

RESOLUTION NO. 3022

A RESOLUTION OF THE CITY OF WILSONVILLE AUTHORIZING THE CITY MANAGER TO EXECUTE GUARANTEED MAXIMUM PRICE (GMP) AMENDMENT NO. 3 TO THE PROGRESSIVE DESIGN-BUILD AGREEMENT FOR THE BOECKMAN ROAD CORRIDOR PROJECT WITH TAPANI SUNDT|A JOINT VENTURE.

WHEREAS, the City has planned and budgeted for the completion of Capital Improvement Projects #2102, 4205, 4206, 4212, and 7067, known as the Boeckman Road Corridor project (the Project); and

WHEREAS, the City Council approved Resolution No. 2916 on August 2, 2021 authorizing use of a Progressive Design Build (PDB) contracting method for design and construction of the BRCP; and

WHEREAS, the City Council approved Resolution No. 2976 on June 6, 2022 authorizing the Progressive Design Build Agreement (“Agreement”) for design-build services with Tapani|Sundt A Joint Venture; and

WHEREAS, the City Council approved Resolution No. 3020 on February 23, 2023 authorizing Guaranteed Maximum Price Amendment No. 1 (GMP 1) to the Agreement with Tapani|Sundt A Joint Venture; and

WHEREAS, the City Council approved Resolution No. 3021 on July 17, 2023 authorizing Guaranteed Maximum Price Agreement No. 2 (GMP 2) to the Agreement with Tapani|Sundt A Joint Venture; and

WHEREAS, the City’s processes for approving progressive design build contracting and selecting Tapani|Sundt A Joint Venture are compliant with ORS 279C.335 and OAR 137-049-0670 and related Oregon public contracting laws and regulations; and

WHEREAS, the Agreement includes provisions to negotiate a Guaranteed Maximum Price (GMP) Amendment for individual construction packages; and

WHEREAS, each GMP requires authorization by City Council and Urban Renewal Agency through an amendment to the PDB agreement prior to proceeding with construction activities; and

WHEREAS, Amendment 3 – GMP 3 has been prepared and negotiated in accordance with the Agreement in the amount of \$36,836,661.92.

NOW, THEREFORE, THE CITY OF WILSONVILLE RESOLVES AS FOLLOWS:

Section 1. The Wilsonville City Council finds that Amendment 3 – GMP 3 has been prepared and negotiated in accordance with the Progressive Design Build Agreement for the BRCP.

Section 2. The City Council, acting as the Local Contract Review Board, authorizes the City Manager to enter into and execute, on behalf of the City of Wilsonville, Guaranteed Maximum Price Amendment No. 3 to the Progressive Design Build Agreement with Tapani|Sundt A Joint Venture for a not-to-exceed amount of \$36,836,661.92, which is substantially similar to Exhibit A attached hereto.

Section 3. Effective Date. This Resolution is effective upon adoption.

ADOPTED by the Wilsonville City Council at a regular meeting thereof this 4th day of December, 2023, and filed with the Wilsonville City Recorder this date.

DocuSigned by:
Julie Fitzgerald
8A974AE3ADE042E...

JULIE FITZGERALD, MAYOR

ATTEST:

DocuSigned by:
Kimberly Veliz
E781DE10276B498...

Kimberly Veliz, City Recorder

SUMMARY OF VOTES:

Mayor Fitzgerald	Yes
Council President Akervall	Yes
Councilor Linville	Excused
Councilor Berry	Yes
Councilor Dunwell	Yes

EXHIBIT:

- A. Guaranteed Maximum Price Amendment No. 3 to the Progressive Design-Build Contract for Canyon Creek Round-A-Bout, Boeckman Road Bridge, Sanitary Sewer, and East Boeckman Road Improvements of the Boeckman Road Corridor Project

EXHIBIT A

GUARANTEED MAXIMUM PRICE AMENDMENT TO THE PROGRESSIVE DESIGN-BUILD CONTRACT THE CANYON CREEK ROUND-A-BOUT, BOECKMAN ROAD BRIDGE, SANITARY SEWER, AND EAST BOECKMAN ROAD IMPROVEMENTS

Agreement # 220780
Amendment No. 3, GMP 3
Project Number: CIP #4212, 4206, 4205, 2102

This Amendment to the Progressive Design-Build Contract (“Agreement”) is entered into effective _____ between the City of Wilsonville, Oregon (“City”) and Tapani/Sundt, A Joint Venture (“Design-Builder”) and amends the Progressive Design-Build Contract Boeckman Road Corridor Project between City and Design-Builder dated June 15,2022.

RECITALS

1. City and Design-Builder enter into this Amendment No. 3, GMP 3 to establish the Guaranteed Maximum Price to complete all aspects of the Boeckman Road Corridor Project not otherwise contemplated in Amendment Nos. 1 and 2 or in Addendum Nos. 1-4 that were previously executed by the parties.
2. In order to provide the City with more certainty that the Guaranteed Maximum Price established herein will not be increased, this Amendment address the circumstances under which the Guaranteed Maximum Price may be increased after the effective date of this Amendment, which are discussed in Section 4.1.1 herein.

The Agreement is revised as follows:

1. **Project Scope.** Design-Builder shall complete the Round a Bout, Three Span Bridge, Sanitary Sewer, and Road Improvements (“GMP Work”). The GMP Work is described in more detail in the attached Exhibit A – Scope of Work: Design-Builder is required to furnish all materials, labor, water, tools, power, equipment, transportation, and other work needed to construct the GMP Work.
2. **Contract Documents.** This Amendment consists of the main text of this Amendment and the following exhibits:
 - a. Exhibit A – Scope of Work
 - i A.1 – Construction Services Scope of Work
 - ii A.2 – Engineering Services During Construction Scope of Work
 - b. Exhibit B – GMP Supporting Documents
 - i B.1 - Schedule of Values
 - ii B.2 - Engineer’s Fee
 - iii B.3 – Assumptions and Clarifications
 - iv B.4 – Equipment Rates

- v B.5 – Labor Rates
- vi B.6 – Construction Schedule
- vii B.7 – Permitting Strategy Plan
- viii B.8 – Right of Way Acquisition Plan
- c. Exhibit C – Construction Proposal Documents
 - i C.1 - Key Personnel
 - ii C.2 – Construction Document Index
 - iii C.3 – Procurement Plan
 - iv C.4 – Procurement Method
 - v C.5 – Subcontractor and Suppliers
 - vi C.6 – Selected Subcontractors and Suppliers

3. **GMP.** The parties agree that the Guaranteed Maximum Price (“GMP”) for the Project is \$36,836,661.92, consisting of the Estimated Cost of the Work, Contingencies, and Allowances, summarized as follows:

Estimated Cost of Work	\$29,914,114.68
Contingency	\$1,872,934.00
Contractor Fee (Design Builder’s Percentage Fee)	\$4,132,316.33
Engineering Services for Construction	\$663,317.98
Owner Directed Allowance	\$45,200.00
Oregon Corporate Activity Tax	\$208,778.93

GMP Total (Total of Above) \$36,836,661.92

4. **Basis of GMP.** The GMP is based on the GMP Supporting Documents included as Exhibit B, including the contingencies, allowances, assumptions, exclusions, unit prices, and schedule designated in those documents. The GMP Supporting Documents are based on the Preliminary Engineering and any Construction Documents approved by the City. The Design-Build Documents remain in full force and effect; this Basis of GMP supplements design document requirements but does not replace them.

- 4.1 **GMP Encompasses Further Design Development.** Design-Builder represents that the Drawings and Specifications upon which the Guaranteed Maximum Price is based are approximately 90% complete and that the Drawings and Specifications will require further development from Design-Builder’s design team. In deriving the Guaranteed Maximum Price stated herein, Design-Builder has already anticipated and provided for this further design development and has included in the Guaranteed Maximum Price all costs expected or which reasonably could be expected for further design development, engineering and consultant services and reports, the creation and finalization of construction documents and issued-for-construction drawings, all design-team contract administration services and site visits, and all construction labor, materials, equipment, general conditions, fee and all other costs necessary, incidental or inferable from

the documents, physical access to the site, and information available to date in order to design and build the Project consistent with the Owner's Project Criteria, the scope description, the Drawings and Specifications, and all other design and Owner-supplied information to date. By executing the Contract and upon execution of each Amendment to the Contract, the Design-Builder is deemed to have included in the Guaranteed Maximum Price sufficient amounts to cover all of its obligations under or arising from the Contract, at law, and otherwise, and to have allowed the necessary resources to enable Design-Builder to achieve Substantial Completion by the Scheduled Substantial Completion Date.

4.1.1. The Guaranteed Maximum Price may only be increased under the following circumstances: (1) City-requested changes in Work that result in a Change Directive or Change Order; or (2) circumstances that could not have been reasonably known by either party prior to the effective date of this Amendment No. 3. The Guaranteed Maximum Price will not be increased in circumstances where Design-Builder determines or recommends that construction deviate from the Construction Documents or when the City issues a Change Directive in response to a deficiency or error in the Construction Documents identified by either party. The Contingency is the total amount Design-Builder is allowed to receive for unanticipated costs outside of circumstances 1 and 2 identified above.

5. Responsibility for Damage to Work Caused by Public Traffic. Once SW Boeckman Road is approved by the City for use by public vehicle travel, Design-Builder may apply for relief from responsibility for damage to Work caused by public traffic in a manner consistent with Oregon Standard Specifications for Construction (2018) Section 00170.80(c).

6. Substantial Completion Date. Notwithstanding any provision in the GMP Supporting Documents to the contrary, the required date for Substantial Completion of the GMP Work is 08/27/2025.

6.1. **Utility Delays.** To clarify Article 7.2 of the General Conditions, Design-Builder is not entitled to any additional compensation due to the presence of or interference, delays, or expenses caused by utility service companies, but may request an extension to the Contract term for delays caused by such utility service companies, which request will not be unreasonably denied by the City.

7. Compensation. Article 7, Compensation, is amended by adding the following:

7.1. City shall pay Design-Builder for GMP Work according to the schedules and unit prices stated in Exhibit B.1, including the Design-Builder's

Percentage Fee as set forth in this Amendment and Article 7 of the Agreement.

- 7.2. Design-Builder shall invoice the City monthly for work performed, based on an estimate of the amount of work completed and the value of the completed Work. Invoices shall be directed to the City of Wilsonville Project Manager. If an invoice is delivered on a non-business day, the invoice shall be considered received on the next day the City Finance Department is open for business. City shall make a progress payment equal to the value of the completed Work, less amounts previously paid, less retainage of 5 percent within 30 days of receipt of the invoice.
- 7.3. City shall inspect the Project within 15 days of receipt of written notice from Design-Builder that the Work is ready for final inspection and acceptance. The City shall either accept or reject the work in writing. A rejection must state the reasons for the rejection and list the Work that must be done before the Project can be accepted. If a rejection is issued, Design-Builder shall complete all Work needed to be done and request another inspection. The process shall be continued until the City determines that the Project is complete and accepted. Within 30 days after written acceptance by the City and receipt of the Warranty Bond required by Section 8.c of this GMP Amendment and Section 5.1.b of the General Conditions, all remaining amounts, including the retainage, shall be paid to Contractor, provided that Design-Builder shall submit evidence satisfactory to the City that all payrolls, material bills, and other indebtedness connected with the Work have been paid; except that in case of disputed indebtedness or liens, the Contractor may submit in lieu of evidence of payment, a Surety Bond satisfactory to City guaranteeing payment of all such disputed amounts when adjudicated in cases where such payment has not already been guaranteed by Surety Bond. If City fails to pay within 30 days of acceptance and receipt of the Bond, City shall pay interest at the rate as specified in ORS 279C.515 on any unpaid amounts.

8. Prevailing Wage

- 8.1. Design-Builder shall comply with all provisions required by ORS 279C.800 through ORS 279C.870 relating to the payment of prevailing wage rates for work performed.
- 8.2. Design-Builder shall pay to workers in each trade or occupation the current, applicable State prevailing rate of wage as established by the Oregon State Bureau of Labor and Industries (“BOLI”) <http://www.boli.state.or.us/BOLI>.

Design-Builder and any Subcontractors shall post the prevailing wage rates and fringe benefits as required by ORS 279C.840.

- 8.3. Design-Builder shall prepare weekly certified payroll reports and statements and submit them to the City by the fifth business day of each month (ORS 279C.845). Reports shall be submitted to the City Project Manager, on a form prescribed by the Commissioner of the Bureau of Labor, certifying: (a) the hourly rate of wage paid each worker whom the contractor or the Subcontractor has employed upon the public works; and (b) that no worker employed upon the public works has been paid less than the prevailing rate of wage or less than the minimum hourly rate of wage specified in the contract. If the Design-Builder has not filed the certified statements as required under this contract, the City of Wilsonville shall retain 25 percent of any amount earned by the Design-Builder until the Design-Builder has complied. The City of Wilsonville shall pay the Design-Builder the amount retained under this subsection within 14 days after the Design-Builder has filed the certified statements with the City.
- 8.4. Contractor shall allow BOLI to enter the office or business establishment of Contractor at any reasonable time to determine whether the prevailing rate of wage is actually being paid and shall make payment records available to BOLI on request. Contractor shall require subcontractors to provide the same right of entry and inspection.
- 8.5. City shall not make final payment unless the prevailing wage rate certifications are received.
- 8.6. Design-Builder must comply with all laws and regulations relating to prevailing wages, whether or not set out in this contract. Further information regarding prevailing wages is available by contacting BOLI at (971) 6730839 or on-line at the BOLI web site:
<http://www.boli.state.or.us/BOLI/WHD/PWR/index.shtml>.
- 8.7. Prevailing Wage publications applicable to this contract are the Prevailing Wage Rates for Public Works Contracts in Oregon effective **January 5, 2023**, the Prevailing Wage Rate Amendments effective **January 11, 2023**, and the **October 1, 2022** PWR Apprenticeship Rates.

9. Insurance and Bonds.

- 9.1. Design-Builder shall provide a separate Performance Bond and a separate Payment Bond in the form provided by the City. Each bond shall be equal to 100 percent of the GMP, or if either bond is issued to replace the bond previously issued under the Contract, equal to the total amount of the Progressive Design-Build Contract including the GMP Amendment. The Performance Bond and the Payment Bond must be signed by the Surety's Attorney-in-Fact, and the Surety's seal must be affixed to each bond. Bonds shall not be canceled without the City of Wilsonville's consent, nor shall the City release them prior to Contract completion.

Bonds must be originals. Faxed or photocopied Bond Forms shall not be accepted.

- 9.2. **Builder's Risk or Installation Floater.** The Design-Builder shall obtain and maintain for the benefit of the parties an all risk builder's risk or installation floater policy insuring 100 percent of the Cost of the Work. Such insurance shall include testing, and shall allow utilization of part of the equipment prior to Substantial Completion of all the GMP Work. Coverage shall continue until Substantial Completion of the GMP Work. The City and all Subcontractors shall be additional named insureds, as their interests may appear. The City shall be given not less than 30 days' written notice prior to cancellation, nonrenewal, or material change in the policy. One copy of the policy and a certificate of insurance shall be delivered to the City before commencing GMP Work and shall be subject to approval by the City. The City may defer delivery of the copy of the policy, but such deferral shall not be a waiver of the City's right to a copy of the policy. In the event the Design-Builder fails to maintain insurance required under this subsection 5.14, the City, at its sole option, may arrange for such coverage, and any administrative costs and premium incurred shall be reimbursed by the Design-Builder.
- 9.3. Design-Builder shall provide a Warranty Bond in the amount of the GMP to cover the warranty period after acceptance. The City's acceptance of the work shall not take effect until receipt of the warranty bond.

- 10. Liquidated Damages.** Design-Builder recognizes that the City shall incur significant internal and external costs (damages) as a result of any delay by the Contractor completing all GMP Work within the specified Contract time. However, given the nature of the GMP Work, it is unduly burdensome and difficult to demonstrate the exact dollar value of damages related to delay. The City has made a good faith and reasonable estimate of damages it would suffer from loss of use due to delay in completion. Contractor agrees to pay to City, not as a penalty but as liquidated damages for loss of use, an amount calculated based on Section 00180.85 in the Oregon Standard Specifications for Construction 2018, for each calendar day of delay in completion of the Work.

The City of Wilsonville is authorized to deduct the amount of the liquidated damages from any amounts due and the Contractor and its Surety shall be liable for any excess. See Section 00180.85 of the City of Wilsonville Special Conditions to the General Conditions.

If the Contract is terminated according to the General Conditions and if the Work has not been completed by other means on or before the expiration of Contract Time or adjusted Contract Time, liquidated damages shall be assessed against the Contractor for the duration of time reasonably required to complete the work.

The parties further agree that the liquidated damages required by this Contract are compensation to the City only for the harm the City sustains from late completion for loss of use. They are not compensation for additional effort required by the City because the Work has been extended over a longer period, or for other harm the City may sustain from the Design-Builder's other breaches of this Contract. The City may withhold liquidated damages from progress payments, or may withhold the full amount of accrued liquidated damages from final payment. Nothing in this Contract shall be interpreted to prevent the City from seeking other damages or recovery in addition to the liquidated damages specified in this section.

11. **Other Damages.** The City may recover from the Design-Builder, withhold from payments under this Contract, or both, actual costs incurred by the City due to the extra effort necessitated because the Work is extended over a longer period of time, such as the actual costs of additional engineering and inspections by the City or extended third party services. This right to actual damages shall apply to both late Substantial Completion and late Final Acceptance.

12. **Termination for Convenience.** In the event of a termination of this GMP Amendment for convenience, the Design-Builder will not be entitled to overhead or profit on the unperformed Work, and will not be entitled to payments in excess of (1) the Cost of the Work incurred by the Design-Builder to the date of termination, (2) the prorated portion of the Design-Builder's Percentage Fee based on the ratio of (a) the Cost of the Work incurred by the Design-Builder to the date of termination divided by (b) the Guaranteed Maximum Price less the Design-Builder's Percentage Fee, (3) fair compensation, either by purchase or rental at the election of the City, for any equipment owned by the Design-Builder which the City elects to retain and which is not otherwise included in the Cost of the Work under subitem (1), and (4) fair compensation for the Design-Builder's demobilization costs and other costs directly incurred relating to the termination which are not otherwise included in the Cost of the Work under subitem (1); provided, however, that the total amount of such payment shall be subject to the Guaranteed Maximum Price.

In all other respects the Contract shall remain in full force and effect.

Approved and authorized for signature by City Council on December 4, 2023.

This Amendment may be executed in two originals, with one original to be delivered to each party.

THE PARTIES SIGNING BELOW WARRANT, REPRESENT AND AGREE THAT THEY HAVE THE AUTHORITY TO SIGN THIS AGREEMENT AND AGREE TO ALL TERMS:

City of Wilsonville, Oregon

Design-Builder

BY: _____
NAME: _____

TITLE: _____
DATE: _____

BY: _____
NAME: _____

TITLE: _____
DATE: _____

APPROVED AS TO LEGAL FORM:

CITY ATTORNEY



Exhibit A.1

Scope of Work – GMP 3 Construction Services

City of Wilsonville - Boeckman Road Corridor Project

Round-A-Bout, Bridge, Sewer, and East Road Improvements

Description:

These Assumptions and Clarifications form the basis of the Tapani|Sundt, a Joint Venture, TSJV, 90% GMP 3 - Roundabout, Bridge, Sewer, and East Road Improvements Contract Documents, including drawings and specifications, pricing. In the event there is a conflict in the Assumptions and Clarifications between the 90% GMP3 and Final IFC Contract documents, primacy and precedence is given to these Assumptions and Clarifications. Upon approval of Final IFC Contract documents, which will include Exhibit B.3 GMP 3 IFC Assumptions and Clarifications, the Final IFC Contract Documents shall take precedence over this Exhibit B.3.

- Installation of 18" sewer main from Stafford Road to the east side of Boeckman Creek
- Widen and modernize the existing roadway from Stafford Road to the east approach of the proposed Boeckman Dip Bridge. The roadway will be designed to a Minor Arterial standard and ADA requirements, including the following:
 - Medians
 - Lighting and landscaping
 - Separated pedestrian and bicycle facilities to be provided along length of corridor and connect to intersecting streets, driveways, and paths.
 - Install RRFB pedestrian crossing at Willow Drive
- Upgrade and improve storm drainage and treatment for Boeckman Road to current standards
- Construct joint utility trench and pathway.
 - All overhead franchise utilities to perform undergrounding, except for the transmission power, by Franchise Utilities and PGE.
- Extend City fiber pathway in accordance with Public Works Standards.
- Protection of significant trees.
- Construction of Three Span Boeckman Dip Bridge over Boeckman Creek and upgrade the existing rural roadway to a Minor Arterial standard with bicycle and pedestrian facilities. The bridge will include architectural features, and lighting.
- Rough grade city maintenance access to the underside of the bridge for trail, storm, and sewer line maintenance.
- Modifications to the intersection of Boeckman Road and Canyon Creek Road by construction of a round-a-bout.
- Widen and modernize the existing roadway between the Canyon Creek Road RAB and the west approach of the Boeckman Dip Bridge. The roadway will be constructed to a Minor Arterial standard and ADA requirements.



Location:

Boeckman Road Corridor between roughly SW Canyon Creek Road and SW Stafford Road (BRCP Sta. 37+00 to 75+50)

Purpose of Project:

Boeckman Road is a Minor Arterial and is one of three east/west corridors that directly connects the East and West sides of the City of Wilsonville. This project will update Boeckman Road to meet City standards, improve safety, and serve all modes and all users.



Exhibit A.2

SCOPE OF SERVICES – GMP 3 Construction Engineering Support Services

City of Wilsonville - Boeckman Road Corridor Project

A. PROJECT UNDERSTANDING

The following scope of work covers civil, structural, traffic engineering, landscape architecture, arborist and environmental construction support services necessary for the installation of the proposed roadway, bridge, utilities and related infrastructure as documented in the GMP3 – GMP Submittal dated 7/31/2023. Note that as of 9/13/2023, the construction of the proposed stream restoration work will not be included as part of GMP3 Construction. For estimating purposes, we have assumed a construction duration of 13 months for the proposed improvements.

B. TASK BREAKDOWN

TASK 23 CONSTRUCTION ENGINEERING SUPPORT SERVICES – GMP 3

23.1 Project Management, Administration and Coordination

Project management and administration for the execution of the contract throughout the construction phase. This assumes we will participate in 36 one-hour conference calls or virtual meetings throughout the construction phase. Review and provide edits to meeting notes developed by others.

23.2 Civil Engineering

KPFF will provide the following civil engineering construction support services under this contract amendment:

- Attend pre-construction conference. This assumes the preconstruction meeting will be up to 2-hours and held at the City's office or in the field.
- Provide up to 12 (8 for KPFF and 4 for KAI) civil-related site visits during construction. We assume that KPFF will be notified of the construction schedule and progress to establish site visit dates. The site visits will be made at intervals appropriate to the stages of construction. Consultant shall document observations made through the preparation of site visit reports.
- Provide interpretations and/or clarifications of the civil portions of the work for up to 28 (24 for KPFF and 4 for KAI) civil Requests for Information (RFI's), Design Clarifications, and/or Contractor questions. The design consultation will occur only as required and may be ongoing throughout the Project. Each response is assumed to be no more than two-hours of effort.
- Review specified shop drawings or product submittals for the civil portions of the work. Assume up to 20 (16 for KPFF and 4 for KAI) submittals will be reviewed and responses will be prepared.
- Provide "Record" plans for the civil portion of the work based on 1 clean, red-lined, full-size set of drawings provided by the Contractor.

- Assist with the project closeout. Review the final inspection documentation and project correction list provided by the City.
- Assist with utility coordination throughout construction to facilitate relocations needed to accommodate the proposed construction.
 - Attend virtual utility coordination meetings coordinated and led by TSJV. Assume up to 2 staff attend two 1-hour meetings per month for 12 months.
 - Review unknown utilities and conflicts and work with utilities on resolution. Assume 18 utilities and/or conflicts (based on 2 per utility).
- This task includes the design and preparation of documents for the temporary water line along Boeckman Road from Station 43+25 to Station 51+25 (approximately). The temporary water line will be routed underground to the south of Boeckman Road between the proposed MSE walls and the adjacent property lines. Along the embankment, the water line will drop down to just above the overflow culvert. The temporary water pipe shall be designed to meet the City of Wilsonville Public Works Standards.
 - Prepare a temporary water plan and profile.
 - Prepare water details.
 - Prepare the following Special Provisions for the temporary water line:
 - Section 00405 – Trench Excavation, Bedding, and Backfill
 - Section 01140 – Potable Water Pipe and Fittings
 - Section 01150 – Potable Water Valves
 - Section 01160 – Hydrants and Appurtenances
 - Section 01170 – Potable Water Service Connections, 2-inch and Smaller
 - Section 02470 – Potable Water Pipe Materials
 - Section 02475 – Potable Water Fitting Materials
 - Section 02480 - Potable Water Valve Materials
 - Section 02485 – Hydrant and Appurtenances Materials
 - Section 02490 - Potable Water Service Connection Materials, 2-Inch and Smaller

Design Plan List

TITLE	No. of Sheets	Const. Subm.	Revised Const. Subm.
Cover sheet (w/ notes, abbreviations, legend, and sheet index)	1	X	X
Water Plan and Profile	2	X	X
Water Details	2	X	X

- Perform an internal QC Review prior to each construction submittal. Coordinate and perform QC checks on plans, designs and specifications.

- Provide construction submittal to TSJV and the City for review comments. Submittal documents will be stamped and signed by a professional engineer in Oregon.
- Provide a response to submittal review comments and provide final submittal.

23.3 Structural Engineering

KPFF will provide the following construction engineering support services under this contract amendment:

- Attend pre-construction conference. This assumes the preconstruction meeting will be up to 2-hours and held at the City's office or in the field.
- Provide up to 16 structural-related site visits during construction. We assume approximately 6 to 8 site visits to perform construction observation as Engineer of Record for the following: end abutment reinforcing steel, intermediate bent reinforcing steel, girder placement, deck reinforcing steel, bridge rail reinforcing steel, bridge rail custom steel rails and bridge coordination with MSE walls. We anticipate approximately 6 to 8 additional site observations to address construction issues and RFI's that cannot be addressed remotely. We assume that KPFF will be notified of the construction schedule and progress to establish site visit dates. Consultant shall document observations made through the preparation of site visit reports.
- Provide structural interpretations and/or clarifications of the structural portions of the work as described below. The design consultation will occur only as required and may be ongoing throughout the project.
 - Up to 60 contractor requests for information (RFI's), design clarifications and contractor questions. Each response is assumed to take 2 hours of engineering time. 25 percent of responses are assumed to require senior engineering input.
 - Attend up to 30 weekly construction meetings (virtual attendance)
 - Provide structural input on up to 10 significant field modifications. These modifications are assumed to require 8 hours of engineering, 2 hours of CAD and 2 hours of senior engineer oversight.
- Review specified shop drawings or product submittals for the structural portions of the work.
- Provide "Record" plans for the structural portion of the work based on 1 clean, red-lined, full-size set of drawings provided by the Contractor.
- Architectural Applications will provide architectural interpretations and/or clarifications in response to RFIs related to issues with the custom guardrails and light poles.
- Assist with the project closeout. Review the final inspection documentation and project correction list provided by the City.

