



## City Council Regular Meeting - 24 Jun 2024

**SUBJECT/TITLE:** **Change Order No. 19 to CAG-22-163 with Pivetta Brother's Construction, Inc. for the Rainier Ave S Corridor Improvements - Phase 4 Project**

**RECOMMENDED ACTION:** Refer to Finance Committee

**DEPARTMENT:** Public Works Transportation Systems Division

**STAFF CONTACT:** Bob Hanson, Transportation Design Manager

**EXT.:** 7223

### FISCAL IMPACT SUMMARY:

The fiscal impact of Change Order No. 19 to CAG-22-163 with Pivetta Brother's Construction Inc. is \$4,077,180.50. The City will be reimbursed for the full amount by the following Franchise Utilities; PSE, Lumen, and Comcast for the construction of the Joint Utility Trench (JUT). The Rainier Ave S Corridor Improvement Project has a current cash balance of approximately \$20 million which will be spent down over the next 17 months. Per the agreements with the utilities for the JUT, the city will receive reimbursement with 90 days of requesting payment. Authorization is requested for additional budget appropriations for the Transportation Division in the amount of \$4,077,180.50, offset by additional revenues of the same amount and will be included in the Q3 budget adjustment.

### SUMMARY OF ACTION:

The Rainier Ave S - Phase 4 (S 3rd St to NW 3rd Pl) Project will extend previous corridor improvements from S 3rd St to 1,000 feet north of Airport Way (NW 3rd Pl). Project elements include extending a southbound BAT lane from S 2nd St to S 3rd St, pedestrian improvements with street scaping, ped actuated traffic signals (HAWK), transit facility upgrades, access management, and a segment of a regional ped/bike path trail (Lake Washington Loop Trail).

The plans show the proposed joint utility trench (JUT) depth in the profiles for the storm sewer, the water main, and the sanitary sewer. After potholing was completed, the proposed joint utility trench was found to be not constructible at the provided elevations due to the presence of numerous-existing and proposed utilities which needed to be avoided to establish separation and cover as required for the JUT. Therefore, the Contractor installed the joint utility trench as shallow as possible while still meeting contract requirements for separation and cover. This resulted in the Joint Utility Trench being much deeper than what was detailed in the profiles.

The additional depth of the joint utility trench resulted in a significant changed condition to the original contract. The increase in material quantities was not the only impact. Progress was slowed due to the numerous conflicts, ground water encountered, and flowing sand was encountered due to changing soil conditions and the presence of groundwater.

The additional depth also resulted in a significant change in the method of shoring. The bid was based on utilizing fin form boards and jacks suitable for an average depth of 5.5 feet as detailed in the plans. The actual average depth of about 10 feet necessitated the use of larger jacks, steel sheet, and build-a-box shoring which

was significantly more expensive. Furthermore, the revised depth caused significantly higher costs due to the presence of soils tainted with petroleum products which had to be disposed of appropriately and which could not be disposed of under the unit prices in the contract, all adding to the increased costs. The city's agreement with the utilities requires them to pay for the cost of building the JUT within this corridor, as well as any necessary changes associated with this construction.

**EXHIBITS:**

A. Change Order No. 19 to CAG-22-163

**STAFF RECOMMENDATION:**

Authorize the Mayor and City Clerk to execute Change Order No. 19 to CAG-22-163 with Pivetta Brother's Construction Inc. for the Rainier Ave S Corridor Improvements – Phase 4 project and authorize additional budget appropriations in the amount of \$4,077,180.50 with an offsetting revenue budget to reflect reimbursements from franchise utilities.




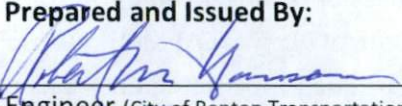
**Change Order No. 19**

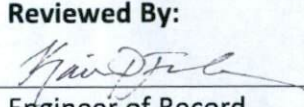
**Contract Title:** Rainier Avenue S Corridor Improvements - Phase 4  
**Contractor:** Pivetta Brothers Construction, Inc.  
**Contract No. :** CAG-22-163  
**Federal Aid No. :** STPUL-1615(005)

<input checked="" type="checkbox"/> <b>Ordered by Engineer</b>	<input checked="" type="checkbox"/> <b>Force Account</b>
<input type="checkbox"/> <b>Proposed by the Contractor (VECP)</b>	<input checked="" type="checkbox"/> <b>Bid Item</b>
<input type="checkbox"/> <b>Unilateral</b>	<input checked="" type="checkbox"/> <b>Bid Item Price Adjustment</b>
	<input checked="" type="checkbox"/> <b>Lump Sum</b>

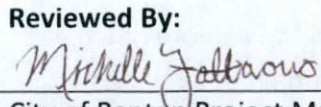
	Amount	Working Days
<b>Original Contract:</b>	\$28,284,172.90	500
<b>Current Contract:</b>	\$29,358,309.27	538
<b>Estimated Net Change This Order:</b>	\$4,077,180.50	116
<b>New Contract:</b>	\$33,435,489.77	654

**Reviewed By:**  
  
 Resident Engineer  
 Date 5/31/2024

**Prepared and Issued By:**  
  
 Engineer (City of Renton Transportation Design Manager)  
 Date 6/6/24

**Reviewed By:**  
  
 Engineer of Record  
 Date 6/6/2024

**Consent By:**  
 \_\_\_\_\_  
 Surety (Greater than 25% cost and/or 20% time increase)      Date

**Reviewed By:**  
  
 City of Renton Project Manager  
 Date 6/6/2024

**Endorsed By:**  
 \_\_\_\_\_  
 Contractor      Date

**Reviewed By:**  
 \_\_\_\_\_  
 City Attorney      Date

**Executed By:**  
 \_\_\_\_\_  
 City of Renton Public Works Administrator / Mayor      Date

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Change Order No. 19  
 Contract Title: Rainier Ave S Corridor Improvements – Phase 4  
 Contract No. CAG-22-163

**THE CONTRACT IS MODIFIED AS FOLLOWS:**

This Change Order is in eight parts:

- A. Excavation of Test Pits for Tainted Soils and ground Water for Joint Utility Trench
- B. Structure Excavation Class B Incl. Haul for Joint Utility Trench
- C. Shoring or Extra Excavation Class B for Joint Utility Trench
- D. Sand Bedding Including Haul for Joint Utility Trench
- E. Gravel Borrow Incl. Haul
- F. Disposal of Petroleum Tainted Materials Incl. Haul
- G. Dewatering for Joint Utility Trench
- H. Additional Time, Extended Overhead, and Profit

**A. Excavation of Test Pits for Tainted Soils for Joint Utility Trench**

**1. Description of Change:**

This part of the Change Order creates a new **Bid Item 19-D63 – Excavation of Test Pits for Tainted Soils for Joint Utility Trench**. Tainted soils are defined as soils containing levels of petroleum which do not exceed the Model Toxics Control Act (MTCA) Method A Soil Cleanup Levels for Unrestricted Land Uses but, due to the detected presence of petroleum contaminants, were not accepted by the owners of the Contractor’s normal disposal sites. The locations and depths of excavation are identified on the attached drawing.

The proposal is revised as follows:

**19-D63 – Excavation of Test Pits for Tainted Soils and Water for Joint Utility Trench, 8-35, @ \$40,000.00/EST = \$40,000.00 (Force Account)**

This bid item includes the excavation of a 2-foot by 4-foot pit to a depth of 8 feet then backfilling the pit with the excavated soil and compacting it to 85 percent maximum density. The surface of the disturbed area shall be smoothed and restored to its pre-existing condition.

**SP 2-05.3 Construction Requirements** The first paragraph is revised as follows:

*Contaminated materials may exist on this project. The site history, results indicate a potential for encountering petroleum hydrocarbons and petroleum-*

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*related constituents, petroleum fuels (gasoline, diesel, etc.) and other waste oil-related contaminants in soil. Material testing above MTCA Method A Soil Cleanup Levels for Unrestricted Land Uses will be evaluated for payment under this section. ~~All other excavated material will be under the general excavation pay item.~~*

**2. Measurement:**

**SP 8-35.4 Measurement** is supplemented as follows:

No specific unit of measurement shall apply to the force account item of “Excavation of Test Pits for Tainted Soils and Water for Joint Utility Trench”.

**3. Payment:**

**SP 8-35.5 Payment** is supplemented as follows:

“Excavation of Test Pits for Tainted Soils and Water for Joint Utility Trench”, by force account as provided in Section 1-09.6.

**4. Reason for Change:** The Contractor encountered tainted soils while excavating for the joint utility trench. Disposing of contaminated soils exceeding the MTCA Method A Soil Cleanup Levels for Unrestricted Land Uses is relatively more expensive than that for tainted soils. To minimize the quantity of soils disposed as contaminated soils and therefore save project funds, a series of five test pit sites was identified, excavated, and tested.

**5. Affects DBE Work:**  Yes  No

**6. Materials:** N/A

**7. Plans:** A plan sheet is attached showing the locations of the test pits.

**8. Equitable Adjustment:** This Change Order includes an equitable adjustment per Section 1-09.4 of the 2022 WSDOT/APWA Standard Specifications. The estimated increase is \$40,000.00.

**9. Extension of Time:** The additional Time for Completion including for the work for this entire Change Order is included in section H. of this Change Order.

**B. Structure Excavation Class B Incl. Haul for Joint Utility Trench**

**1. Description of Change:**

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This part of the Change Order deletes the quantity in existing **Bid Item D8 Structure Excavation Class B Incl. Haul for Joint Utility Trench** and creates new **Bid Item 19-D65 Structure Excavation Class B Incl. Haul for Joint Utility Trench** which addresses the increased excavation costs caused by numerous conflicts, increased quantities, groundwater encountered due to the additional depth, and flowing sand encountered due to changing soil conditions and the presence of groundwater.

The proposal is revised as follows:

**19-D8 – Structure Excavation Class B Incl. Haul for Joint Utility Trench, 2-09, -4,190 CY @ \$73.20/CY = -\$306,708.00 (Bid Item)**

**19-D65 – Structure Excavation Class B Incl. Haul for Joint Utility Trench, 8-35, 8,000 CY @ \$240.00/CY = \$1,920,000.00 (Bid Item)**

**Section 2-09.3(2) Classification of Structure Excavation** is supplemented as follows:

- 3. **Class B, Joint Utility Trench – Structure Excavation Class B Incl. Haul for Joint Utility Trench shall include all excavation for the joint utility trench including excavation outside of the neat lines of the structure excavation. Shoring, bedding, and backfilling shall be classified separately.**

**SP 8-35.3(1) Excavating and Backfilling** The first paragraph is revised as follows:  
*Excavations shall conform to the requirements of **Section 2-09 Structure Excavation** except as modified in **SP 8-35**. Excavations greater than 8 feet may be required. In areas of congested underground utilities, the Contractor shall make provisions within the project schedule for less than optimal production rates.*

**SP 8-35.3(1) Excavating and Backfilling** The fifth paragraph is revised as follows:  
~~*If the Engineer determines that the native material is unsuitable for use as backfill,*~~ *Gravel Borrow conforming to **Section 9-03.14(1) of the Standard Specifications** shall be used to backfill the trench.*

**2. Measurement:**

**SP 2-09.4 Measurement** paragraphs 1-4 are revised as follows:

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~~“Structure Excavation Class B Incl. Haul for Joint Utility Trench” shall be measured by the cubic yard. No measurement of material excavated beyond the limits indicated below will be made.~~

~~For underground utility conduits the limits shall be as follows:~~

~~Horizontal: Duct Bank Width + Minimum Separation + 6 inches~~

~~Lower: Three inches below the bottom of the lowest duct bank within the trench.~~

~~Upper: The top surface of the ground when the structure excavation work begins.~~

~~A duct bank shall be defined as an array of closely spaced conduits.~~

~~For vaults and handholes the limits shall be as follows:~~

~~Horizontal: 18 inches outside the perimeter of the vault or handhole.~~

~~Lower: 6 inches below the bottom of the vault~~

~~Upper: The top surface of the ground when the structure excavation begins.~~

**SP 8-35.4 Measurement** is supplemented as follows:

“Structure Excavation Class B Incl. Haul for Joint Utility Trench” will be measured by the cubic yard. Actual field measurements, including irregularities caused by material lost during excavation due to flowing sand, will be used to calculate excavation quantities.

**3. Payment:**

**SP 2-09.5 Payment** paragraphs 1 and 2 are revised as follows:

~~Payment will be made in accordance with Section 1-04.1 for the following Bid item included in the Proposal:~~

~~“Structure Excavation Class B Incl. Haul for Joint Utility Trench”, per cubic yard.~~

~~Also included is the cost to haul and dispose of surplus or unsuitable excavated materials.~~

**SP 8-35.5 Payment** is supplemented as follows:

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The previously paid quantity for “Structure Excavation Class B Incl. Haul for Joint Utility Trench” under Bid Item D8 will be removed and a new payment will be made under Bid Item D65 for “Structure Excavation Class B Incl. Haul for Joint Utility Trench”, per cubic yard.

- 4. **Reason for Change:** Excavation for the joint utility trench was designed to have an average depth of approximately 5.5 feet with trench depths exceeding 8 feet on occasion. Numerous conflicts were encountered at depths that resulted in an average trench depth of approximately 10 feet, resulting in a determination of a significant changed condition. The increase in quantities was not the only impact. Progress was slowed due to the numerous conflicts, ground water encountered due to the additional depth, and flowing sand encountered due to changing soil conditions and the presence of groundwater.
- 5. **Affects DBE Work:**     Yes     No
- 6. **Materials:** N/A.
- 7. **Plans:** N/A.
- 8. **Equitable Adjustment:** This Change Order includes an equitable adjustment per Section 1-09.4 of the 2022 WSDOT/APWA Standard Specifications. The new cost of \$1,920,000.00 less the previous cost of \$306,708.00 results in an increase estimated at \$1,613,292.00.
- 9. **Extension of Time:** The additional Time for Completion including for the work for this entire Change Order is included in section H. of this Change Order.

**C. Shoring or Extra Excavation Class B for Joint Utility Trench**

**1. Description of Change:**

This part of the Change Order deletes the **Bid Items 19-D9 and 19-D57, Shoring or Extra Excavation Class B for Joint Utility Trench** and creates a new **Bid Item 19-D67, Shoring or Extra Excavation Class B for Joint Utility Trench** which addresses the increased shoring costs caused by the increased depth and width of the join utility trench.

The proposal is revised as follows:

**19-D9 – Shoring or Extra Excavation Class B for Joint Utility Trench, 7-08, -1 LS @ \$133,560.00 = -\$133,560.00 (Lump Sum)**

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19-D57 – Shoring or Extra Excavation Class B for Joint Utility Trench, 7-08, -1 LS  
@ \$1,815.78 = -\$1,815.78 (Lump Sum)

19-D67 – Shoring or Extra Excavation Class B for Joint Utility Trench, 8-35, 1 LS  
@ \$1,484,000.00 = \$1,484,000.00 (Lump Sum)

2. Measurement:

Section 8-35.4 Measurement is supplemented as follows:

No specific unit of measurement shall apply to the lump sum item “Shoring or Extra Excavation Class B for Joint Utility Trench”.

3. Payment:

Section 8-35.5 Payment is supplemented as follows:

The previously paid quantity for “Shoring or Extra Excavation Class B for Joint Utility Trench” under Bid Items D9 and D57 will be removed and a new payment will be made under Bid Item D67 for “Shoring or Extra Excavation Class B for Joint Utility Trench”, per lump sum.

4. Reason for Change: The additional depth of the joint utility trench resulted in a significant change in the method of shoring required. The bid was based on fin form board and jack shoring suitable for an average trench depth of 5.5 feet as detailed in the plans. The actual average depth of about 10 feet necessitated the use of larger jacks, steel sheets, and build-a-box shoring. This resulted in higher rental costs and required more labor to install, maintain, and remove.

Changes were also made for consistency and clarity between the Schedule of Prices and Special Provisions. Section 2-09 of the Standard Specifications, referenced in Section 8-35 of the Special Provisions provides that measurement be made by the square foot while Section 7-08 of the Standard Specifications provides that Shoring be measured by Lump Sum. Section 7-08 is for water construction. Supplemented SP 8-35 clarifies that measurement and payment will be by lump sum.

5. Affects DBE Work:  Yes  No

6. Materials: N/A.

7. Plans: N/A.

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- 8. **Equitable Adjustment:** This Change Order includes an equitable adjustment per Section 1-09.4 of the 2022 WSDOT/APWA Standard Specifications, the estimated net increase is \$1,348,624.22. All extended overhead for this Change Order is included in Structure Excavation Class B Incl. Haul for Joint Utility Trench. The lump sum was deleted and replaced price was increased from \$135,375.78 to \$1,484,000.00.
- 9. **Extension of Time:** The additional Time for Completion including for the work for this entire Change Order is included in section H. of this Change Order.

**D. Sand Bedding Including Haul for Joint Utility Trench**

**1. Description of Change:**

The width of the trench was increased resulting in an increase in the quantity of sand bedding. The estimated amount was increased by 1,000 tons resulting in an increase of \$44,750.00. The unit price for the bid item remains at \$44.75 per ton.

The proposal is revised as follows:

**19-D13 – Sand Bedding Incl. Haul for Joint Utility Trench, 8-35, 1,000 TN @ \$44.75/Ton = \$44,750.00 (Bid Item)**

- 2. **Measurement:** As provided in the Contract.
- 3. **Payment:** As provided in the Contract.
- 4. **Reason for Change:** Flowing sand encountered during the excavation of the joint utility trench and reconfiguration of the conduit sections to fit the joint utility trench between existing utilities resulted in an increased width of the joint utility trench. Due to this increased width more sand bedding was required to construct the joint utility trench. The result was an estimated increase of 50% in quantity of this bid item.
- 5. **Affects DBE Work:**  Yes  No
- 6. **Materials:** As approved earlier in the submittal process.
- 7. **Plans:** N/A.
- 8. **Equitable Adjustment:** This Change Order included an equitable adjustment per Section 1-09.4 of the 2022 WSDOT/APWA Standard Specifications. The net

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increase is estimated at \$44,750.00. The increase in quantity was 50% and no renegotiation to change the unit price was sought by either party.

**9. Extension of Time:** The additional Time for Completion including for the work for this entire Change Order is included in section H. of this Change Order.

**E. Gravel Borrow Incl. Haul**

**1. Description of Change:**

The original bid documents provided for the use of native material removed from the trench to be used as backfill as may be approved by the Engineer. The decision was made to backfill only with imported gravel.

The proposal is revised as follows:

**19-D62 – Gravel Borrow Incl. Haul, 8-35, 4,500 TN @ \$24.20/Ton = \$108,900.00 (Bid Item)**

**2. Measurement:** As modified in Change Order #11.

**3. Payment:** As modified in Change Order #11.

**4. Reason for Change:** There was little material suitable for backfill and the selection of suitable native material was made difficult by the extent of groundwater.

**5. Affects DBE Work:**  Yes  No

**6. Materials:** As approved earlier in the submittal process.

**7. Plans:** N/A.

**8. Equitable Adjustment:** This Change Order included an equitable adjustment per Section 1-09.4 of the 2022 WSDOT/APWA Standard Specifications. The estimated quantity increase is 4,500 tons at \$24.20 per ton equaling an estimated increase of \$108,900.00. The increase in quantity was approximately 100% and no renegotiation to change the unit price was sought by either party. All extended overhead for this Change Order is included in Structure Excavation Class B Incl. Haul for Joint Utility Trench.

**9. Extension of Time:** The additional Time for Completion including for the work for this entire Change Order is included in section H. of this Change Order.

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**F. Disposal of Petroleum Tainted Materials Incl. Haul**

**1. Description of Change:**

This part of the Change Order creates a new **Bid Item 19-D64 Disposal of Petroleum Tainted Materials Incl. Haul**. This item provides for less costly disposal of Petroleum Tainted Materials. Petroleum Tainted Materials are defined as soils containing levels of petroleum which do not exceed the Model Toxics Control Act (MTCA) Method A Soil Cleanup Levels for Unrestricted Land Uses, but due to the detected presence of petroleum contaminants, were not accepted by the owners of the Contractor’s normal disposal sites.

The proposal is revised as follows:

**19-D64 – Disposal of Petroleum Tainted Materials Incl. Haul, 8-35, 750 Ton @ \$63.46/Ton = \$47,595.00 (Bid Item)**

**2. Measurement:**

**SP 8-35.4 Measurement is supplemented as follows:**

“Disposal of Petroleum Tainted Materials Incl. Haul” will be measured by the ton of petroleum tainted materials disposed at an approved facility as detailed on the dump tickets. Petroleum tainted materials are excavated materials with the presence of petroleum odor whose concentration is less than that defined as contaminated.

**3. Payment:**

**SP 8-35.5 Payment is supplemented as follows:**

“Disposal of Petroleum Tainted Materials Incl. Haul”, per ton.

**4. Reason for Change:** Petroleum Tainted Materials are differentiated from contaminated soils as safe to use like ordinary clean soil. However, disposal site owners are fearful of changing regulations and typically refuse soils with any level of reported contamination. The cost of disposal is significantly less and we were able to get a firm price for disposal at a known approved site and a fixed price for haul.

**5. Affects DBE Work:**  Yes  No

**6. Materials:** N/A.

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- 7. **Plans:** N/A.
- 8. **Equitable Adjustment:** This Change Order includes an equitable adjustment per Section 1-09.4 of the 2022 WSDOT/APWA Standard Specifications. The estimated increase is \$47,595.00.
- 9. **Extension of Time:** The additional Time for Completion including for the work for this entire Change Order is included in section H. of this Change Order.

**G. Dewatering for Joint Utility Trench**

**1. Description of Change:**

This part of the Change Order creates a new **Bid Item 19-D66, Dewatering for Joint Utility Trench**. This Change Order provides for payment to the Contractor for work to remove and mitigate unexpected amounts of ground water encountered during excavation of the joint utility trench. Negligible amounts of ground water were expected to be encountered in the joint utility trench excavation per the Geotechnical Report that was attached to the contract.

The proposal is revised as follows:

**19-D66 – Dewatering for Joint Utility Trench, 8-35, 1 EST @ \$500,000.00/EST = \$500,000.00 (Force Account)**

**2. Measurement:**

**SP 8-35.4 Measurement is supplemented as follows:**

No specific unit of measurement shall apply to the force account item of “Dewatering for Joint Utility Trench”.

**3. Payment:**

**SP 8-35.5 Payment is supplemented as follows:**

“Dewatering for Joint Utility Trench”, by force account as provided in Section 1-09.6.

- 4. **Reason for Change:** The Contractor encountered far more groundwater than expected during joint utility trench excavation. However, it was the change in depth of excavation of the joint utility trench that caused the significant portion of the increase in ground water. This was determined to be a significant changed condition, entitling the Contractor to compensation.

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- 5. **Affects DBE Work:**  Yes  No
- 6. **Materials:** N/A.
- 7. **Plans:** N/A.
- 8. **Equitable Adjustment:** This Change Order includes an equitable adjustment per Section 1-09.4 of the 2022 WSDOT/APWA Standard Specifications. The estimated increase is \$500,000.00.
- 9. **Extension of Time:** The additional Time for Completion including for the work for this entire Change Order is included in section H. of this Change Order.

**H. Additional Time, Extended Overhead, and Profit**

- 1. **Description of Change:** This part of the Change Order provides for extended overhead and profit for all the items described in sections A. through G. and the additional 116 working days needed to complete the work. In the cases of force account work, the overhead and profit are included in the markup. Where unit price bid items were added or deleted the overhead and profit is included in the unit prices. Extended overhead includes home office overhead and onsite overhead. The profit and extended overhead are included in the equitable adjustment in each of the items described in sections A. though G.
- 2. **Measurement:** N/A
- 3. **Payment:** N/A
- 4. **Reason for Change:** The work to excavate the joint utility trench to an average depth of approximately 10 feet instead of the average approximate depth of 5.5 feet, to investigate tainted soils, to dispose of tainted soils, to excavate and dispose of contaminated soils and ground water, to resolve utility conflicts, to remove and/or mitigate groundwater impacts, to install more comprehensive shoring, to bed with increased quantities of sand, and to backfill with increase quantities of gravel borrow delayed the Contractor by 116 working days per the updated CPM Schedule.
- 5. **Affects DBE Work:**  Yes  No
- 6. **Materials:** N/A.
- 7. **Plans:** N/A.

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- 8. Equitable Adjustment:** This Change Order includes an equitable adjustment per Section 1-09.4 of the 2022 WSDOT/APWA Standard Specifications. The calculated increase in extended overhead and profit for the quantities in the new Bid Item **19-D65, Structure Excavation Class B Incl. Haul for Joint Utility Trench**, the new Bid Item **19-D67, Shoring or Extra Excavation Class B for Joint Utility Trench**, and for the 116 added working days is \$1,089,657.29 (approximately \$9,400/added working day). This increase will be included in the payments for the quantities in the new Bid Item **19-D65, Structure Excavation Class B Incl. Haul for Joint Utility Trench** and the new Bid Item **19-D67, Shoring or Extra Excavation Class B for Joint Utility Trench**.
- 9. Extension of Time:** This Change Order includes an extension of time of 116 working days to account for the schedule impacts caused by the additional work described in items A. through G. of this Change Order. The new unit prices that were negotiated for Bid Item **19-D65, Structure Excavation Class B Incl. Haul for Joint Utility Trench** and Bid Item **19-D67, Shoring or Extra Excavation Class B for Joint Utility Trench** include the time for crew labor and equipment and the additional costs for field and home office overhead for the 116 added working days. Home office overhead was included because the original unit prices for these bid items included 8% home office overhead. The replacement unit price, to maintain consistency, must also contain home office overhead costs. Extended overhead and profit for the new Bid Item **19-D65, Structure Excavation Class B Incl. Haul for Joint Utility Trench**, the new Bid Item **19-D67, Shoring or Extra Excavation Class B for Joint Utility Trench**, and for the 116 added working days was calculated at \$1,089,657.29.

