Drawings.

This bid item includes provision and installation of all specified and unspecified materials necessary to abandon an existing 8-inch sewer main in-place as shown on the Construction Drawings. Pipes to be abandoned must be pumped full of cellular concrete or flowable controlled density fill. The cellular concrete or flowable controlled density fill must be able to flow through the existing pipes to fill all voids and must have a compressive strength between 50 and 200 psi. The Contractor must provide a mix design for approval by the Engineer prior to the start of work. The Contractor must monitor the pumping of cellular concrete or flowable controlled density fill and ensure the material does not

overflow. Any additional excavation required to complete this work will be incidental to this bid item.

Payment for this bid item will be made on a linear-foot basis and must include all equipment, labor, materials, and incidentals required to complete the work.

Item No. D-14 – General Landscape Restoration:

See Special Provisions and the *Standard Construction Specifications*, Section 209.

This item provides for restoration of landscape strip areas and for preparation of cut and fill slopes as shown on the Construction Drawings. Areas with existing soil must be prepared with two to three inches of ODOT-approved medium-coarse compost. Areas requiring fill to meet specified grades must be prepared with additional topsoil prior to placing compost. All topsoil must be lightly compacted to prevent settling.

Seeding must be applied to all disturbed areas unless otherwise directed by the Engineer. Seeding must be raked into the top inch of the compost. Use one of the following seed mixes or approved equal:

1. Dwarf Grass Mix (low height, low maintenance)
 - Dwarf Perennial Ryegrass, 80 percent by weight
 - Creeping Red Fescue, 20 percent by weight
 - Application rate: 100 pounds minimum per acre

2. Standard Height Grass Mix
 - Annual Ryegrass, 40 percent by weight
 - Turf-type Fescue, 60 percent by weight
 - Application rate: 100 pounds minimum per acre

Unless specifically called out for removal in these Specifications or the Construction Drawings, any trees, shrubs, bushes, or plants destroyed by construction activities must be replaced with new trees, shrubs, bushes, and plants obtained from a reputable nursery. New trees must be of the same species with a minimum height of six feet. New shrubs, bushes, and plants must be of the same species as those removed. The original trees, shrubs, bushes, and plants must not be replanted.

Payment for this bid item will be made on a lump-sum basis and will constitute full compensation for all materials, equipment, labor, and incidentals to complete the work.

LIST OF APPENDICES

- A. TRAFFIC SIGNAL TECHNICAL SPECIFICATIONS – *included as separate document*
 - B. ODOT PERMIT (Highway 99E) – *included as separate document*
 - C. ODOT PERMIT (Highway 34) – *included as separate document*
 - D. LINN COUNTY PERMIT – *included as separate document*
 - E. UNION PACIFIC RAILROAD PERMIT – *included as separate document*
 - F. UNION PACIFIC RAILROAD CONSTRUCTION OBSERVATION REQUIREMENTS – *included as separate document*
- CONSTRUCTION DRAWINGS (11" × 17") – *included as separate document*