23.4 Stream Restoration [Not Included]

23.5 Traffic Engineering

Kittelson and Associates (KAI) will provide miscellaneous construction support services under this contract amendment. The scope of services is limited to the following:

- Meetings:

- KAI will participate in virtual meetings to address issues raised during construction (up to 6 meetings at 2-hour each). Preparation of agenda and meeting minutes provided by others.
- Request for Information (RFI) Services (up to 6 included):
 - Prepare responses to up to 6 RFIs.
- Review of Submittals:
 - Review detailed construction shop drawings, contractor/vendor's operations, and other submittals. Assume up to 8 submittals will be reviewed and responses will be prepared.
- Field Visits:
 - Upon request, attend up to 4 field visits by a KAI engineer.
- As-Built Drawings: Review contractor-provided as-built drawings and provide record drawings reflecting changes made and documented during construction.

23.6 Landscape Architecture Services

GreenWorks (GW) will provide miscellaneous construction support services under this contract amendment. The scope of services is limited to the following:

- Meetings:
 - GW will participate in virtual meetings to address issues raised during construction (up to 6 meetings at 2-hour each). Preparation of agenda and meeting minutes provided by others.
- Request for Information (RFI) Services (up to 8 included):
 - Prepare responses to up to 8 RFIs.
- Review of Submittals:
 - Review detailed construction shop drawings, contractor/vendor's operations, and other submittals. Assume up to 8 submittals will be reviewed and responses will be prepared.
- Field Visits:
 - Upon request, attend up to 4 field visits by GW staff.
- As-Built Drawings: Review contractor-provided as-built drawings and provide record drawings reflecting changes made and documented during construction.
- Coordination with Project Arborist, and Civil.

23.7 Arborist Services

Morgan Holen Associates (MHA) will provide on-call consulting arborist services to monitor and document tree protection measures, supervise stump removal, demolition and excavation, and direct and document root pruning or protection beneath the dripline of existing trees, and provide the contractor with on-the-ground tree protection recommendations as needed. Each site visit will be documented in a written tree protection monitoring report submitted to KPFF, Sundt, and the City of Wilsonville.

The contractor is responsible for coordinating with the project arborist in a timely way prior to working beneath the dripline of a protected tree or opening, adjusting, or removing tree protection fencing. On-call arborist services include up to 120-hours of consultant labor and mileage for up to 40 site visits.

MHA will also conduct a post-clearing assessment to reassess remaining trees in terms of exposure from adjacent tree removal and suitability for preservation. Findings and recommendations will be documented

in a written report; if additional trees are determined to be structurally unsound or hazardous, additional tree removal may be recommended. The post-clearing assessment includes up to one day of fieldwork with a two-person crew, data analysis and design team coordination and a written arborist report: up to 30 hours of consultant labor and mileage for one site visit.

23.8 Environmental Consulting Services

Pacific Habitat Services shall provide the following environmental consulting services during construction:

- Site visits to review planting installation, up to 3 visits at 4-hours each.
- Responding to RFI submittals.
- Preparation and submittal of post-construction reports for the US Army Corps of Engineers and Oregon Department of State Lands.
 - File post-construction report for DSL, including as-built survey.
 - File post-construction report for NMFS, including turbidity readings collected by others.

23.9 Geotechnical Engineering Services

Haley & Aldrich will provide on-call geotechnical engineering support services during construction, including the following tasks:

- Driven Piles at Bridge
 - Review and respond to up to 6 geotechnically relevant contractor RFI's and material submittals.
 - Review and respond to contractor's pile driving submittal. Conduct pile driving analysis based on contractor's submittal to determine pile driving criteria.
 - Attend pile driving kick-off meeting on site.
 - Conduct up to 5 full-time site visits to observe pile driving at abutments and interior bents and pre-drilling at abutments.
 - Review dynamic load testing and analysis results (e.g., PDA testing and CAPWAP analysis) completed by others.
 - Prepare a summary memorandum regarding pile driving results.
- Embankment Construction
 - Review and respond to up to 8 geotechnically relevant contractor RFIs and material submittals.
 - Attend earthwork kick-off meeting on site.
 - Conduct up to 6 part-time site visits to observe geotechnically relevant conditions during construction, such as evaluation of unanticipated subsurface conditions, embankment subgrade preparation, lightweight fill installation, etc.
 - Review and process settlement plate survey data collected and provided by the contractor. Distribute the settlement plots to the project team on a weekly basis.
- Retaining Wall Construction
 - Review and respond to up to 8 geotechnically relevant contractor RFIs and material submittals.
 - Attend the retaining wall kick-off meeting on site.
 - Conduct up to 10 part-time site visits to observe geotechnically relevant conditions during construction, such as evaluation of unanticipated subsurface conditions, foundation subgrade preparation, installation of geogrid reinforcement, installation of facing, etc.

- Roadway Construction
 - Review and respond to up to 4 geotechnically relevant contractor RFIs and material submittals.
 - Conduct up to 4 part-time site visits to observe geotechnically relevant conditions during construction, including proof-rolls of finished subgrade, etc.
 - Conduct up to 2 full-time visits to observe the construction of signal pole foundations.
- Utility Construction
 - Review and respond to up to 4 geotechnically relevant contractor RFIs and material submittals.
 - Review and respond to contractor's shoring and dewatering design.
 - Attend utility kick-off meeting on site.
 - Conduct up to 4 part-time site visits to observe geotechnically relevant conditions during construction, such as evaluation of unanticipated subsurface conditions, utility subgrade preparation, dewatering system installation, shoring installation, etc.
- Geotechnical Review and Project Closeout:
 - Review daily field reports and testing results prepared by others for geotechnically relevant aspects of construction.
 - Prepare a summary memorandum at the end of construction summarizing our field observations.
- Geotechnical Assumptions:
 - Geotechnical part- and full-time site visits are estimated to require up to 4 and 9 hours, respectively, of on-site time, plus 2 hours of travel and office preparation time.
 - It has been assumed that primary responsibility for geotechnical observations and testing services are to be provided by qualified special inspectors to be hired by the City. Haley & Aldrich's primary role will be to support the project team in the event that unexpected or unusual conditions are encountered and to review documentation regarding the geotechnically relevant aspects of the project.
 - This scope of work does not include environmental characterization of onsite soils prior to removal for disposal purposes.

A. ASSUMPTIONS & CLARIFICATIONS

- All permit fees and agency charges will be paid by others.
- Construction surveying services, including monitoring of settlement plates at bridge embankments, will be provided by others.
- Special inspection and testing services, such as compaction and laboratory testing of fill, backfill, and aggregate base; documentation and testing of concrete, reinforcement, and welding; dynamic pile load testing (e.g., PDA testing and CAPWAP analysis); testing of asphalt; etc., will be provided by others who will be engaged by the contractor.
- A post-construction survey of as-built conditions is not included in this proposal.

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Exhibit B.1

GMP 3 - Schedule of Values

BidItem	Bid Description	Bid Quantity	Units	Unit Price	Bid Total
100	SALARIED & ADMIN STAFF	1.00	LS	\$ 710,854.47	\$710,854.47
900	STREET SWEEPING (PICKUP BROOM)	480.00	HR	\$ 262.74	\$126,115.20
910	STREET SWEEPING (SIDE KICK OPERATOR ONLY)	800.00	HR	\$ 87.94	\$70,352.00
920	POTHOLING VAC TRUCK	85.00	EA	\$ 695.03	\$59,077.55
930	POTHOLING BACK HOE	35.00	EA	\$ 464.24	\$16,248.40
940	UTILITY SUPPORT LARGE (24" AND GREATER)	4.00	EA	\$ 4,081.51	\$16,326.04
950	UTILITY SUPPORT MEDIUM (12" TO 24")	8.00	EA	\$ 1,811.88	\$14,495.04
960	UTILITY SUPPORT SMALL (LESS THAN 12")	18.00	EA	\$ 503.86	\$9,069.48
1000	MOBILIZATION	1.000	LS	\$ 3,734,460.35	\$3,734,460.35
1092	QUALITY CONTROL TESTING	1.00	NTE	\$ 239,806.15	\$239,806.15
1100	TEMPORARY PROTECTION AND DIRECTION OF TRAFFIC	1.00	LS	\$ 387,487.60	\$387,487.60
1200	TEMPORARY SIGNS	958.00	SQFT	\$ 38.12	\$36,518.96
1400	TEMPORARY BARRICADES, TYPE III	27.00	EACH	\$ 436.47	\$11,784.69
1600	TEMPORARY PLASTIC DRUMS	211.00	EACH	\$ 60.34	\$12,731.74
1700	TEMPORARY DELINEATORS	242.00	EACH	\$ 30.17	\$7,301.14
1900	TEMPORARY STRIPING	7,920.00	FOOT	\$ 0.51	\$4,039.20
2100	TEMPORARY PAVEMENT BARS	138.00	SQFT	\$ 5.60	\$772.80
2200	STRIPE REMOVAL	7,920.00	FOOT	\$ 0.51	\$4,039.20
2400	BAR REMOVAL	138.00	SQFT	\$ 4.84	\$667.92
2600	PORTABLE TRAFFIC SIGNAL	2.00	EACH	\$ 15,839.78	\$31,679.56
2800	PORTABLE CHANGEABLE MESSAGE SIGNS	7.00	EACH	\$ 8,297.03	\$58,079.21
3000	TEMPORARY WALKS	3,442.00	SQFT	\$ 10.02	\$34,488.84
3100	FLAGGERS	6,170.00	HOURL	\$ 69.69	\$429,987.30
3200	TEMPORARY DRAINAGE FACILITIES	1.00	LS	\$ 5,141.24	\$5,141.24
3300	TEMPORARY WATER LINE	1.00	LS	\$ 166,803.96	\$166,803.96
3500	EROSION CONTROL	1.00	LS	\$ 107,357.19	\$107,357.19
3700	TEMPORARY MULCHING, HYDROMULCH	2.00	ACRE	\$ 4,022.80	\$8,045.60
3800	MATTING, TYPE MATTING SLOPE INSTALLATION (WES 4-1)	7,874.00	SQYD	\$ 4.04	\$31,810.96
3900	CHECK DAM, TYPE 3 (S-2255 BIOFILTER BAG DITCHES AN	46.00	EACH	\$ 142.00	\$6,532.00
4000	CONSTRUCTION ENTRANCE, TYPE GRAVEL (S-2240)	3.00	EACH	\$ 6,077.68	\$18,233.04
4200	CONCRETE WASHOUT FACILITY	1.00	LS	\$ 50,465.52	\$50,465.52
4300	SEDIMENT FENCE (S-2245)	1,895.00	FOOT	\$ 4.64	\$8,792.80
4400	INLET PROTECTION, TYPE 5 (S-2127)	32.00	EACH	\$ 93.96	\$3,006.72
4500	INLET PROTECTION, TYPE CURB AND GUTTER (WES 4-21)	41.00	EACH	\$ 93.97	\$3,852.77
4600	SEDIMENT BARRIER, TYPE 2 (S-2250 BIOFILTER BAG OVE	5,000.00	FOOT	\$ 8.37	\$41,850.00
4700	POLLUTION CONTROL PLAN	1.00	LS	\$ 1,508.55	\$1,508.55
4800	TURBIDITY MONITORING	1.00	LS	\$ 13,874.82	\$13,874.82
4900	CONSTRUCTION SURVEY WORK	1.00	LS	\$ 401,309.54	\$401,309.54
5000	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	1.000	LS	\$ 864,921.32	\$864,921.32
5100	ASPHALT PAVEMENT SAW CUTTING	2,510.00	FOOT	\$ 4.12	\$10,341.20
5200	CLEARING AND GRUBBING	1.000	LS	\$ 482,321.88	\$482,321.88
5400	TOE TRENCH EXCAVATION	230.00	CUYD	\$ 47.36	\$10,892.80
5500	GENERAL EXCAVATION	11,003.000	CUYD	\$ 76.78	\$844,810.34
5700	EXTRA FOR SELECTED GRANULAR BACKFILL MATERIAL	20,155.000	CUYD	\$ 58.95	\$1,188,137.25
5800	12 INCH SUBGRADE STABILIZATION	1,900.00	SQYD	\$ 36.02	\$68,438.00
5900	AGGREGATE DITCH LINING	320.00	SQYD	\$ 103.52	\$33,126.40
6000	WATERING	1.00	LS	\$ 22,178.40	\$22,178.40
6100	DRAINAGE GEOTEXTILE, TYPE 1	700.00	SQYD	\$ 4.19	\$2,933.00
6300	RIPRAP GEOTEXTILE, TYPE 1	170.00	SQYD	\$ 5.38	\$914.60
6400	SUBGRADE GEOTEXTILE	14,493.00	SQYD	\$ 4.72	\$68,406.96
6500	GRANULAR DRAINAGE BLANKET	260.00	CUYD	\$ 308.09	\$80,103.40
6900	GROUTED RIPRAP, CLASS 100	110.00	CUYD	\$ 393.22	\$43,254.20
7000	SHOTCRETE SLOPE STABILIZATION	183.00	SQYD	\$ 549.34	\$100,529.22
7100	TRENCH FOUNDATION	220.00	CUYD	\$ 214.15	\$47,113.00
7200	MAINLINE VIDEO INSPECTION	6,700.00	FOOT	\$ 16.78	\$112,426.00
7205	SEWER BYPASS	1.00	LS	\$ 7,542.00	\$7,542.00

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Exhibit B.1

GMP 3 - Schedule of Values

BidItem	Bid Description	Bid Quantity	Units	Unit Price	Bid Total
7400	6 INCH SANITARY SEWER PIPE, 5 FT DEPTH	33.00	FOOT	\$ 176.64	\$5,829.12
7500	6 INCH SANITARY SEWER PIPE, 10 FT DEPTH	34.00	FOOT	\$ 192.55	\$6,546.70
7510	10 INCH SANITARY SEWER PIPE, 20 FT DEPTH	22.00	FOOT	\$ 534.46	\$11,758.12
7700	18 INCH SANITARY SEWER PIPE, 10 FT DEPTH	45.00	FOOT	\$ 430.01	\$19,350.45
7800	18 INCH SANITARY SEWER PIPE, 20 FT DEPTH	1,674.00	FOOT	\$ 592.59	\$991,995.66
7900	18 INCH SANITARY SEWER PIPE, OVER 20 FT DEPTH	823.00	FOOT	\$ 769.61	\$633,389.03
8000	10 INCH STORM SEWER PIPE, 5 FT DEPTH	951.00	FOOT	\$ 133.35	\$126,815.85
8100	10 INCH STORM SEWER PIPE, 10 FT DEPTH	191.00	FOOT	\$ 220.67	\$42,147.97
8200	12 INCH STORM SEWER PIPE, 5 FT DEPTH	888.00	FOOT	\$ 144.76	\$128,546.88
8300	12 INCH STORM SEWER PIPE, 10 FT DEPTH	1,661.00	FOOT	\$ 276.04	\$458,502.44
8400	12 INCH STORM SEWER PIPE, 20 FT DEPTH	13.00	FOOT	\$ 529.28	\$6,880.64
8600	18 INCH STORM SEWER PIPE, 5 FT DEPTH	59.00	FOOT	\$ 247.71	\$14,614.89
8700	18 INCH STORM SEWER PIPE, 10 FT DEPTH	161.00	FOOT	\$ 272.91	\$43,938.51
8800	24 INCH STORM SEWER PIPE, 10 FT DEPTH	72.00	FOOT	\$ 378.36	\$27,241.92
8900	12 INCH FRP STORM SEWER PIPE, ON STRUCTURE	288.00	FOOT	\$ 155.04	\$44,651.52
9100	6 INCH PVC PIPE, 5 FT DEPTH	262.00	FOOT	\$ 150.39	\$39,402.18
9200	10 INCH DUCTILE IRON PIPE, 5 FT DEPTH	132.00	FOOT	\$ 254.77	\$33,629.64
9300	FRP SLIP JOINTS, 12 INCH	2.00	EACH	\$ 4,467.74	\$8,935.48
9400	STANDARD CLEANOUT (S-2180)	3.00	EACH	\$ 2,675.10	\$8,025.30
9500	TRENCH DAM	2.00	EACH	\$ 10,911.78	\$21,823.56
9600	CONCRETE SLOPE ANCHOR (S-2195)	4.00	EACH	\$ 6,627.00	\$26,508.00
9700	CONCRETE MANHOLES, STANDARD MANHOLE (S-2005)	19.00	EACH	\$ 14,152.27	\$268,893.13
9800	CONCRETE MANHOLES, SHALLOW MANHOLE (S-2025)	1.00	EACH	\$ 19,315.25	\$19,315.25
9850	MANHOLE TESTING	9.00	EA	\$ 502.85	\$4,525.65
9900	CONCRETE MANHOLES, FLAT TOP MANHOLE (S-2030)	9.00	EACH	\$ 17,645.12	\$158,806.08
10000	CONCRETE MANHOLES, FLOW CONTROL MANHOLE (S-2049)	1.00	EACH	\$ 23,743.97	\$23,743.97
10100	CONCRETE MANHOLES, STORMWATER PRETREATMENT MANHOLE	1.00	EACH	\$ 23,743.97	\$23,743.97
10200	CONCRETE INLETS, TYPE D DITCH INLET (S-2120)	3.00	EACH	\$ 5,598.91	\$16,796.73
10300	CONCRETE INLETS, TYPE CG30 (S-2085)	20.00	EACH	\$ 5,598.91	\$111,978.20
10400	CONCRETE INLETS, TYPE G-2 CATCH BASIN (S-2095)	8.00	EACH	\$ 5,394.67	\$43,157.36
10500	CONCRETE INLETS, TYPE 1 AREA DRAIN AND GRATE (S-21	3.00	EACH	\$ 5,074.83	\$15,224.49
10700	CONCRETE INLETS, SWALE INFLOW SPREADER (S-2225)	1.00	EACH	\$ 6,787.98	\$6,787.98
10800	CONCRETE INLETS, BEEHIVE OVERFLOW INLET (ST-6120)	16.00	EACH	\$ 6,084.34	\$97,349.44
10900	ADJUSTING BOXES	44.00	EACH	\$ 602.39	\$26,505.16
11000	CONNECTION TO EXISTING STRUCTURES	13.00	EACH	\$ 10,494.80	\$136,432.40
11100	ABANDON 10 INCH PIPE	4.00	EACH	\$ 4,422.38	\$17,689.52
11200	ABANDON 12 INCH PIPE	8.00	EACH	\$ 2,532.16	\$20,257.28
11300	ABANDON 18 INCH PIPE	1.00	EACH	\$ 11,852.90	\$11,852.90
11500	MINOR ADJUSTMENT OF MANHOLES	1.00	EACH	\$ 498.15	\$498.15
11600	MAJOR ADJUSTMENT OF MANHOLES	2.00	EACH	\$ 2,465.98	\$4,931.96
11700	TRENCH RESURFACING	300.00	SQYD	\$ 100.97	\$30,291.00
11800	JOINT UTILITY TRENCH	3,670.00	FOOT	\$ 230.33	\$845,311.10
11900	UTILITY VAULT, OLDCASTLE 444-PGE, PGE	6.00	EACH	\$ 8,941.92	\$53,651.52
12000	UTILITY VAULT, OLDCASTLE 577-PGE, PGE	1.00	EACH	\$ 12,894.01	\$12,894.01
12100	UTILITY VAULT, OLDCASTLE 612-PGE, PGE	2.00	EACH	\$ 21,641.80	\$43,283.60
12200	UTILITY VAULT, OLDCASTLE 5106-PGE, PGE	3.00	EACH	\$ 19,899.02	\$59,697.06
12300	UTILITY VAULT, OLDCASTLE 233-PGE, COW	8.00	EACH	\$ 5,714.58	\$45,716.64
12350	UTILITY VAULT - FRANCHISE FURNISH	71.00	EA	\$ 1,483.38	\$105,319.98
12400	3 INCH PVC CONDUIT, PGE	390.00	FOOT	\$ 23.91	\$9,324.90
12500	4 INCH PVC CONDUIT, PGE	5,690.00	FOOT	\$ 18.02	\$102,533.80
12600	6 INCH PVC CONDUIT, PGE	8,600.00	FOOT	\$ 25.34	\$217,924.00
12700	4 INCH PVC CONDUIT, PGE COMMS	3,470.00	FOOT	\$ 16.29	\$56,526.30
12800	2 INCH PVC CONDUIT, COW	790.00	FOOT	\$ 11.24	\$8,879.60
12900	4 INCH PVC CONDUIT, COW	3,220.00	FOOT	\$ 17.34	\$55,834.80
13000	STRUCTURE EXCAVATION	2,951.00	CUYD	\$ 47.34	\$139,700.34
13300	GRANULAR STRUCTURE BACKFILL	72.00	CUYD	\$ 90.52	\$6,517.44

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Exhibit B.1

GMP 3 - Schedule of Values

BidItem	Bid Description	Bid Quantity	Units	Unit Price	Bid Total
13400	FOAMED GLASS AGGREGATE	1,320.00	CUYD	\$ 219.48	\$289,713.60
13450	FURNISH PILE DRIVING EQUIPMENT	1.00	LS	\$ 115,523.35	\$115,523.35
13500	FURNISH HP 14 X 117 STEEL PILES	1,680.00	FOOT	\$ 4.95	\$8,316.00
13600	FURNISH PP 36 X 0.75 STEEL PILES	1,020.00	FOOT	\$ 10.74	\$10,954.80
13700	DRIVE HP 14 X 117 STEEL PILES	18.00	EACH	\$ 6,755.75	\$121,603.50
13800	DRIVE PP 36 X 0.75 STEEL PILES	8.00	EACH	\$ 16,956.39	\$135,651.12
13850	PDA TESTING PIPE PILE	8.00	EACH	\$ 3,229.89	\$25,839.12
13855	PDA TESTING H-PILE	18.00	EA	\$ 3,173.52	\$57,123.36
14000	PREBORING PILES	210.00	FOOT	\$ 478.43	\$100,470.30
14400	REINFORCEMENT, GRADE 60	411,000.00	LB	\$ 1.2275	\$504,502.50
14500	DECK CONCRETE, CLASS HPC4000	503.00	CUYD	\$ 1,680.49	\$845,286.47
14700	GENERAL STRUCTURAL CONCRETE, CLASS 4000	660.00	CUYD	\$ 1,467.72	\$968,695.20
14750	SAWCUT TEXTURING	1,400.00	SY	\$ 10.88	\$15,232.00
14800	ARCHITECTURAL TREATMENT	586.00	SQYD	\$ 45.27	\$26,528.22
14850	ASPHALTIC PLUG JOINT	120.00	LF	\$ 176.00	\$21,120.00
14900	REINFORCED CONCRETE BRIDGE END PANELS	271.00	SQYD	\$ 697.54	\$189,033.34
14950	SLEEPER SLAB	29.00	CY	\$ 1,182.44	\$34,290.76
15000	BT 60 PRECAST PRESTRESSED GIRDERS	2,075.00	FOOT	\$ 473.70	\$982,927.50
15100	BEARING DEVICES, 18INCH WIDE, 12INCH LONG, .5INCH	42.00	EACH	\$ 168.50	\$7,077.00
15300	GRC CONDUIT SYSTEM, 4 INCH DIAMETER	1,050.00	FOOT	\$ 65.05	\$68,302.50
15400	GRC CONDUIT SYSTEM, 6 INCH DIAMETER	700.00	FOOT	\$ 104.08	\$72,856.00
15500	GRC CONDUIT SYSTEM, 2 INCH DIAMETER	700.00	FOOT	\$ 61.56	\$43,092.00
15800	CONCRETE PARAPET	1,050.00	FOOT	\$ 303.79	\$318,979.50
15900	22 INCH CUSTOM STEEL PEDESTRIAN RAIL	1,014.00	FOOT	\$ 339.32	\$344,070.48
16000	UTILITY ATTACHMENT ON STRUCTURES	1.00	LS	\$ 205,566.08	\$205,566.08
16400	RETAINING WALL, MSE	9,810.00	SQFT	\$ 95.16	\$933,519.60
16500	MOMENT SLAB	334.00	FOOT	\$ 824.88	\$275,509.92
16600	COLD PLANE PAVEMENT REMOVAL, 2 INCHES DEEP	680.00	SQYD	\$ 5.03	\$3,420.40
16700	3/4 INCH - 0 AGGREGATE BASE	7,055.00	CY	\$ 92.01	\$649,156.74
16900	LEVEL 2, 1/2 INCH ACP	550.00	TON	\$ 183.26	\$100,793.00
17000	LEVEL 2, 1/2 INCH ACP IN TEMPORARY	210.00	TON	\$ 305.43	\$64,140.30
17100	LEVEL 3, 3/4 INCH ACP	2,850.00	TON	\$ 137.44	\$391,704.00
17200	LEVEL 3, 1/2 INCH ACP	1,450.00	TON	\$ 144.57	\$209,626.50
17300	EXTRA FOR ASPHALT APPROACHES	13.00	EACH	\$ 1,018.09	\$13,235.17
17400	EXTRA FOR ASPHALT WALKS	17,800.00	SQFT	\$ 2.04	\$36,312.00
17500	PLAIN CONCRETE PAVEMENT, DOWELED, 8.5 INCHES THICK	2,911.00	SQYD	\$ 140.92	\$410,218.12
17600	STAMPED PLAIN CONCRETE PAVEMENT, DOWELED, 8.5 INCH	307.00	SQYD	\$ 159.82	\$49,064.74
17700	CONCRETE CURBS, CONCRETE STREET CURB AND GUTTER (R	1,397.00	FOOT	\$ 38.04	\$53,141.88
17800	CONCRETE CURBS, ASPHALT STREET CURB AND GUTTER (RD	5,376.00	FOOT	\$ 35.99	\$193,482.24
17900	CONCRETE CURBS, NON-MOUNTABLE MEDIAN (RD-1065)	750.00	FOOT	\$ 35.99	\$26,992.50
18000	CONCRETE CURBS, THICKENED CURB AND GUTTER	710.00	FOOT	\$ 126.88	\$90,084.80
18100	CONCRETE CURBS, PLANTER WALL	330.00	FOOT	\$ 120.50	\$39,765.00
18200	CONCRETE CURBS, 6 INCH X 6 INCH	1,840.00	FOOT	\$ 37.77	\$69,496.80
18300	CONCRETE CURBS, LOW PROFILE MOUNTABLE CURB	283.00	FOOT	\$ 37.77	\$10,688.91
18400	CONCRETE CURBS, STANDARD CURB	2,930.00	FOOT	\$ 37.77	\$110,666.10
18600	CONCRETE ISLANDS	5,225.00	SQFT	\$ 17.36	\$90,706.00
18700	CONCRETE DRIVEWAYS	5,050.00	SQFT	\$ 12.94	\$65,347.00
18800	CONCRETE DRIVEWAY REINFORCED	3,000.00	SQFT	\$ 15.33	\$45,990.00
18900	CONCRETE WALKS	35,000.00	SQFT	\$ 8.59	\$300,650.00
19000	ADA SIDEWALK RAMP	9,625.00	SQFT	\$ 18.48	\$177,870.00
19100	INSTALL OWNER SUPPLIED GATE	1.00	EACH	\$ 5,363.78	\$5,363.78
19220	MONO-DIRECTIONAL WHITE TYPE 1 MARKERS	48.00	EACH	\$ 10.69	\$513.12
19300	BI-DIRECTIONAL YELLOW TYPE 1 MARKERS	160.00	EACH	\$ 10.69	\$1,710.40
19600	THERMOPLASTIC, EXTRUDED, SURFACE, NON-PROFILED	24,100.00	FOOT	\$ 1.47	\$35,427.00
19700	PAVEMENT LEGEND, TYPE A: ARROWS	10.00	EACH	\$ 341.06	\$3,410.60
19800	PAVEMENT LEGEND, TYPE B-HS: BICYCLE LANE STENCIL	9.00	EACH	\$ 351.24	\$3,161.16