**Sections 1-04.4 and 1-04.5 of the 2022 WSDOT/APWA Standard Specifications shall govern this Change Order. The Work of the referenced Contract is modified to include the changes detailed herein. The payment provided for herein shall constitute the complete and final settlement for all costs of labor, equipment, materials, overhead, profit, permit fees, and all other claims that may be made by the Contractor as a result of this change.**

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**To be attached to Change Order:**

- 1-Field Directive/Request for Information Response**
- 2-Estimated Change Order Cost**
- 3-Plans**
- 4-Change Order Quotation**
- 5-Project Labor List**
- 6-Force Account Equipment Rate Request (DOT Form 422-010 EF)**
- 7-Equitable Adjustment Determination**
- 8-Additional Working Days Calculation**

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Change Order No. 19

Contract Title: Rainier Ave S Corridor Improvements – Phase 4

Contract No. CAG-22-163



**Change Order Cost (Equitable Adjustment)**

**Change Order No. 19**

**Project Name:** Rainier Ave S Corridor Improvements - Phase 4  
**Contractor:** Pivetta Brothers Construction, Inc.  
**Contract No:** CAG-22-163  
**Federal Aid No:** STPUL-1615(005)  
**Construction Manager:** Pertteet

**By:** Jordan Howe  
**Date:** 5/31/2024

Item No.	Description	Quantity	Unit	Unit Price	Cost
<b>Independent Estimate</b>					
19-D63	Labor - Pivetta (Operator)	40	Hours	\$ 92.00	\$3,680.00
19-D63	Labor - Pivetta (Operator)	40	Hours	\$ 92.00	\$3,680.00
19-D63	Labor - Pivetta (Operator)	40	Hours	\$ 92.00	\$3,680.00
19-D63	Labor - Pivetta (Laborer)	40	Hours	\$ 75.00	\$3,000.00
19-D63	Labor - Pivetta (Foreman)	40	Hours	\$ 96.00	\$3,840.00
19-D63	Labor Markup	\$17,880.00	Cents/Dollar	\$ 0.31	\$5,542.80
19-D63	Equipment - Pivetta (Excavator)	40	Hours	\$ 111.00	\$4,440.00
19-D63	Equipment - Pivetta (Excavator)	40	Hours	\$ 85.00	\$3,400.00
19-D63	Equipment - Pivetta (Loader)	40	Hours	\$ 85.00	\$3,400.00
19-D63	Equipment - Pivetta (Dump Truck)	40	Hours	\$ 80.00	\$3,200.00
19-D63	Equipment - Pivetta (Pickup Truck)	40	Hours	\$ 25.00	\$1,000.00
19-D63	Equipment - Pivetta (Pickup Truck)	40	Hours	\$ 25.00	\$1,000.00
19-D63	Equipment Markup	\$16,440.00	Cents/Dollar	\$ 0.21	\$3,452.40
19-D63				<b>CALCULATED TOTAL:</b>	\$43,315.20
19-D63				<b>ESTIMATED TOTAL:</b>	\$40,000.00
19-D64	Labor - Gary Reed Trucking (Operator)	124	Hours	\$ 85.00	\$10,540.00
19-D64	Labor Markup	\$10,540.00	Cents/Dollar	\$ 0.31	\$3,267.40
19-D64	Equipment - Gary Reed Trucking (Dump Truck)	124	Hours	\$ 80.00	\$9,920.00
19-D64	Equipment Markup	\$9,920.00	Cents/Dollar	\$ 0.21	\$2,083.20
19-D64	Services - Gary Reed Trucking (Dump Fees)	744	Tons	\$ 35.00	\$26,040.00
19-D64	Services Markup	\$26,040.00	Cents/Dollar	\$ 0.21	\$5,468.40
19-D64	Subcontractor Markup	\$57,319.00	Cents/Dollar	\$ 0.12	\$6,878.28
19-D64				<b>CALCULATED TOTAL:</b>	\$64,197.28
19-D64				<b>ESTIMATED TOTAL:</b>	\$47,595.00
19-D65	Labor - Pivetta (Operator)	1412	Hours	\$ 92.00	\$129,940.80
19-D65	Labor - Pivetta (Operator)	1412	Hours	\$ 92.00	\$129,940.80
19-D65	Labor - Pivetta (Operator)	1412	Hours	\$ 92.00	\$129,940.80
19-D65	Labor - Pivetta (Laborer)	1412	Hours	\$ 75.00	\$105,930.00
19-D65	Labor - Pivetta (Foreman)	1412	Hours	\$ 96.00	\$135,590.40
19-D65	Labor - Pivetta (Truck Driver)	1176	Hours	\$ 92.00	\$108,235.29
19-D65	Labor Markup	\$739,578.09	Cents/Dollar	\$ 0.31	\$229,269.21
19-D65	Equipment - Pivetta (Excavator)	1412	Hours	\$ 111.00	\$156,776.40
19-D65	Equipment - Pivetta (Excavator)	1198	Hours	\$ 85.00	\$101,864.00
19-D65	Equipment - Pivetta (Loader)	1412	Hours	\$ 85.00	\$120,054.00
19-D65	Equipment - Pivetta (Dump Truck)	1412	Hours	\$ 80.00	\$112,992.00
19-D65	Equipment - Pivetta (Pickup Truck)	1412	Hours	\$ 25.00	\$35,310.00
19-D65	Equipment - Pivetta (Pickup Truck)	1412	Hours	\$ 25.00	\$35,310.00
19-D65	Equipment - Pivetta (Dump Truck)	1176	Hours	\$ 105.00	\$123,529.41
19-D65	Equipment Markup	\$685,835.81	Cents/Dollar	\$ 0.21	\$144,025.52
19-D65	Services - Pivetta (Dump Fees)	471	Loads	\$ 370.00	\$174,117.65
19-D65	Services Markup	\$174,117.65	Cents/Dollar	\$ 0.21	\$36,564.71
19-D65				<b>CALCULATED TOTAL:</b>	\$2,009,390.99
19-D65				<b>ESTIMATED TOTAL:</b>	\$1,920,000.00
19-D66	Labor - Pivetta (Operator)	514	Hours	\$ 92.00	\$47,251.20
19-D66	Labor - Pivetta (Operator)	514	Hours	\$ 92.00	\$47,251.20
19-D66	Labor - Pivetta (Operator)	514	Hours	\$ 92.00	\$47,251.20
19-D66	Labor - Pivetta (Laborer)	514	Hours	\$ 75.00	\$38,520.00
19-D66	Labor - Pivetta (Foreman)	514	Hours	\$ 96.00	\$49,305.60
19-D66	Labor Markup	\$229,579.20	Cents/Dollar	\$ 0.31	\$71,169.55
19-D66	Equipment - Pivetta (Excavator)	514	Hours	\$ 111.00	\$57,009.60
19-D66	Equipment - Pivetta (Excavator)	514	Hours	\$ 85.00	\$43,656.00
19-D66	Equipment - Pivetta (Loader)	514	Hours	\$ 85.00	\$43,656.00
19-D66	Equipment - Pivetta (Dump Truck)	514	Hours	\$ 80.00	\$41,088.00
19-D66	Equipment - Pivetta (Pickup Truck)	514	Hours	\$ 25.00	\$12,840.00
19-D66	Equipment - Pivetta (Pickup Truck)	514	Hours	\$ 25.00	\$12,840.00
19-D66	Equipment Markup	\$211,089.60	Cents/Dollar	\$ 0.21	\$44,328.82

**Change Order Cost (Equitable Adjustment)**

**Change Order No. 19**

**Project Name:** Rainier Ave S Corridor Improvements - Phase 4  
**Contractor:** Pivetta Brothers Construction, Inc.  
**Contract No:** CAG-22-163  
**Federal Aid No:** STPUL-1615(005)  
**Construction Manager:** Perteeet

**By:** Jordan Howe  
**Date:** 5/31/2024

Item No.	Description	Quantity	Unit	Unit Price	Cost
19-D66				CALCULATED TOTAL:	\$556,167.17
19-D66				ESTIMATED TOTAL:	\$500,000.00
19-D67	Labor - Pivetta (Operator)	642	Hours	\$ 92.00	\$59,064.00
19-D67	Labor - Pivetta (Operator)	642	Hours	\$ 92.00	\$59,064.00
19-D67	Labor - Pivetta (Operator)	642	Hours	\$ 92.00	\$59,064.00
19-D67	Labor - Pivetta (Laborer)	642	Hours	\$ 75.00	\$48,150.00
19-D67	Labor - Pivetta (Foreman)	642	Hours	\$ 96.00	\$61,632.00
19-D67	Labor Markup	\$286,974.00	Cents/Dollar	\$ 0.31	\$88,961.94
19-D67	Equipment - Pivetta (Excavator)	642	Hours	\$ 111.00	\$71,262.00
19-D67	Equipment - Pivetta (Excavator)	642	Hours	\$ 85.00	\$54,570.00
19-D67	Equipment - Pivetta (Loader)	642	Hours	\$ 85.00	\$54,570.00
19-D67	Equipment - Pivetta (Dump Truck)	642	Hours	\$ 80.00	\$51,360.00
19-D67	Equipment - Pivetta (Pickup Truck)	642	Hours	\$ 25.00	\$16,050.00
19-D67	Equipment - Pivetta (Pickup Truck)	642	Hours	\$ 25.00	\$16,050.00
19-D67	Equipment Markup	\$263,862.00	Cents/Dollar	\$ 0.21	\$55,411.02
19-D67	Materials - Pivetta (Fin Form)	50	EA	\$ 197.66	\$9,883.13
19-D67	Materials Markup	\$9,883.13	Cents/Dollar	\$ 0.21	\$2,075.46
19-D67	Service - Pivetta (Shoring Steel Sheets)	316800	Hours	\$ 0.47	\$149,094.00
19-D67	Service - Pivetta (Jacks)	950400	Hours	\$ 0.47	\$447,282.00
19-D67	Service - Pivetta (Build-A-Box Shoring)	17280	Hours	\$ 3.50	\$60,541.20
19-D67	Service - Pivetta (Delivery and Return Costs)	150	Loads	\$ 208.96	\$31,343.63
19-D67	Service Markup	\$688,260.83	Cents/Dollar	\$ 0.21	\$144,534.77
19-D67				CALCULATED TOTAL:	\$1,539,963.14
19-D67				ESTIMATED TOTAL:	\$1,484,000.00
<b>Bid Item Change</b>					
19-D8	Structure Excavation Class B Incl. Haul for Joint Utility Trench	-4190	CY	\$ 73.20	-\$306,708.00
19-D9	Shoring or Extra Excavation Class B for Joint Utility Trench	-1	LS	\$ 133,560.00	-\$133,560.00
19-D13	Sand Bedding Incl. Haul for Joint Utility Trench	1000	Tons	\$ 44.75	\$44,750.00
19-D57	Shoring or Extra Excavation Class B for JUT Revisions at Victoria	-1	LS	\$ 1,815.78	-\$1,815.78
19-D62	Gravel Borrow Incl. Haul	4500	Tons	\$ 24.20	\$108,900.00
19-D63	Excavation of Test Pits for Tainted Soils and Water for Joint Utility Trench	1	EST	\$ 40,000.00	\$40,000.00
19-D64	Disposal of Petroleum Tainted Materials Incl. Haul	750	Tons	\$ 63.46	\$47,595.00
19-D65	Structure Excavation Class B Incl. Haul for Joint Utility Trench	8000	CY	\$ 240.00	\$1,920,000.00
19-D66	Dewatering for Joint Utility Trench	1	EST	\$ 500,000.00	\$500,000.00
19-D67	Shoring or Extra Excavation Class B for Joint Utility Trench	1	LS	\$ 1,484,000.00	\$1,484,000.00
TOTAL					\$3,703,161.22
<b>Overhead</b>					
	Per attached determination			By Agreement	\$0.00
<b>Estimated Change Order Cost (Schedule D)</b>					<b>\$3,703,161.22</b>
<b>Estimated Sales Tax Cost (Schedule D)</b>					<b>\$374,019.28</b>
<b>Estimated Change Order Cost</b>					<b>\$4,077,180.50</b>

Summary of Contractors Quotes:		
Item	Quote Location	Quoted Cost
19-D8	SL34s1	\$ (306,708.00)
19-D9	SL34s1	\$ (133,560.00)
19-D13	SL34s1	\$ 20,199.68
19-D57	SL34s1	\$ (1,815.78)
19-D62	SL34s1	\$ 185,013.62
19-D63	SL34s1	\$ -
19-D64	SL34s1	\$ 47,595.00
19-D65	SL34s1	\$ 2,600,239.14
19-D66	SL34s1	\$ 400,000.00
19-D67	SL34s1	\$ 926,357.14
Total Quoted Added Cost:		\$ 3,737,320.80

# Rainier Avenue South Phase 4 Analytical Test Results 2023

City of Renton  
King County, Washington



0 0 0.01 0.02  
Miles

- Contaminated
- Tainted
- Non Detect
- Dewatering Tanks

- Sta. 26+04-M
- Sta. 26+04-B
- Hayes-1-M
- Hayes-1-B

- Hayes-2-M
- Hayes-2-B

- Hayes-3-M
- Hayes-3-B

- SW Victoria St
- Sta. 24+90-M
  - Sta. 24+90-B

- Sta. 24+65-M
- Sta. 24+65-B

- Sta. 23+89-M
- Sta. 23+89-B

- Sta. 23+30-M
- Sta. 23+30-B

- AZ-4-M
- AZ-4-B

- AZ-3-M
- AZ-3-B

- AZ-2-M
- AZ-2-B

- AZ-1-M
- AZ-1-B

- AZ-1-S
- AZ-1-G

■ Dewatering Tanks

West Wind Motel

## Rainier Avenue South Phase 4 Analytical Test Results 2023

City of Renton  
King County, Washington

Date Collected	Report #	GPS Location		Sample Name	Status	Diesel Range Organics	Heavy Oil	Total Petroleum	GRO	Benzene	Toluene	Ethylbenzene	m,p-Xylene	o-Xylene	Matrix	
		Latitude	Longitude													
9/28/2023	2309492	47.48199	-122.21735	AZ-1-S	Tainted	ND	ND	ND	24.1	-	-	-	-	-	Soil	
				AZ-1-G	Contaminated	462	2290	2750	99.7	-	-	-	-	-	Groundwater	
10/5/2023	2310091	47.482043	-122.217353	AZ-1-M	Tainted	-	-	-	4.29	ND	ND	ND	ND	ND	Soil	
				AZ-1-B	Tainted	-	-	-	4.80	ND	ND	ND	ND	ND	Soil	
		47.482137	-122.217349	AZ-2-M	Tainted	-	-	-	4.42	ND	ND	ND	ND	ND	Soil	
				AZ-2-B	Tainted	-	-	-	4.79	ND	ND	ND	ND	ND	Soil	
		47.482181	-122.217354	AZ-3-M	Tainted	-	-	-	6.24	ND	ND	0.0536	0.0433	ND	Soil	
				AZ-3-B	Tainted	-	-	-	93.6	ND	ND	0.178	0.205	ND	Soil	
		47.482286	-122.217351	AZ-4-M	Non Detect	-	-	-	ND	ND	ND	ND	ND	ND	ND	Soil
				AZ-4-B	Tainted	-	-	-	6.05	ND	ND	ND	ND	ND	ND	Soil
10/11/2023	2310161	47.48314	-122.217535	Hayes-1-M	Contaminated	-	-	-	116	ND	ND	ND	ND	ND	Soil	
				Hayes-1-B	Tainted	-	-	-	4.17	ND	ND	ND	ND	ND	Soil	
		47.48306	-122.21752	Hayes-2-M	Contaminated	-	-	-	563	ND	ND	ND	ND	ND	Soil	
				Hayes-2-B	Non Detect	-	-	-	ND	ND	ND	ND	ND	ND	Soil	
		47.482975	-122.217454	Hayes-3-M	Non Detect	-	-	-	ND	ND	ND	ND	ND	ND	Soil	
				Hayes-3-B	Contaminated	-	-	-	212	ND	ND	ND	ND	ND	Soil	
10/16/2023	2310255	47.48245	-122.21737	Sta. 23+30-M	Non Detect	-	-	-	ND	ND	ND	ND	ND	ND	Soil	
				Sta. 23+30-B	Non Detect	-	-	-	ND	ND	ND	ND	ND	ND	Soil	
		47.48263	-122.21735	Sta. 23+89-M	Non Detect	-	-	-	ND	ND	ND	ND	ND	ND	Soil	
				Sta. 23+89-B	Non Detect	-	-	-	ND	ND	ND	ND	ND	ND	Soil	
		47.48279	-122.21741	Sta. 24+65-M	Non Detect	-	-	-	ND	ND	ND	ND	ND	ND	Soil	
				Sta. 24+65-B	Non Detect	-	-	-	ND	ND	ND	ND	ND	ND	Soil	
		47.48288	-122.2174	Sta. 24+90-M	Non Detect	-	-	-	ND	ND	ND	ND	ND	ND	Soil	
				Sta. 24+90-B	Non Detect	-	-	-	ND	ND	ND	ND	ND	ND	Soil	
		47.48316	-122.21746	Sta. 26+04-M	Non Detect	-	-	-	ND	ND	ND	ND	ND	ND	Soil	
				Sta. 26+04-B	Non Detect	-	-	-	ND	ND	ND	ND	ND	ND	Soil	



**Serial Letter: 018**

September 5, 2023, 2023

**To:** Michelle Faltaous  
City of Renton  
1055 South Grady Way  
Renton, Washington 98057

**Reference Project:** CAG-22-163, Rainier Ave S Corridor Improvements – Phase 4 Project

**Subject:** PCO-024 JUT Shoring Changes

Mrs. Michelle Faltaous:

As discussed with the City's project team, Pivetta Brothers Construction, Inc (Pivetta) has been impacted by changes to the Joint Utility Trench (JUT) that have created more difficult and expensive shoring. These changes were driven by the number of utilities found during the early potholing work as well as changes requested by the utilities in Field Directives #30, #31, and #37 and RFI-111.

During the bid phase, Pivetta established our shoring plan based on the JUT profile provided in the profile sheets for the water, sewer, and storm work. These profiles showed the JUT being between 4 ft and 6 ft below ground surface (BGS). The preferred shoring solution for this depth is Speed Shore, using hydraulic jacks and fin form (rated plywood). This system was selected based on our ability to procure the majority of the materials up front, it's flexibility to shore around known utilities, and the ease it can be installed with a 2-man crew (2 Laborers on either side of the trench). The shoring jacks were selected based on the JUT trench sections provided on sheets 160 and 161, where one size could be used for half of the JUT.

During the potholing operations, Pivetta discovered a significant number of additional utilizes. These additional utilities adjusted the JUT Excavation Plan extending the depth of the JUT between 8 ft and 10 ft BGS for the majority of its length. The specifications do identify that the JUT could be expected to be as deep as 12 feet, but this was generally expected to only occur at the Rainier Ave and 2<sup>nd</sup> St intersection where the design drawings depicted the JUT going down to 9 ft BGS.

Additional impacts to the JUT shoring system have also been caused by the varying soil conditions, unstable soils due to dewatering, and increased width of the trench to accommodate changes by the utilities. The direct costs for some of this work has been accounted for in the force account tickets, but the total impact due to changing our shoring design has not. These impacts to our operations includes:

- Slower operations to set steel plates weighing 2,800 to 4,000 lbs. using multiple equipment and laborers instead of a single man lowering an 80 lbs. sheet of fin form,
- Additional time and equipment to move the large steel sheets, whereas all the fin form for a day could be moved with a single load, and

- Increased time to adjust the large steel sheets to avoid extensions that blocked driveways and sidewalks, whereas the fin form could be easily laid horizontally and overlapped with lower sheets.

**Current Cost Impacts from Walgreens to Sansonia (STA 14+00 to 18+00)**

The current design required to construct the JUT now consists of steel plates, hydraulic jacks, fin form, and build-a-boxes. These different elements are required to construct the JUT at the deeper depth, as well as accommodate the continuous discovery of utilities, and dewatering requirements. The costs associated with installing this more intense shoring is as follows:

Additional Shoring Materials and Rental	\$36,674.28
<u>Additional Labor and Equipment</u>	<u>\$152,462.66</u>
<b>Total Cost</b>	<b>\$189,136.94</b>

**Calculating Additional Shoring Costs**

Based on the original design of the JUT, this section of JUT was expected to use the shoring jacks and fin form purchased for the project and no additional materials would need to be rented. As shown in the attached JUT Shoring and Inventory Costs sheet, a significant number of jacks and steel plates needed to be rented between June 12, 2023 and July 31, 2023 to construct the JUT from Walgreens to Sansonia.

**Calculating Labor Costs**

As provided for in the July Progress Schedule update (Serial Letter L-015), the first section of the JUT from Walgreens to Sansonia took 35 Working Days (based on a 5-day work week). This time was divided as follows:

Documented Force Account	14 Working Days
Contract Duration	5 Working Days
Pivetta Inefficiencies	5 Working Days
Required Shoring Changes	11 Working Days

The total cost for labor and equipment to construct the first segment of the JUT from Walgreens to Sansonia is \$291,065.08, see attached JUT Labor and Equipment Cost Sheet. Of the 35 Working Days in this period, 14 Working Days were attributed to Force Account work leaving only 21 Work Days, at a cost of \$13,860.24 per Work Day.

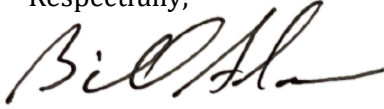
**Future Changes Shoring Changes to the JUT Design**

Based on the current JUT Excavation Plan, Pivetta is expecting similar costs for the work through the Horseshoe (STA 18+00 to 20+25) and up to Hayes St (STA 18+00 to 26+25). The expected cost for this additional work is \$645,427 based on the current costs of \$472.84 per LF. These costs do not include the shoring extensions that now need to be purchased so the hydraulic jacks bought for the project can be used as planned for the JUT section north of Hayes St.

The costs listed above do not include impacts to our subcontractor that have not been accounted for in the listed impacts or force account tickets.

We appreciate the City of Renton's efforts to resolve issues as they arise and keep the project moving forward. Pivetta will continue working to limit the additional costs associated with the unforeseen delays. Please feel free to contact me at (206) 914-2723, if you have any questions or concerns.

Respectfully,



Bill Adams  
Sr. Project Manager

w/ Attachments:

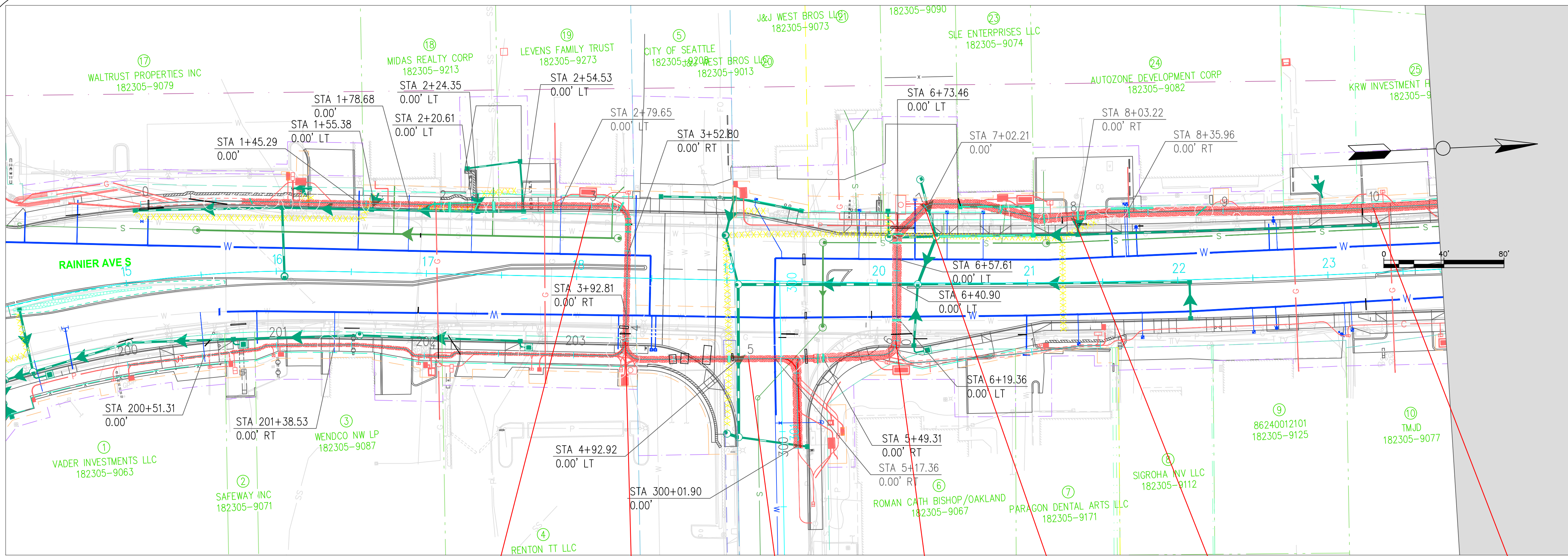
JUT Excavation Plan - Revised  
JUT Shoring Inventory and Costs  
JUT Labor and Equipment Costs

Cc:

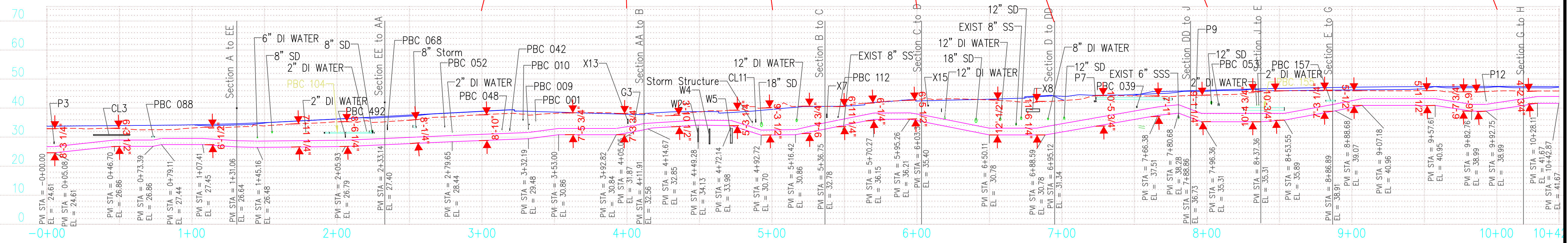
Jordan Howe, Perteet

Rainier Ave JUT Profile PBC.dwg

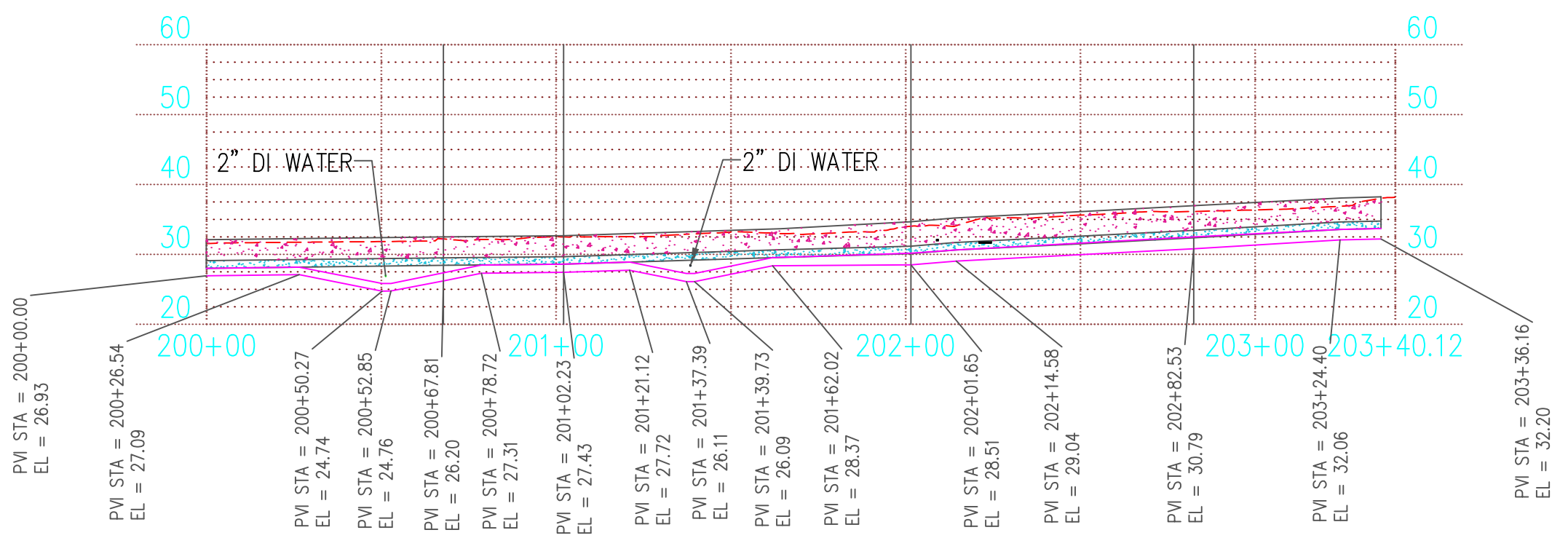
3/19/2007



JUT01  
STA -0+00 TO STA 10+43

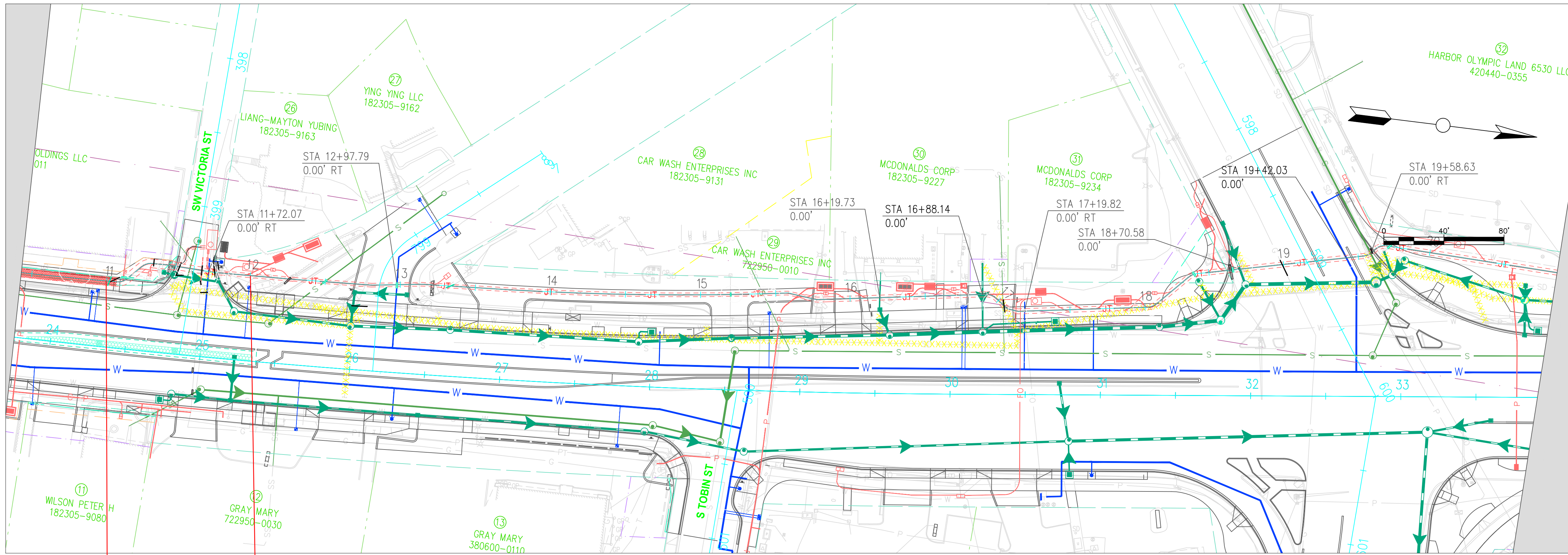


JUT02  
STA 200+00 TO STA 203+40

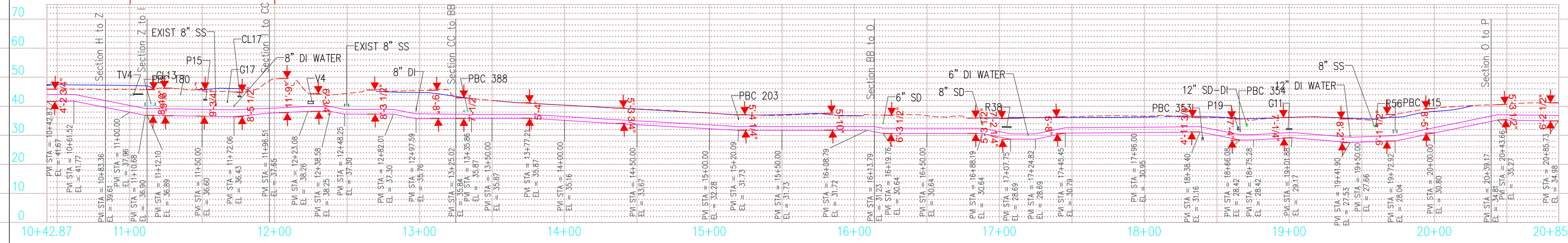


General Notes		
No.	Revision/Issue	Date
Firm Name and Address		
#####		
Project Name and Address		
#####		
Project	Sheet	Scale
#####	1	1" = 40'
Date	8/22/2023	





JUT01  
STA 10+43 TO STA 20+86



General Notes

No.	Revision/Issue	Date

Firm Name and Address

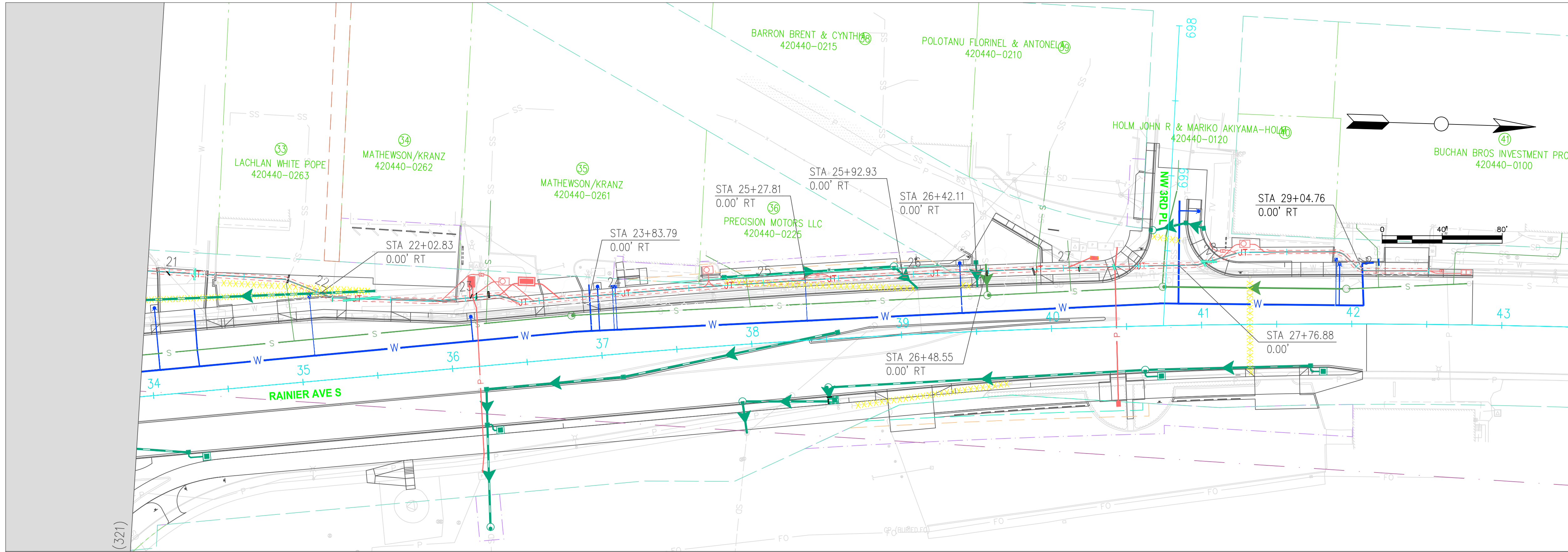
Project Name and Address

Project	#####	Sheet	2
Date	8/22/2023		
Scale	1" = 40'		

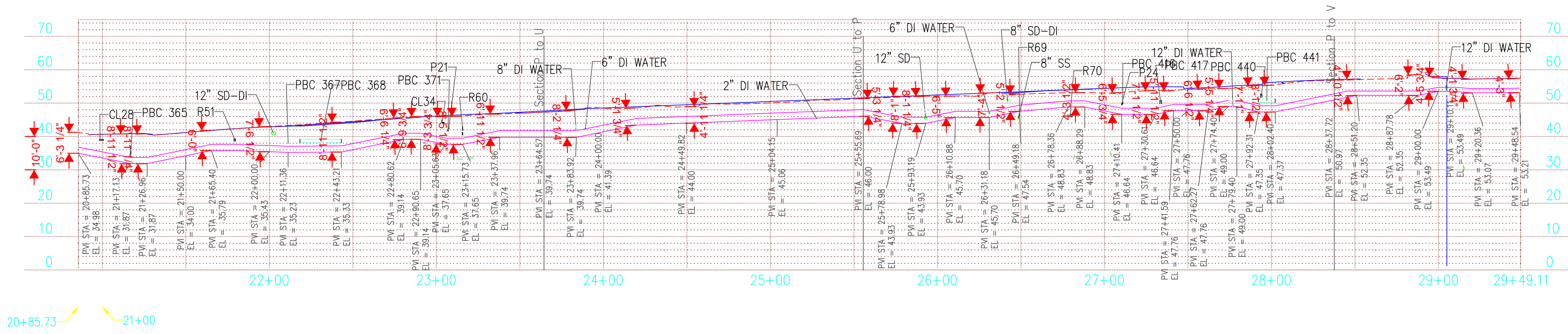
Rainer Ave JUT Profile PBC.dwg  
3/19/2007

Rainier Ave JUT Profile PBC.dwg

3/19/2007



**JUT01**  
**STA 20+86 TO STA 29+49**



Joint Utility Trench Shoring Inventory and Costs

Contract #	Start Date	Description	QTY	Daily Rate	Weekly Rate	Monthly Rate	Duration 6/12/23 - 7/31/23 (Months)	Cost 6/14/23 - 7/31/23	Duration 8/1/23 - 8/31/23 Months	Cost 8/1/23 - 8/31/23	Add'l Costs To Date
143383	6/14/2023	Steel Plate 6 x 10 x 1	7	\$19.59	\$58.78	\$176.33	1.55	\$1,907.05	1.00	\$1,234.31	\$3,141.36
143383	6/14/2023	Steel Plate 8 x 10 x 1	6	\$17.24	\$51.73	\$155.20	1.55	\$1,438.74	1.00	\$931.20	\$2,369.94
143383	6/14/2023	Steel Plate 8 x 10 x 1	10	\$17.24	\$51.73	\$155.20	1.55	\$2,397.90	1.00	\$1,552.00	\$3,949.90
143383	6/14/2023	Steel Plate 6 x 10 x 1	1	\$19.59	\$58.78	\$176.33	1.55	\$272.44	1.00	\$176.33	\$448.77
144192	6/27/2023	2FT Vertical Shore with 34in-55in Hydraulic Cylinder	6	\$15.12	\$45.36	\$136.08	1.12	\$912.57	1.00	\$816.48	\$1,729.05
144227	6/28/2023	2FT Vertical Shore with 34in -55in Hydraulic Cylinder	17	\$15.12	\$45.36	\$136.08	1.08	\$2,509.56	1.00	\$2,313.36	\$4,822.92
144432	7/5/2023	2FT Vertical Shore with 52in-88in Hydraulic Cylinder	60	\$18.10	\$54.31	\$162.94	0.85	\$8,355.90	1.00	\$9,776.40	\$18,132.30
144622	7/10/2023	Steel Plate 8 x 20 x 1 Non-skid	12	\$53.89	\$161.68	\$485.03	0.69	\$4,018.00	1.00	\$5,820.36	\$9,838.36
144622	7/10/2023	Steel Plate 8 x 10 x 1 Non-skid	2	\$17.24	\$51.73	\$155.20	0.69	\$214.28	1.00	\$310.40	\$524.68
144622	7/10/2023	Steel Plate 8 x 10 x 1 Non-skid	6	\$17.24	\$51.73	\$155.20	0.69	\$642.84	1.00	\$931.20	\$1,574.04
144689	7/10/2023	Steel Plate 8 x 10 x 1	8	\$17.24	\$51.73	\$155.20	0.69	\$857.12	1.00	\$1,241.60	\$2,098.72
144891	7/13/2023	2FT Vertical Shore with 52in-88in Hydraulic Cylinder	5	\$18.10	\$54.31	\$162.94	0.59	\$482.07	1.00	\$814.70	\$1,296.77
145063	7/17/2023	12L x 4 Tall Build-A-Box Shield with 48in-72in Static Struts	1	\$209.60	\$628.80	\$1,886.40	0.46	\$868.17	1.00	\$1,886.40	\$2,754.57
145063	7/17/2023	2H x 12L Build-A-Box Panel Guide Frame	2	Incl.	Incl.	Incl.	0.46	--	1.00	--	--
145267	7/24/2023	Aluminum Sheet For Build-a-Box Panel With Guide Frame	44	\$4.56	\$13.68	\$41.04	0.23	\$415.53	1.00	\$1,805.76	\$2,221.29
145267	7/24/2023	10L x 4 Tall Build-A-Box Shield with 36in-60in Static Struts and Sheet guides	1	\$190.58	\$571.73	\$1,715.18	0.23	\$394.68	1.00	\$1,715.18	\$2,109.86
145267	7/24/2023	2H x 10L Build-A-Box Panel Guide Frame	2	Incl.	Incl.	Incl.	0.23	--	1.00	--	--
145267	7/24/2023	6L x 4 Tall Build-A-Box Shield with 48in-72in Static Struts and Sheet Guides	1	\$175.69	\$527.06	\$1,581.19	0.23	\$363.85	1.00	\$1,581.19	\$1,945.04
145267	7/24/2023	6L x 4 Tall Build-A-Box Shield with 48in-72in Static Struts and Sheet Guides	1	\$175.69	\$527.06	\$1,581.19	0.23	\$363.85	1.00	\$1,581.19	\$1,945.04
145296	7/19/2023	2FT Vertical Shore with 144in-180in Hydraulic Cylinder	4	\$29.57	\$88.70	\$266.11	0.39	\$419.90	1.00	\$1,064.44	\$1,484.34
145296	7/19/2023	2FT Vertical Shore with 108in-144in Hydraulic Cylinder	4	\$26.82	\$80.47	\$241.42	0.39	\$380.94	1.00	\$965.68	\$1,346.62
145419	7/26/2023	8L x 4 Tall Build-A- Box Shield with 48in-72in Static Struts and Sheet Guides	1	\$174.20	\$522.60	\$1,567.80	0.16	\$257.69	1.00	\$1,567.80	\$1,825.49
145419	7/26/2023	8L x 4 Tall Build-A- Box Shield with 48in-72in Static Struts and Sheet Guides	1	\$174.20	\$522.60	\$1,567.80	0.16	\$257.69	1.00	\$1,567.80	\$1,825.49
145419	7/26/2023	8L x 4 Tall Build-A- Box Shield with 48in-72in Static Struts and Sheet Guides	1	\$174.20	\$522.60	\$1,567.80	0.16	\$257.69	1.00	\$1,567.80	\$1,825.49
145419	7/26/2023	8L x 4 Tall Build-A-Box Shield with 36in-60in Static Struts and Sheet Guide	1	\$174.20	\$522.60	\$1,567.80	0.16	\$257.69	1.00	\$1,567.80	\$1,825.49
145419	7/26/2023	Aluminum Sheet For Build-a-box Panel With Guide Frame	92	\$4.56	\$13.68	\$41.04	0.16	\$620.59	1.00	\$3,775.68	\$4,396.27
145419	7/26/2023	6L x 4 Tall Build-A-Box Shield with 36in-60in Static Struts and Sheet Guide	1	\$175.69	\$527.06	\$1,581.19	0.16	\$259.89	1.00	\$1,581.19	\$1,841.08
145931	7/31/2023	Steel Plate 8 x 20 x 1 Non-skid	2	\$26.57	\$79.70	\$239.10			1.00	\$478.20	\$478.20
145931	7/31/2023	Steel Plate 8 x 10 x 1 Non-skid	8	\$30.90	\$92.70	\$278.10			1.00	\$2,224.80	\$2,224.80
145931	7/31/2023	Steel Plate 8 x 20 x 1 Non-skid	7	\$26.57	\$79.70	\$239.10			1.00	\$1,673.70	\$1,673.70
145931	7/31/2023	Steel Plate 8 x 20 x 1 Non-skid	1	\$26.57	\$79.70	\$239.10			1.00	\$239.10	\$239.10
145565	7/31/2023	2FT Vertical Shore with 76in-112in Hydraulic Cylinder	30	\$23.73	\$71.18	\$213.55			1.00	\$6,406.50	\$6,406.50
145965	7/31/2023	72-108 Pin in Place Adjustable Static Strut for XLAP & Build-A-Box	24	\$6.57	\$19.70	\$59.11			1.00	\$1,418.64	\$1,418.64
146246	8/7/2023	Steel Plate 8 x 10 x 1	15	\$17.24	\$51.73	\$155.20			0.79	\$1,836.69	\$1,836.69
146246	8/7/2023	Steel Plate 6 x 10 x 1	5	\$19.59	\$58.78	\$176.33			0.79	\$695.58	\$695.58
146246	8/7/2023	2FT Vertical Shore with 76in-112in Hydraulic Cylinder	41	\$23.73	\$71.18	\$213.55			0.79	\$6,907.73	\$6,907.73
146246	8/7/2023	2FT Vertical Shore with 94in-130in Hydraulic Cylinder	11	\$25.24	\$75.72	\$227.16			0.79	\$1,971.41	\$1,971.41
146246	8/7/2023	72-108 Pin in Place Adjustable Static Strut for XLAP & Build -A- Box	4	\$6.57	\$19.70	\$59.11			0.79	\$186.54	\$186.54
146246	8/7/2023	96-144 Pin in Place Adjustable Static Strut for XLAP & Build-A-Box	8	\$9.67	\$29.02	\$87.05			0.79	\$549.43	\$549.43
146246	8/7/2023	Steel Plate 8 x 10 x 1	8	\$17.24	\$51.73	\$155.20			0.79	\$979.57	\$979.57
146596	8/11/2023	Steel Plate 8 x 20 x 1 Non-skid	12	\$26.57	\$79.70	\$239.10			0.66	\$1,886.39	\$1,886.39
		Additional Deliveries				\$185.00	5.00	\$925.00	5.00	\$925.00	\$1,850.00
<b>Total Costs</b>								<b>\$30,309.32</b>		<b>\$78,093.32</b>	<b>\$108,402.65</b>
<b>21% Markup</b>								<b>\$6,364.96</b>		<b>\$16,399.60</b>	<b>\$22,764.56</b>
<b>Total Costs w/ Markup</b>								<b>\$36,674.28</b>		<b>\$94,492.92</b>	<b>\$131,167.20</b>



<b>Job #</b>	2022-148	<b>Project Name</b>	Rainier Ave. S - Phase 4	<b>Station</b>	
<b>Date:</b>	4/1/2023	<b>Bid Item</b>		<b>Customer</b>	
<b>E.W.O #</b>		<b>Phase</b>		<b>Weather</b>	

**Description**

Labor and Equipment Costs for JUT Excavation and Backfill from June 15, 2023 to July 31, 2023.

**Labor**

Name: First, Last	Class	Hours	O/T Hours	Rate	O/T Rate	Extended
	Foreman 30-50	120		\$ 95.35	\$ -	\$ 11,442.00
	Foreman 15-30	225.5		\$ 94.96	\$ -	\$ 21,413.48
	Operator 15-30	304.75		\$ 90.96	\$ -	\$ 27,720.06
	Grader/Pipelayer - Lea	24		\$ 70.10	\$ -	\$ 1,682.40
	Grade Checker	78.5		\$ 86.31	\$ -	\$ 6,775.34
	Laborer	249.75		\$ 66.61	\$ -	\$ 16,635.85
	Op App - 90	90.5		\$ 81.86	\$ -	\$ 7,408.69
	Op App	64		\$ 63.67	\$ -	\$ 4,075.01
				\$ -	\$ -	\$ -

**Equipment**

Description	Year	Hours	Stby Hours	Rate	Stby Rate	Extended
P-XXX FOREMAN TRUCK		120		\$ 32.78	\$ -	\$ 3,933.60
P-XXX FOREMAN TRUCK		196.25		\$ 32.78	\$ -	\$ 6,433.08
P-147:2012 F450 Truck		109.5		\$ 32.78	\$ -	\$ 3,589.41
WL-112:JD 624K Wheel Loader		16.5		\$ 89.64	\$ -	\$ 1,479.06
WL-121:Volvo L70H Loader		77.75		\$ 89.38	\$ -	\$ 6,949.30
RB-115:John Deer 310 Backhoe		2.0		\$ 71.23	\$ -	\$ 142.46
EX-121:JD 35D Mini Excavator		34.5		\$ 46.37	\$ -	\$ 1,599.77
EX-135:Hitachi ZX-245 Excavator		34		\$ 154.34	\$ -	\$ 5,247.56
EX-139:JD 85G Compact Excavator		91.5		\$ 108.90	\$ -	\$ 9,964.35
EX-142:Hitachi 135N Excavator		102		\$ 122.55	\$ -	\$ 12,500.10
EX-155:2022 John Deere 245G		13		\$ 145.85	\$ -	\$ 1,896.05
T-133:International Dump Truck		0.5		\$ 72.26	\$ -	\$ 36.13
T-156:1987 International F74		9.0		\$ 72.26	\$ -	\$ 650.34
LT-102:Light Tower		34.25		\$ 19.12	\$ -	\$ 654.86
				\$ -	\$ -	\$ -

**Materials**

Invoice #	Date	Supplier	Material Type	QTY	Amount

**Subcontractors**

Name:	Date	Type	Work Description	QTY	Amount

**Information Required**

Information Required		Contact Agency Inspection Authority
1		Name
2		Notified
3		Time
4		Method
5		

**Cost Breakdown**

	Sub Total	x M/U =	Total
Labor	\$97,152.83	29%	\$125,327.15
WSDOT 1-09.6 Sick Leave	\$97,152.83	2%	\$99,095.89
Equipment	\$55,076.07	21%	\$66,642.04
Materials	\$0.00	21%	\$0.00
Subcontractor	\$0.00	12%/10%/7%	\$0.00

Calculated Total: \$291,065.08



**Serial Letter: 018s1**

November 7, 2023

**To:** Michelle Faltaous  
City of Renton  
1055 South Grady Way  
Renton, Washington 98057

**Reference Project:** CAG-22-163, Rainier Ave S Corridor Improvements – Phase 4 Project

**Subject:** PCO-024 JUT Shoring Changes

Mrs. Michelle Faltaous:

As discussed with the City's project team, Pivetta Brothers Construction, Inc (Pivetta) has been impacted by changes to the Joint Utility Trench (JUT) that have created more difficult and expensive shoring. As requested by the City, Pivetta has assembled the attached table (JUT Depth Changes) identifying the planned drawings we used to determine the JUT depth and profile during the bid phase. Using the drawings listed in this table, Pivetta established our shoring plan with the expectation that the JUT would be between 4 ft and 6 ft below ground surface (BGS), see attached table JUT Elevation Changes. The preferred shoring solution for this depth is Speed Shore, using hydraulic jacks and fin form (rated plywood). This system was selected based on our ability to procure the majority of the materials up front, it's flexibility to shore around known utilities, and the ease it can be installed with a 2-man crew (2 Laborers on either side of the trench). The shoring jacks were selected based on the JUT trench sections provided on sheets 160 and 161, where one size of jack and a set of extensions could be used for the majority of the JUT.

As demonstrated in the attached table, the new depth required to install the JUT is nearly twice as deep as what was planned. Along with this additional depth, Pivetta was also required to use shoring that could accommodate a wider trench section due to utility changes and unstable soil conditions caused by encountering groundwater and unsuitable soils. These changes have caused Pivetta to alter our shoring plan to use a more difficult and time consuming shoring setup. The direct costs for some of this work have been accounted for in the force account tickets, but the total impact due to changing our shoring design has not. These impacts to our operations includes:

- Slower operations to set steel plates weighing 2,800 to 4,000 lbs. using multiple equipment and laborers instead of a single man lowering an 80 lbs. sheet of fin form,
- Additional time and equipment to move the large steel sheets, whereas all the fin form for a day could be moved with a single load, and
- Increased time to adjust the large steel sheets to avoid extensions that blocked driveways and sidewalks, whereas the fin form could be easily laid horizontally and overlapped with lower sheets.

We appreciate the City of Renton's efforts to resolve issues as they arise and keep the project moving forward. Pivetta will continue working to limit the additional costs associated with the unforeseen delays. Please feel free to contact me at (206) 914-2723, if you have any questions or concerns.

Respectfully,



Bill Adams  
Sr. Project Manager

w/ Attachments:  
JUT Depth Changes Table

Cc:  
Jordan Howe, Perteet  
Russ Owen, Pivetta

## JUT Depth Changes

Sheet	Detail/Description	Sta	Planned Depth (ft)	Altered Depth (ft)
100	CB 159 to CB 20 Profile	17+33	6	8.5
132	West Side Water Line	18+35	5.5	8
132	East Side Water Line	18+35	5.5	7.5
92	CB 294 to CB 446 Profile	19+10	9	10
100	S 2nd Street CB 438 to CB 36 Profile	19+10	8	9.75
92	West Side Profile	20+10	4.5	12.5
132	West Side Water Line	20+17	5	12.5
132	East Side Water Line	20+17	5	10
138	STA 20+25 - Connection Profile	20+25	5	12
92	Eastside Profile	20+27	5.25	11.5
100	CB 43 to CB 33 Profile	20+28	4	11
92	CB 514 to CB 513 Profile	21+03	5.5	9
101	Exist WQ Structure to CB 40 Profile	21+34	4	10.5
136	SW Victoria St - Connection Profile	25+00	4	9.5
137	Hayes PL SW - Connection Profile	26+25	5	10.25
102	CB 340 to CB 137 Profile	29+53	5.5	7
102	CB 306 to CB 134 Profile	30+21	5	6
138	STA 30+50 - Connection Profile	30+49	5	8
102	CB 131 to CB 130 Profile	31+96	5.25	7.5
138	Renton Ave Ext - Connection Profile	32+65	5	8.25
118	Renton Ave Ext Profile 598+50 to 600+00	32+96	5	9
95	West Side Profile	33+85	5	8
138	ST 34+30 - Connection Profile	34+32	4.5	9.25
138	STA 36+95 - Connection Profile	36+95	5.5	9
97	West Side Profile	39+12	3.5	8
97	CB 182 to CB 304 Profile	39+52	4.75	10.5
138	NW 3rd PL - Connection Profile	40+85	4.5	9
136	West Side Water Line - Connection Profile	42+07	6	7
<b>Average Depth</b>			5.21	9.25



**Serial Letter: 021**

October 16, 2023

**To:** Michelle Faltaous  
City of Renton  
1055 South Grady Way  
Renton, Washington 98057

**Reference Project:** CAG-22-163, Rainier Ave S Corridor Improvements – Phase 4 Project

**Subject:** PCO-025, Contaminated Soil Impacts to Joint Utility Trench

Mrs. Michelle Faltaous:

As Pivetta Brothers Construction (Pivetta) has been discussing with the City of Renton’s project team, contaminated soils and groundwater was discovered during the excavation of the Joint Utility Trench (JUT) at approximately Sta 21+50, 50 LT on Thursday (9/28/2023). This contaminated soil has created both cost and time impacts, pursuant to section 1-04.4 and 1-08.8 of the contract.

While excavating for the JUT, Pivetta encountered a strong, unnatural odor being emitted from the freshly disturbed soil and contacted the City’s onsite inspector. It was agreed at this time to halt further excavation pending results of a soil contamination test. The results of this test were not received back until Tuesday (10/3/2023). Based on these results, Pivetta did additional site delineation with the City to determine the extent and levels of the contamination and was not able to re-start the JUT until Tuesday (10/10/2023).

This portion of the JUT is contained with activity “JUT – Big Island Poke to Watson Security, Install Conduits” are is on the critical path. This delay is expected to delay the project and add an additional 12 Working Days. While other work was able to be completed, this work was incidental to other items and not part of the projects critical path. A more detailed analysis of this delay can be provided with out next project schedule update.

Additional costs for disposing the contaminated soils has been discussed with the City. Due to the levels being below MTCA cleanup but above acceptable contamination levels for reuse, Pivetta is seeking additional costs to dispose of the materials since we are unable to reuse the material on-site nor take them to our regular disposal sites for clean uncontaminated material. Due to the challenges of separating the costs for disposing of the soil with the excavation operation, Pivetta is proposing to adjust the unit price for the material at a rate of \$63.46 Per Ton, based on the truck tickets provided by the disposal site. A detailed cost breakdown is attached and please note that the quantities used were based on estimates and is not fixed.

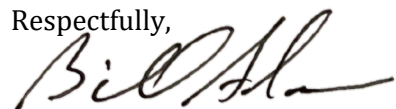


Handling and disposing of the contaminated groundwater is expected to be paid using direct costs based on force account tickets and invoices since Pivetta expected to dispose of all groundwater either on-site or to the sewer system.

Pivetta is also seeking the time to perform the additional sampling to better identify the extent of the contamination. This work has been documented on force account tickets.

We appreciate the City's efforts to help address this issue and keep the project moving forward. Pivetta will continue working with the on-site personnel and follow their direction regarding what material is contaminated and how it should be disposed of. We will continue providing recommendations for additional sampling but are not able to make determinations regarding what is contaminated and what is not and will require the City to actively monitor the soils.

Respectfully,



Bill Adams  
Sr. Project Manager

Attachments:

PCO-025 Contaminated Soil Pricing

Cc:

Jordan Howe, Perteet  
Austin Roth, Pivetta  
Russ Owen, Pivetta  
Alan Guthmiller, Golden Gate Electric

### Change Order Pricing



Project No.: 2022-148  
 Project Name: Rainier Ave S - Phase 4  
 Date: 10/12/2023

PCO: 25  
 Description: Contaminated Soil

Item No.	Description	Qty	UOM	Production Rate (MH/UOM)	Manhours	Labor Rate	Labor Cost	Equipment Hours	Equipment Rate	Equipment Cost	Unit Price	Material Cost	Subcontractor Unit Price	Sucontractor Cost	Item Cost
1															
2	<b>Material Export - Clean Soil (Stockpile)</b>														
3	Trucking (T&T, 23 TN 2 HR)	744	TN	0.0870									(\$189.00)	(\$12,227.48)	(\$12,227.48)
4	Dump Fees	25	LD								(\$50.00)	(\$1,250.00)			(\$1,250.00)
5															
6	<b>Material Export - Contaminated Soil</b>														
7	Trucking (T&T, 24TN 4 HR)	744	TN	0.1667									\$189.00	\$23,436.00	\$23,436.00
8	Dump Fees	744	TN								\$36.26	\$26,977.44			\$26,977.44
9															
10	<b>Loss of Round Robin</b>														
11	Additional Trucking for Import	25	LD	0.6667									\$189.00	\$3,150.00	\$3,150.00
12	Trucking (T&T, 1 LD 1.5 HR)														
13															
14															
15															
16															
25															
26															
27															
28															
Element Cost							\$0.00			\$0.00		\$25,727.44		\$14,358.52	\$40,085.96
Markup						31%	\$0.00		21%	\$0.00	21%	\$5,402.76	12%	\$1,723.02	\$7,125.79
Total Cost							\$0.00			\$0.00		\$31,130.20		\$16,081.54	\$47,211.75
													TN Premium	744	\$63.46

Notes: Contaminated Soil is being direct halued offsite due to potential issues arising from stockpiling contaminates.

\*Qty based off projected contaminated area, values are likley subject to change\*



**Serial Letter: 024**

November 17, 2023

**To:** Michelle Faltaous  
City of Renton  
1055 South Grady Way  
Renton, Washington 98057

**Reference Project:** CAG-22-163, Rainier Ave S Corridor Improvements – Phase 4 Project

**Subject:** October Project Schedule Update

Mrs. Michelle Faltaous:

As previously indicated and discussed with the City’s project team, Pivetta Brothers Construction, Inc (Pivetta) performed a monthly update of the Project’s Approved Baseline Project Schedule (Submittal #72 rev. 1) to understand the current delays and how they’re impacting the progress of the project. This update used a data date of 11/3/2023 and did not include any additional logic changes beyond those incorporated with previous monthly updates.

Based on this current schedule update, the total expected construction period for the project is now 611 Working Days, which is an additional 39 Working Days beyond the 8/31/2023 schedule update provided with letter L-019s1 August Schedule Update and Impacts.