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Exhibit B.1

GMP 3 - Schedule of Values

BidItem	Bid Description	Bid Quantity	Units	Unit Price	Bid Total
20000	PAVEMENT LEGEND, TYPE A: YIELD LINE TRIANGLE	23.00	EACH	\$ 61.09	\$1,405.07
20220	PAVEMENT LEGEND, TYPE B-HS: OFF-STREET PED/BIKE	18.00	EACH	\$ 610.86	\$10,995.48
20230	PAVEMENT BAR: TYPE AB	1,630.00	SQFT	\$ 12.98	\$21,157.40
20300	GREEN BICYCLE LANE, PREFORMED THERMOPLASTIC FILM	1,065.00	SQFT	\$ 17.05	\$18,158.25
20400	CURB DELINEATOR REFLECTORS - MOUNTED	100.00	EACH	\$ 15.27	\$1,527.00
20500	CROSSWALK CLOSURE BARRICADES	2.00	EACH	\$ 1,033.89	\$2,067.78
20600	REMOVE EXISTING SIGNS	1.00	LS	\$ 2,182.08	\$2,182.08
20700	REMOVE AND REINSTALL EXISTING SIGNS	1.00	LS	\$ 519.54	\$519.54
20800	SIGN SUPPORT FOOTINGS	56.00	EACH	\$ 467.59	\$26,185.04
21200	PERFORATED STEEL SQUARE TUBE SLIP BASE SIGN SUPPOR	56.00	EACH	\$ 389.66	\$21,820.96
21600	PERMANENT TYPE III BARRICADES	1.00	EACH	\$ 2,182.08	\$2,182.08
21700	SIGNS, STANDARD SHEETING, SHEET ALUMINUM	430.00	SQFT	\$ 46.76	\$20,106.80
21800	REMOVAL OF ELECTRICAL SYSTEMS	1.00	LS	\$ 6,831.52	\$6,831.52
21900	POLE FOUNDATIONS	1.00	LS	\$ 53,971.56	\$53,971.56
22000	LUMINAIRES, LAMPS, AND BALLASTS	1.00	LS	\$ 70,540.57	\$70,540.57
22100	SWITCHING, CONDUIT, AND WIRING	1.00	LS	\$ 206,896.81	\$206,896.81
22200	LIGHTING POLES AND ARMS	1.00	LS	\$ 214,062.79	\$214,062.79
22300	FLASHING BEACON INSTALLATION, _____	1.00	LS	\$ 151,112.92	\$151,112.92
22400	DETENTION POND	1.00	LS	\$ 302,749.08	\$302,749.08
22500	RAIN GARDEN	1.00	LS	\$ 71,331.76	\$71,331.76
22600	PLANTER NO. CC-1	1.00	LS	\$ 23,475.85	\$23,475.85
22700	PLANTER NO. CC-2	1.00	LS	\$ 36,276.87	\$36,276.87
22800	PLANTER NO. CC-3	1.00	LS	\$ 39,095.38	\$39,095.38
22900	PLANTER NO. MC-2	1.00	LS	\$ 24,932.61	\$24,932.61
23000	PLANTER NO. MC-3	1.00	LS	\$ 38,656.94	\$38,656.94
23100	PLANTER NO. MC-6	1.00	LS	\$ 38,727.35	\$38,727.35
23200	PLANTER NO. MC-7	1.00	LS	\$ 43,511.01	\$43,511.01
23300	PLANTER NO. MC-10	1.00	LS	\$ 25,838.03	\$25,838.03
23400	PLANTER NO. MC-11	1.00	LS	\$ 35,114.43	\$35,114.43
23500	SWALE NO. MC-1	1.00	LS	\$ 43,380.38	\$43,380.38
23600	SWALE NO. MC-4	1.00	LS	\$ 56,466.04	\$56,466.04
23700	SWALE NO. MC-5	1.00	LS	\$ 51,460.98	\$51,460.98
23800	SWALE NO. MC-8	1.00	LS	\$ 52,053.70	\$52,053.70
23900	SWALE NO. MC-9	1.00	LS	\$ 63,873.21	\$63,873.21
24000	SWALE NO. SR-1	1.00	LS	\$ 50,851.05	\$50,851.05
24100	SWALE NO. SR-2	1.00	LS	\$ 71,511.96	\$71,511.96
24200	SEEDING MOBILIZATION	3.00	EACH	\$ 518.21	\$1,554.63
24400	PERMANENT SEEDING	1.10	ACRE	\$ 2,952.68	\$3,247.95
24500	NATIVE PLANT SEEDING	2.60	ACRE	\$ 3,679.90	\$9,567.74
24800	SOIL TESTING	1.00	EACH	\$ 518.21	\$518.21
24900	TOPSOIL	3,450.00	CUYD	\$ 53.89	\$185,920.50
25100	CONIFER TREES, 6 FT HEIGHT	6.00	EACH	\$ 248.74	\$1,492.44
25110	DECIDUOUS TREES, 1 INCH CALIPER	11.00	EACH	\$ 300.56	\$3,306.16
25200	DECIDUOUS TREES, 2 INCH CALIPER	176.00	EACH	\$ 647.76	\$114,005.76
25210	TREES, #2 CONTAINER	867.00	EACH	\$ 27.98	\$24,258.66
25220	DECIDUOUS TREES, 4-6' HEIGHT	38.00	EACH	\$ 155.46	\$5,907.48
25300	SHRUBS, #SP4 CONTAINER	512.00	EACH	\$ 8.29	\$4,244.48
25400	SHRUBS, #1 CONTAINER	6,709.00	EACH	\$ 11.92	\$79,971.28
25500	SHRUBS, #2 CONTAINER	606.00	EACH	\$ 33.17	\$20,101.02
25600	TUBELING PLANT	926.00	EACH	\$ 8.29	\$7,676.54
25700	GROUNDCOVERS, #1 CONTAINER	7,901.00	EACH	\$ 12.44	\$98,288.44
25800	GROUNDCOVERS, #SP4 CONTAINER	5,400.00	EACH	\$ 7.25	\$39,150.00
26000	PLANT CUTTINGS, LESS THAN 1 INCH	943.00	EACH	\$ 7.25	\$6,836.75
26100	BARK MULCH	390.00	CUYD	\$ 67.37	\$26,274.30
26200	ROOT BARRIER	7,000.00	FOOT	\$ 12.44	\$87,080.00
26400	9 FOOT CUSTOM SINGLE GATE	1.00	EACH	\$ 2,514.25	\$2,514.25

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Exhibit B.1

GMP 3 - Schedule of Values

BidItem	Bid Description	Bid Quantity	Units	Unit Price	Bid Total
26500	16 FOOT CUSTOM SLIDING SINGLE GATE	1.00	EACH	\$ 5,531.35	\$5,531.35
26600	TYPE CL-5 CHAIN LINK FENCE	78.00	FOOT	\$ 60.34	\$4,706.52
26700	REMOVING AND REBUILDING FENCE	650.00	FOOT	\$ 40.23	\$26,149.50
26800	REMOVE, RELOCATE AND REBUILD THE CHURCH SIGN (NEW)	1.00	LS	\$ 25,142.50	\$25,142.50
26900	REMOVE AND REINSTALL MAILBOX SUPPORTS	7.00	EACH	\$ 706.38	\$4,944.66
27100	BENCHES, TYPE A	2.00	EACH	\$ 3,128.51	\$6,257.02
27200	IRRIGATION SYSTEM	1.00	LS	\$ 371,746.53	\$371,746.53
27300	IRRIGATION SYSTEM - DESIGN BUILD - RESTORATION ARE	1.00	LS	\$ 48,201.75	\$48,201.75
27400	6 INCH DUCTILE IRON POTABLE WATER PIPE WITH CLASS	40.00	FOOT	\$ 427.43	\$17,097.20
27500	12 INCH DUCTILE IRON POTABLE WATER PIPE WITH CLASS	725.00	FOOT	\$ 240.11	\$174,079.75
27600	12 INCH DUCTILE IRON POTABLE WATER PIPE ON STRUCTU	300.00	FOOT	\$ 175.71	\$52,713.00
27700	12 INCH SMALL POTABLE WATER FITTINGS WITH CLASS B	24.00	EACH	\$ 1,155.75	\$27,738.00
27800	EXTRA TRENCH EXCAVATION WITH CLASS B BACKFILL	30.00	CUYD	\$ 252.71	\$7,581.30
27900	6 INCH CONNECTION TO 12 INCH EXISTING MAIN	1.00	EACH	\$ 5,182.03	\$5,182.03
28000	12 INCH CONNECTION TO 12 INCH EXISTING MAIN	6.00	EACH	\$ 4,548.66	\$27,291.96
28100	BRIDGE SUPPORTED WATER EXPANSION JOINT 12 INCH	2.00	EACH	\$ 15,915.44	\$31,830.88
28200	6 INCH GATE VALVE	3.00	EACH	\$ 3,123.54	\$9,370.62
28300	12 INCH BUTTERFLY VALVE	2.00	EACH	\$ 6,302.18	\$12,604.36
28400	12 INCH COMBINATION AIR RELEASE / AIR VACUUM VALVE	1.00	EACH	\$ 9,729.93	\$9,729.93
28500	HYDRANT ASSEMBLIES	4.00	EACH	\$ 4,061.78	\$16,247.12
28600	MOVING EXISTING HYDRANTS	1.00	EACH	\$ 6,275.98	\$6,275.98
28700	STANDARD STRADDLE BLOCK (WT-3010)	4.00	EACH	\$ 2,790.67	\$11,162.68
28800	RECONNECTING EXISTING WATER SERVICES, 3/4 INCH	8.00	EACH	\$ 3,428.20	\$27,425.60
29200	3/4 INCH WATER SERVICE LINE	80.00	FOOT	\$ 155.60	\$12,448.00
	COST OF WORK SUBTOTAL				\$29,914,114.68
100000	COST OF WORK CONTINGENCY			\$1,872,934.00	\$1,872,934.00
	COST OF WORK CONTINGENCY SUBTOTAL				\$1,872,934.00
	COST OF WORK & CONTINGENCY SUBTOTAL (FEE APPLIED ITEMS)				\$31,787,048.68
	DESIGN BUILDER FEE (13% of Cost of Work & Cost of Work Contingencies)			\$ 4,132,316.33	\$4,132,316.33
	KPFF - ENGINEERING SERVICES FOR CONSTRUCTION	1.00	NTE	\$ 663,317.98	\$663,317.98
100900	ALLOWANCE (PUBLIC ACCOMMOD & RESIDENT ACCESS) *Includes DB Fee	1.00	LS	\$ 45,200.00	\$45,200.00
	DESIGN BUILDER CONTINGENCY *Does not include DB FEE	1.00	LS	\$ 0.00	\$0.00
	TOTAL				\$36,627,882.99
	OR CAT TAX - .57% of Grand Total *Does not include DB Fee			\$208,778.93	\$208,778.93
	GMP #3 - GRAND TOTAL				\$36,836,661.92

EXHIBIT B.2 – ENGINEER'S FEE

City of Wilsonville - Boeckman Road Corridor Progressive Design Build

Sundt/Tapani Joint Venture

In Association with KPFF

GMP 3 Construction Engineering Support Services

Non-Contingency Tasks									
KPFF Civil	KPFF Structural	A2	Kittelson	GreenWorks	Morgan Holen & Associates	Pacific Habitat Services, Inc.	Haley & Aldrich, Inc.	Subtotal	
\$ 204,925.25	\$ 156,101.23	\$ 9,658.93	\$ 38,236.24	\$ 28,812.65	\$ 29,604.72	\$ 13,674.77	\$ 182,304.18	\$	\$ 663,317.98
TASK 23 - GMP3 CONSTRUCTION ENGINEERING SUPPORT SERVICES									
Non-Contingency Totals :									
\$ 204,925.25	\$ 156,101.23	\$ 9,658.93	\$ 38,236.24	\$ 28,812.65	\$ 29,604.72	\$ 13,674.77	\$ 182,304.18	\$	\$ 663,317.98

**Exhibit B.2 - Engineer's Fee
Boeckman Road Corridor Project
GMP3 Construction Engineering Support Services**

BOECKMAN ROAD CORRIDOR PROJECT - FEE ESTIMATE: GMP 3 Construction Engineering Support Services										
Work Item	\$297.38 Civil Principal	\$243.85 Senior Civil PM	\$196.27 Project Engineer Roadway	\$172.48 Design Engineer/ Designer	\$154.64 Draftsperson / Technician - Civil	\$130.85 Project Administrator - Civil	Hours	Labor Cost	Expenses	Subtotals
TASK 23 - GMP3 CONSTRUCTION ENGINEERING SUPPORT SERVICES										
23.1 - Project Management, Administration and Coord.							0	\$ -	\$ -	
Project Coordination (13 Months)	26	108				50	184	\$ 40,610	\$ -	
Monthly invoices (13 Months)	26					52	78	\$ 14,536	\$ -	
Monthly progress reports (13 Months)							13	\$ 3,170	\$ -	
Sub-consultant contracts (Prepare & Administer) (36) one hour virtual meetings	8	12				12	32	\$ 6,875	\$ -	
	8	54					62	\$ 15,547	\$ -	
23.2 - Civil Engineering							0	\$ -	\$ -	
Attend Precon Meeting		4	4				0	\$ -	\$ -	
Up to (8) Site visits (Per visit - 2 hrs on-site/1 hr travel/2 hrs field report/1 hr extra)		12	48	24		8	92	\$ 17,534	\$ 357	
RFI Responses (up to 24)	4	8	24	48		12	96	\$ 17,700	\$ -	
Submittal Reviews (Upto 16 submittals & upto 4 hours each)		8	32	16		8	64	\$ 12,038	\$ -	
Record Drawings	4	8	16	48	40	4	120	\$ 21,269	\$ -	
Project Closeout	4	8	16	16		4	48	\$ 9,564	\$ -	
Utility Coord.		8	16	8		8	40	\$ 7,518	\$ -	
Utility Coord. Meetings (Twentyfour 1-hour meetings)		24		8			32	\$ 7,232	\$ -	
Review unforeseen utilities and conflicts & work with utilities on resolution. (Assume 18 utility/locations - 2 per utility)		12	18	18	12	12	72	\$ 12,990	\$ -	
Temporary Water Line Design							0	\$ -	\$ -	
Cover sheet (w/ notes, abbreviations, legend and sheet index)		1		4	2		7	\$ 1,243	\$ -	
Water Plan and Profile (2)		2	8	12	8		30	\$ 5,365	\$ -	
Water Details (2)		2	4	16	8		30	\$ 5,270	\$ -	
Specifications		2	6			2	10	\$ 1,927	\$ -	
QA/QC	2	2					4	\$ 1,082	\$ -	
Respond to City Review Comments		1	2	2	2		7	\$ 1,291	\$ -	
Subtotal:	82	289	194	220	72	172	1029	\$ 204,521	\$ 404	\$ 204,925
Non-Contingency Totals:										
	82	289	194	220	72	172	1029	\$ 204,521	\$ 404	\$ 204,925

**Exhibit B.2 - Engineer's Fee
Boeckman Road Corridor Project
GMP3 Construction Engineering Support Services**

BOECKMAN ROAD CORRIDOR PROJECT - FEE ESTIMATE: GMP 3 Construction Engineering Support Services												
Work Item	KPPF STRUCTURAL								Hours	Labor Cost	Expenses	Subtotals
	\$297.38 FOR (Bridge) Totten	\$297.38 DOM McMullen	\$297.38 PM Finney	\$202.22 Senior Engineer	\$172.48 Structural Designer	\$154.64 CAD / BIM Modeler	\$130.85 Project Administrator					
TASK 23 - GMP3 CONSTRUCTION ENGINEERING SUPPORT SERVICES												
23.1 - Project Management, Administration and Coord.									0	\$ -	\$ -	-
Project Coordination									0	\$ -	\$ -	-
Monthly invoices						6			6	\$ 785	\$ -	-
Monthly progress reports			12						12	\$ 3,569	\$ -	-
Sub-consultant contracts (Prepare & Administer)									0	\$ -	\$ -	-
									0	\$ -	\$ -	-
									0	\$ -	\$ -	-
23.3 - Structural Engineering									0	\$ -	\$ -	-
Attend Precon Meeting			2						2	\$ 595	\$ -	-
Up to (16) Site visits	8		16				32		56	\$ 12,657	\$ -	-
Structural Interpretations / Modifications	16		60	60	230		16		382	\$ 76,879	\$ -	-
Submittal Reviews	2		20	40	200				262	\$ 49,127	\$ -	-
Record Drawings	1		2		24		24		51	\$ 8,743	\$ -	-
Project Closeout	1		4		8		4		19	\$ 3,747	\$ -	-
Subtotal:	28	0	116	100	494	44	8		790	\$ 156,101	\$ -	\$ 156,101
Non-Contingency Totals:												
	28	0	116	100	494	44	8		790	\$ 156,101	\$ -	\$ 156,101

**Exhibit B.2 - Engineer's Fee
Boeckman Road Corridor Project
GMP3 Construction Engineering Support Services**

BOECKMAN ROAD CORRIDOR PROJECT - FEE ESTIMATE: GMP 3 Construction Engineering Support Services

Work Item	Architectural Applications, P.C.				Hours	Labor Cost	Expenses	Subtotals
	\$172.48	\$136.80						
	Senior Designer	Junior Designer						
TASK 23 - GMP3 CONSTRUCTION ENGINEERING SUPPORT SERVICES								
23.3 - Structural Engineering				0	\$ -	\$ -		
Attend Precon Meeting				0	\$ -	\$ -		
Up to (2) Site visits	8			8	\$ 1,380	\$ -		
RFI Responses	16			16	\$ 2,760	\$ -		
Submittal Reviews	20			20	\$ 3,450	\$ -		
Record Drawings				0	\$ -	\$ -		
Project Closeout	12			12	\$ 2,070	\$ -		
				0	\$ -	\$ -		
Subtotal:	56	0		56	\$ 9,659	\$ -		9,659

Non-Contingency Totals:	56	0		56	\$ 9,659	\$ -		9,659
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**Exhibit B.2 - Engineer's Fee
Boeckman Road Corridor Project
GMP3 Construction Engineering Support Services**

BOECKMAN ROAD CORRIDOR PROJECT - FEE ESTIMATE: GMP 3 Construction Engineering Support Services
Kittelson & Associates, Inc.

Work Item	\$353.29 Senior Principal Engineer	\$303.33 Principal Engineer	\$260.51 Associate Engineer	\$172.48 Engineer	\$146.31 Transp. Analyst	\$221.25 Associate Technician	\$179.62 Senior Technician	Hours	Labor Cost	Expenses	Subtotals
TASK 23 - GMP3 CONSTRUCTION ENGINEERING SUPPORT SERVICES											
23.2 - Civil Engineering											
Attend Precon Meeting			3					0	\$ -	\$ -	-
Up to (4) Site visits			12					3	\$ 782	\$ 25	25
RFI Responses (4)			12					12	\$ 3,126	\$ 100	100
Submittal Reviews (4)			8					8	\$ 2,084	\$ -	-
Record Drawings			6		12			18	\$ 3,319	\$ -	-
Project Closeout			2					2	\$ 521	\$ -	-
Utility Coord.								0	\$ -	\$ -	-
								0	\$ -	\$ -	-
23.5 - Traffic Engineering											
Meetings		6		12				18	\$ 3,890	\$ -	-
RFI Responses (6)		12	6	12				30	\$ 7,273	\$ -	-
Submittal Reviews		8		16				24	\$ 5,186	\$ -	-
Up to (4) Site visits		12		6				18	\$ 4,675	\$ 100	100
Record Drawings		4		8			8	20	\$ 4,030	\$ -	-
								0	\$ -	\$ -	-
								0	\$ -	\$ -	-
Subtotal:	0	42	49	54	12	0	8	165	\$ 38,011	\$ 225	\$ 38,236

Non-Contingency Totals: 0 \$ 42 \$ 49 \$ 54 \$ 12 \$ 0 \$ 8 \$ 165 \$ 38,011 \$ 225 \$ 38,236

**Exhibit B.2 - Engineer's Fee
Boeckman Road Corridor Project
GMP3 Construction Engineering Support Services**

BOECKMAN ROAD CORRIDOR PROJECT - FEE ESTIMATE: GMP 3 Construction Engineering Support Services										
Work Item	\$235.53 Principal/ Technical Director	\$202.81 Landscape Architect IV	\$150.47 Landscape Designer III	\$124.31 Landscape Designer II	\$150.47 Project Assistant	Hours	Labor Cost	Expenses	Subtotals	GreenWorks
TASK 23 - GMP3 CONSTRUCTION ENGINEERING SUPPORT SERVICES										
23.1 - Project Management, Administration and Coord.										
Project Coordination	2	10	4			16	\$ 3,101	\$ -	\$ -	
Monthly invoices						0	\$ -	\$ -	\$ -	
Monthly progress reports						0	\$ -	\$ -	\$ -	
Sub-consultant contracts (Prepare & Administer)						0	\$ -	\$ -	\$ -	
(12) one hour virtual meetings						0	\$ -	\$ -	\$ -	
						0	\$ -	\$ -	\$ -	
						0	\$ -	\$ -	\$ -	
						0	\$ -	\$ -	\$ -	
23.6 - Landscape Architecture Services										
Meetings	2	12	2			16	\$ 3,206	\$ -	\$ -	
ASI Revision Drawings	2	16	8			26	\$ 4,920	\$ -	\$ -	
RFI Responses		16	4			20	\$ 3,847	\$ -	\$ -	
Submittal Reviews		10	2			12	\$ 2,329	\$ -	\$ -	
Up to (4) Site visits		36				36	\$ 7,301	\$ -	\$ -	
Record Drawings	2	12	8			22	\$ 4,109	\$ -	\$ -	
Subtotal:	8	112	28	0	0	148	\$ 28,813	\$ -	\$ 28,813	
Non-Contingency Totals:										
	8	112	28	0	0	148	\$ 28,813	\$ -	\$ 28,813	

**Exhibit B.2 - Engineer's Fee
Boeckman Road Corridor Project
GMP3 Construction Engineering Support Services**

BOECKMAN ROAD CORRIDOR PROJECT - FEE ESTIMATE: GMP 3 Construction Engineering Support Services						
Work Item	Morgan Holen & Associates, LLC		Hours	Cost	Expenses	Subtotals
	\$196.27	Labor				
TASK 23 - GMP3 CONSTRUCTION ENGINEERING SUPPORT SERVICES						
	Morgan Holen, Consulting Arborist					
		0	\$ -	\$ -	-	
		0	\$ -	\$ -	-	
23.7 - Arborist Services		120	\$ 23,553	\$ 160		
On-Call Services and Monitoring Reports		30	\$ 5,888	\$ 4		
Post-Clearing Assessment and Arborist Report						
	Subtotal:	150	\$ 29,441	\$ 164		\$ 29,605
Non-Contingency Totals:						
		150	\$ 29,441	\$ 164		\$ 29,605

**Exhibit B.2 - Engineer's Fee
Boeckman Road Corridor Project
GMP3 Construction Engineering Support Services**

BOECKMAN ROAD CORRIDOR PROJECT - FEE ESTIMATE: GMP 3 Construction Engineering Support Services									
Work Item	Project Manager	Wetland Scientist 2	Graphics Specialist	Admin / Technical Editor	Fisheries Biologist	Hours	Labor		Subtotals
							Cost	Expenses	
Pacific Habitat Services									
	\$228.39	\$148.69	\$115.38	\$103.49	\$209.62				
23.8 - Environmental Consulting Services						0	\$	-	\$
Plant installation review (3 visits x 4 hours)	2	12				14	\$	2,241	\$
Responding to RFI submittals	16					16	\$	3,654	\$
Post construction reporting (DSL, NMFS, Corps)	12	28	4	4		48	\$	7,779	\$
Fish salvage-permitting						0	\$	-	\$
Fish salvage-operations						0	\$	-	\$
						0	\$	-	\$
Subtotal:	30	40	4	4	0	78	\$	13,675	\$
Non-Contingency Totals:									
	30	40	4	4	0	78	\$	13,675	\$

**Exhibit B.2 - Engineer's Fee
Boeckman Road Corridor Project
GMP3 Construction Engineering Support Services**

BOECKMAN ROAD CORRIDOR PROJECT - FEE ESTIMATE: GMP 3 Construction Engineering Support Services

Haley & Aldrich, Inc.

Work Item	Principal	\$282.09 Sr. Project Manager / Technical Expert	\$240.17 Project Manager / Senior Technical Specialist	\$203.92 Technical Specialist	\$198.25 Project Professional	\$180.13 Staff Professional 2	\$167.67 Project Controls	\$138.21 Project Support	Hours	Labor Cost	Expenses	Subtotals
TASK 23 - GMP3 CONSTRUCTION ENGINEERING SUPPORT SERVICES												
23.1 - Project Management, Administration and Coord.												
Project Coordination	28		56						84	\$ 22,522	\$ -	
Monthly invoices			13				13		26	\$ 5,302	\$ -	
Monthly progress reports									0	\$ -	\$ -	
Sub-consultant contracts (Prepare & Administer)									0	\$ -	\$ -	
(12) one hour virtual meetings	16		16						32	\$ 9,027	\$ 952	
									0	\$ -	\$ -	
									0	\$ -	\$ -	
23.9 - Geotechnical Engineering Services									0	\$ -	\$ -	
Driven Piles at Bridge	16		40		8	60		2	126	\$ 27,461	\$ 714	
Embankment Construction	12		40			72			124	\$ 26,464	\$ 833	
Retaining Wall Construction	10		30			60			100	\$ 21,253	\$ 1,308	
Roadway Construction	2		6			46			54	\$ 10,375	\$ 714	
Utility Construction	8		26			24			58	\$ 13,160	\$ 595	
Geotechnical Review and Project Closeout	32		120			12		2	166	\$ 41,627	\$ -	
Subtotal:	124	0	347	0	8	274	13	4	770	\$ 177,189	\$ 5,115	\$ 182,304

Non-Contingency Totals:	124	0	347	0	8	274	13	4	770	\$ 177,189	\$ 5,115	\$ 182,304
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Boeckman Road Corridor Project Exhibit B.3 – GMP 3 Assumptions & Clarifications

GMP #3 – 90% Roundabout, Bridge, Sewer and East Road Improvements

GMP #3 - Assumptions and Clarifications

These Assumptions and Clarifications form the basis of the Tapani | Sundt, a Joint Venture, TSJV, 90% GMP 3 – Roundabout, Bridge, Sewer and East Road Improvements pricing. In the event that there is a conflict between these Assumptions and Clarifications and any other Contract documents, primacy and precedence is given to these Assumptions and Clarifications. Upon approval of the final IFC Contract Documents, which will include Exhibit B.3 GMP 3 IFC Assumptions and Clarifications, the Final IFC Contract Documents shall take precedence over this Exhibit B.3.

General Requirements:

1. Not Used
2. Excludes schedule delays associated with property acquisitions or takes.
3. Work hours assumed to be 50 hours per week, single shift.
4. Assumes no partial or contingent GMP 3 NTP with full NTP on December 11th, 2023.
5. Assumes authorization of GMP 2 Early Material (Piling, MSE Wall Engineering, and Bridge Girder Engineering) to occur no later than 12/6/2023.
6. Excludes removal & replacement of hazardous materials unless shown in the contract drawings and specifications.
7. No “Buy American” or “Buy America” Clauses have been established in the contract documents associated with this GMP.
8. Includes Contractor Quality Control for GMP 3
9. Assumes use of the City owned property on the Southeast corner of Canyon Creek Road and Boeckman Road. Use includes project employee parking and field office facilities.
10. Staging of construction equipment and material will be allowed on Boeckman Road during off hours within shoulder closures.
11. Excludes Quality Assurance.
12. The City of Wilsonville will pay all fees of required permits, except fees associated with electrical trade permits.
13. Excludes any tree permits or fees for tree removals.
14. Excludes use of tire wash as a BMP for track out.
15. OR CAT Tax will be progressively billed monthly at a rate of 0.57% of monthly invoices.
16. Excludes all Boeckman Creek on-site and off-site flow mitigation, stream restoration, and majority of excavation above Boeckman Creek.
17. Not Used
18. Excludes cost for all public relations and accommodation.
19. Excludes construction water costs, to be furnished by COW.
20. Includes cost to rent the bulk water meter, chapman valve, and backflow preventer.

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21. Does not include any delays or costs for encountering historic or archeologically significant unforeseen finds.
22. Not Used
23. Warranty duration will be one year per PDB contract.
24. A reconciliation of the Schedule of Values between GMP 3 90% and GMP 3 100% IFC drawings will occur. The Cost of Work contingency will be utilized for the reconciliation of differences between plan sets.

Traffic Control:

25. Flagging within 300' of the Stafford Rd. and Boeckman Rd. intersection will require shutdown of the traffic signal and flagging of the intersection between the hours of 9am and 3pm.
26. Assumes lane closures and flagging are allowed during normal working hours per Specification section 180.40, except when flagging within 300' of the intersection of Stafford Rd. and Boeckman Rd.
27. Assumes full closure of Boeckman Road between SW Canyon Creek Rd. and Sherman Dr. during round-a-bout and bridge construction.

Sanitary Sewer:

28. Excludes purchase 2340' of 18" PS46 F679 Sanitary Sewer Pipe. Purchase of this pipe quantity is included in GMP 1.
29. Includes purchase of 260' of 18" PS46 F679 Sanitary Sewer Pipe in Bid Item 7800.
30. Includes fittings, cleanouts, tracer wire, manhole adapters, and other components not included in GMP 1 pricing.
31. Assumes a bypass will not be required for the Sewer Main located under the East MSE Wall. If necessary, sewer bypass pumping is included in the Cost of Work contingency.
32. Assumes bypass system will not be required at tie in locations. If necessary, sewer bypass pumping is included in the Cost of Work contingency.
33. Not Used
34. Excludes hydrostatic testing on sanitary pipe.
35. Excludes ODOT requirement of laser profiling of pipe.
36. Includes Sanitary Sewer Manholes in GMP 3
37. Assumes a 4" trash pump will be sufficient for utility trench dewatering. Anything beyond this level of effort is included in the Cost of Work contingency.

Storm Sewer:

38. Not Used
39. Not Used
40. Excludes ODOT requirement of laser profiling of pipe.
41. Excludes vacuum or hydrostatic testing of storm pipe or storm manholes.

Water:

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- 42. Assumes a minimum 8-hour 12" watermain shutdown, per tie-over, will be allowed.
- 43. Assumes licensed plumber will be required to reconnect water services.
- 44. Not Used
- 45. Assumes no insulation required on storm or water utilities under bridge.
- 46. Not Used
- 47. Not Used
- 48. Not Used

Joint Utility Trench:

- 49. Not Used
- 50. Not Used
- 51. Not Used
- 52. Not Used
- 53. Not Used
- 54. Assumes Hot Dip Galvanized and Rigid Metal Conduit for utility bridge hangars. Any material change to utility hangars is included in the Cost of Work Contingency
- 55. Not Used
- 56. Assumes no removal, relocation, and/or restoration of any utility not shown or called out on the Contract drawings. Unknown removal, relocation, and/or restoration of utilities is included in the Cost of Work Contingency.
- 57. Not Used
- 58. Not Used

Structural Concrete:

- 59. Assumes no painting or staining of General, Class 1, Class 2 or Architectural concrete finishes.
- 60. Excludes all anti-graffiti coatings.
- 61. Not Used
- 62. Not Used
- 63. Not Used
- 64. Assumes a commercially available stamp pattern for roundabout truck apron.
- 65 - Integral color concrete for round-a-bout truck apron is included in the Cost of Work contingency
- 66. Not Used
- 67. Any material, labor, and equipment costs to seal cracking of bridge deck and end panels per ODOT 2018 specification 00540.54 is included in the Cost of Work contingency.

Foundations & Retaining Walls:

- 68. Not Used
- 69. Not Used
- 70. Assumes MSE settlement will occur in a 3-month period. Costs associated with an extended settlement period is included in the Cost of Work contingency.

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- 71. Not Used
- 72. Not Used
- 73. Not Used
- 74. Not Used
- 75. No sandblasting, painting, or treatment of exposed pipe pile. Pipe pile to be bare A252 GR3 material.
- 76. Excludes H-Pile and Pipe Pile material only purchase. Purchase for these items is included in GMP 2 allowances.
- 77. Engineering for Girders and MSE Walls is not included. These items are included in GMP 2.
- 78. Not Used
- 79. Not Used

Flatwork:

- 80. Not Used

Site Illumination:

- 81. Not Used

Roadway/Paving:

- 82. Not Used
- 83. Not Used

Bid Items:

- 84. TSJV to provide Lump Sum Breakdown prior to initial GMP 3 invoice for approval. All Lump Sum items to be paid per Lump Sum Breakdown agreed upon between TSJV and the City of Wilsonville
- 85. Bid Item 190 - Street Sweeping (Side Kick Operator Only): To be paid by actual hours of side kick broom operation.
- 86. Bid Item 1000 – Mobilization: 50% to be paid at NTP; 50% to be paid at 5% contract completion.
- 87. Bid Item 1092 – Quality Control Testing: To be paid as an NTE. GMP 3 monthly invoicing to be paid based off actual Quality Control firm invoice.
- 88. Not Used
- 89. Not Used
- 90. Not Used
- 91. Not Used
- 92. Not Used
- 93. Bid Item 7205 – Sewer Bypass: Assumes bypass system for sewer main installation between EX-SMH-22 and EX-SMH-24 shown on sht. CO7A
- 94. Not Used
- 95. Not Used

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96. Bid Item 19100 – Install Owner Supplied Gate: Installation of City of Wilsonville furnished gate. Includes pickup of gate from 12771 SW Tooze Rd. Excludes any painting or surface finish repair. Excludes any modification of gate for installation.

97. Not Used

Contingency and Allowances:

98. Not Used

99. Not Used

100. Not Used

101. Not Used

102. Not Used

103. Not Used

104. Not Used

105. Not Used

106. Not Used

107. Not Used

108. Not Used

109. Not Used

110. Not Used

111. Not Used

112. Not Used

113. Not Used

114. Not Used

115. Not Used

116. Not Used

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Exhibit B.4

GMP 3 - Equipment Rates

Based on 11/22/2022 Equipment Watch

Equipment	Description	GMP 3 Rate
8AP	**ASPHALT**	
8AP1	PAVER - VOGELE 2100-2	\$ 450.04
8AP2	SHUTTLE BUGGY - ROADTEC 2500D	\$ 455.49
8B	**BACKHOES AND GANNONS**	
8B430	BACKHOE - CAT 430F EXT HOE	\$ 52.00
8B430H	BACKHOE - CAT 430 W H50S HOE RAM	\$ 119.99
8BGAN	GANNON - CAT 415/DEEERE 210 (40 HR/WK)	\$ 52.00
8BP	**CONCRETE BATCH PLANT**	
8BP1	BATCH PLANT - ERIE STRAYER	\$ 394.24
8BP2	BATCH PLANT - CONECO	\$ 262.47
8BPCHILL	CONCRETE CHILLER W GEN/TANK	\$ 144.60
8BPGEN1	GENERATOR-100KW CAT XQ125	\$ 65.36
8BPGEN3	GENERATOR-500 KW ERIE	\$ 266.91
8CP	**CONCRETE PAVING**	
8CP2800	CONC PAVER - GT2800	\$ 275.30
8CP4000	CONC PAVER - GP4000	\$ 306.65
8CPBID	BIDWELL 4800	\$ 257.68
8CPBM	BARRIER MACH - COMMANDER 3	\$ 327.51
8CPC3	CONC PAVER - COMMANDER 3	\$ 327.51
8CPDR	EZ DRILL AND 900 COMPRESS	\$ 131.16
8CPPS	PLACER SPREADER - PS4000	\$ 279.77
8CP RTP	PLACER - RTP 500	\$ 259.95
8CPTIN	CURE BRIDGE - TC600	\$ 55.62
8CPTS	TRUSS SCREED - MET FORMS INC	\$ 37.15
8CR	**CRANES**	
8CR230	250 TN CRAWLER KOBELCO CK2500	\$ 275.00
8CR80	80 TN RT RTC-8080	\$ 140.00
8CRBT	15T BOOM TRUCK	\$ 62.25
8D	**DOZERS**	
8D5	DOZER - D5K2 XL	\$ 110.00
8EX	**EXCAVATORS**	
8EX308	EXCAVATOR - CAT 308	\$ 45.00
8EX323	EXCAVATOR - CAT 323/325	\$ 88.00
8EX336	EXCAVATOR - CAT 336F	\$ 121.00
8EX336H	EXCAVATOR - CAT 336E W H160 HAM	\$ 185.00
8EX349	EXCAVATOR - CAT 349F	\$ 173.00

8EX374	EXCAVATOR - CAT 374F L	\$	222.00
8EXCW336	COMPACTION WHEEL FOR 336 (40 HR/WK)	\$	7.00
8G	**GRADERS**		
8G14	BLADE - CAT 14M	\$	193.15
8G140M	BLADE - CAT 140M	\$	110.00
8H	**HOISTING, FORKS,MANLIFTS**		
8HFL	TELEHANDLER - GENIE 1056	\$	45.00
8HML	MANLIFT - GENIE Z45	\$	41.00
8HSL	SCISSORLIFT - GENIE GS3390	\$	89.69
8L	**LOADERS**		
8L938	LOADER - CAT 938	\$	62.00
8L950	LOADER - CAT 950M	\$	82.00
8LSS	SKIDSTEER - CAT 272	\$	52.00
8PU	**TRUCKS**		
8PU1	PICKUP 4X2 STD CAB 1/2T	\$	18.23
8PU2	FLATRACK 4X2 STD CAB 1T	\$	22.07
8R	**ROLLERS**		
8R66	66" SGL DRM VIB. - CAT CP44B	\$	66.00
8R84	84" SGL DRM VIB. - CAT CP56B	\$	78.00
8RRAM	RAMMAX P33	\$	24.00
8S	**SCRAPERS**		
8S613	SCRAPER - 613	\$	163.65
8S623	SCRAPER - 623H 15 BCY	\$	353.84
8TR	**TRAILERS**		
8TRL	LUBE TRUCK	\$	65.12
8TRM	MECHANIC TRUCK	\$	50.00
8TRT	**TRAILERS**		
8TRTL1	TRAILER - UTILITY FARM	\$	7.07
8TRTL2	TRAILER - CARGO VAN	\$	1.54
8W	**WATER TRUCKS, PULLS,**		
8WKLEIN	WATER TOWER - KLEIN TANK	\$	12.00
8WT2	WATER TRUCK - 2K GAL	\$	36.00
8WT4	WATER TRUCK - 4K GAL	\$	64.00
8Z	**GC/MINOR EQUIPMENT**		
8ZAIR	185 CFM AIR COMPRESSOR	\$	18.00
8ZBROOM2	SIDECAST BRROM (ROSCO)	\$	60.13
8ZGPS	GPS GRADE CONTROL	\$	25.00
8ZLP	LIGHT PLANT	\$	12.00
8ZWB	WATER BUFFALO	\$	3.63
8ZWELD2	400 AMP WELDER	\$	14.37
8ZWP4	PUMP - 4" TRASH	\$	30.00

Notwithstanding anything to the contrary within this document, labor & equipment contained in Exhibits B.4 & B.5 have been negotiated and approved by the City of Wilsonville prior to the commencement of work and are stipulated rates.

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Exhibit B.5

GMP 3 - Labor Rates

***Admin** - Rates are burdened labor only

***Craft** - Prevailing Wage publications applicable to this contract are the Prevailing Wage Rates for Public Works Contracts in Oregon effective January 5, 2023, the Prevailing Wage Rate Amendments effective January 11, 2023, and the October 1, 2022 PWR Apprenticeship Rates.

Admin	
Description	GMP 3 Rate
AREA MANAGER	\$ 183.67
PROJECT MANAGER	\$ 159.59
PROJECT ENGINEER	\$ 95.86
FIELD ENGINEER	\$ 70.36
STRUCT ENGINEER	\$ 88.78
PCCP ENGINEER	\$ 74.70
UTILITY ENGINEER	\$ 74.70
PROJECT CONTROLS/OFFICE ENG	\$ 74.70
GENERAL SUPERINTENDENT	\$ 98.69
UTILITY SUPERINTENDENT	\$ 88.78
STRUCTURE SUPERINTENDENT	\$ 98.69
PLANT SUPERINTENDENT	\$ 81.50
PCCP SUPERINTENDENT	\$ 81.50
SWING SHIFT SUPERINTENDENT	\$ 81.50
GRADING SUPERINTENDENT	\$ 81.50
SAFETY MANAGER	\$ 95.11
SAFETY COORDINATOR	\$ 84.53
PROJECT ANDMINISTRATOR	\$ 63.28
SCHEDULER	\$ 115.53
INTERNS	\$ 40.66
MODELER	\$ 85.59

Craft	
Description	GMP 3 Rate
JOURNEYMAN CARP	\$ 79.17
CARPENTER PILEMAN	\$ 79.35
CARPENTER FOREMAN	\$ 84.25
CARPENTER WELDER	\$ 81.87
ELECTRICIAN	\$ 78.36

Exhibit B.5

GMP 3 - Labor Rates

Craft	
Description	GMP 3 Rate
FINISHER 1	\$ 78.83
FINISH -MACHINES	\$ 78.83
FINISHER FOREMAN	\$ 81.21
PCCP FINISH HELPER	\$ 77.83
PCCP FINISHER 2	\$ 77.83
PCCP FINISH FOREMAN	\$ 80.21
IRONWORKER REBAR	\$ 92.97
IRONWORKER STR STEEL	\$ 92.97
IRONWORKER STR STEEL FOREMAN	\$ 95.35
LABOR GEN,FLAG,DUMP,STRIP	\$ 57.87
LABOR CONC,GUINEA,TENDER	\$ 63.35
LABOR TOOL,RIGGER,PRECAST	\$ 63.35
LABOR RAKER,PIPE,CHUCK	\$ 63.35
LABOR LEAD,DRILL,SCALER	\$ 64.86
LABOR FOREMAN	\$ 67.24
PCCP DOWEL INSERTERS	\$ 63.35
PCCP GEN. LAB-CLEAN UP	\$ 63.35
PCCP DUMPMAN	\$ 64.86
PCCP FOREMAN	\$ 67.46
LABOR, PIPE - GENERAL	\$ 63.35
LABOR, PIPE - TOPMAN, BACKUP	\$ 63.35
LABOR, PIPE - PIPELAYER	\$ 64.86
OP ROLLER, BH, FORK, 938	\$ 79.32
OP SCRAPER, 950, 966, 323	\$ 79.32
OP BLADE, D8, 336, 349, 980	\$ 84.65
OP D10, 374, 988	\$ 84.65
OP CRANE	\$ 86.92
OP OILER CRANE	\$ 84.44
OP FOREMAN	\$ 89.31
OP GRADE CHECKER	\$ 79.32
OP MECH/WELDER	\$ 84.65
PCCP TEXT / CURE	\$ 79.32
PCCP GROUNDMAN / LDR OPR.	\$ 79.32
PCCP PAVER / PLACER OPR	\$ 84.65
PCCP OPERATOR FOREMAN	\$ 87.03
PILEBUCK/MARINE CARPENTER	\$ 78.95
PILEBUCK FOREMAN	\$ 81.33
PIPE OPERATOR FOREMAN	\$ 83.80
2/3AXLE FLATRACK/2M WATER	\$ 58.07
DRIVER 4M WATER	\$ 58.07

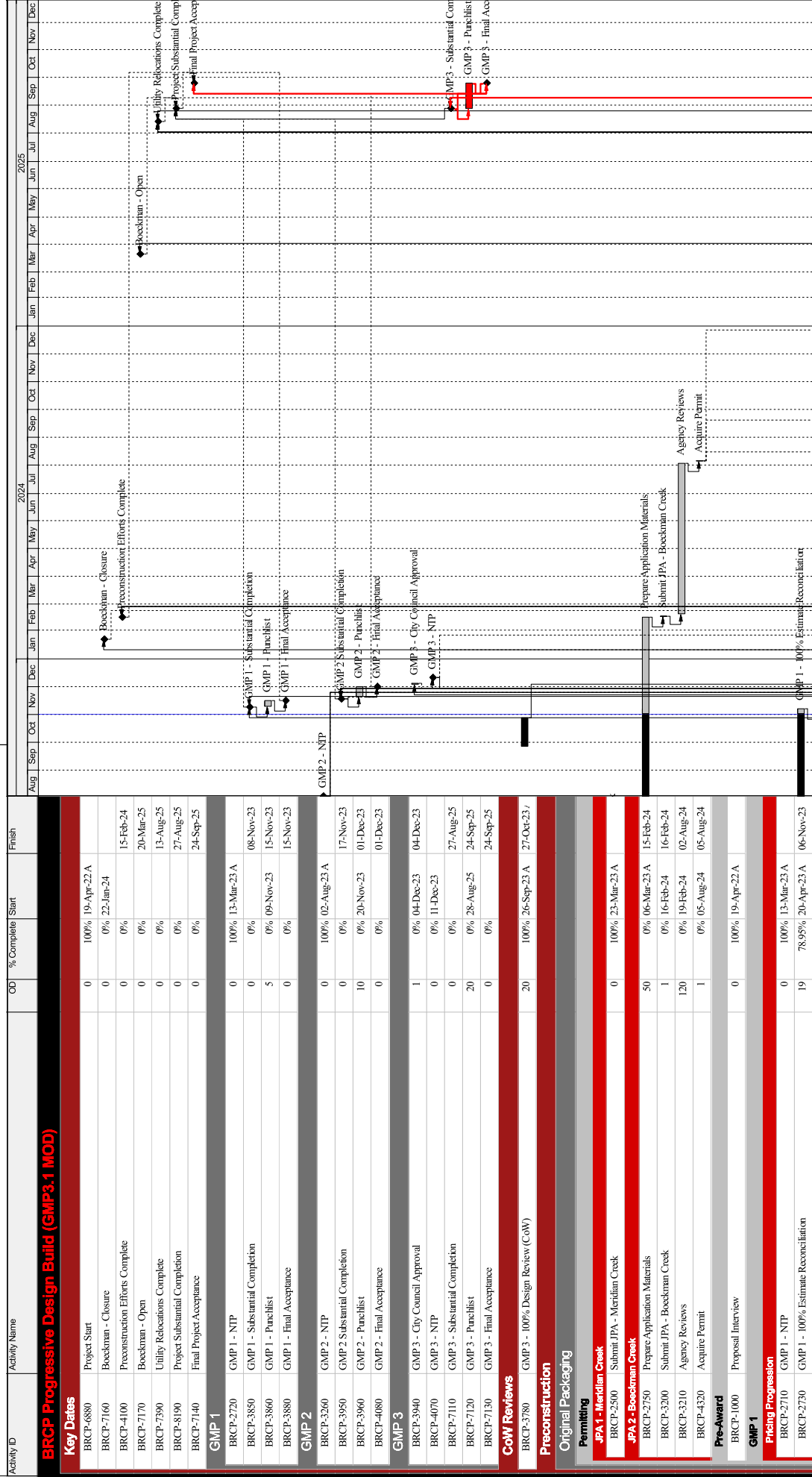
Exhibit B.5

GMP 3 - Labor Rates

Craft	
Description	GMP 3 Rate
5AXLE DUMP/>4M WATER	\$ 74.49

Notwithstanding anything to the contrary within this document, labor & equipment contained in Exhibits B.4 & B.5 have been negotiated and approved by the City of Wilsonville prior to the commencement of work and are stipulated rates.

Data Date: 01-Nov-23

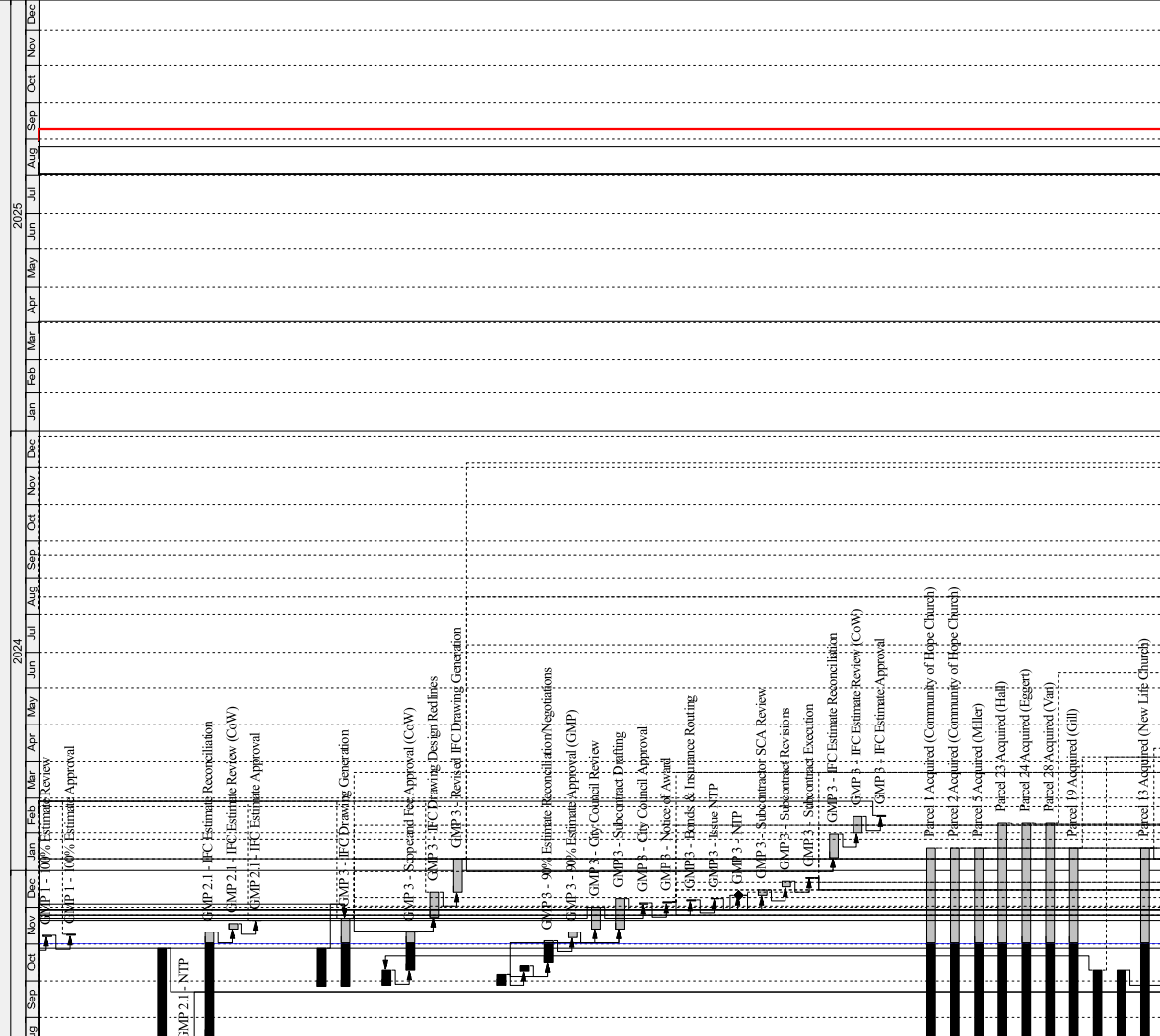


Activity ID	Activity Name	OD	% Complete	Start	Finish
Key Dates					
BRCP-6880	Project Start	0	100%	19-Apr-22 A	
BRCP-7160	Boeckman - Closure	0	0%	22-Jan-24	15-Feb-24
BRCP-4100	Preconstruction Efforts Complete	0	0%		20-Mar-25
BRCP-7170	Boeckman - Open	0	0%		15-Aug-25
BRCP-7390	Utility Relocations Complete	0	0%		27-Aug-25
BRCP-8190	Project Substantial Completion	0	0%		24-Sep-25
BRCP-7140	Final Project Acceptance	0	0%		
GMP 1					
BRCP-2720	GMP 1 - NTP	0	100%	13-Mar-23 A	
BRCP-3850	GMP 1 - Substantial Completion	0	0%		08-Nov-23
BRCP-3860	GMP 1 - Punchlist	5	0%	09-Nov-23	15-Nov-23
BRCP-3880	GMP 1 - Final Acceptance	0	0%		15-Nov-23
GMP 2					
BRCP-3260	GMP 2 - NTP	0	100%	02-Aug-23 A	
BRCP-3950	GMP 2 Substantial Completion	0	0%		17-Nov-23
BRCP-3960	GMP 2 - Punchlist	10	0%	20-Nov-23	01-Dec-23
BRCP-4080	GMP 2 - Final Acceptance	0	0%		01-Dec-23
GMP 3					
BRCP-3940	GMP 3 - City Council Approval	1	0%	04-Dec-23	04-Dec-23
BRCP-4070	GMP 3 - NTP	0	0%	11-Dec-23	
BRCP-7110	GMP 3 - Substantial Completion	0	0%		27-Aug-25
BRCP-7120	GMP 3 - Punchlist	20	0%	28-Aug-25	24-Sep-25
BRCP-7130	GMP 3 - Final Acceptance	0	0%		24-Sep-25
CoW Reviews					
BRCP-3780	GMP 3 - 100% Design Review (CoW)	20	100%	26-Sep-23 A	27-Oct-23 /
Preconstruction					
Original Packaging					
Permitting					
JPA 1 - Meridian Creek					
BRCP-2500	Submit JPA - Meridian Creek	0	100%	23-Mar-23 A	
JPA 2 - Boeckman Creek					
BRCP-2750	Prepare Application Materials	50	0%	06-Mar-23 A	15-Feb-24
BRCP-3200	Submit JPA - Boeckman Creek	1	0%	16-Feb-24	16-Feb-24
BRCP-3210	Agency Reviews	120	0%	19-Feb-24	02-Aug-24
BRCP-4320	Acquire Permit	1	0%	05-Aug-24	05-Aug-24
Pre-Award					
BRCP-1000	Proposal Interview	0	100%	19-Apr-22 A	
GMP 1					
Pricing Progression					
BRCP-2710	GMP 1 - NTP	0	100%	13-Mar-23 A	
BRCP-2730	GMP 1 - 100% Estimate Reconciliation	19	78.95%	20-Apr-23 A	06-Nov-23

Actual Work
 Critical Remaining Work
 Remaining Work
 Milestone
 Remaining Level of Effort