<u>Schedule</u>	<u>Start Date</u>	<u>Finish Date</u>	<u>Working Days</u>
Approved Baseline	3/15/2023	3/25/2025	500
7/31/2023 Schedule Update	3/13/2023	6/20/2025	563
8/31/2023 Schedule Update	3/13/2023	7/7/2025	572
11/3/2024 Schedule Update	3/13/2023	8/20/2025	611

The extended construction duration is driven by the current installation of the Joint Utility Trench, since it is on the critical path (see attached list of remaining critical path activities). There have been a number of issues surrounding the installation of the JUT and Pivetta has identified those delays in serial letters L-015, L-018, and L019. In an effort to mitigate these delays, Pivetta has continued to add crews to assist with the JUT installation. Even with these additional crews, the project continued to fall behind due to the number of Force Account issues encountered and changes to the JUT Design that have resulted in more complex shoring. Pursuant to sections 1-04.4 and 1-08.8, Pivetta is seeking additional costs and time for these impacts.

**Proactive Mitigation in August**

To proactively mitigate the delays to the project, Pivetta provided additional crews to construct the JUT. The crew size and assignment was based on the work being performed, with the priority being to complete the JUT activities since they are on the critical path. The number of crews assigned to work on the JUT are identified in the attached worksheet, Force Account Impacts to Joint Utility Trench. This demonstrates that we had 69 Crew Days over 42 Work Days (assuming a 5-day work week).

**Impacts Due to Force Account Tickets**

Based on the Force Account tickets approved by the City between 9/5/2023 and 11/3/2023, there were 282 Crew Hours or 35 Working Days that impacted the JUT installation activities on the project’s critical path. A summary of these hours is provided in the attached worksheet, Force Account Impacts to Joint Utility Trench.

**Shoring Changes to the JUT Design**

The major impact that our additional crews absorbed was caused by the more complex shoring design required by the changes in the JUT design (see Serial Letter L018, PCO-024 JUT Shoring Change). To calculate the cost for this change, we divided our total cost for the number of days we attribute to this change.

Breakdowns for each of these items are attached. The additional shoring materials and rentals were calculated using the weekly inventory reports and invoices provided by our supplier. The additional labor and equipment was calculated by comparing our planned manpower costs with our actual manpower costs. We anticipated the trenching and backfill for the JUT conduit installation in the area from Big Island Poke to Watson Security to take to take 8 Working Days using 1 crew, or 8 Crew Days. Due to the changes in the JUT design this effort took 51 Crew Days, using multiple crews on both days and nights. At a total labor and equipment cost of \$440,317.54, each Crew Day is approximately \$8,633.68. The approximate daily crew cost was then multiplied by the additional Crew Days to determine the cost of the JUT design changes.

Force Account Issues	35 Crew Days	Tracked Under Force Account	
Weather Days (x2)	0 Crew Days	No Cost	
Base Contract Effort	8 Crew Days	\$8,633.68/Day	\$69,069.42
<u>JUT Design Changes</u>	<u>43 Crew Days</u>	<u>\$8,633.68/Day</u>	<u>\$371,248.12</u>
<b>Totals</b>	<b>86 Crew Days</b>		<b>\$440,317.54</b>

The total costs for this impact during the months of September August is calculated as follows:

Additional Shoring Materials and Rental	\$558,988.12
<u>Additional Labor and Equipment</u>	<u>\$371,248.13</u>
<b>Total Cost</b>	<b>\$930,236.25</b>

With this notice Pivetta is requesting an additional 39 Working Days and \$930,236.25. These costs do not include impacts to our subcontractors. These costs are being assembled and we will forward them as they are received.

We appreciate the City of Renton's efforts to resolve issues as they arise and keep the project moving forward. Pivetta will continue working to limit the additional costs associated with the unforeseen delays. Please feel free to contact me at (206) 914-2723, if you have any questions or concerns.

Respectfully,



Bill Adams  
Sr. Project Manager

w/ Attachments:

- 2023-11-03 Rainier Ave Schedule Update.pdf
- 2023-11-03 Rainier Ave Schedule Update.mpp
- List of Remaining Critical Path Activities
- Force Account Impacts to Joint Utility Trench
- JUT Shoring Changes – Labor and Equipment Costs for September and October
- JUT Shoring Changes – Shoring Costs for September and October

Cc:

- Jordan Howe, Perteet
- Alan Guthmiller, Golden Gate Electric



ID	Task Name	Duration	Total Slack	Free Slack	Actual Start	Actual Finish	Early Start	Early Finish	Late Start	Late Finish	Predecessors	Text2
0	<b>Rainier Ave Phase 4 Project Schedule</b>	<b>690 d</b>	<b>0 d</b>	<b>0 d</b>	<b>Wed 11/2/22</b>	<b>NA</b>	<b>Wed 11/2/22</b>	<b>Wed 8/20/25</b>	<b>Wed 11/2/22</b>	<b>Wed 8/20/25</b>		
1												
2	Bid Opening Date	1 d	0 d	0 d	Wed 11/2/22	Wed 11/2/22	Wed 11/2/22	Wed 11/2/22	Wed 11/2/22	Wed 11/2/22		Project Overview
3	Award Date (w/in 45 calendar days after opening bids)	1.13 d	0 d	0 d	Tue 12/13/22	Tue 12/13/22	Tue 12/13/22	Tue 12/13/22	Tue 12/13/22	Tue 12/13/22	2FS+45 d	Project Overview
4	Contract Execution Date	1 d	0 d	0 d	Thu 12/22/22	Thu 12/22/22	Thu 12/22/22	Thu 12/22/22	Thu 12/22/22	Thu 12/22/22	3	Project Overview
5	Notice to Proceed Date	1 d	0 d	0 d	Mon 3/13/23	Mon 3/13/23	Mon 3/13/23	Mon 3/13/23	Mon 3/13/23	Mon 3/13/23	3,20FS+8 d	Project Overview
6	Substantial Completion Date	0 d	0 d	0 d	NA	NA	Wed 8/20/25	Wed 8/20/25	Wed 8/20/25	Wed 8/20/25	513,517,301,331,449,265,448,516	Project Overview
7	Physical Completion Date	0 d	0 d	0 d	NA	NA	Wed 8/20/25	Wed 8/20/25	Wed 8/20/25	Wed 8/20/25	5,6	Project Overview
8	Contractual Physical Completion Date (500 working days)	0 d	0 d	0 d	NA	NA	Wed 8/20/25	Wed 8/20/25	Wed 8/20/25	Wed 8/20/25	7,5FS+500 d	Project Overview
9												
10	<b>Preconstruction</b>	<b>165 d</b>	<b>459 d</b>	<b>459 d</b>	<b>Sun 2/12/23</b>	<b>NA</b>	<b>Sun 2/12/23</b>	<b>Fri 10/6/23</b>	<b>Sun 2/12/23</b>	<b>Wed 8/20/25</b>	<b>4</b>	
11	Submit Contractor's Health and Safety Plan	0 d	0 d	0 d	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23		Pivetta - Administration
12	Prepare/Submit Confined Space Entry Program	5 d	459 d	459 d	NA	NA	Mon 10/2/23	Fri 10/6/23	Thu 8/14/25	Mon 8/20/25	5	Pivetta - Administration
13	Prepare/Submit Shoring and Excavation Plan	3 d	0 d	0 d	Wed 2/15/23	Fri 2/17/23	Wed 2/15/23	Fri 2/17/23	Wed 2/15/23	Fri 2/17/23	4	Pivetta - Administration
14	Prepare/Submit Breakdown of Lump Sum Bid Items	5 d	0 d	0 d	Sun 2/12/23	Fri 2/17/23	Sun 2/12/23	Fri 2/17/23	Sun 2/12/23	Fri 2/17/23	4	Pivetta - Administration
15	Prepare/Submit Preliminary QPL/RAM for Jobsite Materials	5 d	459 d	459 d	NA	NA	Mon 10/2/23	Fri 10/6/23	Thu 8/14/25	Wed 8/20/25	4	Pivetta - Administration
16	Prepare/Submit Preliminary Schedule of Working Drawing Submittals	5 d	459 d	459 d	NA	NA	Mon 10/2/23	Fri 10/6/23	Thu 8/14/25	Wed 8/20/25	4	Pivetta - Administration
17	Submit Work Hour Variance to CoR	0 d	0 d	0 d	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23		Pivetta - Administration
18	Prepare/Submit Type 2 Working Drawings for Field Office	1 d	0 d	0 d	Thu 3/2/23	Thu 3/2/23	Thu 3/2/23	Thu 3/2/23	Thu 3/2/23	Thu 3/2/23	4	Pivetta - Administration
19	Submit Preliminary Type B Schedule	1 d	0 d	0 d	Tue 2/21/23	Tue 2/21/23	Tue 2/21/23	Tue 2/21/23	Tue 2/21/23	Tue 2/21/23	4	Pivetta - Administration
20	Attend Preconstruction Conference	1 d	0 d	0 d	Wed 2/22/23	Wed 2/22/23	Wed 2/22/23	Wed 2/22/23	Wed 2/22/23	Wed 2/22/23	4FS+49 d,11,14,15,16,17,18,19	City of Renton
21												
22	Submit Final Type B Progress Schedule	1 d	0 d	0 d	Mon 3/20/23	Mon 3/20/23	Mon 3/20/23	Mon 3/20/23	Mon 3/20/23	Mon 3/20/23	20	Pivetta - Administration
23	Prepare/Submit Project Specific Traffic Control Plan	0 d	0 d	0 d	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	4	Pivetta - Administration
24	Prepare/Submit Confined Space Program Plan	5 d	459 d	459 d	NA	NA	Mon 10/2/23	Fri 10/6/23	Thu 8/14/25	Wed 8/20/25		Pivetta - Administration
25	Submit/Fabricate Sample Project Identification Signs to CoR	5 d	0 d	0 d	Mon 2/20/23	Mon 2/27/23	Mon 2/20/23	Mon 2/27/23	Mon 2/20/23	Mon 2/27/23	4	Pivetta - Administration
26	Prepare/Submit Dewatering Plan (Waiting on RFI-007 submitted 2/20/2023)	5 d	459 d	459 d	NA	NA	Mon 10/2/23	Fri 10/6/23	Thu 8/14/25	Wed 8/20/25	4	Pivetta - Administration
27	Prepare/Submit Contaminated Soil and GW Handling and Mgmt Plan	0 d	0 d	0 d	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	4	Pivetta - Administration
28	Request JUT Structures and Conduit	1 d	0 d	0 d	Wed 3/8/23	Wed 3/8/23	Wed 3/8/23	Wed 3/8/23	Wed 3/8/23	Wed 3/8/23	20	Pivetta - Administration
29	Utility Preconstruction Meeting	1 d	0 d	0 d	Thu 3/16/23	Thu 3/16/23	Thu 3/16/23	Thu 3/16/23	Thu 3/16/23	Thu 3/16/23	5FS+2 d	City of Renton
30												
31	Setup/Install Temporary Field Offices	0 d	0 d	0 d	Mon 2/20/23	Fri 3/3/23	Mon 2/20/23	Fri 3/3/23	Mon 2/20/23	Fri 3/3/23	20	Pivetta
32	Complete Project Existing Conditions Survey	4 d	0 d	0 d	Mon 3/13/23	Fri 3/17/23	Mon 3/13/23	Fri 3/17/23	Mon 3/13/23	Fri 3/17/23	5	Pivetta - Administration
33	Control and Staking	0 d	0 d	0 d	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	5	North Peak
34												
35	<b>Rainier Ave. S. - Construction Duration</b>	<b>605 d</b>	<b>0 d</b>	<b>0 d</b>	<b>Mon 3/13/23</b>	<b>NA</b>	<b>Mon 3/13/23</b>	<b>Wed 8/20/25</b>	<b>Mon 3/13/23</b>	<b>Wed 8/20/25</b>	<b>5,13</b>	
36	<b>Mobilization</b>	<b>107 d</b>	<b>0 d</b>	<b>0 d</b>	<b>Mon 3/13/23</b>	<b>Fri 8/11/23</b>	<b>Mon 3/13/23</b>	<b>Fri 8/11/23</b>	<b>Mon 3/13/23</b>	<b>Fri 8/11/23</b>		
37	CCTV and Flush Sewer Lines	0 d	0 d	0 d	Tue 8/1/23	Thu 8/3/23	Tue 8/1/23	Thu 8/3/23	Tue 8/1/23	Thu 8/3/23	5,12	Insituform
38	Fence Removal and Reinstallation	5 d	0 d	0 d	Tue 8/1/23	Mon 8/7/23	Tue 8/1/23	Mon 8/7/23	Tue 8/1/23	Mon 8/7/23	33SS	Pivetta
39	Sewer Manhole Delivery	39 d	0 d	0 d	Fri 8/16/23	Fri 8/11/23	Fri 8/16/23	Fri 8/11/23	Fri 8/16/23	Fri 8/11/23	5	Pivetta - Administration
40												
41	<b>Potholing</b>	<b>42 d</b>	<b>0 d</b>	<b>0 d</b>	<b>Mon 3/13/23</b>	<b>Tue 5/9/23</b>	<b>Mon 3/13/23</b>	<b>Tue 5/9/23</b>	<b>Mon 3/13/23</b>	<b>Tue 5/9/23</b>		
42	Pothole South Rainier Ave - STA 15+25 to 25+00	17 d	0 d	0 d	Mon 3/13/23	Wed 4/5/23	Mon 3/13/23	Wed 4/5/23	Mon 3/13/23	Wed 4/5/23	5,23	
43	Pothole North Rainier Ave - STA 25+00 to 42+85	24 d	0 d	0 d	Wed 4/5/23	Tue 5/9/23	Tue 5/9/23	Wed 4/5/23	Tue 5/9/23	Tue 5/9/23	42	
44	Pothole Side Streets	0 d	0 d	0 d	Thu 5/4/23	Tue 5/9/23	Thu 5/4/23	Tue 5/9/23	Thu 5/4/23	Tue 5/9/23	43	
45												
46	<b>Stage 1 (West)</b>	<b>407 d</b>	<b>187 d</b>	<b>187 d</b>	<b>Tue 3/28/23</b>	<b>NA</b>	<b>Tue 3/28/23</b>	<b>Wed 11/13/24</b>	<b>Tue 3/28/23</b>	<b>Wed 8/20/25</b>	<b>5</b>	
47	<b>Site Prep - Sta 13+93.10 to 40+80.29</b>	<b>134.25 d</b>	<b>227.75 d</b>	<b>227.75 d</b>	<b>Tue 3/28/23</b>	<b>NA</b>	<b>Tue 3/28/23</b>	<b>Fri 10/6/23</b>	<b>Tue 3/28/23</b>	<b>Tue 9/10/24</b>		
48	Install Project Identification and Business Owner Signs	1 d	0 d	0 d	Tue 3/28/23	Tue 3/28/23	Tue 3/28/23	Tue 3/28/23	Tue 3/28/23	Tue 3/28/23	4	Pivetta
49	Install High Visibility Fence/Inspection by CoR	1 d	0 d	0 d	Wed 3/29/23	Wed 3/29/23	Wed 3/29/23	Wed 3/29/23	Wed 3/29/23	Wed 3/29/23	4	Pivetta
50	Install TESC- Stage 1	28 d	0 d	0 d	Wed 3/29/23	Fri 5/5/23	Wed 3/29/23	Fri 5/5/23	Wed 3/29/23	Fri 5/5/23	4	Pivetta
51	Clear & Grub - Stage 1 (Work Progressing as Needed with Other Activities)	2.25 d	0 d	0 d	Wed 6/21/23	Mon 4/24/23	Wed 6/21/23	Mon 4/24/23	Wed 6/21/23	Mon 4/24/23	50	Pivetta
52	Complete Removals	5 d	227.75 d	126.75 d	Mon 4/24/23	NA	Mon 4/24/23	Fri 10/6/23	Mon 4/24/23	Tue 9/10/24	51	Pivetta
53	Relocate Bus Shelter - Sta 27+45.48	3 d	0 d	0 d	Mon 4/24/23	Wed 4/26/23	Mon 4/24/23	Wed 4/26/23	Mon 4/24/23	Wed 4/26/23	5	Pivetta
54	<b>Temporary Channelization and Signalization - Sta 13+95 to 43+63.00</b>	<b>14 d</b>	<b>0 d</b>	<b>0 d</b>	<b>Wed 4/5/23</b>	<b>Mon 4/24/23</b>	<b>Wed 4/5/23</b>	<b>Mon 4/24/23</b>	<b>Wed 4/5/23</b>	<b>Mon 4/24/23</b>		
55	<b>Portable Temporary Signal System (SW Sunset/S 3rd St.) (2nd St.) (Airport Way/Renton Ave)</b>	<b>6 d</b>	<b>0 d</b>	<b>0 d</b>	<b>Wed 4/5/23</b>	<b>Wed 4/12/23</b>	<b>Wed 4/5/23</b>	<b>Wed 4/12/23</b>	<b>Wed 4/5/23</b>	<b>Wed 4/12/23</b>		
56	Pull Wire to Tie In Temp Signal	2 d	0 d	0 d	Wed 4/5/23	Thu 4/6/23	Wed 4/5/23	Thu 4/6/23	Wed 4/5/23	Thu 4/6/23	48	Golden Gate
57	Video Detection Camera Installation	1 d	0 d	0 d	Wed 4/12/23	Wed 4/12/23	Wed 4/12/23	Wed 4/12/23	Wed 4/12/23	Wed 4/12/23	56SS+2 d	Golden Gate
58	Install Portable Signal System	1 d	0 d	0 d	Wed 4/12/23	Wed 4/12/23	Wed 4/12/23	Wed 4/12/23	Wed 4/12/23	Wed 4/12/23	57	Golden Gate
59	Adjust and Modify Signals	1 d	0 d	0 d	Wed 4/12/23	Wed 4/12/23	Wed 4/12/23	Wed 4/12/23	Wed 4/12/23	Wed 4/12/23	58	Golden Gate
60	<b>Temporary Channelization - Sta 13+95 to 43+63.00</b>	<b>9 d</b>	<b>0 d</b>	<b>0 d</b>	<b>Wed 4/12/23</b>	<b>Mon 4/24/23</b>	<b>Wed 4/12/23</b>	<b>Mon 4/24/23</b>	<b>Wed 4/12/23</b>	<b>Mon 4/24/23</b>		
61	Install Stage 1 Construction Channelization and Striping - South of Airport Way	0 d	0 d	0 d	Wed 4/12/23	Wed 4/12/23	Wed 4/12/23	Wed 4/12/23	Wed 4/12/23	Wed 4/12/23	57,59,58,56,53,48FF	SPM
62	Install Stage 1 Construction Channelization and Striping - North of Airport Way	1 d	0 d	0 d	Mon 4/24/23	Mon 4/24/23	Mon 4/24/23	Mon 4/24/23	Mon 4/24/23	Mon 4/24/23	61	SPM
63	<b>Joint Utility Trench - Sta 15+25 to 42+85</b>	<b>191 d</b>	<b>403 d</b>	<b>403 d</b>	<b>Tue 3/28/23</b>	<b>NA</b>	<b>Tue 3/28/23</b>	<b>Fri 1/5/24</b>	<b>Tue 3/28/23</b>	<b>Wed 8/20/25</b>		
64	<b>JUT - Walgreens to Sansonia (Sections A, EE, AA) - Sta 15+25 to Sta 18+40</b>	<b>87 d</b>	<b>0 d</b>	<b>0 d</b>	<b>Tue 3/28/23</b>	<b>Mon 7/31/23</b>	<b>Tue 3/28/23</b>	<b>Mon 7/31/23</b>	<b>Tue 3/28/23</b>	<b>Mon 7/31/23</b>		
65	Receive Vaults and Conduits from Utilities	10 d	0 d	0 d	Tue 3/28/23	Mon 6/5/23	Tue 3/28/23	Mon 6/5/23	Tue 3/28/23	Mon 6/5/23	5,28	Utilities
66	Install Vaults	3.5 d	0 d	0 d	Thu 5/11/23	Wed 6/7/23	Thu 5/11/23	Wed 6/7/23	Thu 5/11/23	Wed 6/7/23	65,74,42	Pivetta - JUT
67	Install Conduits	0 d	0 d	0 d	Mon 6/12/23	Mon 6/12/23	Mon 6/12/23	Mon 6/12/23	Mon 6/12/23	Mon 6/12/23	66	Pivetta - JUT/Golden Gate/PSE - Ga
68	<b>JUT - Night/Stage 2 - Hertz/Lyft to Taco Time - Sta 14+21.6 to 18+40</b>	<b>104 d</b>	<b>0 d</b>	<b>0 d</b>	<b>Tue 3/28/23</b>	<b>Wed 8/23/23</b>	<b>Tue 3/28/23</b>	<b>Wed 8/23/23</b>	<b>Tue 3/28/23</b>	<b>Wed 8/23/23</b>		
69	Receive Vaults and Conduits from Utilities	6 d	0 d	0 d	Tue 3/28/23	Tue 5/30/23	Tue 3/28/23	Tue 5/30/23	Tue 3/28/23	Tue 5/30/23	28	Utilities
70	Install Vaults	2 d	0 d	0 d	Tue 8/1/23	Mon 7/31/23	Tue 8/1/23	Mon 7/31/23	Tue 8/1/23	Mon 7/31/23	69	Pivetta - JUT/Golden Gate/PSE - Ga
71	Install Conduits	8 d	0 d	0 d	Mon 8/14/23	Wed 8/23/23	Mon 8/14/23	Wed 8/23/23	Mon 8/14/23	Wed 8/23/23	75,70	Pivetta - JUT/Golden Gate/PSE - Ga
72	<b>JUT - Night/Crossing - Watson Sec to Taco Time, Across 2nd St., Vacant to Metro PCS - Sta 18+40 to 20+10</b>	<b>108 d</b>	<b>0 d</b>	<b>0 d</b>	<b>Tue 3/28/23</b>	<b>Tue 8/29/23</b>	<b>Tue 3/28/23</b>	<b>Tue 8/29/23</b>	<b>Tue 3/28/23</b>	<b>Tue 8/29/23</b>		
73	Receive Vaults and Conduits from Utilities	10 d	0 d	0 d	Tue 3/28/23	Mon 6/5/23	Tue 3/28/23	Mon 6/5/23	Tue 3/28/23	Mon 6/5/23	28	Utilities
74	Install Vaults	12 d	0 d	0 d	Tue 6/20/23	Fri 7/7/23	Tue 6/20/23	Fri 7/7/23	Tue 6/20/23	Fri 7/7/23	73,42	Pivetta - JUT
75	Install Conduits	21 d	0 d	0 d	Tue 8/1/23	Tue 8/29/23	Tue 8/1/23	Tue 8/29/23	Tue 8/1/23	Tue 8/29/23	73,74,67	Pivetta - JUT/Golden Gate/PSE - Ga



ID	Task Name	Duration	Total Slack	Free Slack	Actual Start	Actual Finish	Early Start	Early Finish	Late Start	Late Finish	Predecessors	Text2
76	JUT - Night/Stage 2 - Vacant to Formula 1 Fast Lube - Sta 20+10 to 25+20	112 d	0 d	0 d	Tue 3/28/23	Tue 9/5/23	Tue 3/28/23	Tue 9/5/23	Tue 3/28/23	Tue 9/5/23		
77	Remove/Relocate Bus Shelter - Sta 24+59.90	4 d	0 d	0 d	Mon 6/12/23	Thu 6/15/23	Mon 6/12/23	Thu 6/15/23	Mon 6/12/23	Thu 6/15/23	5	Pivetta - JUT
78	Receive Vaults and Conduits from Utilities	1 d	0 d	0 d	Tue 3/28/23	Wed 6/21/23	Tue 3/28/23	Wed 6/21/23	Tue 3/28/23	Wed 6/21/23	28	Utilities
79	Install Vaults	4 d	0 d	0 d	Wed 8/30/23	Tue 9/5/23	Wed 8/30/23	Tue 9/5/23	Wed 8/30/23	Tue 9/5/23	78,77,70	
80	Install Conduits	0 d	0 d	0 d	Wed 8/30/23	Tue 9/5/23	Wed 8/30/23	Tue 9/5/23	Wed 8/30/23	Tue 9/5/23	79	Pivetta - JUT/Golden Gate/PSE - Gas
81	JUT - Big Island Poke to Watson Security (Sections B, C, F, D, R, K, M, JJ, DD, LL, E, G, H, Z) - Sta 19+00 to 24+80	155 d	0 d	0 d	Tue 3/28/23	Fri 11/3/23	Tue 3/28/23	Fri 11/3/23	Tue 3/28/23	Fri 11/3/23		
82	Receive Vaults and Conduits from Utilities	1 d	0 d	0 d	Tue 3/28/23	Wed 6/21/23	Tue 3/28/23	Wed 6/21/23	Tue 3/28/23	Wed 6/21/23	28	Utilities
83	Install Vaults (J07 Installed Last with RFI-072)	0 d	0 d	0 d	Mon 5/15/23	Mon 7/17/23	Mon 5/15/23	Mon 7/17/23	Mon 5/15/23	Mon 7/17/23	82,65,79	Pivetta - JUT
84	Install Conduits	23 d	0 d	0 d	Mon 9/11/23	Fri 11/3/23	Mon 9/11/23	Fri 11/3/23	Mon 9/11/23	Fri 11/3/23	82,83,275,67,71,80	Pivetta - JUT/Golden Gate/PSE - Gas
85	JUT - Night/Power Crossting - Sta 23+80	3 d	461 d	461 d	NA	NA	Mon 10/2/23	Wed 10/4/23	Mon 8/18/25	Wed 8/20/25		
86	Install Conduits (Deleted Per FD)	3 d	461 d	461 d	NA	NA	Mon 10/2/23	Wed 10/4/23	Mon 8/18/25	Wed 8/20/25		
87	JUT - Watson Security to Renton Ave. Ext (NO PSE Gas) - Sta 24+80 to 31+90	166 d	25 d	25 d	Tue 3/28/23	NA	Tue 3/28/23	Tue 11/21/23	Tue 3/28/23	Fri 1/5/24		
88	Receive Vaults and Conduits from Utilities	1 d	0 d	0 d	Tue 3/28/23	Wed 6/21/23	Tue 3/28/23	Wed 6/21/23	Tue 3/28/23	Wed 6/21/23	28	Utilities
89	Install Vaults	12 d	0 d	0 d	Tue 5/23/23	Tue 10/17/23	Tue 5/23/23	Tue 10/17/23	Tue 5/23/23	Tue 10/17/23	88,83,43	Pivetta - JUT
90	Install Conduits	9 d	0 d	0 d	NA	NA	Mon 11/6/23	Fri 11/17/23	Mon 11/6/23	Fri 11/17/23	89,84	Pivetta - JUT/Golden Gate/PSE - Gas
91	PSE Pole Removal and Installation - S. Tobin St. - Sta 501+51.37	2 d	25 d	25 d	NA	NA	Mon 11/20/23	Tue 11/21/23	Thu 1/4/24	Fri 1/5/24	90	PSE - Electric
92	JUT - Night/Power Crossing - Tobin St, Sta 28+75 and 30+28	4 d	0 d	0 d	NA	NA	Mon 11/20/23	Mon 11/27/23	Mon 11/20/23	Mon 11/27/23		
93	Install Conduits	4 d	0 d	0 d	NA	NA	Mon 11/20/23	Mon 11/27/23	Mon 11/20/23	Mon 11/27/23	90	Pivetta - JUT/Golden Gate/PSE - Gas
94	JUT - Night/Crossing Renton Ave Ext - Sta 31+90 to 33+00	173 d	0 d	0 d	Tue 3/28/23	NA	Tue 3/28/23	Mon 12/4/23	Tue 3/28/23	Mon 12/4/23		
95	Receive Vaults and Conduits from Utilities	1 d	0 d	0 d	Tue 3/28/23	Wed 6/21/23	Tue 3/28/23	Wed 6/21/23	Tue 3/28/23	Wed 6/21/23	28	Utilities
96	Install Vaults	4 d	34 d	0 d	NA	NA	Mon 10/2/23	Thu 10/5/23	Mon 11/20/23	Mon 11/27/23	95,62	Pivetta - JUT
97	Install Conduits	5 d	0 d	0 d	NA	NA	Tue 11/28/23	Mon 12/4/23	Mon 12/4/23	Mon 12/4/23	93,95,96	Pivetta - JUT/Golden Gate/PSE - Gas
98	JUT - Arco to Gerber Collision- Section P, U, V, W (No PSE Gas) - Sta 33+00 to 42+85	185 d	0 d	0 d	Tue 3/28/23	NA	Tue 3/28/23	Wed 12/20/23	Tue 3/28/23	Wed 12/20/23		
99	Receive Vaults and Conduits from Utilities	1 d	0 d	0 d	Tue 3/28/23	Wed 6/21/23	Tue 3/28/23	Wed 6/21/23	Tue 3/28/23	Wed 6/21/23	28	Utilities
100	Install Vaults	15 d	16 d	0 d	NA	NA	Wed 10/18/23	Tue 11/7/23	Thu 11/9/23	Mon 12/4/23	89,99,38	Pivetta - JUT
101	Install Conduits	12 d	0 d	0 d	NA	NA	Tue 12/5/23	Wed 12/20/23	Tue 12/5/23	Wed 12/20/23	99,100,97	Pivetta - JUT/Golden Gate/PSE - Gas
102	JUT - Night/Crossings - Sta 33+77, 36+17, 40+43	191 d	0 d	0 d	Tue 3/28/23	NA	Tue 3/28/23	Fri 1/5/24	Tue 3/28/23	Fri 1/5/24		
103	Receive Vaults and Conduits from Utility Owner	1 d	0 d	0 d	Tue 3/28/23	Wed 6/21/23	Tue 3/28/23	Wed 6/21/23	Tue 3/28/23	Wed 6/21/23	28	Utilities
104	Install Vaults	1 d	42 d	42 d	NA	NA	Wed 10/18/23	Wed 10/18/23	Wed 12/20/23	Wed 12/20/23	100SS,96,103	Pivetta - JUT
105	Install Conduit	6 d	0 d	0 d	NA	NA	Thu 12/21/23	Fri 1/5/24	Thu 12/21/23	Fri 1/5/24	104,101	Pivetta - JUT/Golden Gate/PSE - Gas
106	JUT - Utility Owner Work, Removals, Grounding/Bonding 15+25 to 42+85	121 d	57 d	57 d	NA	NA	Mon 10/2/23	Tue 4/2/24	Mon 1/8/24	Mon 6/24/24		
107	Lumen/CenturyLink to Begin Work South of Victoria Street	0 d	27 d	27 d	NA	NA	Fri 11/17/23	Fri 11/17/23	Mon 1/8/24	Mon 1/8/24	90	
108	PSE Gas - Install 1-6" Gas Line & Connections to Main JUT across Rainier (Ends at HH/II in SW Victoria)	60 d	100 d	0 d	NA	NA	Mon 10/2/23	Thu 1/4/24	Tue 3/5/24	Tue 5/28/24	67SS	PSE - Gas
109	Rem/Abandon Existing PSE Gas Main	60 d	118 d	118 d	NA	NA	Mon 10/2/23	Thu 1/4/24	Fri 3/29/24	Mon 6/24/24	108SS	PSE - Gas
110	PSE - Pull Wire (Power and Fiber) and Complete Connections	60 d	0 d	0 d	NA	NA	Mon 1/8/24	Tue 4/2/24	Mon 1/8/24	Tue 4/2/24	91,105,104	Utilities
111	PSE - Install Transformers - V02A, V0X, V15A, V16A	60 d	0 d	0 d	NA	NA	Mon 1/8/24	Tue 4/2/24	Mon 1/8/24	Tue 4/2/24	110SS	PSE - Electric
112	Lumen/Centurylink - Pull Wire and Complete Connections Project Wide	60 d	0 d	0 d	NA	NA	Mon 1/8/24	Tue 4/2/24	Mon 1/8/24	Tue 4/2/24	110SS,104,105,107	Centurylink
113	Comcast - Pull Wire and Complete Connections	60 d	0 d	0 d	NA	NA	Mon 1/8/24	Tue 4/2/24	Mon 1/8/24	Tue 4/2/24	112SS,104,105	Comcast
114	Remove Existing Vaults, Pedestals, and Risers	60 d	0 d	0 d	NA	NA	Mon 1/8/24	Tue 4/2/24	Mon 1/8/24	Tue 4/2/24	111SS,112SS,113SS	Utilities
115	5G Small Cell Network Conduit System - Sta 14+65 to 41+55	23 d	152 d	152 d	NA	NA	Mon 10/2/23	Wed 11/1/23	Thu 5/16/24	Tue 6/18/24		
116	Trench and Conduit	21 d	152 d	0 d	NA	NA	Mon 10/2/23	Mon 10/30/23	Thu 5/16/24	Fri 6/14/24	67SS	Golden Gate
117	Boxes	2 d	152 d	152 d	NA	NA	Tue 10/31/23	Wed 11/1/23	Mon 6/17/24	Tue 6/18/24	116	Golden Gate
118	Water Line/Night - Sta 14+02 to 42+14.5	186 d	406 d	406 d	Thu 3/30/23	NA	Thu 3/30/23	Tue 1/2/24	Thu 3/30/23	Wed 8/20/25		
119	Stage 1 Bypass, Cut and Cap	117 d	463 d	463 d	Mon 4/17/23	NA	Mon 4/17/23	Mon 10/2/23	Mon 4/17/23	Wed 8/20/25		
120	Cut and Cap Existing Waterline - Sta 15+55	4 d	0 d	0 d	Mon 4/17/23	Thu 4/20/23	Mon 4/17/23	Thu 4/20/23	Mon 4/17/23	Thu 4/20/23	42	Pivetta - Water/City of Renton Wat
121	Cut and Cap Existing Waterline - Taco Time to Buddy's Home Furnishings - Sta 18+20 to 21+00	0 d	0 d	0 d	Mon 4/17/23	Thu 4/20/23	Mon 4/17/23	Thu 4/20/23	Mon 4/17/23	Thu 4/20/23	120,42	Pivetta - Water/City of Renton Wat
122	Cut and Cap Existing Waterline - SW Victoria - Sta 25+00 (Deleted - Work Not Required)	1 d	463 d	463 d	NA	NA	Mon 10/2/23	Mon 10/2/23	Wed 8/20/25	Wed 8/20/25		Pivetta - Water/City of Renton Wat
123	Cut and Cap Waterline - S. Tobin St. - Sta 28+60 (Deleted - Work Not Required)	1 d	463 d	463 d	NA	NA	Mon 10/2/23	Mon 10/2/23	Wed 8/20/25	Wed 8/20/25		Pivetta - Water/City of Renton Wat
124	Water Line - Stage 1 - Sta 14+02.2 to 42+06.9 Rainier Ave, Sta 30+74.5 to 602+87.44 Airport Way	126 d	443 d	443 d	Tue 5/2/23	NA	Tue 5/2/23	Mon 10/30/23	Tue 5/2/23	Wed 8/20/25		
125	Install Water Line and Appurtenances	28 d	0 d	0 d	Tue 5/2/23	Mon 10/30/23	Tue 5/2/23	Mon 10/30/23	Tue 5/2/23	Mon 10/30/23	62,121	Pivetta - Water
126	FRPCS Concrete DMB (Deleted - Work Occurring with Water Line Install)	15 d	449 d	449 d	NA	NA	Mon 10/2/23	Fri 10/20/23	Thu 7/31/25	Wed 8/20/25		
127	Pressure Testing, Polypig, Disinfect Water Line	88 d	0 d	0 d	Wed 6/21/23	Tue 10/24/23	Wed 6/21/23	Tue 10/24/23	Wed 6/21/23	Tue 10/24/23	125	Pivetta - Water
128	Install Water Line Services and Meters	0 d	0 d	0 d	Thu 6/1/23	Wed 8/23/23	Thu 6/1/23	Wed 8/23/23	Thu 6/1/23	Wed 8/23/23	127	Pivetta - Water
129	Install Hydrants	8 d	82 d	0 d	Thu 6/1/23	NA	Thu 6/1/23	Wed 10/11/23	Thu 6/1/23	Fri 2/16/24	128	Pivetta - Water
130	Abandon/Remove Existing Water Line	2 d	82 d	51 d	NA	NA	Thu 10/12/23	Fri 10/13/23	Tue 2/20/24	Wed 2/21/24	129	Pivetta - Water
131	Water Line - Crossing - Taco Time to S. 2nd St. - Sta 18+49.0 & 18+49.0 to 19+31.9	163 d	356 d	356 d	Thu 3/30/23	NA	Thu 3/30/23	Mon 11/20/23	Thu 3/30/23	Tue 5/6/25		
132	Install Water Line and Appurtenances	2 d	0 d	0 d	Thu 5/11/23	Tue 5/23/23	Thu 5/11/23	Tue 5/23/23	Thu 5/11/23	Tue 5/23/23	125SS+5 d	Pivetta - Water
133	Cathodic Protection Submittal (Submittal #81, RAM 055)	0 d	0 d	0 d	Thu 3/30/23	Tue 5/16/23	Thu 3/30/23	Tue 5/16/23	Thu 3/30/23	Tue 5/16/23		
134	Test Station Changes (PCO-019 for RFI-70 and RFI-085 Changes)	10 d	356 d	0 d	Thu 7/13/23	NA	Thu 7/13/23	Fri 10/13/23	Mon 4/1/25			
135	Procure Cathodic Protection	20 d	356 d	0 d	NA	NA	Mon 10/16/23	Mon 11/13/23	Wed 4/2/25	Tue 4/29/25	133,134	
136	Install Cathodic Protection over SPU Lines	5 d	356 d	318 d	NA	NA	Tue 11/14/23	Mon 11/20/23	Wed 4/30/25	Tue 5/6/25	132,135	Pivetta - Water
137	Stage 2, Bypass, Cut and Cap	126 d	454 d	454 d	Mon 4/17/23	NA	Mon 4/17/23	Fri 10/13/23	Mon 4/17/23	Wed 8/20/25		
138	Install Water Bypass - Hertz/Lyft to Wendy's - Sta 15+55 to 16+40 (Performed with Stage 1)	0 d	0 d	0 d	Mon 4/17/23	Tue 4/18/23	Mon 4/17/23	Tue 4/18/23	Mon 4/17/23	Tue 4/18/23	128,132,130	Pivetta - Water
139	Install Water Bypass - Taco Time - Sta 18+25 to 18+50 (Deleted - Work Not Required)	1 d	463 d	463 d	NA	NA	Mon 10/2/23	Mon 10/2/23	Wed 8/20/25	Wed 8/20/25		
140	Install Water Bypass - Buddy's Home Furnishing to Royal Orchid - Sta 21+00 to 24+80	5 d	120 d	0 d	Thu 10/5/23	NA	Thu 10/5/23	Wed 10/11/23	Thu 10/5/23	Thu 4/11/24	128	Pivetta - Water
141	Cut and Cap - Chevron to S. Tobin Crossing - Sta 28+75 (Not Required)	1 d	120 d	0 d	NA	NA	Thu 10/12/23	Thu 10/12/23	Fri 4/12/24	Fri 4/12/24	140	Pivetta - Water
142	Cut and Cap Existing Water Line - McDonalds to Arco - Sta 30+60 to 34+10 (Not Required)	1 d	120 d	0 d	NA	NA	Fri 10/13/23	Fri 10/13/23	Mon 4/15/24	Mon 4/15/24	141	Pivetta - Water
143	Water Line - Stage 2 - S. 3rd St. - Sta 203+40 to NW 3rd Pl - Sta 699+16.40	38 d	120 d	120 d	NA	NA	Mon 10/16/23	Mon 12/11/23	Tue 4/16/24	Fri 6/7/24		
144	Install Water Line and Appurtenances	13 d	120 d	0 d	NA	NA	Mon 10/16/23	Wed 11/1/23	Tue 4/16/24	Thu 5/2/24	142,138	Pivetta - Water
145	FRPCS Concrete DMB	5 d	120 d	0 d	NA	NA	Thu 11/2/23	Wed 11/8/23	Thu 5/3/24	Thu 5/9/24	144	Pivetta - Water
146	Install Polypig Station	4 d	120 d	0 d	NA	NA	Thu 11/9/23	Wed 11/15/23	Fri 5/10/24	Wed 5/15/24	145	Pivetta - Water
147	Pressure Testing, Polypig, Disinfect Water Line	1 d	120 d	0 d	NA	NA	Thu 11/16/23	Thu 11/16/23	Thu 5/16/24	Thu 5/16/24	146	Pivetta - Water
148	Install Water Line Services and Meters	6 d	120 d	0 d	NA	NA	Fri 11/17/23	Tue 11/28/23	Fri 5/17/24	Fri 5/24/24	147	Pivetta - Water
149	Install Hydrants	4 d	120 d	0 d	NA	NA	Wed 11/29/23	Mon 12/4/23	Tue 5/28/24	Fri 5/31/24	148	Pivetta - Water
150	Abandon/Remove Existing Water Line	5 d	120 d	0 d	NA	NA	Tue 12/5/23	Mon 12/11/23	Mon 6/3/24	Fri 6/7/24	149	Pivetta - Water
151	Stage 3 Bypass, Cut and Cap											



ID	Task Name	Duration	Total Slack	Free Slack	Actual Start	Actual Finish	Early Start	Early Finish	Late Start	Late Finish	Predecessors	Text2	2023	2024	2025	2026
152	Cut and Cap - Formula 1 Fast Lube to S. Tobin St. - Sta 25+65 to 28+65	3 d	120 d	0 d	NA	NA	Tue 12/12/23	Thu 12/14/23	Mon 6/10/24	Wed 6/12/24	148,150	Pivetta - Water/City of Renton Wat				
153	<b>Water Line - Stage 3 - S. Tobin St. - Sta 28+58.6 to 28+61.6</b>	<b>7 d</b>	<b>120 d</b>	<b>0 d</b>	<b>NA</b>	<b>NA</b>	<b>Fri 12/15/23</b>	<b>Tue 1/2/24</b>	<b>Mon 6/13/24</b>	<b>Mon 6/24/24</b>						
154	Install Water Line and Appurtenances	2 d	120 d	0 d	NA	NA	Fri 12/15/23	Mon 12/18/23	Thu 6/13/24	Fri 6/14/24	152,44	Pivetta - Water				
155	Pressure Testing, Polypig, Disinfect Water Line	2 d	120 d	0 d	NA	NA	Tue 12/19/23	Wed 12/20/23	Mon 6/17/24	Tue 6/18/24	154	Pivetta - Water				
156	Install Water Line Services and Meters	1 d	120 d	0 d	NA	NA	Thu 12/21/23	Thu 12/21/23	Thu 6/20/24	Thu 6/20/24	155	Pivetta - Water				
157	Install Hydrants	1 d	120 d	0 d	NA	NA	Fri 12/22/23	Fri 12/22/23	Fri 6/21/24	Fri 6/21/24	156	Pivetta - Water				
158	Abandon/Remove Existing Water Line and Bypass	1 d	120 d	120 d	NA	NA	Tue 1/2/24	Tue 1/2/24	Mon 6/24/24	Mon 6/24/24	157	Pivetta - Water				
159	<b>Sewer - Sta 15+49.20 to 42+77.80</b>	<b>57 d</b>	<b>31 d</b>	<b>31 d</b>	<b>NA</b>	<b>NA</b>	<b>Mon 1/8/24</b>	<b>Thu 3/28/24</b>	<b>Thu 2/22/24</b>	<b>Tue 9/10/24</b>						
160	<b>Sewer - Night (Walgreens to Sansonina) - Sta 15+49.20 to 18+26.81</b>	<b>7 d</b>	<b>31 d</b>	<b>31 d</b>	<b>NA</b>	<b>NA</b>	<b>Mon 1/8/24</b>	<b>Wed 1/17/24</b>	<b>Thu 2/22/24</b>	<b>Fri 3/1/24</b>						
161	Remove/Replace Manholes and Install Sewer	5 d	31 d	0 d	NA	NA	Mon 1/8/24	Fri 1/12/24	Thu 2/22/24	Wed 2/28/24	130,105,39	Pivetta - Sewer				
162	Install New Side Sewer	2 d	31 d	0 d	NA	NA	Tue 1/16/24	Wed 1/17/24	Thu 2/29/24	Fri 3/1/24	161	Pivetta - Sewer				
163	<b>Sewer (Big Island Poke to Hayes PI SW) - Sta 19+63.58 to 25+43.57</b>	<b>5 d</b>	<b>31 d</b>	<b>31 d</b>	<b>NA</b>	<b>NA</b>	<b>Thu 1/18/24</b>	<b>Wed 1/24/24</b>	<b>Mon 3/4/24</b>	<b>Fri 3/8/24</b>						
164	Remove/Replace Manholes	5 d	31 d	0 d	NA	NA	Thu 1/18/24	Wed 1/24/24	Mon 3/4/24	Fri 3/8/24	162	Pivetta - Sewer				
165	<b>S. 2nd St. - Sta 19+64.16</b>	<b>3 d</b>	<b>31 d</b>	<b>31 d</b>	<b>NA</b>	<b>NA</b>	<b>Thu 1/25/24</b>	<b>Mon 1/29/24</b>	<b>Mon 3/11/24</b>	<b>Wed 3/13/24</b>						
166	Install Sewer and Manholes	3 d	31 d	0 d	NA	NA	Thu 1/25/24	Mon 1/29/24	Mon 3/11/24	Wed 3/13/24	164	Pivetta - Sewer				
167	<b>Sewer (Chevron to Advance Auto Tune) - Sta 28+55.98 to 42+77.80</b>	<b>10 d</b>	<b>31 d</b>	<b>31 d</b>	<b>NA</b>	<b>NA</b>	<b>Tue 1/30/24</b>	<b>Mon 2/12/24</b>	<b>Thu 3/14/24</b>	<b>Wed 3/27/24</b>						
168	Remove/Replace/Install Manholes	7 d	31 d	0 d	NA	NA	Tue 1/30/24	Wed 2/7/24	Thu 3/14/24	Fri 3/22/24	166	Pivetta - Sewer				
169	Install Sewer	3 d	31 d	0 d	NA	NA	Thu 2/8/24	Mon 2/12/24	Mon 3/25/24	Wed 3/27/24	168	Pivetta - Sewer				
170	<b>Sewer - Night/Side Street - SW Victoria - Sta 24+91.19</b>	<b>1 d</b>	<b>31 d</b>	<b>31 d</b>	<b>NA</b>	<b>NA</b>	<b>Tue 2/13/24</b>	<b>Tue 2/13/24</b>	<b>Thu 3/28/24</b>	<b>Thu 3/28/24</b>						
171	Remove/Replace Manholes	1 d	31 d	0 d	NA	NA	Tue 2/13/24	Tue 2/13/24	Thu 3/28/24	Thu 3/28/24	169	Pivetta - Sewer				
172	<b>Sewer - Night/Side Street - Hayes PI SW - Sta 25+43.57</b>	<b>1 d</b>	<b>31 d</b>	<b>31 d</b>	<b>NA</b>	<b>NA</b>	<b>Wed 2/14/24</b>	<b>Wed 2/14/24</b>	<b>Fri 3/29/24</b>	<b>Fri 3/29/24</b>						
173	Remove/Replace/Install Manholes	1 d	31 d	0 d	NA	NA	Wed 2/14/24	Wed 2/14/24	Fri 3/29/24	Fri 3/29/24	171	Pivetta - Sewer				
174	<b>Sewer - Night/Renton Ave Ext - Sta 32+81.14 to 31+60.06</b>	<b>2 d</b>	<b>31 d</b>	<b>31 d</b>	<b>NA</b>	<b>NA</b>	<b>Thu 2/15/24</b>	<b>Fri 2/16/24</b>	<b>Mon 4/1/24</b>	<b>Tue 4/2/24</b>						
175	Remove/Replace/Install Manholes	1 d	31 d	0 d	NA	NA	Thu 2/15/24	Thu 2/15/24	Mon 4/1/24	Mon 4/1/24	173	Pivetta - Sewer				
176	Install Sewer	1 d	31 d	0 d	NA	NA	Fri 2/16/24	Fri 2/16/24	Tue 4/2/24	Tue 4/2/24	175	Pivetta - Sewer				
177	<b>Install CIPP Lining</b>	<b>28 d</b>	<b>114 d</b>	<b>114 d</b>	<b>NA</b>	<b>NA</b>	<b>Tue 2/20/24</b>	<b>Thu 3/28/24</b>	<b>Thu 8/1/24</b>	<b>Tue 9/10/24</b>	<b>176</b>					
178	Install CIPP Lining (Big Island Poke to Hayes PI SW) - Sta 19+63.58 to 25+43.57	4 d	114 d	0 d	NA	NA	Tue 2/20/24	Fri 2/23/24	Thu 8/1/24	Tue 8/6/24	37,175	Insituform				
179	Install CIPP Lining (Chevron to Advance Auto Tune) - Sta 28+55.98 to 42+77.80	9 d	114 d	0 d	NA	NA	Mon 2/26/24	Thu 3/7/24	Wed 8/7/24	Mon 8/19/24	178,168	Insituform				
180	Install CIPP Lining (SW Victoria) - Sta 24+91.19	5 d	114 d	0 d	NA	NA	Fri 3/8/24	Thu 3/14/24	Tue 8/20/24	Mon 8/26/24	179,171	Insituform				
181	Install CIPP Lining (Hayes PI SW) - Sta 25+43.57	5 d	114 d	0 d	NA	NA	Fri 3/15/24	Thu 3/21/24	Tue 8/27/24	Tue 9/3/24	180,173	Insituform				
182	Install CIPP Lining (Renton Ave Ext) - Sta 32+81.14 to 31+60.06	5 d	114 d	13 d	NA	NA	Fri 3/22/24	Thu 3/28/24	Wed 9/4/24	Tue 9/10/24	175,181	Insituform				
183	<b>Storm Drainage - Sta 15+11.89 to 41+02.35</b>	<b>57 d</b>	<b>0 d</b>	<b>0 d</b>	<b>NA</b>	<b>NA</b>	<b>Wed 4/3/24</b>	<b>Mon 6/24/24</b>	<b>Wed 4/3/24</b>	<b>Wed 8/20/25</b>						
184	<b>Storm Drainage (Walgreens to Sansonina) - Sta 15+11.89 to 17+63.75</b>	<b>12 d</b>	<b>0 d</b>	<b>0 d</b>	<b>NA</b>	<b>NA</b>	<b>Wed 4/3/24</b>	<b>Thu 4/18/24</b>	<b>Wed 4/3/24</b>	<b>Thu 4/18/24</b>						
185	Install Drainage and Catch Basins	10 d	0 d	0 d	NA	NA	Wed 4/3/24	Tue 4/16/24	Wed 4/3/24	Tue 4/16/24	176,114	Pivetta - Storm				
186	<b>Storm Drainage - Night/Crossing - Sta 16+05.52</b>	<b>2 d</b>	<b>0 d</b>	<b>0 d</b>	<b>NA</b>	<b>NA</b>	<b>Wed 4/17/24</b>	<b>Thu 4/18/24</b>	<b>Wed 4/17/24</b>	<b>Thu 4/18/24</b>						
187	Install Drainage and Catch Basins	2 d	0 d	0 d	NA	NA	Wed 4/17/24	Thu 4/18/24	Wed 4/17/24	Thu 4/18/24	185	Pivetta - Storm				
188	<b>Storm Drainage (Big Island Poke to Watson Security) - Sta 18+54.92 to 23+32.67</b>	<b>24 d</b>	<b>0 d</b>	<b>0 d</b>	<b>NA</b>	<b>NA</b>	<b>Fri 4/19/24</b>	<b>Wed 5/22/24</b>	<b>Fri 4/19/24</b>	<b>Wed 8/20/25</b>						
189	Install Drainage and Catch Basins	13 d	0 d	0 d	NA	NA	Fri 4/19/24	Tue 5/7/24	Fri 4/19/24	Tue 5/7/24	187	Pivetta - Storm				
190	<b>Storm Drainage - S. 2nd St. - Night/Crossings, Stage 2 and 3 Work - Sta 19+07.53 to 22+07.86</b>	<b>11 d</b>	<b>0 d</b>	<b>0 d</b>	<b>NA</b>	<b>NA</b>	<b>Wed 5/8/24</b>	<b>Wed 5/22/24</b>	<b>Wed 5/8/24</b>	<b>Wed 8/20/25</b>						
191	Install Drainage and Catch Basins	10 d	0 d	0 d	NA	NA	Wed 5/8/24	Tue 5/21/24	Wed 5/8/24	Tue 5/21/24	187,189	Pivetta - Storm				
192	Install Filterra Unit	1 d	307 d	307 d	NA	NA	Wed 5/22/24	Wed 5/22/24	Wed 8/20/25	Wed 8/20/25	191	Pivetta - Storm				
193	<b>Storm Drainage - SW Victoria St. to Brown Bear Car Wash- Night/Crossing - Sta 24+70.79 to 26+65.08</b>	<b>8 d</b>	<b>0 d</b>	<b>0 d</b>	<b>NA</b>	<b>NA</b>	<b>Wed 5/22/24</b>	<b>Mon 6/3/24</b>	<b>Wed 5/22/24</b>	<b>Mon 6/3/24</b>						
194	Install Drainage and Catch Basins	8 d	0 d	0 d	NA	NA	Wed 5/22/24	Mon 6/3/24	Wed 5/22/24	Mon 6/3/24	191,114	Pivetta - Storm				
195	<b>Storm Drainage Brown Bear to Renton Laundry - Sta 26+65.08 to 35+53.35</b>	<b>29 d</b>	<b>14 d</b>	<b>14 d</b>	<b>NA</b>	<b>NA</b>	<b>Wed 5/8/24</b>	<b>Tue 6/18/24</b>	<b>Wed 5/29/24</b>	<b>Tue 7/1/25</b>						
196	Install Drainage and Catch Basins	11 d	14 d	0 d	NA	NA	Wed 5/8/24	Wed 5/22/24	Wed 5/29/24	Wed 6/12/24	189,108,110,111,112,113	Pivetta - Storm				
197	Install Filterra Units	3 d	269 d	0 d	NA	NA	Thu 5/23/24	Tue 5/28/24	Fri 6/27/25	Tue 7/1/25	196	Pivetta - Storm				
198	<b>Storm Drainage - Renton Ave Ext - Night/Crossing - Sta 31+39.02 to 33+02.08</b>	<b>11 d</b>	<b>0 d</b>	<b>0 d</b>	<b>NA</b>	<b>NA</b>	<b>Tue 6/4/24</b>	<b>Tue 6/18/24</b>	<b>Tue 6/4/24</b>	<b>Tue 6/18/24</b>						
199	Install Drainage and Catch Basins	11 d	0 d	0 d	NA	NA	Tue 6/4/24	Tue 6/18/24	Tue 6/4/24	Tue 6/18/24	194,108,110,111,112,113	Pivetta - Storm				
200	<b>Storm Drainage Mathewson's Automotive to Judo Boxing - Sta 37+84.90 to 41+02.35</b>	<b>4 d</b>	<b>14 d</b>	<b>14 d</b>	<b>NA</b>	<b>NA</b>	<b>Thu 5/23/24</b>	<b>Wed 5/29/24</b>	<b>Thu 6/13/24</b>	<b>Tue 6/18/24</b>						
201	Install Drainage and Catch Basins	4 d	14 d	14 d	NA	NA	Thu 5/23/24	Wed 5/29/24	Thu 6/13/24	Tue 6/18/24	196	Pivetta - Storm				
202	<b>Storm Drainage - NW 3rd Pl - Night/Crossing - Sta 40+68.75 to 41+02.35</b>	<b>3 d</b>	<b>0 d</b>	<b>0 d</b>	<b>NA</b>	<b>NA</b>	<b>Thu 6/20/24</b>	<b>Mon 6/24/24</b>	<b>Thu 6/20/24</b>	<b>Mon 6/24/24</b>						
203	Install Drainage and Catch Basins	3 d	0 d	0 d	NA	NA	Thu 6/20/24	Mon 6/24/24	Thu 6/20/24	Mon 6/24/24	201,199,117	Pivetta - Storm				
204	<b>Decorative Illumination System - Sta 14+89 to 41+55</b>	<b>168 d</b>	<b>0 d</b>	<b>0 d</b>	<b>NA</b>	<b>NA</b>	<b>Mon 1/8/24</b>	<b>Thu 9/5/24</b>	<b>Mon 3/25/24</b>	<b>Thu 9/5/24</b>						
205	<b>Below Grade</b>	<b>42 d</b>	<b>53 d</b>	<b>53 d</b>	<b>NA</b>	<b>NA</b>	<b>Mon 1/8/24</b>	<b>Thu 3/7/24</b>	<b>Mon 3/25/24</b>	<b>Mon 6/24/24</b>						
206	Trench and Conduit	23 d	53 d	0 d	NA	NA	Mon 1/8/24	Thu 2/8/24	Mon 3/25/24	Wed 4/24/24	105	Golden Gate				
207	Foundations	24 d	75 d	0 d	NA	NA	Mon 1/8/24	Fri 2/9/24	Wed 4/24/24	Tue 5/28/24	61,206SS	Golden Gate				
208	Junction Boxes	18 d	75 d	0 d	NA	NA	Mon 2/12/24	Thu 3/7/24	Wed 5/29/24	Mon 6/24/24	207,104	Golden Gate				
209	Service Installation	10 d	99 d	99 d	NA	NA	Tue 2/27/24	Mon 3/11/24	Thu 7/18/24	Wed 7/31/24	208SS+10 d	Golden Gate/PSE - Electric				
210	<b>Above Ground</b>	<b>163 d</b>	<b>0 d</b>	<b>0 d</b>	<b>NA</b>	<b>NA</b>	<b>Tue 1/16/24</b>	<b>Thu 9/5/24</b>	<b>Fri 5/31/24</b>	<b>Thu 9/5/24</b>						
211	Install Lighting Wiring	20 d	0 d	0 d	NA	NA	Thu 8/1/24	Wed 8/28/24	Thu 8/1/24	Wed 8/28/24	208,209,322	Golden Gate				
212	Set Poles	62 d	96 d	96 d	NA	NA	Tue 1/16/24	Thu 4/11/24	Fri 5/31/24	Wed 8/28/24	207SS+5 d	Golden Gate				
213	Test and Turn On	2 d	0 d	0 d	NA	NA	Thu 8/29/24	Fri 8/30/24	Thu 8/29/24	Fri 8/30/24	212,211	Golden Gate				
214	Remove and Salvage Old Poles&Wiring	3 d	0 d	0 d	NA	NA	Tue 9/3/24	Thu 9/5/24	Thu 9/3/24	Thu 9/5/24	213	Golden Gate				
215	<b>Signalization - Sta 14+10 to 40+40</b>	<b>193 d</b>	<b>53 d</b>	<b>53 d</b>	<b>NA</b>	<b>NA</b>	<b>Fri 2/9/24</b>	<b>Wed 11/13/24</b>	<b>Thu 4/25/24</b>	<b>Wed 8/20/25</b>						
216																