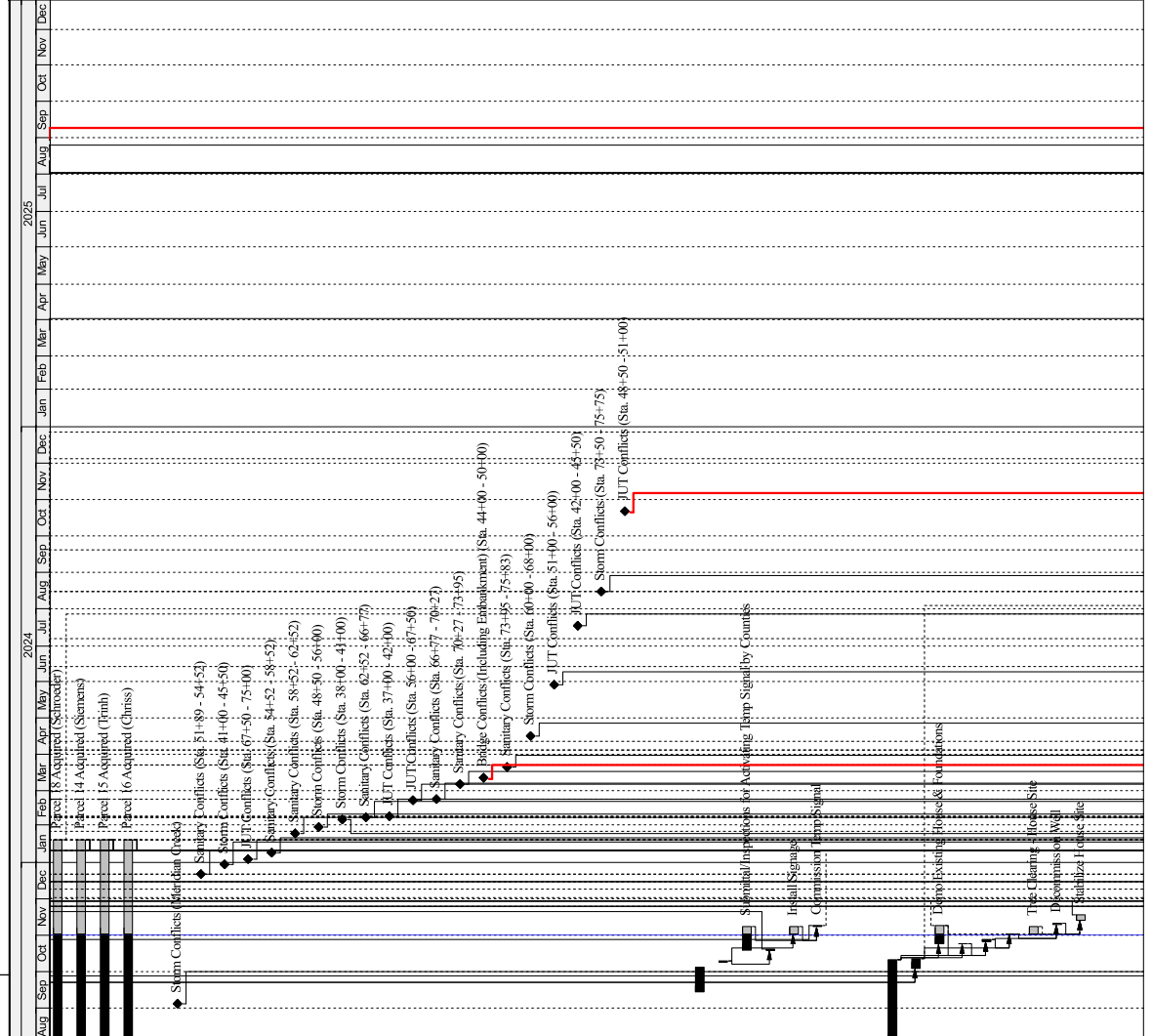
Data Date: 01-Nov-23

Activity ID	Activity Name	OD	% Complete	Start	Finish
BRCF-2740	GMP 1 - 100% Estimate Review	1	0%	07-Nov-23	07-Nov-23
BRCF-2790	GMP 1 - 100% Estimate Approval	1	0%	08-Nov-23	08-Nov-23
Revised Packaging					
GMP 2.1					
Pricing Progression					
BRCF-3230	GMP 2.1 - Subcontractor Procurement	10	100%	02-Aug-23 A	27-Oct-23 /
BRCF-3240	GMP 2.1 - NTP	0	100%	02-Aug-23 A	
BRCF-3150	GMP 2.1 - IFC Estimate Reconciliation	15	46.67%	16-Aug-23 A	10-Nov-23
BRCF-3310	GMP 2.1 - IFC Estimate Review (CoW)	5	0%	13-Nov-23	17-Nov-23
BRCF-3430	GMP 2.1 - IFC Estimate Approval	1	0%	20-Nov-23	20-Nov-23
GMP 3					
Design Progression					
BRCF-3770	GMP 3 - 100% Design Review	20	100%	26-Sep-23 A	27-Oct-23 /
BRCF-3790	GMP 3 - IFC Drawing Generation	30	46.67%	26-Sep-23 A	22-Nov-23
Scope Reduction					
BRCF-9810	GMP 3 - Scope and Fee Development (Excavation Removal and Stream Restoration)	10	100%	27-Sep-23 A	09-Oct-23 /
BRCF-9820	GMP 3 - Scope and Fee Approval (CoW)	15	46.67%	10-Oct-23 A	10-Nov-23
BRCF-9830	GMP 3 - IFC Drawing Design Redlines	20	0%	23-Nov-23	15-Dec-23
BRCF-9840	GMP 3 - Revised IFC Drawing Generation	20	0%	14-Dec-23	10-Jan-24
Pricing Progression					
BRCF-4680	GMP 3 - Cost Proposal Revisions	8	100%	27-Sep-23 A	06-Oct-23 /
BRCF-4700	GMP 3 - 90% Cost Review Proposal Review (CoW)	5	100%	09-Oct-23 A	13-Oct-23 /
BRCF-3640	GMP 3 - 90% Estimate Reconciliation/Negotiations	5	40%	16-Oct-23 A	03-Nov-23
BRCF-3720	GMP 3 - 90% Estimate Approval (GMP)	5	0%	06-Nov-23	10-Nov-23
BRCF-3740	GMP 3 - City Council Review	15	0%	13-Nov-23	01-Dec-23
BRCF-7630	GMP 3 - Subcontract Drafting	20	0%	13-Nov-23	08-Dec-23
BRCF-3930	GMP 3 - City Council Approval	1	0%	04-Dec-23	04-Dec-23
BRCF-6140	GMP 3 - Notice of Award	1	0%	05-Dec-23	05-Dec-23
BRCF-6380	GMP 3 - Bonds & Insurance Routing	2	0%	06-Dec-23	07-Dec-23
BRCF-6420	GMP 3 - Issue NTP	1	0%	08-Dec-23	08-Dec-23
BRCF-4060	GMP 3 - NTP	0	0%	11-Dec-23	
BRCF-7640	GMP 3 - Subcontractor SCA Review	5	0%	11-Dec-23	15-Dec-23
BRCF-7650	GMP 3 - Subcontract Revisions	5	0%	18-Dec-23	22-Dec-23
BRCF-7660	GMP 3 - Subcontract Execution	1	0%	25-Dec-23	25-Dec-23
BRCF-3800	GMP 3 - IFC Estimate Reconciliation	15	0%	11-Jan-24	31-Jan-24
BRCF-3980	GMP 3 - IFC Estimate Review (CoW)	10	0%	01-Feb-24	14-Feb-24
BRCF-4090	GMP 3 - IFC Estimate Approval	1	0%	15-Feb-24	15-Feb-24
ROW/ICE Procurement					
BRCF-8030	Parcel 1 Acquired (Community of Hope Church)	70	17.14%	24-Feb-23 A	19-Jan-24
BRCF-8040	Parcel 2 Acquired (Community of Hope Church)	70	17.14%	24-Feb-23 A	19-Jan-24
BRCF-8070	Parcel 5 Acquired (Miller)	70	17.14%	18-Apr-23 A	19-Jan-24
BRCF-8080	Parcel 23 Acquired (Hall)	70	0%	18-Apr-23 A	09-Feb-24
BRCF-8090	Parcel 24 Acquired (Eggett)	70	0%	18-Apr-23 A	09-Feb-24
BRCF-9200	Parcel 28 Acquired (Van)	70	0%	18-Apr-23 A	09-Feb-24
BRCF-8130	Parcel 19 Acquired (Gill)	70	17.14%	18-Apr-23 A	19-Jan-24
BRCF-8140	Parcel 20 Acquired (Faloner, Not Needed W/ Scope Reduction)	70	100%	18-Apr-23 A	09-Oct-23 /
BRCF-8100	Parcel 12 Acquired (Baies)	70	100%	16-May-23 A	09-Oct-23 /
BRCF-8110	Parcel 13 Acquired (New Life Church)	70	17.14%	20-Jun-23 A	19-Jan-24

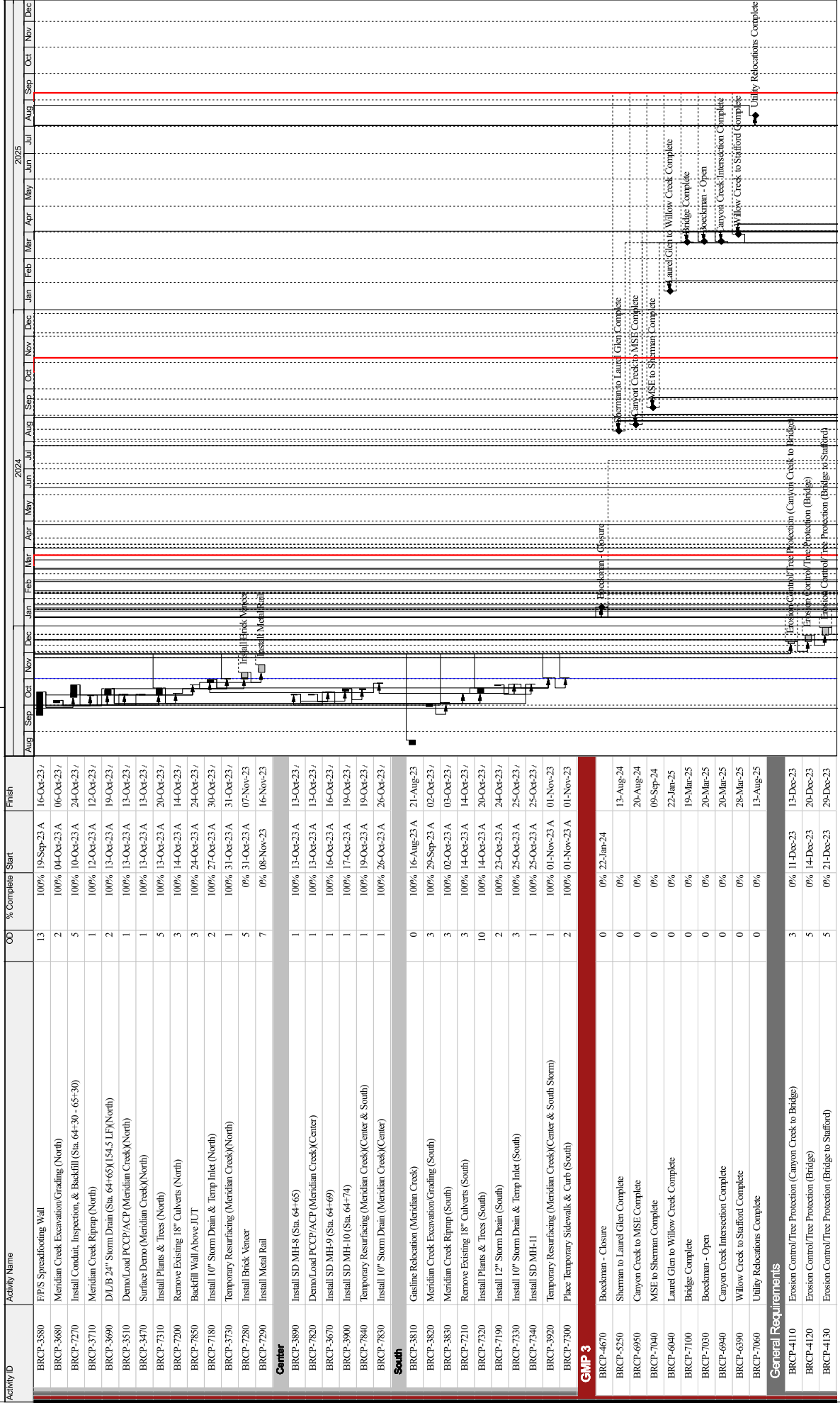


Data Date: 01-Nov-23

Activity ID	Activity Name	OD	% Complete	Start	Finish
BRCP-8120	Parcel 18 Acquired (Schroeder)	70	17.14%	20-Jun-23 A	19-Jan-24
BRCP-8150	Parcel 14 Acquired (Siemens)	70	17.14%	20-Jun-23 A	19-Jan-24
BRCP-8160	Parcel 15 Acquired (Trinh)	70	17.14%	20-Jun-23 A	19-Jan-24
BRCP-8170	Parcel 16 Acquired (Chriss)	70	17.14%	20-Jun-23 A	19-Jan-24
Utility Conflicts/Resolution					
BRCP-2300	Storm Conflicts (Meridian Creek)	0	100%	04-Sep-23	
BRCP-1910	Sanitary Conflicts (Sta. 51+89 - 54+52)	0	0%	21-Dec-23	
BRCP-2450	Storm Conflicts (Sta. 41+00 - 45+50)	0	0%	29-Dec-23	
BRCP-2330	JUT Conflicts (Sta. 67+50 - 75+00)	0	0%	03-Jan-24	
BRCP-1920	Sanitary Conflicts (Sta. 54+52 - 58+52)	0	0%	08-Jan-24	
BRCP-1930	Sanitary Conflicts (Sta. 58+52 - 62+52)	0	0%	24-Jan-24	
BRCP-2270	Storm Conflicts (Sta. 48+50 - 56+00)	0	0%	30-Jan-24	
BRCP-2440	Storm Conflicts (Sta. 38+00 - 41+00)	0	0%	05-Feb-24	
BRCP-1940	Sanitary Conflicts (Sta. 62+52 - 66+77)	0	0%	07-Feb-24	
BRCP-2470	JUT Conflicts (Sta. 37+00 - 42+00)	0	0%	08-Feb-24	
BRCP-2320	JUT Conflicts (Sta. 56+00 - 67+50)	0	0%	21-Feb-24	
BRCP-1950	Sanitary Conflicts (Sta. 66+77 - 70+27)	0	0%	22-Feb-24	
BRCP-1960	Sanitary Conflicts (Sta. 70+27 - 73+95)	0	0%	06-Mar-24	
BRCP-2460	Bridge Conflicts (Including Embankment) (Sta. 44+00 - 50+00)	0	0%	11-Mar-24	
BRCP-1970	Sanitary Conflicts (Sta. 73+95 - 75+83)	0	0%	20-Mar-24	
BRCP-2280	Storm Conflicts (Sta. 60+00 - 68+00)	0	0%	15-Apr-24	
BRCP-2310	JUT Conflicts (Sta. 51+00 - 56+00)	0	0%	28-May-24	
BRCP-2480	JUT Conflicts (Sta. 42+00 - 45+50)	0	0%	17-Jul-24	
BRCP-2290	Storm Conflicts (Sta. 73+50 - 75+75)	0	0%	15-Aug-24	
BRCP-2490	JUT Conflicts (Sta. 48+50 - 51+00)	0	0%	21-Oct-24	
GMP 1					
S.W. Stafford Rd. & S.W. 65th Ave.					
BRCP-3500	Install Luminaires, Span Wires, & Signal Heads	8	100%	14-Sep-23 A	04-Oct-23 /
BRCP-4180	Pave Access Pad	1	100%	09-Oct-23 A	09-Oct-23 /
BRCP-3650	Submittal Inspections for Activating Temp Signal by Counties	5	0%	19-Oct-23 A	07-Nov-23
BRCP-3620	Install Striping & Rumble Strips	1	100%	19-Oct-23 A	19-Oct-23 /
BRCP-7800	Install Signage	5	0%	01-Nov-23	07-Nov-23
BRCP-3840	Commission Temp Signal	1	0%	08-Nov-23	08-Nov-23
GMP 2.1					
House Demolition Scope					
BRCP-3970	Procure Demolition Permits	50	100%	03-Aug-23 A	10-Oct-23 /
BRCP-3530	Disconnect Electrical Meter/Cabinet/Transformer	1	100%	04-Oct-23 A	11-Oct-23 /
BRCP-3700	Demo Existing House & Foundations	5	0%	24-Oct-23 A	08-Nov-23
BRCP-3600	Disconnect Misc. Utility Connections	1	100%	24-Oct-23 A	24-Oct-23 /
BRCP-3630	Decommission Septic Tank	5	100%	26-Oct-23 A	27-Oct-23 /
BRCP-3560	Isolate & Disconnect Water Meter	1	100%	01-Nov-23 A	01-Nov-23
BRCP-4840	Tree Clearing - House Site	5	0%	01-Nov-23	07-Nov-23
BRCP-3660	Decommission Well	2	0%	09-Nov-23	10-Nov-23
BRCP-7790	Stabilize House Site	5	0%	13-Nov-23	17-Nov-23
Meridian Creek Scope					
North					

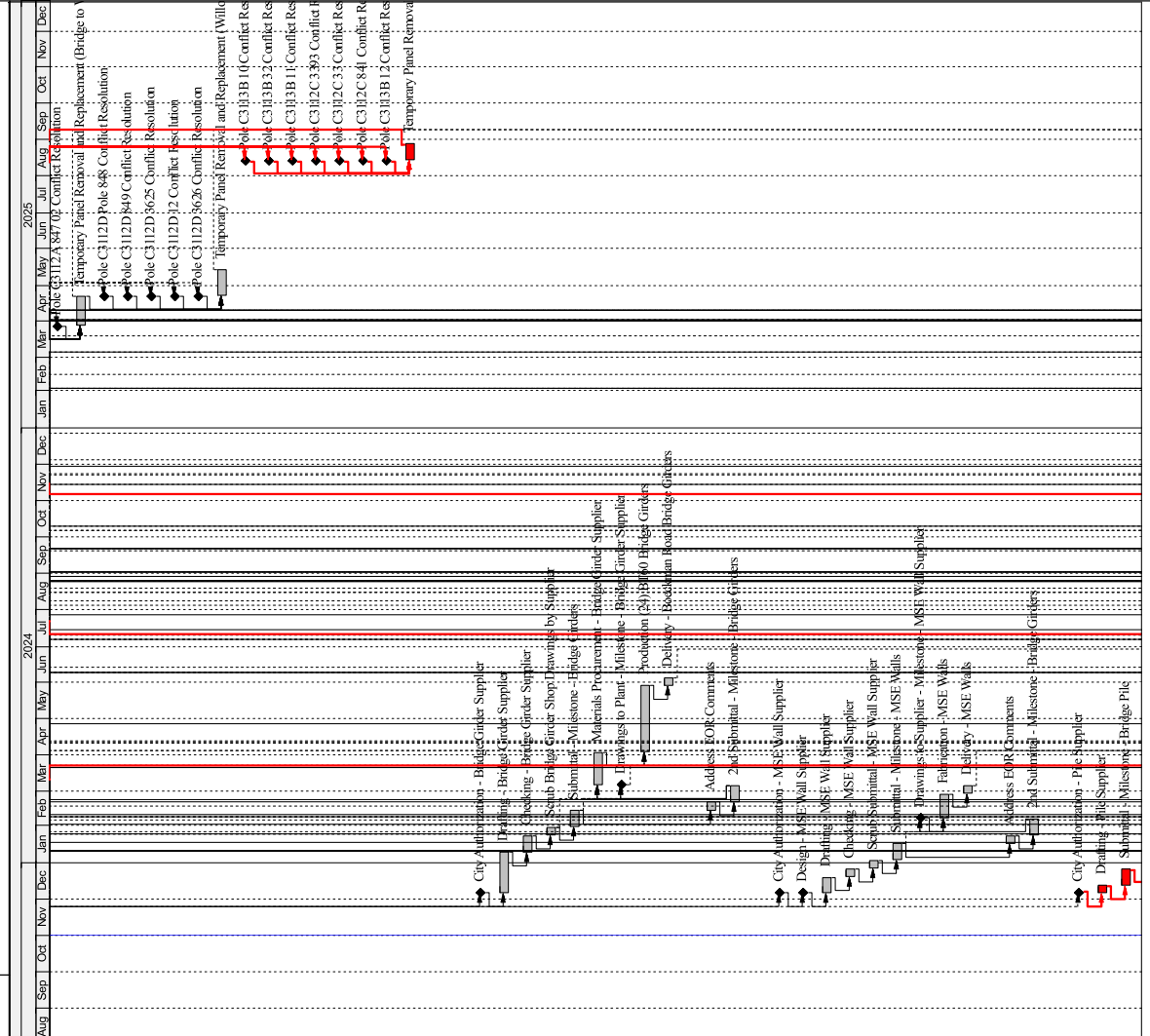


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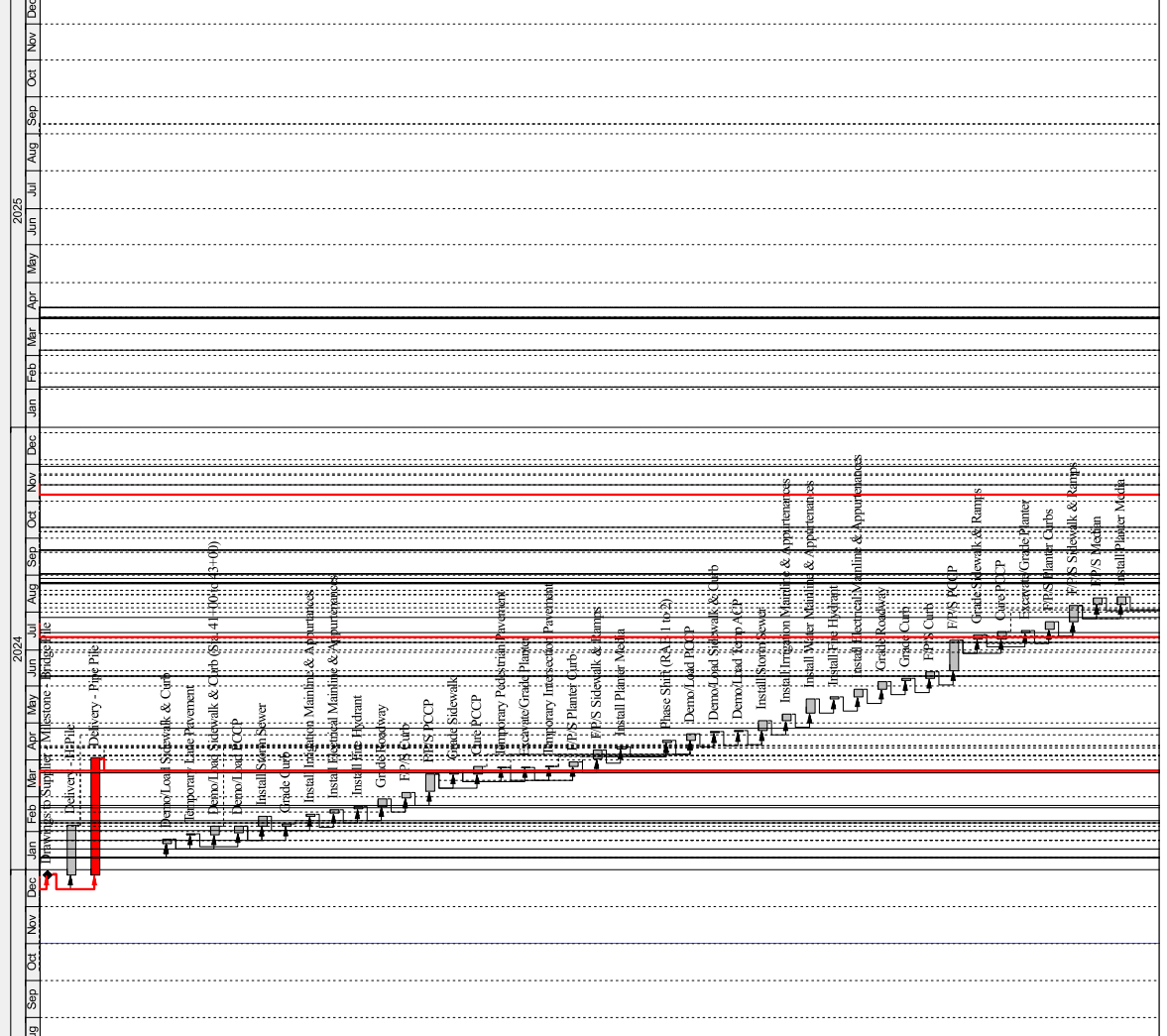
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Activity ID	Activity Name	OD	% Complete	Start	Finish
BRCPP-9270	Pole C3112A 847 02 Conflict Resolution	0	0%	27-Mar-25	
BRCPP-9340	Temporary Panel Removal and Replacement (Bridge to Willow Creek)	15	0%	28-Mar-25	
BRCPP-9280	Pole C3112D Pole 848 Conflict Resolution	0	0%	21-Apr-25	
BRCPP-9290	Pole C3112D Pole 849 Conflict Resolution	0	0%	21-Apr-25	
BRCPP-9300	Pole C3112D Pole 849 Conflict Resolution	0	0%	21-Apr-25	
BRCPP-9310	Pole C3112D Pole 849 Conflict Resolution	0	0%	21-Apr-25	
BRCPP-9320	Pole C3112D Pole 849 Conflict Resolution	0	0%	21-Apr-25	
BRCPP-9330	Temporary Panel Removal and Replacement (Willow Creek to Stafford)	15	0%	22-Apr-25	
BRCPP-8390	Pole C3113B 10C Conflict Resolution	0	0%	13-Aug-25	
BRCPP-8400	Pole C3113B 10C Conflict Resolution	0	0%	13-Aug-25	
BRCPP-8410	Pole C3113B 11 Conflict Resolution	0	0%	13-Aug-25	
BRCPP-8420	Pole C3112C 393 Conflict Resolution	0	0%	13-Aug-25	
BRCPP-8430	Pole C3112C 393 Conflict Resolution	0	0%	13-Aug-25	
BRCPP-8440	Pole C3112C 841 Conflict Resolution	0	0%	13-Aug-25	
BRCPP-8450	Pole C3113B 12C Conflict Resolution	0	0%	13-Aug-25	
BRCPP-9330	Temporary Panel Removal and Replacement (Canyon Creek to Bridge)	10	0%	14-Aug-25	
Procurement					
Bridge Grinders					
BRCPP-4170	City Authorization - Bridge Grinder Supplier	0	0%	06-Dec-23*	
BRCPP-4220	Drafting - Bridge Grinder Supplier	25	0%	06-Dec-23	09-Jan-24
BRCPP-4260	Checking - Bridge Grinder Supplier	10	0%	10-Jan-24	23-Jan-24
BRCPP-4270	Scrub Bridge Grinder Shop Drawings by Supplier	5	0%	24-Jan-24	30-Jan-24
BRCPP-4290	Submittal - Milestone - Bridge Grinders	10	0%	31-Jan-24	13-Feb-24
BRCPP-4300	Materials Procurement - Bridge Grinder Supplier	20	0%	06-Mar-24	02-Apr-24
BRCPP-4350	Drawings to Plant - Milestone - Bridge Grinder Supplier	0	0%	06-Mar-24	
BRCPP-4360	Production (24) BT60 Bridge Grinders	40	0%	03-Apr-24	28-May-24
BRCPP-4580	Delivery - Boeckman Road Bridge Grinders	5	0%	29-May-24	04-Jun-24
Fragment - Resubmittal					
BRCPP-7360	Address EOR Comments	5	0%	14-Feb-24	20-Feb-24
BRCPP-7350	2nd Submittal - Milestone - Bridge Grinders	10	0%	21-Feb-24	05-Mar-24
MSE Walls					
BRCPP-7860	City Authorization - MSE Wall Supplier	0	0%	06-Dec-23*	
BRCPP-7870	Design - MSE Wall Supplier	0	0%	06-Dec-23	
BRCPP-7880	Drafting - MSE Wall Supplier	10	0%	06-Dec-23	19-Dec-23
BRCPP-7890	Checking - MSE Wall Supplier	5	0%	20-Dec-23	26-Dec-23
BRCPP-7900	Scrub Submittal - MSE Wall Supplier	5	0%	27-Dec-23	02-Jan-24
BRCPP-7910	Submittal - Milestone - MSE Walls	10	0%	03-Jan-24	16-Jan-24
BRCPP-7920	Drawings to Supplier - Milestone - MSE Wall Supplier	0	0%	07-Feb-24	
BRCPP-7930	Fabrication - MSE Walls	15	0%	07-Feb-24	27-Feb-24
BRCPP-7940	Delivery - MSE Walls	5	0%	28-Feb-24	05-Mar-24
Fragment - Resubmittal					
BRCPP-7380	Address EOR Comments	5	0%	17-Jan-24	23-Jan-24
BRCPP-7370	2nd Submittal - Milestone - Bridge Grinders	10	0%	24-Jan-24	06-Feb-24
Bridge Pile					
BRCPP-7950	City Authorization - Pile Supplier	0	0%	06-Dec-23*	
BRCPP-7960	Drafting - Pile Supplier	5	0%	06-Dec-23	12-Dec-23
BRCPP-7970	Submittal - Milestone - Bridge Pile	10	0%	13-Dec-23	26-Dec-23