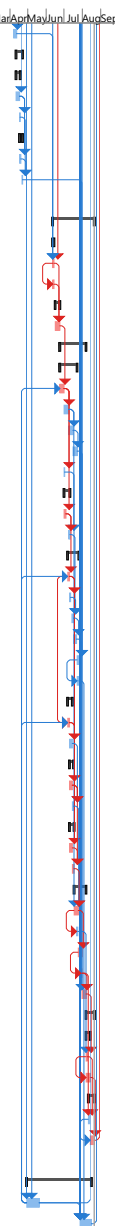
ID	Task Name	Duration	Total Slack	Free Slack	Actual Start	Actual Finish	Early Start	Early Finish	Late Start	Late Finish	Predecessors	Text2	2023	2024	2025	2026
229	Conduit Underground	5 d	53 d	0 d	NA	NA	Thu 2/22/24	Wed 2/28/24	Tue 5/7/24	Mon 5/13/24	220	Golden Gate				
230	Road Crossings	3 d	53 d	0 d	NA	NA	Thu 2/29/24	Mon 3/4/24	Tue 5/14/24	Thu 5/16/24	229	Golden Gate				
231	Install Boxes	2 d	53 d	0 d	NA	NA	Tue 3/5/24	Wed 3/6/24	Fri 5/17/24	Mon 5/20/24	230	Golden Gate				
232	Service Installation	1 d	139 d	139 d	NA	NA	Thu 3/7/24	Thu 3/7/24	Tue 9/24/24	Tue 9/24/24	231	Golden Gate/PSE - Electric				
233	<b>Above Ground</b>	<b>10 d</b>	<b>0 d</b>	<b>0 d</b>	<b>NA</b>	<b>NA</b>	<b>Wed 9/25/24</b>	<b>Tue 10/8/24</b>	<b>Wed 9/25/24</b>	<b>Tue 10/8/24</b>						
234	Pull Cable	2 d	0 d	0 d	NA	NA	Wed 9/25/24	Thu 9/26/24	Wed 9/25/24	Thu 9/26/24	225,232	Golden Gate				
235	Build Traffic Signal System	8 d	0 d	0 d	NA	NA	Fri 9/27/24	Tue 10/8/24	Fri 9/27/24	Tue 10/8/24	234	Golden Gate				
236	<b>Pedestrian Signal Rainier &amp; SW Victoria</b>	<b>180 d</b>	<b>64 d</b>	<b>64 d</b>	<b>NA</b>	<b>NA</b>	<b>Wed 2/21/24</b>	<b>Mon 11/4/24</b>	<b>Tue 5/21/24</b>	<b>Tue 8/12/25</b>						
237	<b>Below Grade</b>	<b>15 d</b>	<b>64 d</b>	<b>64 d</b>	<b>NA</b>	<b>NA</b>	<b>Wed 2/21/24</b>	<b>Tue 3/12/24</b>	<b>Tue 5/21/24</b>	<b>Fri 9/27/24</b>						
238	Foundations	1 d	153 d	0 d	NA	NA	Wed 2/21/24	Wed 2/21/24	Fri 9/27/24	Fri 9/27/24	228	Golden Gate				
239	Conduit Underground	2 d	53 d	0 d	NA	NA	Thu 3/7/24	Fri 3/8/24	Tue 5/21/24	Wed 5/22/24	231	Golden Gate				
240	Road Crossings	1 d	53 d	0 d	NA	NA	Mon 3/11/24	Mon 3/11/24	Thu 5/23/24	Thu 5/23/24	239	Golden Gate				
241	Install Boxes	1 d	53 d	0 d	NA	NA	Tue 3/12/24	Tue 3/12/24	Fri 5/24/24	Fri 5/24/24	240	Golden Gate				
242	Service Installation	1 d	345 d	158 d	NA	NA	Wed 3/13/24	Wed 3/13/24	Mon 8/4/25	Mon 8/4/25	241	Golden Gate/PSE - Electric				
243	<b>Above Ground</b>	<b>6 d</b>	<b>187 d</b>	<b>187 d</b>	<b>NA</b>	<b>NA</b>	<b>Mon 10/28/24</b>	<b>Mon 11/4/24</b>	<b>Tue 8/5/25</b>	<b>Tue 8/12/25</b>						
244	Pull cable	2 d	187 d	0 d	NA	NA	Mon 10/28/24	Tue 10/29/24	Tue 8/5/25	Wed 8/6/25	235,242,255	Golden Gate				
245	Build Traffic Signal System	4 d	187 d	0 d	NA	NA	Wed 10/30/24	Mon 11/4/24	Thu 8/7/25	Tue 8/12/25	244,228	Golden Gate				
246	<b>Traffic Signal Rainier &amp; Renton Ave Ext</b>	<b>173 d</b>	<b>0 d</b>	<b>0 d</b>	<b>NA</b>	<b>NA</b>	<b>Thu 2/22/24</b>	<b>Fri 10/25/24</b>	<b>Tue 5/28/24</b>	<b>Fri 10/25/24</b>						
247	<b>Below Grade</b>	<b>27 d</b>	<b>67 d</b>	<b>67 d</b>	<b>NA</b>	<b>NA</b>	<b>Thu 2/22/24</b>	<b>Fri 3/29/24</b>	<b>Tue 5/28/24</b>	<b>Fri 10/11/24</b>						
248	Foundations	10 d	153 d	0 d	NA	NA	Thu 2/22/24	Wed 3/6/24	Mon 9/30/24	Fri 10/11/24	238	Golden Gate				
249	Conduit Underground	8 d	53 d	0 d	NA	NA	Wed 3/13/24	Fri 3/22/24	Tue 5/28/24	Thu 6/6/24	241	Golden Gate				
250	Road Crossings	3 d	53 d	0 d	NA	NA	Mon 3/25/24	Wed 3/27/24	Fri 6/7/24	Tue 6/11/24	249	Golden Gate				
251	Install Boxes	2 d	53 d	0 d	NA	NA	Thu 3/28/24	Fri 3/29/24	Wed 6/12/24	Thu 6/13/24	250	Golden Gate				
252	Service Installation	1 d	132 d	132 d	NA	NA	Mon 4/1/24	Mon 4/1/24	Tue 10/8/24	Tue 10/8/24	251	Golden Gate/PSE - Electric				
253	<b>Above Ground</b>	<b>13 d</b>	<b>0 d</b>	<b>0 d</b>	<b>NA</b>	<b>NA</b>	<b>Wed 10/9/24</b>	<b>Fri 10/25/24</b>	<b>Wed 10/9/24</b>	<b>Fri 10/25/24</b>						
254	Pull Cable	3 d	0 d	0 d	NA	NA	Wed 10/9/24	Fri 10/11/24	Wed 10/9/24	Fri 10/11/24	252,235	Golden Gate				
255	Build Traffic Signal System	10 d	0 d	0 d	NA	NA	Mon 10/14/24	Fri 10/25/24	Mon 10/14/24	Fri 10/25/24	254,238,248	Golden Gate				
256	<b>Pedestrian Signal Rainier &amp; 3rd Pl</b>	<b>175 d</b>	<b>70 d</b>	<b>70 d</b>	<b>NA</b>	<b>NA</b>	<b>Thu 3/7/24</b>	<b>Wed 11/13/24</b>	<b>Fri 6/14/24</b>	<b>Wed 8/20/25</b>						
257	<b>Below Grade</b>	<b>23 d</b>	<b>70 d</b>	<b>70 d</b>	<b>NA</b>	<b>NA</b>	<b>Thu 3/7/24</b>	<b>Mon 4/8/24</b>	<b>Fri 6/14/24</b>	<b>Wed 8/13/25</b>						
258	Foundations	1 d	356 d	169 d	NA	NA	Thu 3/7/24	Thu 3/7/24	Wed 8/13/25	Wed 8/13/25	248	Golden Gate				
259	Conduit Underground	3 d	53 d	0 d	NA	NA	Mon 4/1/24	Wed 4/3/24	Fri 6/14/24	Tue 6/18/24	251	Golden Gate				
260	Road Crossings	2 d	53 d	0 d	NA	NA	Thu 4/4/24	Fri 4/5/24	Thu 6/20/24	Fri 6/21/24	259	Golden Gate				
261	Install Boxes	1 d	53 d	0 d	NA	NA	Mon 4/8/24	Mon 4/8/24	Mon 6/24/24	Mon 6/24/24	260	Golden Gate				
262	Service Installation	1 d	332 d	145 d	NA	NA	Tue 4/9/24	Tue 4/9/24	Tue 8/12/25	Tue 8/12/25	261	Golden Gate/PSE - Electric				
263	<b>Above Ground</b>	<b>6 d</b>	<b>187 d</b>	<b>187 d</b>	<b>NA</b>	<b>NA</b>	<b>Tue 11/5/24</b>	<b>Wed 11/13/24</b>	<b>Wed 8/13/25</b>	<b>Wed 8/20/25</b>						
264	Pull Cable	1 d	187 d	0 d	NA	NA	Tue 11/5/24	Tue 11/5/24	Wed 8/13/25	Wed 8/13/25	262,245	Golden Gate				
265	Build Traffic Signal System	5 d	187 d	187 d	NA	NA	Wed 11/6/24	Wed 11/13/24	Thu 8/14/25	Wed 8/20/25	258,264	Golden Gate				
266	<b>Walls - Sta 15+50.95 to 799+17.37</b>	<b>180 d</b>	<b>151 d</b>	<b>151 d</b>	<b>NA</b>	<b>NA</b>	<b>Mon 10/2/23</b>	<b>Wed 6/26/24</b>	<b>Wed 5/15/24</b>	<b>Wed 8/20/25</b>						
267	<b>Wall 1 - Modular Block FW - Sta 15+50.95 to 16+21.24 (Wall Sta 0+00 to 1+18)</b>	<b>25 d</b>	<b>92 d</b>	<b>92 d</b>	<b>NA</b>	<b>NA</b>	<b>Tue 1/16/24</b>	<b>Tue 2/20/24</b>	<b>Fri 5/24/24</b>	<b>Mon 8/18/25</b>						
268	Construct Modular Block Fill Wall - Wall 1	15 d	92 d	0 d	NA	NA	Tue 1/16/24	Mon 2/5/24	Fri 5/24/24	Fri 6/14/24	207SS+5 d	Key West				
269	FRPCS Thickened Edge Sidewalk	5 d	371 d	0 d	NA	NA	Tue 2/6/24	Mon 2/12/24	Tue 8/5/25	Mon 8/11/25	268	WCCI				
270	Install Pedestrian Railing	5 d	371 d	16 d	NA	NA	Tue 2/13/24	Tue 2/20/24	Tue 8/12/25	Mon 8/18/25	269	WCCI				
271	<b>Wall 2 - Modular Block FW - Sta 17+08.50 to 17+23.95 (Wall Sta 0+00 to 0+59)</b>	<b>10 d</b>	<b>92 d</b>	<b>92 d</b>	<b>NA</b>	<b>NA</b>	<b>Tue 2/6/24</b>	<b>Tue 2/20/24</b>	<b>Mon 6/17/24</b>	<b>Wed 8/20/25</b>						
272	Construct Modular Block Fill Wall - Wall 2	5 d	92 d	0 d	NA	NA	Tue 2/6/24	Mon 2/12/24	Mon 6/17/24	Mon 6/24/24	268	Key West				
273	FRPCS Thickened Edge Sidewalk	5 d	373 d	373 d	NA	NA	Tue 2/13/24	Tue 2/20/24	Thu 8/14/25	Wed 8/20/25	272,269SS	WCCI				
274	<b>Wall 5 - CCFW &amp; CIP Fill Wall - Sta 399+50.72 to 399+39.01 (Wall Sta 0+00 to 0+35)</b>	<b>109 d</b>	<b>151 d</b>	<b>151 d</b>	<b>NA</b>	<b>NA</b>	<b>Mon 10/2/23</b>	<b>Fri 3/15/24</b>	<b>Wed 5/15/24</b>	<b>Wed 8/20/25</b>						
275	Demolish Existing Wall 5 - Sta 0+10 to 0+21.70	2 d	151 d	75 d	NA	NA	Mon 10/2/23	Tue 10/3/23	Wed 5/15/24	Thu 5/16/24	83	Pivetta				
276	Construct CIP Fill Wall - Wall 5	15 d	76 d	0 d	NA	NA	Wed 1/31/24	Wed 2/21/24	Fri 5/17/24	Fri 6/7/24	207SS+16 d,275	WCCI				
277	Construct Cement Concrete Fill Wall - Wall 5	10 d	76 d	0 d	NA	NA	Thu 2/22/24	Wed 3/6/24	Mon 6/10/24	Mon 6/24/24	207,276	WCCI				
278	Construct WSDOT Std 4" Thick Gutter - Wall 5	5 d	355 d	0 d	NA	NA	Thu 3/7/24	Wed 3/13/24	Tue 8/12/25	Mon 8/18/25	277	WCCI				
279	Install Pedestrian Railing - Sta 0+10 to 0+35 - Wall 5	2 d	355 d	355 d	NA	NA	Thu 3/14/24	Fri 3/15/24	Tue 8/19/25	Wed 8/20/25	270,278	WCCI				
280	<b>Wall 6 - Rock Wall - Sta 799+42.45 to 799+17.37 (Wall Sta 0+00 to 0+19.29)</b>	<b>5 d</b>	<b>139 d</b>	<b>139 d</b>	<b>NA</b>	<b>NA</b>	<b>Mon 11/20/23</b>	<b>Tue 11/28/23</b>	<b>Mon 6/17/24</b>	<b>Mon 6/24/24</b>						
281	Excavate/Construct/Backfill Rock Wall - Wall 6	5 d	139 d	139 d	NA	NA	Mon 11/20/23	Tue 11/28/23	Mon 6/17/24	Mon 6/24/24	90	Pivetta - Earthwork				
282	<b>Gateway Wall A - Sta 33+59.15 to 599+37.00</b>	<b>20 d</b>	<b>269 d</b>	<b>269 d</b>	<b>NA</b>	<b>NA</b>	<b>Wed 5/29/24</b>	<b>Wed 6/26/24</b>	<b>Wed 7/2/25</b>	<b>Wed 7/30/25</b>						
283	Construct Gateway Wall A - Renton Ave. Ext.	15 d	269 d	0 d	NA	NA	Wed 5/29/24	Tue 6/18/24	Wed 7/2/25	Wed 7/23/25	197,276	WCCI				
284	Install Decorative Cutouts and Skate Deterrent Gateway Wall A - Renton Ave. Ext.	5 d	269 d	266 d	NA	NA	Thu 6/20/24	Wed 6/26/24	Thu 7/24/25	Wed 7/30/25	283	WCCI				
285	<b>Curb and Gutter - Sta 14+30.99 to 42+80.28</b>	<b>56 d</b>	<b>101 d</b>	<b>101 d</b>	<b>NA</b>	<b>NA</b>	<b>Wed 4/17/24</b>	<b>Mon 7/8/24</b>	<b>Wed 9/11/24</b>	<b>Wed 8/20/25</b>						
286	<b>Curb and Gutter - Walgreens to Big Island Poke - Sta 14+30.99 to 19+12.69</b>	<b>2 d</b>	<b>101 d</b>	<b>101 d</b>	<b>NA</b>	<b>NA</b>	<b>Wed 4/17/24</b>	<b>Thu 4/18/24</b>	<b>Wed 9/11/24</b>	<b>Wed 8/20/25</b>	<b>182,261</b>					
287	Grade/Prep Base/Place CSBC	1 d	101 d	0 d	NA	NA	Wed 4/17/24	Wed 4/17/24	Wed 9/11/24	Wed 9/11/24	185,219,150,105,52	Pivetta - Earthwork				
288	Form and Pour Curb and Gutter	1 d	331 d	331 d	NA	NA	Thu 4/18/24	Thu 4/18/24	Wed 8/20/25	Wed 8/20/25	287	WCCI				
289	<b>Curb and Gutter - Big Island Poke to SW Victoria St - Sta 19+12.69 to 24+80</b>	<b>4 d</b>	<b>101 d</b>	<b>101 d</b>	<b>NA</b>	<b>NA</b>	<b>Thu 4/18/24</b>	<b>Tue 4/23/24</b>	<b>Thu 9/12/24</b>	<b>Wed 8/20/25</b>						
290	Grade/Prep Base/Place CSBC	2 d	101 d	0 d	NA	NA	Thu 4/18/24	Fri 4/19/24	Thu 9/12/24	Fri 9/13/24	287	Pivetta - Earthwork				
291	Form and Pour Curb and Gutter	2 d	328 d	328 d	NA	NA	Mon 4/22/24	Tue 4/23/24	Tue 8/19/25	Wed 8/20/25	290	WCCI				
292	<b>Curb and Gutter - SW Victoria St. to Renton Ave. Ext. - Sta 25+00 to 31+64.76</b>	<b>17 d</b>	<b>89 d</b>	<b>89 d</b>	<b>NA</b>	<b>NA</b>	<b>Wed 5/8/24</b>	<b>Fri 5/31/24</b>	<b>Mon 9/16/24</b>	<b>Wed 8/20/25</b>						
293	Grade/Prep Base/Place CSBC	3 d	89 d	0 d	NA	NA	Wed 5/8/24	Fri 5/10/24	Mon 9/16/24	Wed 9/18/24	189,290	Pivetta - Earthwork				
294	Form and Pour Curb and Gutter	3 d	89 d	0 d	NA	NA	Mon 5/13/24	Wed 5/15/24	Thu 9/19/24	Mon 9/23/24	293	WCCI				
295	<b>Bus Shelter - Sta 27+45.48</b>	<b>11 d</b>	<b>301 d</b>	<b>301 d</b>	<b>NA</b>	<b>NA</b>	<b>Thu 5/16/24</b>	<								







ID	Task Name	Duration	Total Slack	Free Slack	Actual Start	Actual Finish	Early Start	Early Finish	Late Start	Late Finish	Predecessors	Text2	2023	2024	2025	2026
460	Install 10" Concrete Panels - SB Rainier Ave. S.	5 d	42 d	42 d	NA	NA	Mon 4/7/25	Fri 4/11/25	Thu 6/5/25	Wed 6/11/25	459	WCCI				
461	Dual Faced Slope Mountable Curb - Airport Way - Sta 600+90 to 603+45	7 d	69 d	69 d	NA	NA	Fri 4/11/25	Mon 4/21/25	Tue 7/22/25	Wed 7/30/25						
462	S. 3rd St. - Sta to 200+62 to 201+55	5 d	69 d	69 d	NA	NA	Fri 4/11/25	Thu 4/17/25	Tue 7/22/25	Tue 7/29/25						
463	FRPCS - Dual Faced Sloped Mountable Traffic Curb - S. 3rd St.	4 d	69 d	0 d	NA	NA	Fri 4/11/25	Wed 4/16/25	Tue 7/22/25	Fri 7/25/25	456	SPM				
464	Install Curb Mounted Delineator Posts - S. 3rd St.	1 d	70 d	1 d	NA	NA	Thu 4/17/25	Thu 4/17/25	Tue 7/29/25	Tue 7/29/25	463	SPM				
465	Airport Way - Sta 600+90 to 603+45	3 d	69 d	69 d	NA	NA	Thu 4/17/25	Mon 4/21/25	Mon 7/28/25	Wed 7/30/25						
466	FRPCS - Dual Faced Sloped Mountable Traffic Curb - Airport Way	2 d	69 d	0 d	NA	NA	Thu 4/17/25	Fri 4/18/25	Mon 7/28/25	Tue 7/29/25	463	SPM				
467	Install Curb Mounted Delineator Posts - Airport Way	1 d	69 d	69 d	NA	NA	Mon 4/21/25	Mon 4/21/25	Wed 7/30/25	Wed 7/30/25	466,464	SPM				
468																
469	Stage 3 (Median)	48 d	0 d	0 d	NA	NA	Thu 6/12/25	Wed 8/20/25	Thu 6/12/25	Wed 8/20/25						
470	Temporary Channelization and Signalization - 14+05 to 40+15	2 d	0 d	0 d	NA	NA	Thu 6/12/25	Fri 6/13/25	Thu 6/12/25	Fri 6/13/25						
471	Install Const. Channelization & Shift Traffic to Outside Lanes - Rainier Ave S.	2 d	0 d	0 d	NA	NA	Thu 6/12/25	Fri 6/13/25	Thu 6/12/25	Fri 6/13/25	389,460,456	Pivetta				
472	Adjust Signal Heads and Cameras	2 d	0 d	0 d	NA	NA	Thu 6/12/25	Fri 6/13/25	Thu 6/12/25	Fri 6/13/25	47155	Golden Gate				
473	Site Prep - Sta 14+05 to 40+15	5 d	0 d	0 d	NA	NA	Mon 6/16/25	Mon 6/23/25	Mon 6/16/25	Mon 6/23/25						
474	Sawcut and Remove Pavement in Median	5 d	0 d	0 d	NA	NA	Mon 6/16/25	Mon 6/23/25	Mon 6/16/25	Mon 6/23/25	471,472	Pivetta				
475	Roadway - Sta 14+05 to 40+40	31 d	0 d	0 d	NA	NA	Tue 6/24/25	Wed 8/6/25	Tue 6/24/25	Wed 8/6/25						
476	Median 1 - Sta 14+05 to 18+44.96	20 d	0 d	0 d	NA	NA	Tue 6/24/25	Tue 7/22/25	Tue 6/24/25	Fri 7/25/25						
477	Grade Base/Place CSBC/FRPCS Median 1 Curb	5 d	0 d	0 d	NA	NA	Tue 6/24/25	Mon 6/30/25	Mon 6/24/25	Mon 6/30/25	474,51655	Pivetta - Earthwork				
478	Install River Rock Treatment	5 d	3 d	0 d	NA	NA	Tue 7/1/25	Tue 7/8/25	Mon 7/7/25	Fri 7/11/25	477	WCCI				
479	Install Bioretention Planter Area	5 d	3 d	0 d	NA	NA	Wed 7/9/25	Tue 7/15/25	Mon 7/14/25	Fri 7/18/25	478	Coria				
480	Install Plants	5 d	3 d	0 d	NA	NA	Wed 7/16/25	Tue 7/22/25	Mon 7/21/25	Fri 7/25/25	479	Pivetta				
481	Adjust Monument Case and Cover to FG	1 d	11 d	11 d	NA	NA	Tue 7/1/25	Tue 7/1/25	Thu 7/17/25	Thu 7/17/25	477	Pivetta				
482	Median 2 - Sta 19+65	7 d	0 d	0 d	NA	NA	Tue 7/1/25	Thu 7/10/25	Tue 7/1/25	Thu 7/17/25						
483	Grade Base/Place CSBC/FRPCS Median Curb 2	3 d	0 d	0 d	NA	NA	Tue 7/1/25	Thu 7/3/25	Tue 7/1/25	Thu 7/3/25	477	Pivetta - Earthwork				
484	Install River Rock Treatment	2 d	5 d	1 d	NA	NA	Wed 7/9/25	Thu 7/10/25	Wed 7/16/25	Thu 7/17/25	483,478	WCCI				
485	Median 3 - Sta 23+40 to 25+50	15 d	0 d	0 d	NA	NA	Mon 7/7/25	Fri 7/25/25	Mon 7/7/25	Wed 7/30/25						
486	Grade Base/Place CSBC/FRPCS Median Curb 3	3 d	0 d	0 d	NA	NA	Mon 7/7/25	Wed 7/9/25	Mon 7/7/25	Wed 7/9/25	483,51655	Pivetta - Earthwork				
487	Install Midblock Crosswalk and DWS	2 d	4 d	0 d	NA	NA	Thu 7/10/25	Fri 7/11/25	Wed 7/16/25	Thu 7/17/25	486	WCCI				
488	Install River Rock Treatment	3 d	4 d	0 d	NA	NA	Mon 7/14/25	Wed 7/16/25	Fri 7/18/25	Tue 7/22/25	484,487	WCCI				
489	Install Bioretention Planter Area	3 d	4 d	1 d	NA	NA	Thu 7/17/25	Mon 7/21/25	Wed 7/23/25	Fri 7/25/25	488	Coria				
490	Install Plants	3 d	3 d	0 d	NA	NA	Wed 7/23/25	Fri 7/25/25	Mon 7/28/25	Wed 7/30/25	480,489	Coria				
491	Install Root Barrier	3 d	3 d	0 d	NA	NA	Wed 7/23/25	Fri 7/25/25	Mon 7/28/25	Wed 7/30/25	49055	Coria				
492	Median 4 - Sta 25+50 to 31+65.38	6 d	0 d	0 d	NA	NA	Mon 7/7/25	Mon 7/14/25	Mon 7/7/25	Tue 7/15/25						
493	Grade Base/Place CSBC/FRPCS Median Curb 4	3 d	0 d	0 d	NA	NA	Mon 7/7/25	Wed 7/9/25	Mon 7/7/25	Wed 7/9/25	48655,51655	Pivetta - Earthwork				
494	Install River Rock Treatment	3 d	1 d	0 d	NA	NA	Thu 7/10/25	Mon 7/14/25	Fri 7/11/25	Tue 7/15/25	493	WCCI				
495	Median 5 - Sta 38+39.71 to 40+12.21	5 d	0 d	0 d	NA	NA	Thu 7/10/25	Wed 7/16/25	Thu 7/10/25	Thu 7/17/25						
496	Grade Base/Place CSBC/FRPCS Median Curb 5	3 d	0 d	0 d	NA	NA	Thu 7/10/25	Mon 7/14/25	Thu 7/10/25	Mon 7/14/25	493	Pivetta - Earthwork				
497	Install River Rock Treatment	2 d	1 d	1 d	NA	NA	Tue 7/15/25	Wed 7/16/25	Wed 7/16/25	Thu 7/17/25	494,496	WCCI				
498	Traffic Mounted Curb - Sta 20+25 to 23+40, 33+50 to 38+39.71	6 d	0 d	0 d	NA	NA	Thu 7/10/25	Thu 7/17/25	Thu 7/10/25	Thu 7/17/25						
499	Install Traffic Mounted Curb North of S. 2nd Street to Median 3	3 d	0 d	0 d	NA	NA	Thu 7/10/25	Mon 7/14/25	Thu 7/10/25	Mon 7/14/25	486	SPM				
500	Install Traffic Mounted Curb North of Airport Way to Median 5	3 d	0 d	0 d	NA	NA	Tue 7/15/25	Thu 7/17/25	Tue 7/15/25	Thu 7/17/25	499,496	SPM				
501	HMA Paving - Sta 14+05 to 42+10	14 d	0 d	0 d	NA	NA	Fri 7/18/25	Wed 8/6/25	Fri 7/18/25	Wed 8/6/25						
502	Grade Base/Place Geotextile & CSBC - New HMA Southbound Rainier	5 d	0 d	0 d	NA	NA	Fri 7/18/25	Thu 7/24/25	Fri 7/18/25	Thu 7/24/25	500,481,497	Pivetta - Earthwork				
503	Place HMA to Curb - Southbound Rainier	2 d	10 d	10 d	NA	NA	Tue 7/22/25	Wed 7/23/25	Tue 8/5/25	Wed 8/6/25	50255+2 d	Icon				
504	Grade Base/Place Geotextile & CSBC - New HMA Section Northbound Rainier	5 d	0 d	0 d	NA	NA	Fri 7/25/25	Thu 7/31/25	Fri 7/25/25	Thu 7/31/25	502	Pivetta - Earthwork				
505	Place HMA to Curb - Northbound Rainier	2 d	0 d	0 d	NA	NA	Tue 7/29/25	Wed 7/30/25	Tue 7/29/25	Wed 7/30/25	50455+2 d	Icon				
506	Place 4" Fiber Reinforced Asphalt Concrete (FRAC) - Project Wide	5 d	0 d	0 d	NA	NA	Thu 7/31/25	Wed 8/6/25	Thu 7/31/25	Wed 8/6/25	338,456,467,505	Icon				
507	Final Channelization and Striping	10 d	0 d	0 d	NA	NA	Thu 8/7/25	Wed 8/20/25	Thu 8/7/25	Wed 8/20/25						
508	Channelization and Striping - Southbound Rainier Ave - Sta 12+70.9 to 42+87.1	5 d	0 d	0 d	NA	NA	Thu 8/7/25	Wed 8/13/25	Thu 8/7/25	Wed 8/13/25						
509	Install Striping, Arrows, Blue Hydrant Markers	2 d	0 d	0 d	NA	NA	Thu 8/7/25	Fri 8/8/25	Thu 8/7/25	Fri 8/8/25	503,506	SPM				
510	Install Signs	5 d	0 d	0 d	NA	NA	Thu 8/7/25	Wed 8/13/25	Thu 8/7/25	Wed 8/13/25	50955	Pivetta				
511	Channelization and Striping - Northbound Rainier Ave - Sta 12+70.9 to 42+80.29	8 d	0 d	0 d	NA	NA	Mon 8/11/25	Wed 8/20/25	Thu 8/14/25	Wed 8/20/25						
512	Install Striping, Arrows, Blue Hydrant Markers	2 d	3 d	3 d	NA	NA	Mon 8/11/25	Tue 8/12/25	Thu 8/14/25	Fri 8/15/25	509,505	SPM				
513	Install Signs	5 d	0 d	0 d	NA	NA	Thu 8/14/25	Wed 8/20/25	Thu 8/14/25	Wed 8/20/25	510,51255	Pivetta				
514																
515	Landscaping and Irrigation	76 d	3 d	3 d	NA	NA	Tue 4/29/25	Fri 8/15/25	Tue 6/24/25	Wed 8/20/25						
516	Install Irrigation	15 d	38 d	38 d	NA	NA	Tue 4/29/25	Mon 5/19/25	Tue 6/24/25	Tue 7/15/25	339,457	Coria				
517	Install Landscaping	15 d	3 d	3 d	NA	NA	Mon 7/28/25	Fri 8/15/25	Thu 7/31/25	Wed 8/20/25	491,516,339,457,378,398,429,449,284,281,331,435	Coria				



**Rainier Ave S Phase 4 Project Schedule**  
**Remaining Critical Path Activities**

Task Name	Duration	Total Slack	Free Slack	Actual Start	Actual Finish	Early Start	Early Finish	Late Start	Late Finish
<b>Rainier Ave Phase 4 Project Schedule</b>	<b>690 d</b>	<b>0 d</b>	<b>0 d</b>	<b>Wed 11/2/22</b>	<b>NA</b>	<b>Wed 11/2/22</b>	<b>Wed 8/20/25</b>	<b>Wed 11/2/22</b>	<b>Wed 8/20/25</b>
Substantial Completion Date	0 d	0 d	0 d	NA	NA	Wed 8/20/25	Wed 8/20/25	Wed 8/20/25	Wed 8/20/25
Physical Completion Date	0 d	0 d	0 d	NA	NA	Wed 8/20/25	Wed 8/20/25	Wed 8/20/25	Wed 8/20/25
Contractual Physical Completion Date (500 working days)	0 d	0 d	0 d	NA	NA	Wed 8/20/25	Wed 8/20/25	Wed 8/20/25	Wed 8/20/25
<b>Rainier Ave. S. - Construction Duration</b>	<b>605 d</b>	<b>0 d</b>	<b>0 d</b>	<b>Mon 3/13/23</b>	<b>NA</b>	<b>Mon 3/13/23</b>	<b>Wed 8/20/25</b>	<b>Mon 3/13/23</b>	<b>Wed 8/20/25</b>
Install Conduits	9 d	0 d	0 d	NA	NA	Mon 11/6/23	Fri 11/17/23	Mon 11/6/23	Fri 11/17/23
<b>JUT - Night/Power Crossing - Tobin St, Sta 28+75 and 30+28</b>	<b>4 d</b>	<b>0 d</b>	<b>0 d</b>	<b>NA</b>	<b>NA</b>	<b>Mon 11/20/23</b>	<b>Mon 11/27/23</b>	<b>Mon 11/20/23</b>	<b>Mon 11/27/23</b>
Install Conduits	4 d	0 d	0 d	NA	NA	Mon 11/20/23	Mon 11/27/23	Mon 11/20/23	Mon 11/27/23
<b>JUT - Night/Crossing Renton Ave Ext - Sta 31+90 to 33+00</b>	<b>173 d</b>	<b>0 d</b>	<b>0 d</b>	<b>Tue 3/28/23</b>	<b>NA</b>	<b>Tue 3/28/23</b>	<b>Mon 12/4/23</b>	<b>Tue 3/28/23</b>	<b>Mon 12/4/23</b>
Install Conduits	5 d	0 d	0 d	NA	NA	Tue 11/28/23	Mon 12/4/23	Tue 11/28/23	Mon 12/4/23
<b>JUT - Arc to Gerber Collision- Section P, U, V, W (No PSE Gas) - Sta 33+00 to 42+85</b>	<b>185 d</b>	<b>0 d</b>	<b>0 d</b>	<b>Tue 3/28/23</b>	<b>NA</b>	<b>Tue 3/28/23</b>	<b>Wed 12/20/23</b>	<b>Tue 3/28/23</b>	<b>Wed 12/20/23</b>
Install Conduits	12 d	0 d	0 d	NA	NA	Tue 12/5/23	Wed 12/20/23	Tue 12/5/23	Wed 12/20/23
<b>JUT - Night/Crossings - Sta 33+77, 36+17, 40+43</b>	<b>191 d</b>	<b>0 d</b>	<b>0 d</b>	<b>Tue 3/28/23</b>	<b>NA</b>	<b>Tue 3/28/23</b>	<b>Fri 1/15/24</b>	<b>Tue 3/28/23</b>	<b>Fri 1/15/24</b>
Install Conduit	6 d	0 d	0 d	NA	NA	Thu 12/21/23	Fri 1/5/24	Thu 12/21/23	Fri 1/5/24
PSE - Pull Wire (Power and Fiber) and Complete Connections	60 d	0 d	0 d	NA	NA	Mon 1/8/24	Tue 4/2/24	Mon 1/8/24	Tue 4/2/24
PSE - Install Transformers - V02A, V0X, V15A, V16A	60 d	0 d	0 d	NA	NA	Mon 1/8/24	Tue 4/2/24	Mon 1/8/24	Tue 4/2/24
Lumen/Centurylink - Pull Wire and Complete Connections Project Wide	60 d	0 d	0 d	NA	NA	Mon 1/8/24	Tue 4/2/24	Mon 1/8/24	Tue 4/2/24
Comcast - Pull Wire and Complete Connections	60 d	0 d	0 d	NA	NA	Mon 1/8/24	Tue 4/2/24	Mon 1/8/24	Tue 4/2/24
Remove Existing Vaults, Pedestals, and Risers	60 d	0 d	0 d	NA	NA	Mon 1/8/24	Tue 4/2/24	Mon 1/8/24	Tue 4/2/24
<b>Storm Drainage - Sta 15+11.89 to 41+02.35</b>	<b>57 d</b>	<b>0 d</b>	<b>0 d</b>	<b>NA</b>	<b>NA</b>	<b>Wed 4/3/24</b>	<b>Mon 6/24/24</b>	<b>Wed 4/3/24</b>	<b>Mon 6/24/25</b>
<b>Storm Drainage (Walgreens to Sansonina) - Sta 15+11.89 to 17+63.75</b>	<b>12 d</b>	<b>0 d</b>	<b>0 d</b>	<b>NA</b>	<b>NA</b>	<b>Wed 4/3/24</b>	<b>Thu 4/18/24</b>	<b>Wed 4/3/24</b>	<b>Thu 4/18/24</b>
Install Drainage and Catch Basins	10 d	0 d	0 d	NA	NA	Wed 4/3/24	Tue 4/16/24	Wed 4/3/24	Tue 4/16/24
<b>Storm Drainage - Night/Crossing - Sta 16+05.52</b>	<b>2 d</b>	<b>0 d</b>	<b>0 d</b>	<b>NA</b>	<b>NA</b>	<b>Wed 4/17/24</b>	<b>Thu 4/18/24</b>	<b>Wed 4/17/24</b>	<b>Thu 4/18/24</b>
Install Drainage and Catch Basins	2 d	0 d	0 d	NA	NA	Wed 4/17/24	Thu 4/18/24	Wed 4/17/24	Thu 4/18/24
<b>Storm Drainage (Big Island Poke to Watson Security) - Sta 18+54.92 to 23+32.67</b>	<b>24 d</b>	<b>0 d</b>	<b>0 d</b>	<b>NA</b>	<b>NA</b>	<b>Fri 4/19/24</b>	<b>Wed 5/22/24</b>	<b>Fri 4/19/24</b>	<b>Wed 5/22/24</b>
Install Drainage and Catch Basins	13 d	0 d	0 d	NA	NA	Fri 4/19/24	Tue 5/7/24	Fri 4/19/24	Tue 5/7/24
<b>Storm Drainage - S. 2nd St. - Night/Crossings, Stage 2 and 3 Work - Sta 19+07.53 to 22+07.86</b>	<b>11 d</b>	<b>0 d</b>	<b>0 d</b>	<b>NA</b>	<b>NA</b>	<b>Wed 5/8/24</b>	<b>Wed 5/22/24</b>	<b>Wed 5/8/24</b>	<b>Wed 5/22/24</b>
Install Drainage and Catch Basins	10 d	0 d	0 d	NA	NA	Wed 5/8/24	Tue 5/21/24	Wed 5/8/24	Tue 5/21/24
<b>Storm Drainage - SW Victoria St to Brown Bear Car Wash- Night/Crossing - Sta 24+70.79 to 26+65.08</b>	<b>8 d</b>	<b>0 d</b>	<b>0 d</b>	<b>NA</b>	<b>NA</b>	<b>Wed 5/22/24</b>	<b>Mon 6/3/24</b>	<b>Wed 5/22/24</b>	<b>Mon 6/3/24</b>
Install Drainage and Catch Basins	8 d	0 d	0 d	NA	NA	Wed 5/22/24	Mon 6/3/24	Wed 5/22/24	Mon 6/3/24
<b>Storm Drainage - Renton Ave Ext - Night/Crossing - Sta 31+39.02 to 33+02.08</b>	<b>11 d</b>	<b>0 d</b>	<b>0 d</b>	<b>NA</b>	<b>NA</b>	<b>Tue 6/4/24</b>	<b>Tue 6/18/24</b>	<b>Tue 6/4/24</b>	<b>Tue 6/18/24</b>
Install Drainage and Catch Basins	11 d	0 d	0 d	NA	NA	Tue 6/4/24	Tue 6/18/24	Tue 6/4/24	Tue 6/18/24
<b>Storm Drainage - NW 3rd Pl - Night/Crossing - Sta 40+68.75 to 41+02.35</b>	<b>3 d</b>	<b>0 d</b>	<b>0 d</b>	<b>NA</b>	<b>NA</b>	<b>Thu 6/20/24</b>	<b>Mon 6/24/24</b>	<b>Thu 6/20/24</b>	<b>Mon 6/24/24</b>
Install Drainage and Catch Basins	3 d	0 d	0 d	NA	NA	Thu 6/20/24	Mon 6/24/24	Thu 6/20/24	Mon 6/24/24
<b>Decorative Illumination System - Sta 14+89 to 41+55</b>	<b>168 d</b>	<b>0 d</b>	<b>0 d</b>	<b>NA</b>	<b>NA</b>	<b>Thu 9/5/24</b>	<b>Mon 3/25/24</b>	<b>Thu 9/5/24</b>	<b>Mon 3/25/24</b>
<b>Above Ground</b>	<b>163 d</b>	<b>0 d</b>	<b>0 d</b>	<b>NA</b>	<b>NA</b>	<b>Tue 1/16/24</b>	<b>Thu 9/5/24</b>	<b>Fri 5/31/24</b>	<b>Thu 9/5/24</b>
Install Lighting Wiring	20 d	0 d	0 d	NA	NA	Thu 8/1/24	Wed 8/28/24	Thu 8/1/24	Wed 8/28/24
Test and Turn On	2 d	0 d	0 d	NA	NA	Thu 8/29/24	Fri 8/30/24	Thu 8/29/24	Fri 8/30/24
Remove and Salvage Old Poles&Wiring	3 d	0 d	0 d	NA	NA	Tue 9/3/24	Thu 9/5/24	Tue 9/3/24	Thu 9/5/24
<b>Traffic Signal Rainier &amp; SW Sunset - Sta 14+10</b>	<b>158 d</b>	<b>0 d</b>	<b>0 d</b>	<b>NA</b>	<b>NA</b>	<b>Fri 2/9/24</b>	<b>Tue 9/24/24</b>	<b>Thu 4/25/24</b>	<b>Tue 9/24/24</b>
Service Installation	1 d	0 d	0 d	NA	NA	Tue 9/10/24	Tue 9/10/24	Tue 9/10/24	Tue 9/10/24
<b>Above Ground</b>	<b>13 d</b>	<b>0 d</b>	<b>0 d</b>	<b>NA</b>	<b>NA</b>	<b>Fri 9/6/24</b>	<b>Tue 9/24/24</b>	<b>Fri 9/6/24</b>	<b>Tue 9/24/24</b>
Install Boxes - after C&G/Sidewalks	2 d	0 d	0 d	NA	NA	Fri 9/6/24	Mon 9/9/24	Fri 9/6/24	Mon 9/9/24
Pull Cable	2 d	0 d	0 d	NA	NA	Wed 9/11/24	Thu 9/11/24	Thu 9/11/24	Thu 9/11/24
Build Traffic Signal System	8 d	0 d	0 d	NA	NA	Fri 9/13/24	Tue 9/24/24	Fri 9/13/24	Tue 9/24/24
<b>Traffic Signal Rainier &amp; 2nd Street</b>	<b>164 d</b>	<b>0 d</b>	<b>0 d</b>	<b>NA</b>	<b>NA</b>	<b>Thu 5/15/24</b>	<b>Tue 10/8/24</b>	<b>Tue 5/15/24</b>	<b>Tue 10/8/24</b>
<b>Above Ground</b>	<b>10 d</b>	<b>0 d</b>	<b>0 d</b>	<b>NA</b>	<b>NA</b>	<b>Wed 9/25/24</b>	<b>Tue 10/8/24</b>	<b>Wed 9/25/24</b>	<b>Tue 10/8/24</b>
Pull Cable	2 d	0 d	0 d	NA	NA	Wed 9/25/24	Wed 9/25/24	Thu 9/26/24	Thu 9/26/24
Build Traffic Signal System	8 d	0 d	0 d	NA	NA	Fri 9/27/24	Tue 10/8/24	Fri 9/27/24	Tue 10/8/24
<b>Traffic Signal Rainier&amp; Renton Ave Ext</b>	<b>173 d</b>	<b>0 d</b>	<b>0 d</b>	<b>NA</b>	<b>NA</b>	<b>Thu 2/22/24</b>	<b>Fri 10/25/24</b>	<b>Tue 5/28/24</b>	<b>Fri 10/25/24</b>
<b>Above Ground</b>	<b>13 d</b>	<b>0 d</b>	<b>0 d</b>	<b>NA</b>	<b>NA</b>	<b>Wed 10/9/24</b>	<b>Fri 10/25/24</b>	<b>Wed 10/9/24</b>	<b>Fri 10/25/24</b>
Pull Cable	3 d	0 d	0 d	NA	NA	Wed 10/9/24	Fri 10/11/24	Wed 10/9/24	Fri 10/11/24
Build Traffic Signal System	10 d	0 d	0 d	NA	NA	Mon 10/14/24	Fri 10/25/24	Mon 10/14/24	Fri 10/25/24
<b>Sidewalk - 14+30.99 to 42+80.28</b>	<b>36 d</b>	<b>0 d</b>	<b>0 d</b>	<b>NA</b>	<b>NA</b>	<b>Tue 6/25/24</b>	<b>Wed 8/14/24</b>	<b>Tue 6/25/24</b>	<b>Fri 6/13/25</b>
<b>Sidewalk Walgreens to Big Island Poke - Sta 14+30.99 to 19+12.69</b>	<b>8 d</b>	<b>0 d</b>	<b>0 d</b>	<b>NA</b>	<b>NA</b>	<b>Tue 6/25/24</b>	<b>Fri 7/5/24</b>	<b>Tue 6/25/24</b>	<b>Fri 6/13/25</b>
Grade/Prep Base/Place CSBC - Sidewalk and Driveway Approaches	3 d	0 d	0 d	NA	NA	Tue 6/25/24	Thu 6/27/24	Tue 6/25/24	Thu 6/27/24
<b>Sidewalk Big Island Poke to SW Victoria St. - Sta 19+12.69 to 24+80</b>	<b>15 d</b>	<b>0 d</b>	<b>0 d</b>	<b>NA</b>	<b>NA</b>	<b>Fri 6/28/24</b>	<b>Fri 6/28/24</b>	<b>Fri 6/28/24</b>	<b>Fri 6/13/25</b>
Grade/Prep Base/Place CSBC - Sidewalk and Driveway Approaches	5 d	0 d	0 d	NA	NA	Fri 6/28/24	Fri 7/5/24	Fri 6/28/24	Fri 7/5/24
FRPCS - Sidewalk and Driveway Approaches	5 d	0 d	0 d	NA	NA	Mon 7/8/24	Fri 7/12/24	Mon 7/8/24	Fri 7/12/24
FRPCS - Sidewalk and Driveway Approaches	3 d	0 d	0 d	NA	NA	Mon 7/15/24	Wed 7/17/24	Mon 7/15/24	Wed 7/17/24
Grade/Form/Pour - Curb Ramps/Install DWS - Midblock Crosswalk - Sta 25+47.49	5 d	0 d	0 d	NA	NA	Thu 7/18/24	Wed 7/24/24	Thu 7/18/24	Wed 7/24/24
FRPCS - Sidewalk and Driveway Approaches	5 d	0 d	0 d	NA	NA	Thu 7/25/24	Wed 7/31/24	Thu 7/25/24	Wed 7/31/24
<b>Stage 2 (East)</b>	<b>151 d</b>	<b>0 d</b>	<b>0 d</b>	<b>NA</b>	<b>NA</b>	<b>Mon 10/28/24</b>	<b>Wed 6/11/25</b>	<b>Mon 10/28/24</b>	<b>Wed 7/30/25</b>
<b>Temporary Channelization and Signalization 12+12.5 to 43+63</b>	<b>5 d</b>	<b>0 d</b>	<b>0 d</b>	<b>NA</b>	<b>NA</b>	<b>Mon 10/28/24</b>	<b>Fri 11/1/24</b>	<b>Mon 10/28/24</b>	<b>Fri 11/1/24</b>
Install Construction Channelization, Striping, Warning Signs - Shift Traffic to West Side of Rainier Ave.	5 d	0 d	0 d	NA	NA	Mon 10/28/24	Fri 11/1/24	Mon 10/28/24	Fri 11/1/24
Adjust and Modify Signals	5 d	0 d	0 d	NA	NA	Mon 10/28/24	Fri 11/1/24	Mon 10/28/24	Fri 11/1/24
<b>Sewer - Sta 25+02.65 to 28+55.98</b>	<b>9 d</b>	<b>0 d</b>	<b>0 d</b>	<b>NA</b>	<b>NA</b>	<b>Mon 11/4/24</b>	<b>Fri 11/15/24</b>	<b>Mon 11/4/24</b>	<b>Fri 11/15/24</b>
<b>Sewer - Royal Orchard/Formula 1 Fast Lube to S. Tobin St. - Sta 25+02.65 to 28+48.03</b>	<b>8 d</b>	<b>0 d</b>	<b>0 d</b>	<b>NA</b>	<b>NA</b>	<b>Mon 11/4/24</b>	<b>Thu 11/14/24</b>	<b>Mon 11/4/24</b>	<b>Thu 11/14/24</b>
Install New 8" Sewer and Manhole	6 d	0 d	0 d	NA	NA	Mon 11/4/24	Tue 11/12/24	Mon 11/4/24	Tue 11/12/24
Install New Side Sewers	2 d	0 d	0 d	NA	NA	Wed 11/13/24	Thu 11/13/24	Thu 11/13/24	Thu 11/13/24
<b>S. Tobin St. - Night/Crossing Sta 28+48.03 to 28+55.98</b>	<b>1 d</b>	<b>0 d</b>	<b>0 d</b>	<b>NA</b>	<b>NA</b>	<b>Fri 11/15/24</b>	<b>Fri 11/15/24</b>	<b>Fri 11/15/24</b>	<b>Fri 11/15/24</b>
Install 12" Sewer	1 d	0 d	0 d	NA	NA	Fri 11/15/24	Fri 11/15/24	Fri 11/15/24	Fri 11/15/24
<b>Storm Drainage - Sta 203+50 (S. 3rd) to 41+72.60 (Rainier)</b>	<b>66 d</b>	<b>0 d</b>	<b>0 d</b>	<b>NA</b>	<b>NA</b>	<b>Mon 11/18/24</b>	<b>Mon 3/3/25</b>	<b>Mon 11/18/24</b>	<b>Mon 3/3/25</b>
<b>S. 3rd Street to Taco Time - Sta 203+50 to 200+79.67 (S. 3rd) &amp; 13+50 to 17+63.44 (Rainier)</b>	<b>19 d</b>	<b>0 d</b>	<b>0 d</b>	<b>NA</b>	<b>NA</b>	<b>Mon 11/18/24</b>	<b>Mon 12/16/24</b>	<b>Mon 11/18/24</b>	<b>Mon 12/16/24</b>
Install Drainage and Catch Basins	16 d	0 d	0 d	NA	NA	Mon 11/18/24	Wed 12/11/24	Mon 11/18/24	Wed 12/11/24
Install Filterra Units	3 d	0 d	0 d	NA	NA	Thu 12/12/24	Mon 12/16/24	Thu 12/12/24	Mon 12/16/24
<b>Storm Drainage - Night/Crossing - Sta 14+25.73</b>	<b>2 d</b>	<b>0 d</b>	<b>0 d</b>	<b>NA</b>	<b>NA</b>	<b>Tue 12/17/24</b>	<b>Wed 12/18/24</b>	<b>Tue 12/17/24</b>	<b>Wed 12/18/24</b>
Install Drainage and Catch Basin	2 d	0 d	0 d	NA	NA	Tue 12/17/24	Wed 12/18/24	Tue 12/17/24	Wed 12/18/24
<b>Royal Orchid to N of Airport Way - Sta 24+83.45 to 34+19.81</b>	<b>18 d</b>	<b>0 d</b>	<b>0 d</b>	<b>NA</b>	<b>NA</b>	<b>Thu 12/19/24</b>	<b>Wed 1/22/25</b>	<b>Thu 12/19/24</b>	<b>Wed 1/22/25</b>
Install Drainage and Catch Basins	15 d	0 d	0 d	NA	NA	Thu 12/19/24	Thu 12/19/24	Thu 12/19/24	Thu 12/19/24
Install Filterra Units	3 d	0 d	0 d	NA	NA	Fri 1/17/25	Wed 1/22/25	Fri 1/17/25	Wed 1/22/25
<b>Storm Drainage - Night/Crossing - Sta 30+78.93</b>	<b>3 d</b>	<b>0 d</b>	<b>0 d</b>	<b>NA</b>	<b>NA</b>	<b>Thu 1/23/25</b>	<b>Mon 1/27/25</b>	<b>Thu 1/23/25</b>	<b>Mon 1/27/25</b>
Install Drainage and Catch Basin	2 d	0 d	0 d	NA	NA	Thu 1/23/25	Fri 1/24/25	Thu 1/23/25	Fri 1/24/25
Install Filterra Unit	1 d	0 d	0 d	NA	NA	Mon 1/27/25	Mon 1/27/25	Mon 1/27/25	Mon 1/27/25
<b>Airport Way - Sta 33+17.81 to 601+64.04</b>	<b>6 d</b>	<b>0 d</b>	<b>0 d</b>	<b>NA</b>	<b>NA</b>	<b>Tue 2/4</b>			

Revised JUT Depth - Serial Letters and Change Order Quotation

Task Name	Duration	Total Slack	Free Slack	Actual Start	Actual Finish	Early Start	Early Finish	Late Start	Late Finish
<b>Curb and Gutter - Sta 204+63.59 to 42+07.42</b>	17 d	0 d	0 d	NA	NA	Tue 3/4/25	Wed 3/26/25	Tue 3/4/25	Wed 5/21/25
<b>Curb and Gutter - S. 3rd St. to S. 2nd St. - Sta 204+63.59 to 301+09.32</b>	8 d	0 d	0 d	NA	NA	Tue 3/4/25	Thu 3/13/25	Tue 3/4/25	Thu 3/13/25
Grade/Prep Base/Place CSBC	4 d	0 d	0 d	NA	NA	Tue 3/4/25	Fri 3/7/25	Tue 3/4/25	Fri 3/7/25
Form and Pour Curb and Gutter	4 d	0 d	0 d	NA	NA	Mon 3/10/25	Thu 3/13/25	Mon 3/10/25	Thu 3/13/25
<b>Curb and Gutter - S. 2nd St. to S. Tobin St. - Sta 19+57.82 to 28+61.93</b>	6 d	0 d	0 d	NA	NA	Mon 3/10/25	Mon 3/17/25	Tue 3/11/25	Mon 3/17/25
Grade/Prep Base/Place CSBC	2 d	1 d	0 d	NA	NA	Mon 3/10/25	Tue 3/11/25	Tue 3/11/25	Wed 3/12/25
Form and Pour Curb and Gutter	2 d	0 d	0 d	NA	NA	Fri 3/14/25	Mon 3/17/25	Fri 3/14/25	Mon 3/17/25
<b>Curb and Gutter - S. Tobin St. to Airport Way - Sta 28+61.93 to 604+36.35</b>	11 d	1 d	1 d	NA	NA	Wed 3/12/25	Wed 3/26/25	Thu 3/13/25	Wed 5/21/25
Grade/Prep Base/Place CSBC	2 d	1 d	0 d	NA	NA	Wed 3/12/25	Thu 3/13/25	Thu 3/13/25	Fri 3/14/25
Form and Pour Curb and Gutter	2 d	0 d	0 d	NA	NA	Tue 3/18/25	Wed 3/19/25	Tue 3/18/25	Wed 3/19/25
<b>Curb and Gutter - Airport Way to End - Sta 603+57.87 to 42+07.42</b>	7 d	0 d	0 d	NA	NA	Fri 3/14/25	Mon 3/24/25	Mon 3/17/25	Mon 3/24/25
Grade/Prep Base/Place CSBC	3 d	1 d	1 d	NA	NA	Fri 3/14/25	Tue 3/18/25	Mon 3/17/25	Wed 3/19/25
Form and Pour Curb and Gutter	3 d	0 d	0 d	NA	NA	Thu 3/20/25	Mon 3/24/25	Thu 3/20/25	Mon 3/24/25
<b>Stage 3 (Median)</b>	48 d	0 d	0 d	NA	NA	Thu 6/12/25	Wed 8/20/25	Thu 6/12/25	Wed 8/20/25
<b>Temporary Channelization and Signalization - 14+05 to 40+15</b>	2 d	0 d	0 d	NA	NA	Thu 6/12/25	Fri 6/13/25	Thu 6/12/25	Fri 6/13/25
Install Const. Channelization & Shift Traffic to Outside Lanes - Rainier Ave S.	2 d	0 d	0 d	NA	NA	Thu 6/12/25	Fri 6/13/25	Thu 6/12/25	Fri 6/13/25
Adjust Signal Heads and Cameras	2 d	0 d	0 d	NA	NA	Thu 6/12/25	Fri 6/13/25	Thu 6/12/25	Fri 6/13/25
<b>Site Prep - Sta 14+05 to 40+15</b>	5 d	0 d	0 d	NA	NA	Mon 6/16/25	Mon 6/23/25	Mon 6/16/25	Mon 6/23/25
Sawcut and Remove Pavement in Median	5 d	0 d	0 d	NA	NA	Mon 6/16/25	Mon 6/23/25	Mon 6/16/25	Mon 6/23/25
<b>Roadway - Sta 14+05 to 40+40</b>	31 d	0 d	0 d	NA	NA	Tue 6/24/25	Wed 8/6/25	Tue 6/24/25	Wed 8/6/25
<b>Median 1 - Sta 14+05 to 18+44.96</b>	20 d	0 d	0 d	NA	NA	Tue 6/24/25	Tue 7/22/25	Tue 6/24/25	Fri 7/25/25
Grade Base/Place CSBC/FRPCS Median 1 Curb	5 d	0 d	0 d	NA	NA	Tue 6/24/25	Mon 6/30/25	Tue 6/24/25	Mon 6/30/25
<b>Median 2 - Sta 19+65</b>	7 d	0 d	0 d	NA	NA	Tue 7/1/25	Thu 7/10/25	Tue 7/1/25	Thu 7/17/25
Grade Base/Place CSBC/FRPCS Median 2	3 d	0 d	0 d	NA	NA	Thu 7/3/25	Thu 7/3/25	Tue 7/1/25	Thu 7/3/25
<b>Median 3 - Sta 23+40 to 25+50</b>	15 d	0 d	0 d	NA	NA	Mon 7/7/25	Fri 7/25/25	Mon 7/7/25	Wed 7/30/25
Grade Base/Place CSBC/FRPCS Median 3	3 d	0 d	0 d	NA	NA	Mon 7/7/25	Wed 7/9/25	Mon 7/7/25	Wed 7/9/25
<b>Median 4 - Sta 25+50 to 31+65.38</b>	6 d	0 d	0 d	NA	NA	Mon 7/7/25	Mon 7/14/25	Mon 7/7/25	Tue 7/15/25
Grade Base/Place CSBC/FRPCS Median 4	3 d	0 d	0 d	NA	NA	Mon 7/7/25	Wed 7/9/25	Mon 7/7/25	Wed 7/9/25
Install River Rock Treatment	3 d	1 d	0 d	NA	NA	Thu 7/10/25	Mon 7/14/25	Fri 7/11/25	Tue 7/15/25
<b>Median 5 - Sta 38+39.71 to 40+12.21</b>	5 d	0 d	0 d	NA	NA	Thu 7/10/25	Wed 7/16/25	Thu 7/10/25	Thu 7/17/25
Grade Base/Place CSBC/FRPCS Median 5	3 d	0 d	0 d	NA	NA	Thu 7/10/25	Mon 7/14/25	Thu 7/10/25	Mon 7/14/25
Install River Rock Treatment	2 d	1 d	1 d	NA	NA	Tue 7/15/25	Wed 7/16/25	Wed 7/16/25	Thu 7/17/25
<b>Traffic Mounted Curb - Sta 20+25 to 23+40, 33+50 to 38+39.71</b>	6 d	0 d	0 d	NA	NA	Thu 7/10/25	Thu 7/17/25	Thu 7/10/25	Thu 7/17/25
Install Traffic Mounted Curb North of S. 2nd Street to Median 3	3 d	0 d	0 d	NA	NA	Thu 7/10/25	Mon 7/14/25	Thu 7/10/25	Mon 7/14/25
Install Traffic Mounted Curb North of Airport Way to Median 5	3 d	0 d	0 d	NA	NA	Tue 7/15/25	Thu 7/17/25	Tue 7/15/25	Thu 7/17/25
<b>HMA Paving - Sta 14+05 to 42+10</b>	14 d	0 d	0 d	NA	NA	Fri 7/18/25	Wed 8/6/25	Fri 7/18/25	Wed 8/6/25
Grade Base/Place Geotextile & CSBC - New HMA Southbound Rainier	5 d	0 d	0 d	NA	NA	Fri 7/18/25	Thu 7/24/25	Fri 7/18/25	Thu 7/24/25
Grade Base/Place Geotextile & CSBC - New HMA Section Northbound Rainier	5 d	0 d	0 d	NA	NA	Fri 7/25/25	Thu 7/31/25	Fri 7/25/25	Thu 7/31/25
Place HMA to Curb - Northbound Rainier	2 d	0 d	0 d	NA	NA	Tue 7/29/25	Wed 7/30/25	Tue 7/29/25	Wed 7/30/25
Place 4" Fiber Reinforced Asphalt Concrete (FRAC) - Project Wide	5 d	0 d	0 d	NA	NA	Thu 7/31/25	Wed 8/6/25	Thu 7/31/25	Wed 8/6/25
<b>Final Channelization and Striping</b>	10 d	0 d	0 d	NA	NA	Thu 8/7/25	Wed 8/20/25	Thu 8/7/25	Wed 8/20/25
<b>Channelization and Striping - Southbound Rainier Ave - Sta 12+70.9 to 42+87.1</b>	5 d	0 d	0 d	NA	NA	Thu 8/7/25	Wed 8/13/25	Thu 8/7/25	Wed 8/13/25
Install Striping, Arrows, Blue Hydrant Markers	2 d	0 d	0 d	NA	NA	Thu 8/7/25	Fri 8/8/25	Thu 8/7/25	Fri 8/8/25
Install Signs	5 d	0 d	0 d	NA	NA	Thu 8/7/25	Wed 8/13/25	Thu 8/7/25	Wed 8/13/25
<b>Channelization and Striping - Northbound Rainier Ave - Sta 12+70.9 to 42+80.29</b>	8 d	0 d	0 d	NA	NA	Mon 8/11/25	Wed 8/20/25	Thu 8/14/25	Wed 8/20/25
Install Signs	5 d	0 d	0 d	NA	NA	Thu 8/14/25	Wed 8/20/25	Thu 8/14/25	Wed 8/20/25