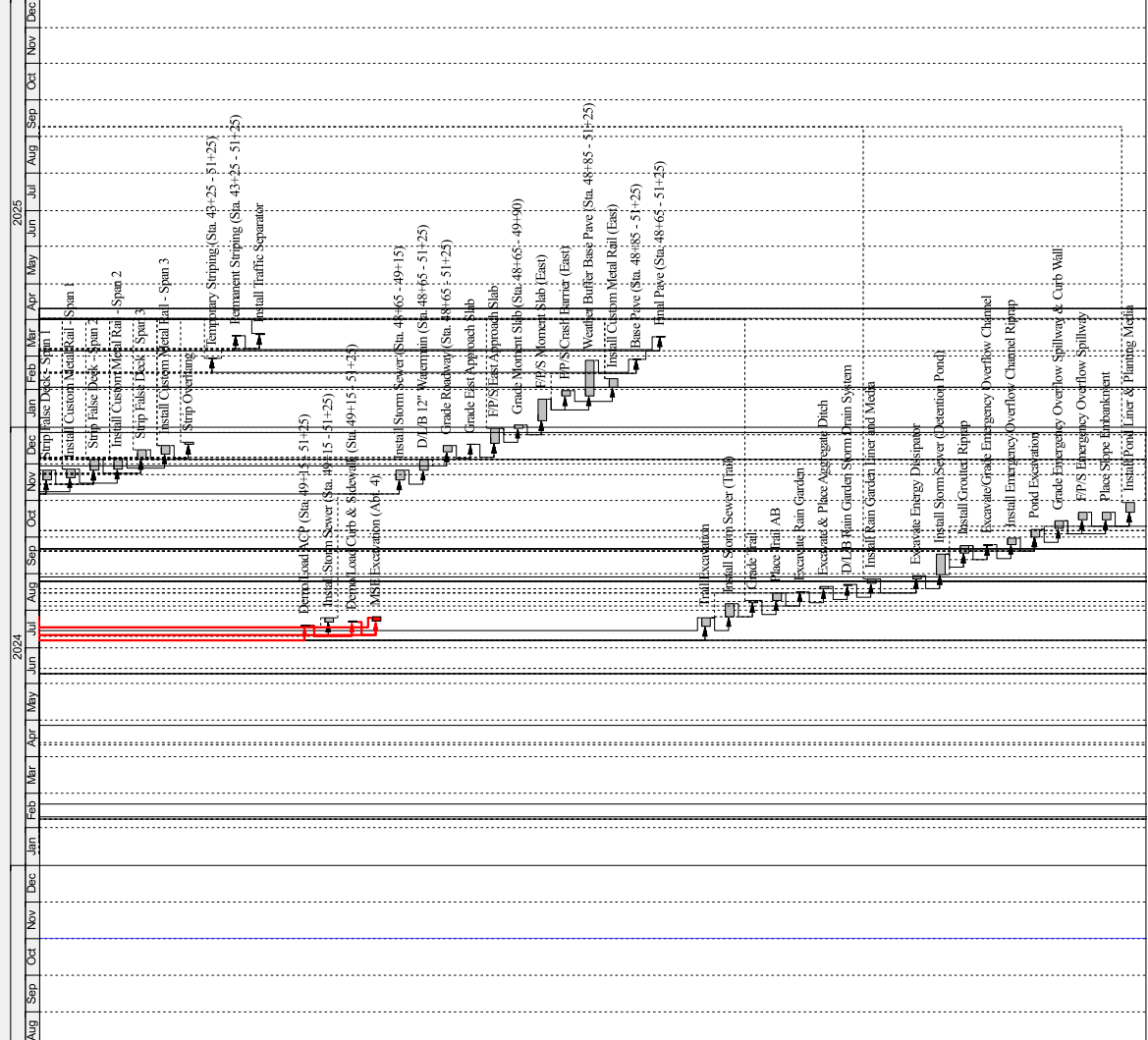
Data Date: 01-Nov-23

Activity ID	Activity Name	OD	% Complete	Start	Finish
BRCP-7980	Drawings to Supplier - Milestone - Bridge Pile	0	0%	27-Dec-23	06-Feb-24
BRCP-7990	Delivery - H-Pile	30	0%	27-Dec-23	06-Feb-24
BRCP-8000	Delivery - Pipe Pile	70	0%	27-Dec-23	02-Apr-24
Canyon Creek Intersection (Sta. 37+25 - 41+00)					
Phase 1					
BRCP-8560	Demo/Load Sidewalk & Curb	4	0%	22-Jan-24	25-Jan-24
BRCP-8640	Temporary Lane Pavement	2	0%	29-Jan-24	30-Jan-24
BRCP-9220	Demo/Load Sidewalk & Curb (Sta. 41+00 to 43+00)	6	0%	29-Jan-24	05-Feb-24
BRCP-8550	Demo/Load PCCP	4	0%	31-Jan-24	05-Feb-24
BRCP-8570	Install Storm Sewer	5	0%	06-Feb-24	13-Feb-24
BRCP-8720	Grate/Curb	2	0%	06-Feb-24	07-Feb-24
BRCP-8580	Install Irrigation Mainline & Appurtenances	2	0%	14-Feb-24	15-Feb-24
BRCP-8650	Install Electrical Mainline & Appurtenances	2	0%	16-Feb-24	19-Feb-24
BRCP-8690	Install Fire Hydrant	2	0%	20-Feb-24	21-Feb-24
BRCP-8590	Grate/Roadway	4	0%	22-Feb-24	28-Feb-24
BRCP-8600	FPS Curb	3	0%	29-Feb-24	04-Mar-24
BRCP-8610	FPS PCCP	10	0%	05-Mar-24	19-Mar-24
BRCP-8730	Grate/Sidewalk	3	0%	20-Mar-24	22-Mar-24
BRCP-8710	Cure PCCP	5	0%	20-Mar-24	26-Mar-24
BRCP-8630	Temporary Pedestrian Pavement	1	0%	25-Mar-24	25-Mar-24
BRCP-9560	Excavate/Grate Planter	1	0%	25-Mar-24	25-Mar-24
BRCP-8620	Temporary Intersection Pavement	1	0%	26-Mar-24	26-Mar-24
BRCP-9510	FPS Planter Curb	4	0%	26-Mar-24	29-Mar-24
BRCP-9520	FPS Sidewalk & Ramps	6	0%	01-Apr-24	08-Apr-24
BRCP-9570	Install Planter Media	3	0%	09-Apr-24	11-Apr-24
Phase 2					
BRCP-9210	Phase Shift (RAB 1 to 2)	2	0%	15-Apr-24	16-Apr-24
BRCP-8660	Demo/Load PCCP	4	0%	17-Apr-24	22-Apr-24
BRCP-8670	Demo/Load Sidewalk & Curb	1	0%	23-Apr-24	23-Apr-24
BRCP-8850	Demo/Load Temp ACP	1	0%	24-Apr-24	24-Apr-24
BRCP-8680	Install Storm Sewer	5	0%	25-Apr-24	02-May-24
BRCP-8700	Install Irrigation Mainline & Appurtenances	4	0%	03-May-24	08-May-24
BRCP-8740	Install Water Mainline & Appurtenances	7	0%	09-May-24	20-May-24
BRCP-8750	Install Fire Hydrant	2	0%	21-May-24	22-May-24
BRCP-9070	Install Electrical Mainline & Appurtenances	3	0%	23-May-24	28-May-24
BRCP-8760	Grate/Roadway	5	0%	29-May-24	04-Jun-24
BRCP-8770	Grate/Curb	2	0%	05-Jun-24	06-Jun-24
BRCP-8790	FPS Curb	4	0%	07-Jun-24	12-Jun-24
BRCP-8800	FPS PCCP	15	0%	13-Jun-24	08-Jul-24
BRCP-8780	Grate/Sidewalk & Ramps	4	0%	09-Jul-24	12-Jul-24
BRCP-9530	Cure PCCP	5	0%	09-Jul-24	15-Jul-24
BRCP-9580	Excavate/Grate Planter	2	0%	15-Jul-24	16-Jul-24
BRCP-9540	FPS Planter Curbs	5	0%	17-Jul-24	23-Jul-24
BRCP-8810	FPS Sidewalk & Ramps	10	0%	24-Jul-24	06-Aug-24
BRCP-8820	FPS Median	4	0%	07-Aug-24	12-Aug-24
BRCP-9590	Install Planter Media	5	0%	07-Aug-24	13-Aug-24
Phase 3					



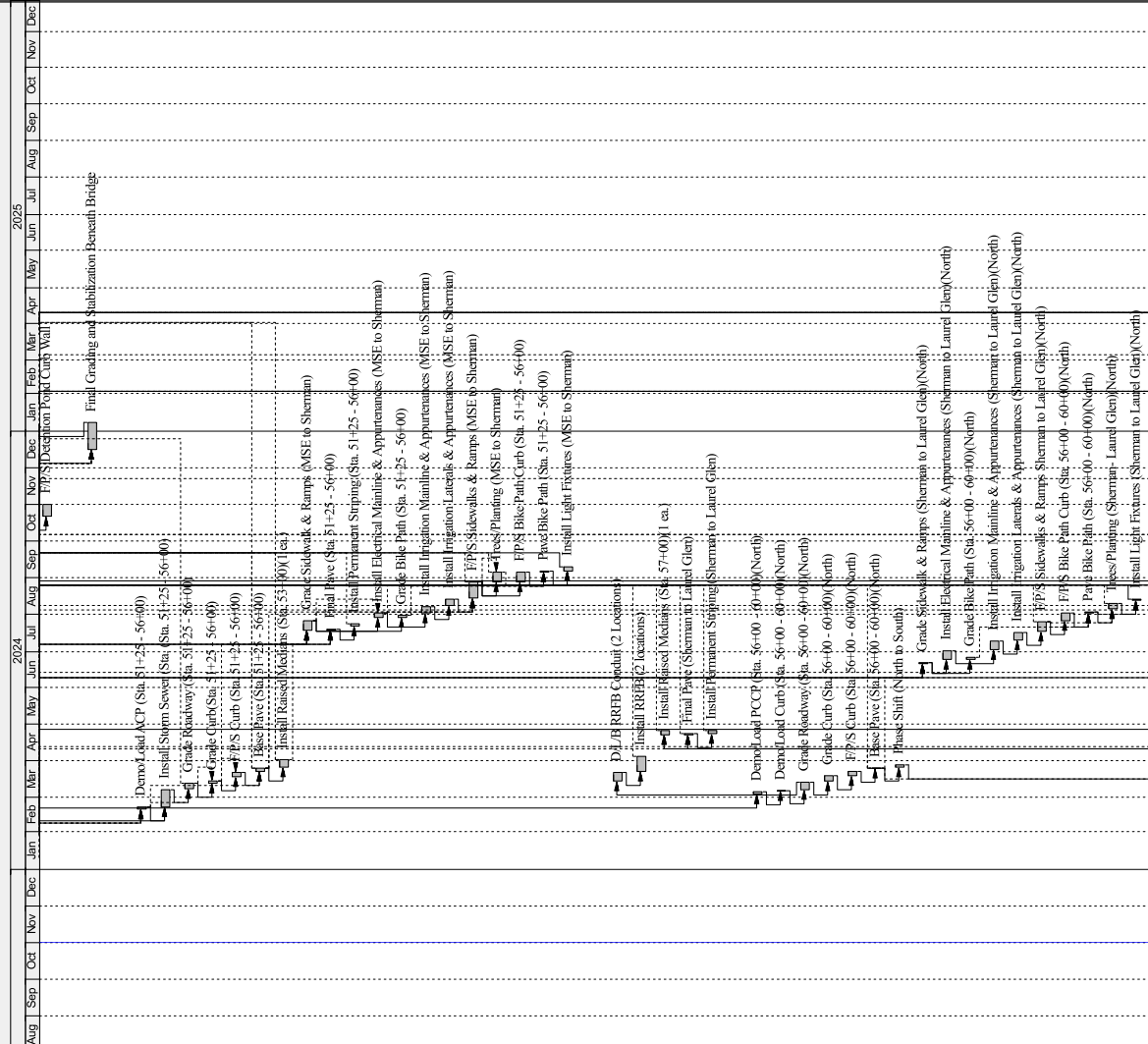
Data Date: 01-Nov-23

Activity ID	Activity Name	OD	% Complete	Start	Finish
BRCP-6610	Strip False Deck - Span 1	5	0%	18-Nov-24	25-Nov-24
BRCP-6660	Install Custom Metal Rail - Span 1	5	0%	19-Nov-24	26-Nov-24
BRCP-6630	Strip False Deck - Span 2	5	0%	26-Nov-24	04-Dec-24
BRCP-6670	Install Custom Metal Rail - Span 2	5	0%	27-Nov-24	05-Dec-24
BRCP-6650	Strip False Deck - Span 3	5	0%	05-Dec-24	12-Dec-24
BRCP-6690	Install Custom Metal Rail - Span 3	5	0%	09-Dec-24	16-Dec-24
BRCP-7560	Strip Overhang	3	0%	17-Dec-24	19-Dec-24
BRCP-9370	Temporary Striping (Sta. 43+25 - 51+25)	0	0%	27-Feb-25	27-Feb-25
BRCP-8220	Permanent Striping (Sta. 43+25 - 51+25)	1	0%	18-Mar-25	18-Mar-25
BRCP-8250	Install Traffic Separator	1	0%	19-Mar-25	19-Mar-25
Roadway Improvements (East)					
BRCP-8370	Demol Load ACP (Sta. 49+15 - 51+25)	2	0%	18-Jul-24	19-Jul-24
BRCP-8270	Install Storm Sewer (Sta. 49+15 - 51+25)	4	0%	22-Jul-24	25-Jul-24
BRCP-8380	Demol Load Curb & Sidewalk (Sta. 49+15 - 51+25)	1	0%	22-Jul-24	22-Jul-24
BRCP-8360	MSE Excavation (Abt. 4)	4	0%	23-Jul-24	26-Jul-24
BRCP-9260	Install Storm Sewer (Sta. 48+65 - 49+15)	5	0%	18-Nov-24	25-Nov-24
BRCP-8260	D/L/B 12" Waterman (Sta. 48+65 - 51+25)	5	0%	26-Nov-24	04-Dec-24
BRCP-8280	Grade Roadway (Sta. 48+65 - 51+25)	3	0%	11-Dec-24	16-Dec-24
BRCP-8290	Grade East Approach Slab	1	0%	17-Dec-24	17-Dec-24
BRCP-6780	PPS East Approach Slab	4	0%	18-Dec-24	30-Dec-24
BRCP-8300	Grade Moment Slab (Sta. 48+65 - 49+90)	2	0%	31-Dec-24	02-Jan-25
BRCP-7740	PPS Moment Slab (East)	12	0%	06-Jan-25	24-Jan-25
BRCP-7760	PPS Crash Barrier (East)	5	0%	27-Jan-25	31-Jan-25
BRCP-9390	Weather Buffer Base Pave (Sta. 48+85 - 51+25)	20	0%	27-Jan-25	25-Feb-25
BRCP-7780	Install Custom Metal Rail (East)	5	0%	03-Feb-25	10-Feb-25
BRCP-8310	Base Pave (Sta. 48+85 - 51+25)	1	0%	26-Feb-25	26-Feb-25
BRCP-8320	Final Pave (Sta. 48+65 - 51+25)	1	0%	17-Mar-25	17-Mar-25
Trail					
BRCP-6740	Trail Excavation	6	0%	18-Jul-24	25-Jul-24
BRCP-6810	Install Storm Sewer (Trail)	8	0%	26-Jul-24	06-Aug-24
BRCP-6860	Grade Trail	2	0%	07-Aug-24	08-Aug-24
BRCP-9750	Place Trail AB	5	0%	09-Aug-24	15-Aug-24
BRCP-7670	Excavate Rain Garden	1	0%	16-Aug-24	16-Aug-24
BRCP-7680	Excavate & Place Aggregate Ditch	2	0%	19-Aug-24	20-Aug-24
BRCP-7690	D/L/B Rain Garden Storm Drain System	2	0%	21-Aug-24	22-Aug-24
BRCP-7700	Install Rain Garden Liner and Media	2	0%	23-Aug-24	26-Aug-24
Detention Pond & Energy Dissipator					
BRCP-7710	Excavate Energy Dissipator	3	0%	27-Aug-24	29-Aug-24
BRCP-6750	Install Storm Sewer (Detention Pond)	10	0%	30-Aug-24	16-Sep-24
BRCP-7720	Install Grouted Riprap	5	0%	17-Sep-24	23-Sep-24
BRCP-9700	Excavate/Grade Emergency Overflow Channel	1	0%	24-Sep-24	24-Sep-24
BRCP-9710	Install Emergency Overflow Channel Riprap	3	0%	25-Sep-24	30-Sep-24
BRCP-6700	Pond Excavation	5	0%	01-Oct-24	07-Oct-24
BRCP-9720	Grade Emergency Overflow Spillway & Curb Wall	4	0%	08-Oct-24	14-Oct-24
BRCP-9730	PPS Emergency Overflow Spillway	5	0%	15-Oct-24	21-Oct-24
BRCP-9800	Place Slope Embankment	5	0%	15-Oct-24	21-Oct-24
BRCP-6840	Install Pond Liner & Planting Media	5	0%	22-Oct-24	29-Oct-24



Data Date: 01-Nov-23

Activity ID	Activity Name	OD	% Complete	Start	Finish
BRCP-9740	F/P/S Detention Pond Curb Wall	7	0%	22-Oct-24	31-Oct-24
Mass Excavation Scope					
BRCP-6250	Final Grading and Stabilization Beneath Bridge	10	0%	16-Dec-24	07-Jan-25
MSE to Sherman (Sta. 51+25 - 56+00)					
BRCP-6240	Demo Load ACP (Sta. 51+25 - 56+00)	2	0%	20-Feb-24	21-Feb-24
BRCP-6300	Install Storm Sewer (Sta. 51+25 - 56+00)	10	0%	22-Feb-24	07-Mar-24
BRCP-6770	Grade Roadway (Sta. 51+25 - 56+00)	3	0%	08-Mar-24	12-Mar-24
BRCP-6790	Grade Curb (Sta. 51+25 - 56+00)	2	0%	13-Mar-24	14-Mar-24
BRCP-6820	F/P/S Curb (Sta. 51+25 - 56+00)	4	0%	18-Mar-24	21-Mar-24
BRCP-6850	Base Pave (Sta. 51+25 - 56+00)	2	0%	22-Mar-24	25-Mar-24
BRCP-6890	Install Raised Medians (Sta. 53+00)(1 ea.)	5	0%	26-Mar-24	01-Apr-24
BRCP-6870	Grade Sidewalk & Ramps (MSE to Sherman)	7	0%	18-Jul-24	26-Jul-24
BRCP-7810	Final Pave (Sta. 51+25 - 56+00)	3	0%	18-Jul-24	19-Jul-24
BRCP-8180	Install Permanent Striping (Sta. 51+25 - 56+00)	2	0%	22-Jul-24	23-Jul-24
BRCP-6910	Install Electrical Mainline & Appurtenances (MSE to Sherman)	4	0%	29-Jul-24	01-Aug-24
BRCP-7080	Grade Bike Path (Sta. 51+25 - 56+00)	2	0%	29-Jul-24	30-Jul-24
BRCP-6960	Install Irrigation Mainline & Appurtenances (MSE to Sherman)	4	0%	02-Aug-24	07-Aug-24
BRCP-6970	Install Irrigation Laterals & Appurtenances (MSE to Sherman)	4	0%	08-Aug-24	13-Aug-24
BRCP-6980	F/P/S Sidewalks & Ramps (MSE to Sherman)	10	0%	14-Aug-24	27-Aug-24
BRCP-6990	Trees/Planting (MSE to Sherman)	5	0%	28-Aug-24	04-Sep-24
BRCP-9440	F/P/S Bike Path Curb (Sta. 51+25 - 56+00)	5	0%	28-Aug-24	04-Sep-24
BRCP-9380	Pave Bike Path (Sta. 51+25 - 56+00)	1	0%	05-Sep-24	05-Sep-24
BRCP-7000	Install Light Fixtures (MSE to Sherman)	2	0%	06-Sep-24	09-Sep-24
Sherman to Laurel Glen (Sta. 56+00 - 60+00)					
BRCP-4520	D/L/B RRRFB Conduit (2 Locations)	5	0%	14-Mar-24	21-Mar-24
BRCP-4610	Install RRRFB (2 locations)	10	0%	22-Mar-24	04-Apr-24
BRCP-4900	Install Raised Medians (Sta. 57+00)(1 ea.)	4	0%	22-Apr-24	25-Apr-24
BRCP-4930	Final Pave (Sherman to Laurel Glen)	2	0%	22-Apr-24	23-Apr-24
BRCP-4980	Install Permanent Striping (Sherman to Laurel Glen)	2	0%	23-Apr-24	25-Apr-24
North					
BRCP-4450	Demo Load PCCP (Sta. 56+00 - 60+00)(North)	2	0%	04-Mar-24	05-Mar-24
BRCP-4480	Demo Load Curb (Sta. 56+00 - 60+00)(North)	1	0%	06-Mar-24	06-Mar-24
BRCP-4500	Grade Roadway (Sta. 56+00 - 60+00)(North)	5	0%	07-Mar-24	13-Mar-24
BRCP-4510	Grade Curb (Sta. 56+00 - 60+00)(North)	2	0%	14-Mar-24	18-Mar-24
BRCP-4530	F/P/S Curb (Sta. 56+00 - 60+00)(North)	4	0%	19-Mar-24	22-Mar-24
BRCP-4560	Base Pave (Sta. 56+00 - 60+00)(North)	1	0%	25-Mar-24	25-Mar-24
BRCP-4590	Phase Shift (North to South)	2	0%	26-Mar-24	27-Mar-24
BRCP-4640	Grade Sidewalk & Ramps (Sherman to Laurel Glen)(North)	2	0%	20-Jun-24	21-Jun-24
BRCP-4650	Install Electrical Mainline & Appurtenances (Sherman to Laurel Glen)(North)	5	0%	24-Jun-24	01-Jul-24
BRCP-4890	Grade Bike Path (Sta. 56+00 - 60+00)(North)	2	0%	24-Jun-24	25-Jun-24
BRCP-4800	Install Irrigation Mainline & Appurtenances (Sherman to Laurel Glen)(North)	5	0%	10-Jul-24	16-Jul-24
BRCP-4860	F/P/S Sidewalks & Ramps Sherman to Laurel Glen)(North)	7	0%	17-Jul-24	25-Jul-24
BRCP-5640	Pave Bike Path Curb (Sta. 56+00 - 60+00)(North)	5	0%	26-Jul-24	02-Aug-24
BRCP-5520	Pave Bike Path (Sta. 56+00 - 60+00)(North)	1	0%	02-Aug-24	02-Aug-24
BRCP-4950	Trees/Planting (Sherman- Laurel Glen)(North)	5	0%	05-Aug-24	09-Aug-24
BRCP-5020	Install Light Fixtures (Sherman to Laurel Glen)(North)	2	0%	12-Aug-24	13-Aug-24





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**Boeckman Road Corridor Project
Exhibit B.7 – Permitting Plan**

GMP 3 – 90% Round-A-Bout, Bridge, Sewer, and East Road Improvements

Permits required for construction of GMP 3 will be coordinated and applied for by TSJV & KPFF. The City of Wilsonville will directly pay for all fees associated with permits required for GMP 3.



Boeckman Road Corridor Project Exhibit B.8 – Right of Way Acquisition Plan

GMP 3 – 90% Round-A-Bout, Bridge, Sewer, and East Road Improvements

All right-of-way, temporary construction easements, and permanent utility easements will be acquired by the City of Wilsonville. Tapani | Sundt and KPFF will coordinate with the City of Wilsonville on limits and timelines for required acquisitions. Established acquisition needs for GMP 3 are as follows:

The following Right of Way acquisition have been identified for construction of GMP 3:

- **Parcel 1** – 3 1 W 12DD 00300
 - City Council approval: February 23, 2023
 - Required for Construction: January 19, 2024
- **Parcel 9** – 3 1 W 12DC 04500
 - City Council approval: February 23, 2023
 - Required for Construction: January 19, 2024
- **Parcel 13** – 3 1 W 12D 03200
 - City Council approval: June 19, 2023
 - Required for Construction: January 19, 2024
- **Parcel 14** – 3 1 W 12 00501
 - City Council approval: June 19, 2023
 - Required for Construction: January 19, 2024
- **Parcel 15** – 3 1 W 13B 02501
 - City Council approval: June 19, 2023
 - Required for Construction: January 19, 2024
- **Parcel 16** – 3 1 W 13B 02401
 - City Council approval: June 19, 2023
 - Required for Construction: January 19, 2024
- **Parcel 18** – 3 1 W 13B 00301
 - City Council approval: June 19, 2023
 - Required for Construction: January 19, 2024
- **Parcel 19** – 3 1 W 13B 00200
 - City Council approval: April 17, 2023
 - Required for Construction: January 19, 2024
- **Parcel 23** – 3 1 W 13AB 15400
 - City Council approval: April 17, 2023
 - Required for Construction: February 9, 2024
- **Parcel 24** – 3 1 W 13AB 15300
 - City Council approval: April 17, 2023
 - Required for Construction: February 9, 2024
- **Parcel 31** – 3 1 W 12DD 00400
 - City Council approval: February 23, 2023

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- Required for Construction:

The following Temporary Construction Easements (TCE) have been identified for construction of GMP 3:

- **Parcel 1** – 3 1 W 12DD 00300
 - City Council approval: February 23, 2023
 - Required for Construction: January 19, 2024
- **Parcel 2** – 3 1 W 12DD 05900
 - City Council approval: February 23, 2023
 - Required for Construction: January 19, 2024
- **Parcel 3** – 3 1 W 12DD 05800
 - City Council approval: April 17, 2023
 - Required for Construction: January 19, 2024
- **Parcel 5** – 3 1 W 12DD 01600
 - City Council approval: April 17, 2023
 - Required for Construction: January 19, 2024
- **Parcel 6** – 3 1 W 12DD 01600
 - City Council approval: April 17, 2023
 - Required for Construction: January 19, 2024
- **Parcel 12** – 3 1 W 12D 03300
 - City Council approval: May 15, 2023
 - Required for Construction: January 19, 2024
- **Parcel 13** – 3 1 W 12D 03200
 - City Council approval: June 19, 2023
 - Required for Construction: January 19, 2024
- **Parcel 14** – 3 1 W 12 00501
 - City Council approval: June 19, 2023
 - Required for Construction: January 19, 2024
- **Parcel 16** – 3 1 W 13B 02401
 - City Council approval: June 19, 2023
 - Required for Construction: January 19, 2024
- **Parcel 18** – 3 1 W 13B 00301
 - City Council approval: June 19, 2023
 - Required for Construction: January 19, 2024
- **Parcel 19** – 3 1 W 13B 00200
 - City Council approval: April 17, 2023
 - Required for Construction: January 19, 2024
- **Parcel 23** – 3 1 W 13AB 15400
 - City Council approval: April 17, 2023
 - Required for Construction: February 9, 2024
- **Parcel 24** – 3 1 W 13AB 15300
 - City Council approval: April 17, 2023
 - Required for Construction: February 9, 2024

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- **Parcel 27** – 3 1 W 13AA 18701
 - City Council approval April 17, 2023
 - Required for Construction: January 19, 2024
- **Parcel 28** – 3 1 W 13AA 18700
 - City Council approval: April 17, 2023
 - Required for Construction: February 9, 2024

The following Permanent Utility Easements (PUE) have been identified for construction of GMP 3:

- **Parcel 1** – 3 1 W 12DD 00300
 - City Council approval: February 23, 2023
 - Required for Construction: January 19, 2024
- **Parcel 9** – 3 1 W 12DC 04500
 - City Council approval: February 23, 2023
 - Required for Construction: January 19, 2024
- **Parcel 12** – 3 1 W 12D 03300
 - City Council approval: May 15, 2023
 - Required for Construction: January 19, 2024
- **Parcel 13** – 3 1 W 12D 03200
 - City Council approval: June 19, 2023
 - Required for Construction: January 19, 2024
- **Parcel 14** – 3 1 W 12 00501
 - City Council approval: June 19, 2023
 - Required for Construction: January 19, 2024
- **Parcel 15** – 3 1 W 13B 02501
 - City Council approval: June 19, 2023
 - Required for Construction: January 19, 2024
- **Parcel 16** – 3 1 W 13B 02401
 - City Council approval: June 19, 2023
 - Required for Construction: January 19, 2024
- **Parcel 31** – 3 1 W 12DD 00400
 - City Council approval: February 23, 2023
 - Required for Construction: January 19, 2024



Exhibit C.1

Construction Proposal: Key Personnel

City of Wilsonville - Boeckman Road Corridor Project

GMP 3 – Round-A-Bout, Bridge, Sewer, and East Road Improvements

Key Personnel:

- Ken Kubacki – Construction Project Principal
- Ryan Silbernagel – Construction Project Manager
- Todd Honore – Construction Superintendent
- Briana De Kalb – Construction Project Engineer
- Josh Smith – Structure Superintendent

Subcontractors & Suppliers: See Exhibit C.5



Exhibit C.2

Construction Proposal:

Preliminary Construction Document List

City of Wilsonville - Boeckman Road Corridor Project

GMP 3 – 90% Round-A-Bout, Bridge, Sewer, and East Road Improvements

DRAWINGS – 90% GMP 3 Set (Round-A-Bout, Bridge, Sewer, and East Road Improvements) Plot Date: 07/30/2023

SHEET COUNT	Sheet Number	Sheet Title
1	A01	COVER SHEET
2	A02	SHEET INDEX
3	A03	ABBREVIATIONS AND LEGEND
4	A04	CONSTRUCTION NOTES
5	AB01	STRUCTURE TABLES, NOTES, AND CONTROL POINTS
6	AB02	EXISTING CONDITIONS PLAN
7	AB03	EXISTING CONDITIONS PLAN
8	AB04	EXISTING CONDITIONS PLAN
9	AB05	EXISTING CONDITIONS PLAN
10	AB06	EXISTING CONDITIONS PLAN
11	AB07	EXISTING CONDITIONS PLAN
12	AB08	EXISTING CONDITIONS PLAN
13	AB09	EXISTING CONDITIONS PLAN
14	AB10	EXISTING CONDITIONS PLAN
15	AB11	EXISTING CONDITIONS PLAN

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16	AB12	EXISTING CONDITIONS PLAN
17	AB13	EXISTING CONDITIONS PLAN
18	AB14	EXISTING CONDITIONS PLAN
19	AC01	HORIZONTAL CONTROL PLAN
20	AC02	HORIZONTAL CONTROL PLAN
21	AC03	HORIZONTAL CONTROL PLAN
22	AC04	HORIZONTAL CONTROL PLAN
23	AC05	VERTICAL CONTROL PLAN
24	AC06	VERTICAL CONTROL PLAN
25	AE01	DEMOLITION PLAN
26	AE02	DEMOLITION PLAN
27	AE03	DEMOLITION PLAN
28	AE04	DEMOLITION PLAN
29	AE05	DEMOLITION PLAN
30	AE06	DEMOLITION PLAN

31	AE07	DEMOLITION PLAN
32	AE08	DEMOLITION PLAN
33	AE09	DEMOLITION PLAN
34	AE10	DEMOLITION PLAN
35	AE11	DEMOLITION PLAN
36	AE12	DEMOLITION PLAN
37	AE13	DEMOLITION PLAN
38	AE14	DEMOLITION PLAN
39	AE15	DEMOLITION PLAN
40	AF01	TREE PROTECTION AND REMOVAL PLAN
41	AF02	TREE PROTECTION AND REMOVAL PLAN
42	AF03	TREE PROTECTION AND REMOVAL PLAN
43	AF04	TREE PROTECTION AND REMOVAL PLAN
44	AF05	TREE PROTECTION AND REMOVAL PLAN
45	AF06	TREE PROTECTION AND REMOVAL PLAN

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46	AF07	TREE PROTECTION AND REMOVAL PLAN
47	AF08	TREE PROTECTION AND REMOVAL PLAN
48	AF09	TREE PROTECTION AND REMOVAL PLAN
49	AF10	TREE PROTECTION AND REMOVAL PLAN
50	AF11	TREE PROTECTION AND REMOVAL PLAN
51	AF12	TREE PROTECTION AND REMOVAL PLAN
52	AF13	TREE PROTECTION AND REMOVAL PLAN
53	AF14	TREE PROTECTION AND REMOVAL PLAN
54	AF15	TREE PROTECTION AND REMOVAL PLAN
55	AF16	EXISTING TREE INVENTORY
56	AF17	EXISTING TREE INVENTORY
57	AF18	EXISTING TREE INVENTORY
58	AF19	TREE PROTECTION DETAILS AND NOTES
59	AG01	UTILITY RELOCATION PLAN
60	AG02	UTILITY RELOCATION PLAN

61	AG03	UTILITY RELOCATION PLAN
62	AG04	UTILITY RELOCATION PLAN
63	AG05	UTILITY RELOCATION PLAN
64	AG06	UTILITY RELOCATION PLAN
65	AG07	UTILITY RELOCATION PLAN
66	BA01	TYPICAL SECTIONS
67	BA02	TYPICAL SECTIONS
68	BA03	TYPICAL SECTIONS
69	BA04	TYPICAL SECTIONS
70	BA05	TYPICAL SECTIONS
71	BA06	TYPICAL SECTIONS
72	BA07	TYPICAL SECTIONS
73	BA08	TYPICAL SECTIONS
74	BA09	TYPICAL SECTIONS
75	BA10	TYPICAL SECTIONS

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76	BA11	TYPICAL SECTIONS
77	BA12	TYPICAL SECTIONS
78	BA13	TYPICAL SECTIONS
79	BA14	TYPICAL SECTIONS
80	BA15	TYPICAL SECTIONS
81	BB01	DETAILS
82	BB02	DETAILS
83	BB03	DETAILS
84	BB04	CONCRETE JOINTING
85	BB05	CONCRETE JOINTING
86	BB06	CONCRETE JOINTING
87	BB07	CONCRETE JOINTING
88	BB08	CONCRETE JOINTING DETAILS
89	BB09	ROUNDAABOUT GRADING
90	BB10	ROUNDAABOUT GRADING

91	BB11	ROUNDAABOUT GRADING
92	BB12	ROUNDAABOUT GRADING
93	BC01	DETAILED CURB RAMP GRADING
94	BC02	DETAILED CURB RAMP GRADING
95	BC03	DETAILED CURB RAMP GRADING
96	BC04	DETAILED CURB RAMP GRADING
97	BC05	DETAILED BIKE RAMP GRADING
98	BC06	DETAILED BIKE RAMP GRADING
99	BC07	DETAILED BIKE RAMP GRADING
100	BC08	DETAILED BIKE RAMP GRADING
101	BC09	CURB RAMP DETAILS
102	BC10	CURB RAMP DETAILS
103	BC11	CURB RAMP DETAILS
104	BC12	CURB RAMP DETAILS
105	BC13	CURB RAMP DETAILS

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106	BC14	CURB RAMP DETAILS
107	BD01	DRIVEWAY DETAILS
108	BD02	DRIVEWAY DETAILS
109	BD03	DRIVEWAY DETAILS
110	BD04	DRIVEWAY DETAILS
111	BD05	DRIVEWAY DETAILS
112	BD06	DRIVEWAY DETAILS
113	BD07	DRIVEWAY DETAILS
114	BD08	DRIVEWAY DETAILS
115	BD09	DRIVEWAY DETAILS
116	BD10	DRIVEWAY DETAILS
117	BD11	GRADING DETAILS
118	BD12	GRADING DETAILS
119	BD13	GRADING DETAILS
120	BD14	GRADING DETAILS

121	BD15	GRADING DETAILS
122	BE01	DRAINAGE DETAILS
123	BE02	DRAINAGE DETAILS
124	BE03	DRAINAGE DETAILS
125	BE04	DRAINAGE DETAILS
126	BE05	DRAINAGE DETAILS
127	BE06	DRAINAGE DETAILS
128	BE07	DRAINAGE DETAILS
129	BE08	TYPICAL STORM PLANTER DETAIL
130	BE09	TYPICAL STORM SWALE DETAIL
131	BE10	DRAINAGE DETAILS
132	BE11	DRAINAGE DETAILS
133	BE12	DRAINAGE DETAILS
134	BF01	UTILITY-DETAILS
135	BG01	MAINTENANCE ROAD SITE SECTIONS

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136	BG02	MAINTENANCE ROAD SITE SECTIONS
137	BG03	CREEK CHANNEL SITE SECTIONS
138	BG04	CREEK CHANNEL SITE SECTIONS
139	C01	CONSTRUCTION PLAN
140	C01B	PROFILE
141	C02	CONSTRUCTION PLAN
142	C02A	UTILITY PLAN
143	C02B	PROFILE
144	C02C	PROFILE - UTILITIES
145	C03	CONSTRUCTION PLAN
146	C03A	UTILITY PLAN
147	C03B	PROFILE
148	C04	CONSTRUCTION PLAN
149	C04A	UTILITY PLAN
150	C04B	PROFILE

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151	C05	CONSTRUCTION PLAN
152	C05A	UTILITY PLAN
153	C05B	PROFILE - STREET AND STORM
154	C05C	PROFILE - WATER AND SEWER
155	C06	CONSTRUCTION PLAN (BOECKMAN ROAD IMPROVEMENTS)
156	C06A	UTILITY PLAN
157	C06B	PROFILE - STREET AND STORM
158	C06C	PROFILE - WATER AND SEWER
159	C07	CONSTRUCTION PLAN (MAINTENANCE ROAD AND REGIONAL TRAIL)
160	C07A	UTILITY PLAN
161	C07B	PROFILE - STREET AND STORM
162	C07C	PROFILE - WATER AND SEWER
163	C07D	GRADING PLAN
164	C08	CONSTRUCTION PLAN (MAINTENANCE ROAD AND REGIONAL TRAIL)
165	C08A	UTILITY PLAN

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166	C08B	PROFILE - STREET AND STORM
167	C08D	GRADING PLAN
168	C09	CONSTRUCTION PLAN
169	C09A	UTILITY PLAN
170	C09B	PROFILE - STREET AND STORM
171	C09C	PROFILE - WATER AND SEWER
172	C09D	GRADING PLAN
173	C10	CONSTRUCTION PLAN
174	C10A	UTILITY PLAN
175	C10B	PROFILE - STREET AND STORM
176	C10C	PROFILE - WATER AND SEWER
177	C11	CONSTRUCTION PLAN
178	C11A	UTILITY PLAN
179	C11B	PROFILE - STREET AND STORM
180	C11C	PROFILE - WATER AND SEWER

181	C12	CONSTRUCTION PLAN
182	C12A	UTILITY PLAN
183	C12B	PROFILE - STREET AND STORM
184	C12C	PROFILE - WATER AND SEWER
185	C13	CONSTRUCTION PLAN
186	C13A	UTILITY PLAN
187	C13B	PROFILE - STREET AND STORM
188	C13C	PROFILE - WATER AND SEWER
189	C14	CONSTRUCTION PLAN
190	C14A	UTILITY PLAN
191	C14B	PROFILE - STREET AND STORM
192	C14C	PROFILE - WATER AND SEWER
193	C15	CONSTRUCTION PLAN
194	C15A	UTILITY PLAN
195	C15B	PROFILE - STREET AND STORM

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196	C15C	PROFILE - WATER AND SEWER
197	FA01	IRRIGATION PLAN
198	FA02	IRRIGATION PLAN
199	FA03	IRRIGATION PLAN
200	FA04	IRRIGATION PLAN
201	FA05	IRRIGATION PLAN
202	FA06	IRRIGATION PLAN
203	FA07	IRRIGATION PLAN
204	FA08	IRRIGATION PLAN
205	FA09	IRRIGATION PLAN
206	FA10	IRRIGATION PLAN
207	FA11	IRRIGATION PLAN
208	FA12	IRRIGATION PLAN
209	FA13	IRRIGATION PLAN
210	FA14	IRRIGATION PLAN

211	FA15	IRRIGATION PLAN
212	FA16	IRRIGATION LEGEND AND DETAILS
213	FA17	IRRIGATION DETAILS
214	FA18	IRRIGATION DETAILS
215	FA01A	PLANTING PLAN
216	FA02A	PLANTING PLAN
217	FA03A	PLANTING PLAN
218	FA04A	PLANTING PLAN
219	FA05A	PLANTING PLAN
220	FA06A	PLANTING PLAN
221	FA07A	PLANTING PLAN

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222	FA08A	PLANTING PLAN
223	FA09A	PLANTING PLAN
224	FA10A	PLANTING PLAN
225	FA11A	PLANTING PLAN
226	FA12A	PLANTING PLAN
227	FA13A	PLANTING PLAN
228	FA14A	PLANTING PLAN
229	FA15A	PLANTING PLAN
230	FA16A	PLANTING LEGENDS AND NOTES
231	FA17A	PLANTING LEGENDS AND NOTES
232	FA18A	PLANTING DETAILS
233	FA19A	PLANTING DETAILS
234	FA20A	PLANTING DETAILS
235	FA05B	MATERIALS PLAN
236	FA06B	MATERIALS PLAN
237	FA08B	MATERIALS PLAN

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238	FA09B	MATERIALS PLAN
239	FA10B	MATERIALS PLAN
240	FA11B	MATERIALS PLAN
241	FA12B	MATERIALS PLAN
242	FA16B	SITE DETAILS
243	FB01	EROSION AND SEDIMENT CONTROL COVER SHEET
244	FB02	EROSION AND SEDIMENT CONTROL GENERAL NOTES
245	FB03	EROSION AND SEDIMENT CONTROL PLAN
246	FB04	EROSION AND SEDIMENT CONTROL PLAN
247	FB05	EROSION AND SEDIMENT CONTROL PLAN
248	FB06	EROSION AND SEDIMENT CONTROL PLAN
249	FB07	EROSION AND SEDIMENT CONTROL SEDIMENTATION POND
250	FB08	EROSION AND SEDIMENT CONTROL DETAILS
251	FB09	EROSION AND SEDIMENT CONTROL DETAILS
252	EA01	DETOUR PLANS

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253	EA02	DETOUR PLANS
254	EB01	EAST CORRIDOR, STAGE 1
255	EB02	EAST CORRIDOR, STAGE 1
256	EB03	EAST CORRIDOR, STAGE 2
257	EB04	EAST CORRIDOR, STAGE 2
258	EB05	EAST CORRIDOR, STAGE 3
259	EB06	EAST CORRIDOR, STAGE 3
260	EB07	EAST CORRIDOR, STAGE 4
261	EB08	EAST CORRIDOR, STAGE 4
262	EB09	EAST CORRIDOR, STAGE 5
263	EB10	EAST CORRIDOR, STAGE 5
264	EB11	EAST CORRIDOR, STAGE 6
265	EB12	EAST CORRIDOR, STAGE 6
266	EB13	EAST CORRIDOR, STAGE 6
267	EB14	EAST CORRIDOR, STAGE 7

268	EB15	EAST CORRIDOR, STAGE 7
269	EB16	EAST CORRIDOR, STAGE 7
270	EB17	EAST CORRIDOR, STAGE 8
271	EB18	EAST CORRIDOR, STAGE 8
272	EC01	ROUNDAABOUT, STAGE 1
273	EC02	ROUNDAABOUT, STAGE 1
274	EC03	ROUNDAABOUT, STAGE 2
275	EC04	ROUNDAABOUT, STAGE 2
276	EC05	ROUNDAABOUT, STAGE 3
277	EC06	ROUNDAABOUT, STAGE 3
278	EC07	ROUNDAABOUT, STAGE 4
279	EC08	ROUNDAABOUT, STAGE 4
280	EC09	ROUNDAABOUT, STAGE 5
281	EC10	ROUNDAABOUT, STAGE 5
282	HF001	CREEK PLAN

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283	HF002	CREEK PROFILE AND SECTIONS
284	HF003	CREEK SECTIONS
285	HF004	LOG STRUCTURE DETAILS
286	HF005	CREEK DETAILS
287	HF006	STORMWATER DITCH DETAILS
288	HF007	TEMPORARY WATER MANAGEMENT AND EROSION CONTROL PLAN
289	HF008	NOTES
290	HF009	NOTES
291	J-001	PLAN AND ELEVATION

292	J-002	GENERAL NOTES
293	J-003	FOUNDATION DATA
294	J-004	FOUNDATION DATA
295	J-101	FOUNDATION PLAN
296	J-110	BENT 1 PLANS
297	J-111	BENT 1 ELEVATIONS
298	J-112	END BENT DETAILS
299	J-120	BENT 2 PLANS
300	J-121	BENT 2 ELEVATIONS
301	J-122	INTERMEDIATE BENT DETAILS
302	J-130	BENT 3 PLANS
303	J-131	BENT 3 ELEVATIONS
304	J-140	BENT 4 PLANS
305	J-141	BENT 4 ELEVATIONS
306	J-151	CUSTOM BRIDGE RAIL
307	J-152	LIGHTPOLE REINFORCING

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308	J-153	UTILITY BLOCKOUT DETAILS AT BENTS
309	J-200	DECK PLAN
310	J-201	MODIFIED BULB-T GIRDER DETAILS
311	J-202	PRESTRESSED GIRDER DETAILS
312	J-203	GIRDER SCHEDULE
313	J-204	DECK SIDEWALK DETAILS
314	J-205	BEARING PAD DETAILS
315	J-220	DECK REINFORCING PLAN
316	J-221	DIAPHRAGM DETAILS
317	J-222	UTILITY DETAILS
318	J-223	MOMENT SLEEP SLAB DETAILS
319	J-300	MSE WALL NOTES AND DESIGN REQUIREMENTS
320	J-301	MSE WALL PLAN AND SECTION
321	J-302	MSE WALL SECTIONS AT BENT 1
322	J-303	MSE WALL SECTION AT BENT 4
323	J-304	MSE WALL SECTIONS AT BENT 4
324	J-310	MSE WALL PLAN AT BENT 1
325	J-311	ELEVATION OF MSE WALL 1
326	J-312	ELEVATION OF MSE WALL 2
327	J-313	ELEVATION OF MSE WALL 3
328	J-340	MSE WALL PLAN AT BENT 4
329	J-341	ELEVATION OF MSE WALL 4
330	J-342	ELEVATION OF MSE WALL 5
331	J-343	ELEVATION OF MSE WALL 6
332	J-344	DETAILS
333	J-345	MSE WALL WITH LIGHTWEIGHT FILL
334	MA01	TRAFFIC SIGNAL LEGEND
335	MB01	FLASHING BEACON PLAN
336	MB02	FLASHING BEACON PLAN
337	MC01	RRFB DETAILS

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338	MC02	SCHOOL ZONE FLASHER DETAILS
339	PA01	ILLUMINATION LEGEND AND NOTES
340	PA02	ILLUMINATION LEGEND AND NOTES
341	PB01	ILLUMINATION PLAN
342	PB02	ILLUMINATION PLAN
343	PB03	ILLUMINATION PLAN
344	PB04	ILLUMINATION PLAN
345	PB05	ILLUMINATION PLAN
346	QA01	SIGNING & STRIPING LEGEND
347	QB01	SIGNING & STRIPING PLAN
348	QB02	SIGNING & STRIPING PLAN
349	QB03	SIGNING & STRIPING PLAN
350	QB04	SIGNING & STRIPING PLAN
351	QB05	SIGNING & STRIPING PLAN
352	QC01	SIGNING DETAILS

353	QC02	SIGNING DETAILS
354	QC03	SIGNING DETAILS
355	QC04	SIGNING DETAILS
356	QC05	SIGNING DETAILS
357	QC06	SIGNING DETAILS
358	QC07	SIGNING DETAILS
359	QC08	STRIPING DETAILS
360	QC09	STRIPING DETAILS
361	QC10	STRIPING DETAILS
362	QC11	STRIPING DETAILS
363	RA01	STANDARD DRAWING - CITY OF WILSONVILLE
364	RA02	STANDARD DRAWING - CITY OF WILSONVILLE

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365	RA03	STANDARD DRAWING - CITY OF WILSONVILLE
366	RA04	STANDARD DRAWING - CITY OF WILSONVILLE
367	RA05	STANDARD DRAWING - CITY OF WILSONVILLE
368	RA06	STANDARD DRAWING - CITY OF WILSONVILLE
369	RA07	STANDARD DRAWING - CITY OF WILSONVILLE
370	RA08	STANDARD DRAWING - CITY OF WILSONVILLE
371	RA09	STANDARD DRAWING - CITY OF WILSONVILLE
372	RA10	STANDARD DRAWING - CITY OF WILSONVILLE
373	RA11	STANDARD DRAWING - CITY OF WILSONVILLE
374	RA12	STANDARD DRAWING - CITY OF WILSONVILLE
375	RA13	STANDARD DRAWING - CITY OF WILSONVILLE
376	RA14	STANDARD DRAWING - CITY OF WILSONVILLE
377	RA15	STANDARD DRAWING - CITY OF WILSONVILLE
378	RA16	STANDARD DRAWING - CITY OF WILSONVILLE
379	RA17	STANDARD DRAWING - CITY OF WILSONVILLE
380	RB01	STANDARD DRAWING - ODOT

381	RB02	STANDARD DRAWING - ODOT
382	RB03	STANDARD DRAWING - ODOT
383	RB04	STANDARD DRAWING - ODOT
384	RB05	STANDARD DRAWING - ODOT
385	RB06	STANDARD DRAWING - ODOT

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SPECIAL PROVISIONS SECTION – 90% GMP 3 SET (Round-A-Bout, Bridge, Sewer, and East Road Improvements) Posted: 08/01/23

(MODIFICATIONS TO THE OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION, 2018)

Section 00110 – Organizations, Conventions, Abbreviations, and Definitions

Section 00120 – Bidding Requirements and Procedures

Section 00130 – Award and Execution of Contract

Section 00140 – Scope of Work

Section 00150 – Control of Work

Section 00160 – Source of Materials

Section 00165 – Quality of Materials

Section 00170 – Legal Relations and Responsibilities

Section 00180 – Prosecution and Progress

Section 00195 – Payment

Section 00210 – Mobilization

Section 00220 – Accommodations for Public Traffic

Section 00225 – Work Zone Traffic Control

Section 00240 – Temporary Drainage Facilities

Section 00242 – Temporary Water Line

Section 00245 – Temporary Water Management

Section 00280 – Erosion and Sediment Control

Section 00290 – Environmental Protection

Section 00305 – Construction Survey Work

Section 00310 – Removal of Structures and Obstructions

Section 00320 – Clearing and Grubbing

Section 00330 – Earthwork

Section 00335 – Blasting Methods and Protection of Excavation Backslopes

Section 00340 – Watering

Section 00350 – Geosynthetic Installation

Section 00360 – Drainage Blankets

Section 00390 – Riprap Protection

Section 00405 – Trench Excavation, Bedding, and Backfill

Section 00415 – Video Pipe Inspection

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- Section 00420 – Salvaging Pipe
- Section 00440 – Commercial Grade Concrete
- Section 00445 – Sanitary, Storm, Culvert, Siphon, and Irrigation Pipe
- Section 00470 – Manholes, Catch Basins, and Inlets
- Section 00490 – Work on Existing Sewers and Structures
- Section 00495 – Trench Resurfacing
- Section 00497 – Franchise Utilities
- Section 00510 – Structure Excavation and Backfill
- Section 00520 – Driven Piles
- Section 00530 – Steel Reinforcement for Concrete
- Section 00540 – Structural Concrete
- Section 00545 – Reinforced Concrete Bridge End Panels
- Section 00550 – Precast Prestressed Concrete Members
- Section 00582 – Bridge Bearings
- Section 00583 – Electrical Conduit On Structures
- Section 00587 – Bridge Rails
- Section 00589 – Utility Attachments On Structures
- Section 00594 – Preparing and Coating Metal Structures
- Section 00596A – Mechanically Stabilized Earth Retaining Walls
- Section 00620 – Cold Plane Pavement Removal
- Section 00641 – Aggregate Subbase, Base, and Shoulders
- Section 00730 – Emulsified Asphalt Tack Coat
- Section 00745 – Asphalt Concrete Pavement – Statistical Acceptance
- Section 00748 – Asphalt Concrete Pavement Repair
- Section 00749 – Miscellaneous Asphalt Concrete Structures
- Section 00756 – Plain Concrete Pavement
- Section 00759 – Miscellaneous Portland Cement Concrete Structures
- Section 00815 – Bollards
- Section 00820 – Concrete Barrier
- Section 00850 – Common Provisions For Pavement Markings
- Section 00855 – Pavement Markers
- Section 00856 – Surface Mounted Tubular Markers
- Section 00865 – Longitudinal Pavement Markings, Durable
- Section 00867 – Transverse Pavement Markings – Legends and Bars

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- Section 00868 – Colored Lane Markings
- Section 00902 – Crosswalk Closure Barricades
- Section 00905 – Removal and Reinstallation of Existing Signs
- Section 00930 – Metal Sign Supports
- Section 00940 – Signs
- Section 00950 – Removal of Electrical Systems
- Section 00960 – Common Provisions For Electrical Systems
- Section 00962 – Metal Illumination and Traffic Signal Supports
- Section 00970 – Highway Illumination
- Section 00990 – Traffic Signals
- Section 01015 – Vegetated Stormwater and Rain Garden Facilities
- Section 01030 – Seeding
- Section 01040 – Planting
- Section 01050 – Fences
- Section 01070 – Mailbox Supports
- Section 01091 – Waterway Enhancements
- Section 01095 – Site Furnishings
- Section 01120 – Irrigation Systems
- Section 01140 – Potable Water Pipe and Fittings
- Section 01150 - Potable Water Valves
- Section 01160 – Hydrants and Appurtenances
- Section 01170 – Potable Water Service Connections, 2-Inch and Smaller
- Section 02001 – Concrete
- Section 02040 – Chemical Admixtures
- Section 02045 – Synthetic Fiber Reinforcing for Concrete
- Section 02050 – Curing Materials
- Section 02410 – Concrete Pipe
- Section 02440 – Joint Materials
- Section 02450 – Manhole and Inlet Materials
- Section 02470 – Potable Water Pipe Materials
- Section 02475 – Potable Water Fitting Materials
- Section 02480 – Potable Water Valve Materials
- Section 02485 – Hydrant and Appurtenance Materials
- Section 02490 – Potable Water Service Connection Materials, 2-Inch and Smaller

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Section 02510 – Reinforcement

Section 02520 – Steel and Concrete Piles

Section 02530 – Structural Steel

Section 02560 – Fasteners

Section 02690 – PCC Aggregates

Section 02830 – Metal Handrail

Section 02910 – Sign Materials

Section 03020 – Erosion Materials



Exhibit C.3

Construction Proposal: Procurement Plan

City of Wilsonville - Boeckman Road Corridor Project

Round-A-Bout, Bridge, Sewer, and East Road Improvements

Criteria for Procurement Plan

- **Progressive Design-Build Agreement Section 14: Subcontracting**
- **Design-Build General Conditions Article 6: Design-Builders Responsibilities**
 - **Section 6.13: Concerning Subcontracting and Self-Performance**

Application of Criteria

For this GMP, the Design Builder intends to comply with Section 13 of the Progressive Design-Build Agreement and the Design-Build General Conditions Section 6.13 using a mixture of self-performed work and subcontracted work as shown in the Proposal for the project. The means of subcontracting the work will be determined as set forth in the General Conditions and the estimated value of work in compliance with General Conditions 6.13 A-E.

General Conditions 6.13:

6.13 Selection of sources of design services, labor, material, equipment, and services necessary to accomplish the Work is governed by this section. For the purposes of this section, "Subcontractor" also includes suppliers.

6.13.A:

The Design-Builder shall seek to develop Subcontractor interest in the Work and shall furnish to the City a list of potential qualified Subcontractors from whom bids may be requested. The City may identify additional potential qualified Subcontractors from whom the Design-Builder shall request bids.

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The subcontractor trades, including suppliers for this GMP are shown in Exhibit C.4 and include:

- Aggregates
- Asphalt Concrete Paving
- Asphaltic Plug Joints
- Bearing Pads
- Benches
- Bridge Rail
- Concrete Pavement Grooving/Texturing
- Concrete Pumping
- Concrete Ready-mix
- Concrete Reinforcing
- Concrete Washout
- Construction Survey
- Dump Sites
- Dynamic Pile Testing
- Electrical
- Erosion & Sediment Control
- Fences & Gates
- Flatwork
- FRP Bridge Pipe Materials
- Geosynthetics
- JUT Materials
- JUT Vaults
- Landscaping
- Lightweight Fill
- Manhole Channeling/Pipe & Manhole Flushing
- Masonry
- Operated Crane Services
- Pavement Milling and Pavement Cold Planing
- Pipe Materials
- Pipe Video Inspection
- Pre-bored Piles
- Precast Structures
- Quality Control
- Sawcutting
- Shoring Systems
- Shotcrete
- Signs
- Steel Casing Pipe
- Striping
- Tree Removal
- Trucking

Material supply for self-performed work is included in the cost for that work and will be provided by the Design-Builder.

Per Section 6.13.D.2 subcontracted or self-performed work valued at \$10,000 or less is exempt from the competitive selection process. The following work is expected to meet this requirement and subcontractors will be selected from the list in Exhibit C.5:

- Bearing Pads
- Benches
- Bypass Pumping
- Manhole Channeling/Pipe & Manhole Flushing
- Pavement Milling and Pavement Cold Planning
- Pipe Video Inspection

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Per Section 6.13.D.3 subcontracted work valued at less than \$100,000 but more than \$10,000 is exempted provided the Design Builder receives a minimum of three written quotations and awards the subcontract to a qualified Subcontractor at a fair and reasonable price. The City may waive the three-quotation minimum requirement after reviewing the Design Builder's good faith efforts to obtain them. The following subcontracted work is expected to meet this exemption and quotes will be requested from the subcontractors listed in Exhibit C.5. Prior to bidding to subcontractors, if the work is estimated to exceed \$100,000 it will be subcontracted in accordance with the process outlined in 6.13.E below.

- Asphaltic Plug Joints
- Concrete Pavement Grooving/Texturing
- Concrete Pumping
- Concrete Washout
- Construction Engineering
- Dynamic Pile Testing
- Erosion & Sediment Control
- Fences & Gates
- Geosynthetics
- Hot Tap/Live Tap
- JUT Vaults
- Masonry
- Pre-bored Piles
- Precast Structures
- Sawcutting
- Shotcrete
- Signs
- Steel Casing Pipe

Per Section 6.13.E work valued at over \$100,000 will be awarded based on the competitive or best value selection process.

- Aggregates
- Asphalt Concrete Paving
- Bridge Rail
- Concrete Ready-mix
- Concrete Reinforcing
- Dump Sites
- Electrical
- Flatwork
- FRP Bridge Pipe Materials
- JUT Materials
- Landscaping
- Lightweight Fill
- Operated Crane Services
- Pipe Materials
- Shoring Systems
- Striping
- Tree Removal
- Trucking

6.13.B:

The proposal must include an explanation as to why self-performance or exemption from the competitive selection process is in the City's best interest.

The Design Builder Proposes to self-perform flagging, traffic control set up and maintenance, erosion control, clearing and grubbing, removal of structures and obstructions, aggregate base, storm sewer, sanitary sewer, pile driving, and structural concrete as allowed in General conditions 6.13.B and C. Justification for the self-performed work will be more fully explained below. The Design Builder will fully respond to any questions or comments submitted by the City in regard to the non-competitive process and is fully insured to the extents required.

- *Special advantages or capabilities of the Design-Builder or Subcontractor to perform the Work:*

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- The Design Builder has the capability to perform both utility installation and structural concrete scopes. This provides efficiency and eliminates the need for sequencing and mobilization of multiple subcontractors for these scopes of work.
- Design Builder has an in-house TCS to develop traffic control plans and has the capability to provide Traffic Control and Flagging staff necessary.
- Survey subcontractor was selected in GMP 2 by Best Value method. The survey subcontractor selected had low price and high score through the best value process. To continue continuity across GMPs, the survey subcontractor was exempted from the competitive process with prior authorization from the City.
- The Quality Control Firm was selected in GMP 2 by competitive method. To continue continuity across GMPs, the Quality Control Firm was exempted from the competitive process with prior authorization from the City
- *Demonstration that the process is reasonable and fair:*
 - *Independently verified Guaranteed Maximum Price and risk reduction for the city:* The Design Builder requests that the City's Owner Representative provide an independent cost estimate for the work per 6.13.B. This will insulate the City from the risk of high subcontractor costs. Additionally, the Design Builder agrees to and supports open-book costing for all self-performed work on the project. All questions or comments submitted by the City in regards to this process will be fully responded to.
- The following scopes are requested to be performed by TSJV as self-performed work and are above \$10,000 in value. These scopes of work were evaluated against an Independent Cost Estimate:

○ Traffic Control	○ Joint Utility Trench
○ Structural Concrete	○ Planter and Swale Construction
○ Flagging	○ Storm Sewer Installation/Removal
○ Erosion Control	○ Waterline Removal and Relocation
○ Removals (Surfaces, Curbs, Retaining Walls, etc.)	
○ Excavation/Grading	
- The following scopes of work are requested to be performed by TSJV and are less than \$10,000 in value. Although exempt by section 6.13(D), because the value of work is less than \$10,000:
 - None

6.13.E:

General Conditions 6.13.E provides the requirement for the competitive selection process for subcontracting work. Requests for bids or proposals for competitively selected work was advertised in the *Portland Daily Journal of Commerce*. In addition to the PDJ advertisement, reference Exhibit C.5 for subcontractors specifically invited to propose.

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SUB-BIDS REQUESTED

Boeckman Road Corridor Project
Wilsonville, OR
Bid Due: 9/8/23 @ 1:00pm

Bid Package #3

Includes: Landscaping & Irrigation, AC Paving, Electrical & Street Lighting, Concrete Curb, Concrete Flatwork & PCCP Paving, Striping, Concrete Reinforcement Installation, Fencing, Metal Rail Fabrication, & Vibration Monitoring

Documents will be made available through Pipeline Suite. Please e-mail BoeckmanBids@sundt.com to request an invitation to bid.

Please submit questions via email to BoeckmanBids@sundt.com by 9/1/23.

See specific instructions in Bid Documents for submission

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7700 NE Parkway Dr. Ste 200
Vancouver, WA 98662
BoeckmanBids@sundt.com

Tapani|Sundt, a Joint Venture requests sub-bids from all interested firms including Minority & Women Owned, Emerging Small Business & Disadvantaged enterprises.

2532343 CCB # 240238

TSJV proposes to award subcontracts for contracts identified for best value to the subcontractors that provide the Best Value based off varying criteria specific to the scope of work.

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Exhibit C.4

GMP 3 - Procurement Method

Item	Estimated Value	Procurement Method
Aggregates	Greater than \$100,000	GMP 2 Contract Extension
Asphalt Concrete Paving	Greater than \$100,000	Best Value; Best combination of qualifications and price (Heavier on price vs. quals)
Asphaltic Plug Joints	Between \$10,000 and \$100,000	Selected from a minimum of three requested written quotations
Bearing Pads	Less than \$10,000	Selected from a minimum of three requested written quotations
Benches	Less than \$10,000	Selected from a minimum of three requested written quotations
Bridge Rail	Greater than \$100,000	Selected from a minimum of three requested written quotations
Concrete Pavement Grooving/Texturing	Between \$10,000 and \$100,000	Selected from a minimum of three requested written quotations
Concrete Pumping	Between \$10,000 and \$100,000	Selected from a minimum of three requested written quotations
Concrete Ready-mix	Greater than \$100,000	Selected from a minimum of three requested written quotations
Concrete Reinforcing	Greater than \$100,000	Selected from a minimum of three requested written quotations
Concrete Washout	Between \$10,000 and \$100,000	Selected from a minimum of three requested written quotations
Construction Survey	Greater than \$100,000	GMP 2 Contract Extension (Prior BV proposal for GMP 2, maintain contract to ensure Survey continuity)

Item	Estimated Value	Procurement Method
Dump Sites	Greater than \$100,000	Selected from a minimum of three requested written quotations
Dynamic Pile Testing	Between \$10,000 and \$100,000	Selected from a minimum of three requested written quotations
Electrical	Greater than \$100,000	Best Value; Best combination of qualifications and price
Erosion & Sediment Control	Between \$10,000 and \$100,000	GMP 2 Contract Extension
Fences & Gates	Between \$10,000 and \$100,000	Selected from a minimum of three requested written quotations
Flatwork	Greater than \$100,000	Best Value; Best combination of qualifications and price
FRP Bridge Pipe Materials	Greater than \$100,000	Selected from a minimum of three requested written quotations
Geosynthetics	Between \$10,000 and \$100,000	Selected from a minimum of three requested written quotations
JUT Materials	Greater than \$100,000	Selected from a minimum of three requested written quotations
JUT Vaults	Between \$10,000 and \$100,000	Selected from a minimum of three requested written quotations
Landscaping	Greater than \$100,000	Best Value; Best combination of qualifications and price
Lightweight Fill	Greater than \$100,000	Selected from a minimum of three requested written quotations
Manhole Channeling/Pipe & Manhole Flushing	Less than \$10,000	GMP 2 Contract Extension
Masonry	Between \$10,000 and \$100,000	GMP 2 Contract Extension

Item	Estimated Value	Procurement Method
Operated Crane Services	Greater than \$100,000	Selected from a minimum of three requested written quotations
Pavement Milling and Pavement Cold Planing	Less than \$10,000	Selected from a minimum of three requested written quotations
Pipe Materials	Greater than \$100,000	Selected from a minimum of three requested written quotations
Pipe Video Inspection	Less than \$10,000	Selected from a minimum of three requested written quotations
Pre-bored Piles	Between \$10,000 and \$100,000	Selected from a minimum of three requested written quotations
Precast Structures	Between \$10,000 and \$100,000	Selected from a minimum of three requested written quotations
Quality Control	Greater than \$100,000	GMP 2 Contract Extension (Prior BV proposal for GMP 2, maintain contract to ensure QC continuity)
Sawcutting	Between \$10,000 and \$100,000	GMP 2 Contract Extension
Shoring Systems	Greater than \$100,000	Selected from a minimum of three requested written quotations
Shotcrete	Between \$10,000 and \$100,000	Best Value; Best combination of qualifications and price (Heavier on quals and prior project experience to ensure quality product)
Signs	Between \$10,000 and \$100,000	Selected from a minimum of three requested written quotations
Steel Casing Pipe	Between \$10,000 and \$100,000	Selected from a minimum of three requested written quotations
Striping	Greater than \$100,000	Selected from a minimum of three requested written quotations
Tree Removal	Greater than \$100,000	Selected from a minimum of three requested written quotations

Item	Estimated Value	Procurement Method
Trucking	Greater than \$100,000	GMP 2 Contract Extension

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Exhibit C.5

GMP 3 - Subcontractor and Suppliers

Category	Subcontractor	Solicited	Bid Received	Notes
Aggregates	Heidelberg (CADMAN - Aggregate Oregon)	Y	Y	
	Calportland - Vancouver, WA	Y	N	
	Crabtree Crushing Inc	Y	N	
	Knife River - Aggregate - BEND	Y	N	
	Knife River - Aggregate	Y	Y	Selected Proposal
	Tigard Sand & Gravel	Y	Y	Low Bid
	WCP - Wilsonville Concrete Products, Inc.	Y	N	
	Western Rock Resources (Was Meisel Rock)	Y	N	
	Windsor Rock Products	Y	N	
Asphalt Concrete Paving	Brix Paving Northwest, Inc	Y	Y	
	Eastside Paving, Inc.	Y	N	
	Knife River - HMA paving	Y	N	
	Kodiak Pacific Construction Co.	Y	N	
	Lakeside Industries, Inc. - Portland	Y	N	
	North Santiam Paving	Y	N	
	Oregon Asphaltic Paving Inc	Y	N	
	Roy Houck Construction, LLC.	Y	N	
	S2 Contractors Inc	Y	Y	Best Value & Low Bid
	Settje Sons Paving LLC	Y	N	
Asphaltic Plug Joints	Jonnic Construction	Y	N	No Proposals Received
	Roger Langeliers Construction Co.	Y	N	
Bearing Pads	Bridge Bearings LLC	Y	Y	Low Bid
	D. S. Brown Co	Y	Y	
	Dynamic Rubber	Y	N	
Benches	Columbia Cascade Company	Y	N	Only Proposal
	Landscape Forms	Y	Y	
Bridge Rail	Bekos Welding, Inc.	Y	N	
	Mohawk Metal	Y	N	
	A2 Fabrication	Y	Y	
	Architectural Metal Works, Inc.	Y	N	
	Tapani Inc	Y	Y	Low Bid
Concrete Pavement Grooving/Texturing	American Concrete Company	Y	N	No Proposals Received
	Columbia Concrete Sawing Co.	Y	N	
	Cutting Edge Concrete Cutting, L.L.C.	Y	N	
	Penhall Company	Y	N	
Concrete Pumping	Brundage-Bone	Y	N	Only Proposal
	Ralph's Concrete Pumping Inc	Y	Y	
Concrete Ready-mix	Calportland - Concrete (Vancouver)	Y	N	
	Heidelberg Materials (AKA CADMAN)	Y	N	
	Knife River - Ready Mix Supply	Y	Y	
	WCP - Wilsonville Concrete Products, Inc.	Y	Y	Low Bid
	CADMAN - Concrete Supply South Portland	Y	N	
Concrete Reinforcing	Bar M Steel Commercial, Inc.	Y	N	Material Only
	Farwest Steel Reinforcing Comp	Y	Y	
	Harris Rebar	Y	N	
	Hercon Rebar and Post Tension	Y	Y	
	R2M2 Rebar And Stressing, Inc.	Y	Y	
	SI Contracting INC	Y	Y	

Category	Subcontractor	Solicited	Bid Received	Notes
	Willamette Valley Steel	Y	Y	Low Bid
	CMC	Y	Y	
Concrete Washout	Eco-Pan, Inc.	Y	Y	Only Proposal
Construction Survey	GeoMetrix Northwest	Y	Y	Only Proposal
Dump Sites	CADMAN - Aggregate Oregon	Y	Y	
	Calportland - Vancouver, WA	Y	Y	Moved forward from GMP 2
	Crabtree Crushing, INC	Y	N	
	Knife River - Aggregate - BEND	Y	Y	
	Newberg Dirt Dump	Y	N	
	Tigard Sand & Gravel	Y	Y	
	Western Rock Resources (Was Meisel Rock)	Y	N	
	Windsor Rock Products	Y	N	
Dynamic Pile Testing	GeoMechanics	Y	N	
	GRL Engineers INC	Y	Y	Only Proposal
	PSI - Professional Service Industries, Inc.	Y	N	
Electrical	Aaken Corporation Electrical Contractors	Y	Y	
	Affordable Electric Inc	Y	N	
	Lightworks Electric Company	Y	N	
	North Star Electrical Contractors	Y	Y	
	Prairie Electric, Inc. - Illumination/Signals	Y	Y	Best Value
	Tice Electric Co.	Y	N	
	Cascade Electrical, LLC	Y	N	
Erosion & Sediment Control	ACF West, Inc.	Y	Y	Low Bid
	GeoTK, LLC	Y	N	
	Hanes Geo Components	Y	N	
	Cascade Geosynthetics	Y	Y	
Fences & Gates	Able Fence Company, Inc.	Y	N	No Proposals Received
	Rent A Fence	Y	N	
	Statewide Rent-A-Fence Of Oregon, Inc.	Y	N	
	Superior Fence And Construction, Inc.	Y	N	
	Town & Country Fence - OR	Y	N	
	Town & Country Fence Co of Oregon	Y	N	
	United Rentals Trench Safety	Y	N	
	United Site Services	Y	N	
Willamette Fence Co., Inc.	Y	N		
Flatwork	Brown Contracting	Y	Y	
	D&D Concrete and Utilities	Y	Y	Best Value & Low Bid
	Gelco Construction, Inc.	Y	N	
	Heidelberg (CADMAN - Concrete Construction OR/WA)	Y	N	
	Hildebrand Concrete. Const. Inc.	Y	N	
	Johnnys Concrete Services LLC	Y	N	
	Roger Langeliers Construction Co.	Y	Y	
	Berrien Concrete LLC	Y	N	
	C&J Contracting LLC	Y	N	
	EM3 Concrete	Y	N	
	Lemus Construction	Y	N	
	Olson Concrete Construction	Y	N	
Petrichor Constructors, LLC	Y	N		
FRP Bridge Pipe Materials	Bridge Drain Systems	Y	Y	Only Proposal
Geosynthetics	ACF West, Inc.	Y	Y	Low Bid
	Cascade Geosynthetics	Y	Y	
	GeoTK, LLC	Y	N	
	Hanes Geo Components	Y	N	
JUT Materials	FERGUSON WATERWORKS	Y	Y	
	Western Waterworks Supply Company	Y	Y	Low Bid
JUT Vaults	Oldcastle Infrastructure/Precast	Y	Y	Only Proposal

Category	Subcontractor	Solicited	Bid Received	Notes
Landscaping	Affinity NW Landscaping	Y	N	
	Anderson's Erosion Control, Inc.	Y	N	
	Ash Creek Landscaping	Y	N	
	Cascadian Landscapers	Y	N	
	Dennis' Seven Dees Landscaping, Inc.	Y	N	
	Fox Erosion Control & Landscape, Inc.	Y	Y	Best Value & Low Bid
	North Fork Landscape, Inc.	Y	Y	
	Teufel Nursery Inc.	Y	N	
Lightweight Fill	Cascade Geosynthetics	Y	Y	Only Proposal
Manhole Channeling/Pipe & Manhole Flushing	Bergen Construction, Inc.	Y	Y	Only Proposal
Masonry	Tikka Masonry	Y	Y	Only Proposal
Operated Crane Services	Barnhart Crane	Y	Y	Low Bid
	Maxim Crane	Y	Y	
	Ness and Campbell Crane	Y	N	
	Ness And Campbell Cranes Inc	Y	N	
Pavement Milling and Pavement Cold Planing	Best Grinding, Inc.	Y	N	No Proposals Received
	Hatch Western Co, Inc.	Y	N	
	K&L Industries	Y	N	
	Kerr Contractors	Y	N	
	Kodiak Pacific Construction Co.	Y	N	
	Porter W. Yett Co. - Soil Stabilization&Pulverization Division	Y	N	
	Roy Houck Construction, LLC.	Y	N	
	TFT Construction, Inc.	Y	N	
Pipe Materials	Consolidated Supply Co. - Portland, OR	Y	Y	
	Core & Main	Y	N	
	FERGUSON WATERWORKS	Y	Y	Low Bid
	HD Fowler Company, Inc.	Y	Y	
	Western Waterworks Supply Company	Y	Y	
Pipe Video Inspection	Aims Companies	Y	N	
	Arck Construction Company	Y	Y	
	Pacific Int-r-tek	Y	Y	Low Bid
	Pipeline Video Inspection & Cleaning, LLC	Y	N	
	PPV, Inc./Bravo Environmental	Y	N	
	Pro-Vac	Y	N	
	River City Environmental	Y	N	
	The Iron Horse Group	Y	N	
Pre-bored Piles	Condon-Johnson & Associates	Y	N	
	Dewitt Construction	Y	Y	Low Bid
	Donald B Murphy Contractors, Inc.	Y	N	
	Keller North America, Inc	Y	N	
	Malcolm Drilling Co. Inc	Y	N	
	Michels Foundations	Y	N	
	Pacific Foundation, Inc.	Y	Y	
	PLI Systems, Inc.	Y	N	
Precast Structures	Cascade Concrete Products, Inc. - Scappoose	Y	Y	Low Bid
	Columbia Precast	Y	N	
	Oldcastle Infrastructure/Precast	Y	Y	
Quality Control	PSI - Professional Service Industries, Inc.	Y	Y	Only Proposal
Sawcutting	Brothers Concrete Cutting, Inc.	Y	Y	
Shoring Systems	DP Nicoli, Inc.	Y	N	
	SunState Equipment Co	Y	Y	Only Proposal
	United Rentals Trench Safety	Y	N	
Shotcrete	Andersen Construction	Y	Y	Best Value
	Keller North America, Inc	Y	N	
	PLI Systems, Inc.	Y	Y	

Category	Subcontractor	Solicited	Bid Received	Notes
	Superior Gunite	Y	Y	
Signs	4S Signs LLC	Y	N	
	Cartello Construction Inc	Y	N	
	Cascade Sign Services	Y	N	
	Coral Construction Company	Y	N	
	Coral Sales Company	Y	N	
	Egami Construction, Inc.	Y	Y	Low Bid
	Highway Specialties, LLC	Y	N	
	JBL Signs	Y	N	
	Knife River Farmington	Y	N	
	KT Contracting Co Inc	Y	Y	
	Northwest Traffic Control, Inc.	Y	N	
	Sign Wizards, Inc.	Y	N	
Traffic Safety Supply Co. Inc.	Y	N		
Steel Casing Pipe	Bridge Drain Systems	Y	Y	
	HD Fowler Company, Inc.	Y	Y	Low Bid
Striping	Apply-A-Line, Inc. - Pacific City, WA	Y	N	
	Eagle Striping Services, Inc.	Y	N	
	Hicks Striping & Curbing, Inc.	Y	Y	Low Bid
	Specialized Pavement Mkg., Inc	Y	Y	
	Stanley Patrick Striping Co	Y	N	
Tree Removal	Greenup Enterprises	Y	Y	Selected Proposal
	Mr Tree, Inc	Y	N	
	S&H Companies	Y	N	
	Savatree	Y	Y	Low bid but only partial scope received
Trucking	Cutter Construction Co Inc	Y	Y	Only Proposal

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Exhibit C.6

GMP 3 - Selected Subcontractor and Suppliers

Item	Estimated Value	Selected Subcontractor or Supplier
Aggregates	\$ 2,960,005.00	Knife River
Asphalt Concrete Paving	\$ 875,948.00	S2 Contractors
Bearing Pads	\$ 2,421.00	Bridge Rubber Bearings
Benches	\$ 5,390.00	Landscape Forms
Bridge Rail	\$ 275,250.00	Tapani
Concrete Pumping	\$ 48,455.00	Ralph's Concrete Pumping
Concrete Ready-mix	\$ 457,721.00	Wilsonville Concrete Products
Concrete Reinforcing	\$ 551,589.00	Willamette Valley Steel
Concrete Washout	\$ 50,465.00	EcoPan
Construction Survey	\$ 399,035.00	Geometrix
Dump Sites	\$ 420,682.00	CalPortland
Dynamic Pile Testing	\$ 68,600.00	GRL Engineers, Inc.

Item	Estimated Value	Selected Subcontractor or Supplier
Electrical	\$ 961,303.00	Prarie Electric
Erosion & Sediment Control	\$ 27,487.00	ACF West
Flatwork	\$ 1,774,905.00	D&D Construction
FRP Bridge Pipe Materials	\$ 162,781.00	Bridge Drain Systems
Geosynthetics	\$ 45,133.00	ACF West
JUT Materials	\$ 433,123.00	Western Water Works Supply Co.
JUT Vaults	\$ 85,965.00	Oldcastle Infrastructure/Precast
Landscaping	\$ 1,108,672.00	Fox Erosion Control
Lightweight Fill	\$ 225,244.00	Cascade Geosynthetics
Manhole Channeling & Pipe Flushing	\$ 19,790.00	Bergen Construction, Inc.
Masonry	\$ 25,142.00	Tikka Masonry, Inc.
Operated Crane Services	\$ 241,944.00	Barnhart Crane
Pipe Materials	\$ 287,473.00	HD Fowler
Pipe Video Inspection	\$ 10,781.00	Pacific Int-R-Tek
Pre-bored Piles	\$ 81,561.00	DeWitt Construction
Precast Structures	\$ 88,586.00	Cascade Precast

Item	Estimated Value	Selected Subcontractor or Supplier
Quality Control	\$ 233,447.00	Professional Services Industries, Inc.
Sawcutting	\$ 53,513.00	Brothers Concrete Sawcutting
Shoring Systems	\$ 256,131.00	Sunstate Equipment
Shotcrete	\$ 82,890.00	Anderson Construction
Signs	\$ 81,689.00	Egami Construction
Steel Casing Pipe	\$ 19,496.00	HD Fowler
Striping	\$ 110,118.00	Hicks Striping
Tree Removal	\$ 192,277.00	Greenup
Trucking	\$ 937,891.00	Cutter