### Force Account Impacts to JUT

Date	Crew Hours	Crews	Force Account Crew Hours
9/4/2023		Labor Day	
9/5/2023	30	1 Day, 2 Night	2
9/6/2023	30	1 Day, 2 Night	
9/7/2023	10	1 Night	
9/8/2023	10	1 Day	6.5
9/11/2023	20	1 Day, 1 Night	4.5
9/12/2023	10	1 Night	9
9/13/2023	20	1 Day, 1 Night	13.5
9/14/2023	20	1 Day, 1 Night	8.5
9/18/2023	20	2 Days	13
9/19/2023	30	2 Days, 1 Night	9
9/20/2023	30	2 Days, 1 Night	12.5
9/21/2023	30	2 Days, 1 Night	10
9/25/2023	20	2 Days	12.5
9/26/2023	20	2 Days	12.5
9/27/2023		Approved Unworkable Day	
9/28/2023	20	2 Days	10
10/2/2023	30	2 Days, 1 Night	1.5
10/3/2023	10	1 Day	4.5
10/4/2023	10	1 Day	5
10/5/2023	10	1 Day	6.5
10/9/2023	10	1 Day	7.5
10/10/2023	10	1 Day	13
10/11/2023	15	1.5 Days	5.5
10/12/2023	20	2 Days	4.5
10/16/2023	20	2 Days	18.5
10/17/2023	20	2 Days	7
10/18/2023	20	2 Days	17
10/19/2023	30	2 Days, 1 Night	0?
10/23/2023	30	2 Days, 1 Night	1.5
10/24/2023	20	2 Days	2
10/25/2023	20	2 Days	4
10/26/2023	20	2 Days	5
10/30/2023	20	2 Days	16
10/31/2023	15	1.5 Days	12
11/1/2023	20	2 Days	16.5
11/2/2023		Approved Unworkable Day	
11/3/2023	20	2 Days	11
	690	86.25	35
	Crew Hours	Crew Days	Force Account Days



<b>Job #</b>	2022-148	<b>Project Name</b>	Rainier Ave. S - Phase 4	<b>Station</b>	
<b>Date:</b>	11/15/2023	<b>Bid Item</b>		<b>Customer</b>	
<b>E.W.O #</b>	PCO-024	<b>Phase</b>		<b>Weather</b>	

**Description**

Labor and Equipment Costs for JUT Excavation and Backfill from September 5, 2023 to November 3, 2023.

**Labor**

Name: First, Last	Class	Hours	O/T Hours	Rate	O/T Rate	Extended
	Foreman 30-50	272	90	\$ 95.35	\$ 124.04	\$ 37,098.80
	Foreman 15-30	299.25	88	\$ 94.96	\$ 122.88	\$ 39,230.22
	Operator 30-50	56				
	Operator 15-30	865.75	21.5	\$ 90.96	\$ 116.91	\$ 81,262.19
	Grader/Pipelayer - Lead			\$ 70.10	\$ -	\$ -
	Grade Checker	467.25	3.5	\$ 86.31	\$ 110.28	\$ 40,714.33
	Laborer	308.5	17.5	\$ 66.61	\$ 87.38	\$ 22,078.34
	Op App - 95	88.75	6.5	\$ 86.41	\$ 111.06	\$ 8,390.98
	Op App - 90	7.25	0	\$ 81.86	\$ 105.22	\$ 593.51
	Op App	102	0.5	\$ 63.67	\$ 81.84	\$ 6,535.46
	Laborer App - 85	3.5	0	\$ 56.62	\$ 74.27	\$ 198.16
	Laboer App	31	2.5	\$ 53.29	\$ 69.90	\$ 1,826.69
				\$ -	\$ -	\$ -

**Equipment**

Description	Year	Hours	Stby Hours	Rate	Stby Rate	Extended
P-XXX FOREMAN TRUCK		250		\$ 32.78	\$ -	\$ 8,195.00
P-XXX FOREMAN TRUCK		303.75		\$ 32.78	\$ -	\$ 9,956.93
P-147:2012 F450 Truck		45		\$ 32.78	\$ -	\$ 1,475.10
WL-112:JD 624K Wheel Loader		59.5		\$ 89.64	\$ -	\$ 5,333.58
WL-121:Volvo L70H Loader		147.75		\$ 89.38	\$ -	\$ 13,205.90
EX-121:JD 35D Mini Excavator		26.5		\$ 46.37	\$ -	\$ 1,228.81
35HB-101: Breaker		26.5		\$ 9.35	\$ -	\$ 247.78
EX-135:Hitachi ZX-245 Excavator		149		\$ 154.34	\$ -	\$ 22,996.66
EX-139:JD 85G Compact Excavator		55		\$ 108.90	\$ -	\$ 5,989.50
75HB-101: Breaker		55		\$ 21.13	\$ -	\$ 1,162.15
EX-142:Hitachi 135N Excavator		92		\$ 122.55	\$ -	\$ 11,274.60
135HB-101: Breaker		92		\$ 29.61	\$ -	\$ 2,724.12
T-133:International Dump Truck		125.5		\$ 72.26	\$ -	\$ 9,068.63
T-156:1987 International F74		158.8		\$ 72.26	\$ -	\$ 11,471.28
ORT-103:Terex On site dumper		40.25		\$ 39.25	\$ -	\$ 1,579.81
LT-102:Light Tower		20.75		\$ 19.12	\$ -	\$ 396.74
				\$ -	\$ -	\$ -

**Materials**

Invoice #	Date	Supplier	Material Type	QTY	Amount

**Subcontractors**

Name:	Date	Type	Work Description	QTY	Amount

**Information Required**

	Contact Agency Inspection Authority
1	Name
2	Notified
3	Time
4	Method
5	

**Cost Breakdown**

	Sub Total	x M/U =	Total
Labor	\$237,928.68	31%	\$311,686.57
Equipment	\$106,306.59	21%	\$128,630.97
Materials	\$0.00	21%	\$0.00
Subcontractor	\$0.00	12%/10%/7%	\$0.00

Calculated Total: \$440,317.54



JUT Shoring Costs

Date	Invoice #	Quantity	Description	Contract #	Date Out	Bill From	Bill To	Total	Billing Type
9/21/2023	383568	1	Steel Plate 8x20x1 (Non-skid)	140109/346269	4/18/2023	9/5/2023	9/13/2023	\$269.46	Cycle/Return
9/21/2023	383568	2	Steel Plate 8x20x1 (Non-skid)	140109/346269	4/18/2023	9/5/2023	10/2/2023	\$970.06	Cycle/Return
9/21/2023	383568	3	2FT Vertical Shore With 52-88in Hydraulic Cylinder	140109/346269	4/18/2023	9/5/2023	9/7/2023	\$162.94	Cycle/Return
10/19/2023	386397	2	Steel Plate 8x20x1 (Non-skid)	140109/346269	4/18/2023	10/3/2023	10/30/2023	\$970.06	Cycle/Return
9/21/2023	383568	2	Steel Plate 8x10x1 (Non-skid)	140249/346727	4/19/2023	9/6/2023	9/7/2023	\$123.60	Cycle/Return
9/21/2023	383568	1	Steel Plate 8x10x1 (Non-skid)	140249/346727	4/19/2023	9/6/2023	9/7/2023	\$61.80	Cycle/Return
10/20/2023	386525	7	Steel Plate 8x10x1 (Non-skid)	140249/346727	4/19/2023	10/4/2023	10/31/2023	\$1,946.70	Cycle/Return
8/30/2023	381565	1	Steel Plate 8x15x1 (Non-skid)	140533/347497	4/24/2023	8/14/2023	9/10/2023	\$369.68	Cycle
9/27/2023	384131	1	Steel Plate 8x15x1 (Non-skid)	140533/347497	4/24/2023	9/11/2023	10/8/2023	\$369.68	Cycle
10/25/2023	386946	1	Steel Plate 8x15x1 (Non-skid)	140533/347497	4/24/2023	10/9/2023	11/5/2023	\$369.68	Cycle
8/30/2023	381565	2	Steel Plate 8x15x1 (Non-skid)	140533/347501	4/24/2023	8/14/2023	9/10/2023	\$739.37	Cycle
9/27/2023	384131	2	Steel Plate 8x15x1 (Non-skid)	140533/347501	4/24/2023	9/11/2023	10/8/2023	\$739.37	Cycle
10/25/2023	386946	2	Steel Plate 8x15x1 (Non-skid)	140533/347501	4/24/2023	10/9/2023	11/5/2023	\$739.37	Cycle
9/2/2023	382037	1	2FT Vertical Shore With 28-46in Hydraulic Cylinder	140785/348421	4/27/2023	8/17/2023	9/13/2023	\$128.02	Cycle
9/30/2023	384597	1	2FT Vertical Shore With 28-46in Hydraulic Cylinder	140785/348421	4/27/2023	9/14/2023	10/11/2023	\$128.02	Cycle
10/28/2023	387351	1	2FT Vertical Shore With 28-46in Hydraulic Cylinder	140785/348421	4/27/2023	10/12/2023	11/8/2023	\$128.02	Cycle
9/8/2023	382503	6	Steel Plate 8x20x1 (Non-skid)	141032/349507	5/3/2023	8/23/2023	9/19/2023	\$1,434.67	Cycle
10/6/2023	385174	1	Steel Plate 8x20x1 (Non-skid)	141032/349507	5/3/2023	9/20/2023	10/4/2023	\$185.98	Cycle/Return
9/12/2023	382767	1	Steel Plate 8x20x1 (Non-skid)	141124/349547	5/3/2023	9/20/2023	9/7/2023	-\$26.57	Credit
10/6/2023	385174	1	Steel Plate 8x20x1 (Non-skid)	141124/349547	5/3/2023	9/20/2023	10/4/2023	\$185.98	Cycle/Return
10/6/2023	385174	2	Steel Plate 8x20x1 (Non-skid)	141124/349547	5/3/2023	9/20/2023	10/4/2023	\$371.95	Cycle/Return
10/6/2023	385174	2	Steel Plate 8x20x1 (Non-skid)	141124/349547	5/3/2023	9/20/2023	10/17/2023	\$478.22	Cycle/Return
11/3/2023	388249	2	Steel Plate 8x20x1 (Non-skid)	141124/349547	5/3/2023	10/18/2023	11/14/2023	\$478.22	Cycle
9/21/2023	383568	3	Steel Plate 8 x 10 x 1	143383/357385	6/13/2023	9/6/2023	9/7/2023	\$103.46	Cycle/Return
9/21/2023	383568	1	Steel Plate 8 x 10 x 1	143383/357385	6/13/2023	9/6/2023	9/7/2023	\$34.49	Cycle/Return
9/22/2023	383726	2	Steel Plate 8 x 10 x 1	143383/357385	6/13/2023	9/6/2023	10/3/2023	\$310.39	Cycle
10/20/2023	386525	6	Steel Plate 8 x 10 x 1	143383/357385	6/14/2023	10/4/2023	10/31/2023	\$931.18	Cycle
10/20/2023	386525	2	Steel Plate 8 x 10 x 1	143383/357385	6/13/2023	10/4/2023	10/31/2023	\$310.39	Cycle
9/21/2023	383568	3	Steel Plate 8 x 10 x 1	143383/357526	6/14/2023	9/6/2023	9/7/2023	\$103.46	Cycle/Return
9/21/2023	383568	1	Steel Plate 8 x 10 x 1	143383/357526	6/14/2023	9/6/2023	9/7/2023	\$34.49	Cycle/Return
9/22/2023	383726	6	Steel Plate 8 x 10 x 1	143383/357526	6/14/2023	9/6/2023	10/3/2023	\$931.18	Cycle
9/8/2023	382503	17	2FT Vertical Shore With 34-55in Hydraulic Cylinder	144227/360208	6/28/2023	8/23/2023	9/19/2023	\$2,313.36	Cycle
10/6/2023	385174	17	2FT Vertical Shore With 34-55in Hydraulic Cylinder	144227/360208	6/28/2023	9/20/2023	10/17/2023	\$2,313.36	Cycle/Return
11/3/2023	388249	17	2FT Vertical Shore With 34-55in Hydraulic Cylinder	144227/360208	6/28/2023	10/18/2023	11/14/2023	\$2,313.36	Cycle
9/21/2023	383568	57	2FT Vertical Shore With 52-88in Hydraulic Cylinder	144432/361057	7/5/2023	8/30/2023	9/7/2023	\$5,159.64	Cycle/Return
9/21/2023	383568	3	2FT Vertical Shore With 52-88in Hydraulic Cylinder	144432/361057	7/5/2023	8/30/2023	9/26/2023	\$488.81	Cycle/Return
10/13/2023	385878	3	2FT Vertical Shore With 52-88in Hydraulic Cylinder	144432/361057	7/5/2023	9/27/2023	10/24/2023	\$488.81	Cycle
11/10/2023	389086	3	2FT Vertical Shore With 52-88in Hydraulic Cylinder	144432/361057	7/5/2023	10/25/2023	11/21/2023	\$488.81	Cycle
9/25/2023	383952	2	Steel Plate 8x10x1 (Non-skid)	144622/361636	7/7/2023	9/4/2023	10/1/2023	\$310.40	Cycle
10/6/2023	385174	1	Steel Plate 8x10x1 (Non-skid)	144622/361636	7/7/2023	10/2/2023	10/5/2023	\$51.73	Cycle/Return
10/23/2023	386761	1	Steel Plate 8x10x1 (Non-skid)	144622/361636	7/7/2023	10/2/2023	10/29/2023	\$155.20	Cycle
9/21/2023	383568	2	Steel Plate 8x10x1 (Non-skid)	144622/361753	7/10/2023	9/4/2023	9/7/2023	\$103.46	Cycle/Return
9/21/2023	383568	2	Steel Plate 8x10x1 (Non-skid)	144622/361753	7/10/2023	9/4/2023	9/7/2023	\$103.46	Cycle/Return
9/21/2023	383568	8	Steel Plate 8 x 10 x 1	144689/361869	7/10/2023	9/4/2023	10/1/2023	\$1,241.57	Cycle/Return
10/6/2023	385174	1	Steel Plate 8 x 10 x 1	144689/361869	7/10/2023	10/2/2023	10/5/2023	\$51.73	Cycle/Return
10/6/2023	385174	1	Steel Plate 8 x 10 x 1	144689/361869	7/10/2023	10/2/2023	10/5/2023	\$51.73	Cycle/Return
10/18/2023	386266	6	Steel Plate 8 x 10 x 1	144689/361869	7/10/2023	10/2/2023	10/29/2023	\$931.18	Cycle
8/26/2023	381273	5	2FT Vertical Shore With 52-88in Hydraulic Cylinder	144891/362645	7/13/2023	8/10/2023	9/6/2023	\$814.68	Cycle
9/23/2023	383829	5	2FT Vertical Shore With 52-88in Hydraulic Cylinder	144891/362645	7/13/2023	9/7/2023	10/4/2023	\$814.68	Cycle
10/21/2023	386641	5	2FT Vertical Shore With 52-88in Hydraulic Cylinder	144891/362645	7/13/2023	10/5/2023	11/1/2023	\$814.68	Cycle
9/6/2023	382256	44	Aluminum Sheet For Build-A-Box Panel With Guide Frame	145267/364719	7/24/2023	8/21/2023	9/17/2023	\$1,805.76	Cycle
9/6/2023	382256	1	10L x 4 Tall Build-A-Box Sheild with 36-60in Static Struts	145267/364719	7/24/2023	8/21/2023	9/17/2023	\$1,715.18	Cycle
9/6/2023	382256	1	6L x 4 Tall Build-A-Box Sheild with 48-72in Static Struts	145267/364719	7/24/2023	8/21/2023	9/17/2023	\$1,581.19	Cycle
9/6/2023	382256	1	6L x 4 Tall Build-A-Box Sheild with 48-72in Static Struts	145267/364719	7/24/2023	8/21/2023	9/17/2023	\$1,581.19	Cycle
10/4/2023	384893	44	Aluminum Sheet For Build-A-Box Panel With Guide Frame	145267/364719	7/24/2023	9/18/2023	10/15/2023	\$1,805.76	Cycle
10/4/2023	384893	1	10L x 4 Tall Build-A-Box Sheild with 36-60in Static Struts	145267/364719	7/24/2023	9/18/2023	10/15/2023	\$1,715.18	Cycle
10/4/2023	384893	1	6L x 4 Tall Build-A-Box Sheild with 48-72in Static Struts	145267/364719	7/24/2023	9/18/2023	10/15/2023	\$1,581.19	Cycle
10/4/2023	384893	1	6L x 4 Tall Build-A-Box Sheild with 48-72in Static Struts	145267/364719	7/24/2023	9/18/2023	10/15/2023	\$1,581.19	Cycle
10/19/2023	386397	14	Aluminum Sheet For Build-A-Box Panel With Guide Frame	145267/364719	7/24/2023	10/16/2023	10/17/2023	\$127.68	Cycle/Return
10/27/2023	387215	11	Aluminum Sheet For Build-A-Box Panel With Guide Frame	145267/364719	7/24/2023	10/16/2023	10/25/2023	\$300.96	Cycle/Return
10/27/2023	387215	1	10L x 4 Tall Build-A-Box Sheild with 36-60in Static Struts	145267/364719	7/24/2023	10/16/2023	10/25/2023	\$1,143.46	Cycle/Return
10/27/2023	387215	1	6L x 4 Tall Build-A-Box Sheild with 48-72in Static Struts	145267/364719	7/24/2023	10/16/2023	10/25/2023	\$1,054.13	Cycle/Return
11/2/2023	388073	19	Aluminum Sheet For Build-A-Box Panel With Guide Frame	145267/364719	7/24/2023	10/16/2023	11/12/2023	\$779.76	Cycle/Return
11/2/2023	388073	1	6L x 4 Tall Build-A-Box Sheild with 48-72in Static Struts	145267/364719	7/24/2023	10/16/2023	11/1/2023	\$1,581.19	Cycle/Return
9/1/2023	381910	4	2FT Vertical Shore With 144-180in Hydraulic Cylinder	145296/364037	7/19/2023	8/16/2023	9/12/2023	\$1,064.45	Cycle
9/1/2023	381910	4	2FT Vertical Shore With 108-144in Hydraulic Cylinder	145296/364037	7/19/2023	8/16/2023	9/12/2023	\$965.66	Cycle
9/29/2023	384514	4	2FT Vertical Shore With 144-180in Hydraulic Cylinder	145296/364037	7/19/2023	9/13/2023	10/10/2023	\$1,064.45	Cycle
9/29/2023	384514	4	2FT Vertical Shore With 108-144in Hydraulic Cylinder	145296/364037	7/19/2023	9/13/2023	10/10/2023	\$965.66	Cycle
10/27/2023	387215	4	2FT Vertical Shore With 144-180in Hydraulic Cylinder	145296/364037	7/19/2023	10/11/2023	11/7/2023	\$1,064.45	Cycle/Return
10/27/2023	387215	4	2FT Vertical Shore With 108-144in Hydraulic Cylinder	145296/364037	7/19/2023	10/11/2023	11/7/2023	\$965.66	Cycle/Return
9/8/2023	382503	92	Aluminum Sheet For Build-A-Box Panel With Guide Frame	145419/365362	7/26/2023	8/23/2023	9/19/2023	\$3,775.68	Cycle
9/8/2023	382503	1	6L x 4 Tall Build-A-Box Sheild with 36-60in Static Struts	145419/365362	7/26/2023	8/23/2023	9/19/2023	\$1,581.19	Cycle
9/8/2023	382503	1	6L x 4 Tall Build-A-Box Sheild with 48-72in Static Struts	145419/365362	7/26/2023	8/23/2023	9/19/2023	\$1,567.80	Cycle
9/8/2023	382503	1	8L x 4 Tall Build-A-Box Sheild with 48-72in Static Struts	145419/365362	7/26/2023	8/23/2023	9/19/2023	\$1,567.80	Cycle
9/8/2023	382503	1	8L x 4 Tall Build-A-Box Sheild with 48-72in Static Struts	145419/365362	7/26/2023	8/23/2023	9/19/2023	\$1,567.80	Cycle
9/8/2023	382503	1	8L x 4 Tall Build-A-Box Sheild with 48-72in Static Struts	145419/365362	7/26/2023	8/23/2023	9/19/2023	\$1,567.80	Cycle
9/8/2023	382503	1	8L x 4 Tall Build-A-Box Sheild with 36-60in Static Struts	145419/365362	7/26/2023	8/23/2023	9/19/2023	\$1,567.80	Cycle
10/6/2023	385174	92	Aluminum Sheet For Build-A-Box Panel With Guide Frame	145419/365362	7/26/2023	9/20/2023	10/17/2023	\$3,775.68	Cycle/Return
10/6/2023	385174	1	6L x 4 Tall Build-A-Box Sheild with 36-60in Static Struts	145419/365362	7/26/2023	9/20/2023	10/17/2023	\$1,581.19	Cycle/Return
10/6/2023	385174	1	8L x 4 Tall Build-A-Box Sheild with 48-72in Static Struts	145419/365362	7/26/2023	9/20/2023	10/17/2023	\$1,567.80	Cycle/Return
10/6/2023	385174	1	8L x 4 Tall Build-A-Box Sheild with 48-72in Static Struts	145419/365362	7/26/2023	9/20/2023	10/17/2023	\$1,567.80	Cycle/Return
10/6/2023	385174	1	8L x 4 Tall Build-A-Box Sheild with 48-72in Static Struts	145419/365362	7/26/2023	9/20/2023	10/17/2023	\$1,567.80	Cycle/Return
10/6/2023	385174	1	8L x 4 Tall Build-A-Box Sheild with 48-72in Static Struts	145419/365362	7/26/2023	9/20/2023	10/17/2023	\$1,567.80	Cycle/Return
10/6/2023	385174	1	8L x 4 Tall Build-A-Box Sheild with 36-60in Static Struts	145419/365362	7/26/2023	9/20/2023	10/17/2023	\$1,567.80	Cycle/Return

Revised JUT Depth - Serial Letters and Change Order Quotation

Date	Invoice #	Quantity	Description	Contract #	Date Out	Bill From	Bill To	Total	Billing Type
10/27/2023	387215	92	Aluminum Sheet For Build-A-Box Panel With Guide Frame	145419/365362	7/26/2023	10/18/2023	10/25/2023	\$1,678.08	Cycle/Return
10/31/2023	387823	1	8L x 4 Tall Build-A-Box Sheild with 48-72in Static Struts	145419/365362	7/26/2023	10/18/2023	10/30/2023	\$1,045.20	Return
10/31/2023	387823	1	8L x 4 Tall Build-A-Box Sheild with 48-72in Static Struts	145419/365362	7/26/2023	10/18/2023	10/30/2023	\$1,045.20	Return
10/31/2023	387823	1	8L x 4 Tall Build-A-Box Sheild with 48-72in Static Struts	145419/365362	7/26/2023	10/18/2023	10/30/2023	\$1,045.20	Return
10/31/2023	387823	1	8L x 4 Tall Build-A-Box Sheild with 36-60in Static Struts	145419/365362	7/26/2023	10/18/2023	10/30/2023	\$1,045.20	Return
11/2/2023	388073	1	6L x 4 Tall Build-A-Box Sheild with 36-60in Static Struts	145419/365362	7/26/2023	10/18/2023	11/1/2023	\$1,229.82	Cycle/Return
9/21/2023	383568	2	Steel Plate 8x20x1 (Non-skid)	145931/366303	7/31/2023	8/28/2023	9/24/2023	\$478.22	Cycle/Return
9/21/2023	383568	2	Steel Plate 8x10x1 (Non-skid)	145931/366303	7/31/2023	8/28/2023	9/7/2023	\$370.80	Cycle/Return
9/21/2023	383568	1	Steel Plate 8x10x1 (Non-skid)	145931/366303	7/31/2023	8/28/2023	9/24/2023	\$185.40	Cycle/Return
9/21/2023	383568	5	Steel Plate 8x10x1 (Non-skid)	145931/366303	7/31/2023	8/28/2023	9/24/2023	\$1,390.50	Cycle/Return
10/6/2023	385174	1	Steel Plate 8x20x1 (Non-skid)	145931/366303	7/31/2023	9/25/2023	10/4/2023	\$159.40	Cycle/Return
10/6/2023	385174	1	Steel Plate 8x10x1 (Non-skid)	145931/366303	7/31/2023	9/25/2023	10/5/2023	\$185.40	Cycle/Return
10/6/2023	385174	1	Steel Plate 8x20x1 (Non-skid)	145931/366303	7/31/2023	9/25/2023	10/5/2023	\$159.40	Cycle/Return
10/16/2023	386124	4	Steel Plate 8x10x1 (Non-skid)	145931/366303	7/31/2023	9/25/2023	10/22/2023	\$1,112.40	Cycle
11/13/2023	389442	4	Steel Plate 8x10x1 (Non-skid)	145931/366303	7/31/2023	10/23/2023	11/19/2023	\$1,112.40	Cycle
9/21/2023	383568	1	Steel Plate 8x20x1 (Non-skid)	145931/366335	7/31/2023	8/28/2023	9/7/2023	\$159.40	Cycle/Return
9/21/2023	383568	1	Steel Plate 8x20x1 (Non-skid)	145931/366335	7/31/2023	8/28/2023	9/13/2023	\$239.10	Cycle/Return
9/21/2023	383568	5	Steel Plate 8x20x1 (Non-skid)	145931/366335	7/31/2023	8/28/2023	9/24/2023	\$1,195.55	Cycle/Return
10/6/2023	385174	1	Steel Plate 8x20x1 (Non-skid)	145931/366335	7/31/2023	9/25/2023	10/4/2023	\$159.40	Cycle/Return
10/6/2023	385174	1	Steel Plate 8x20x1 (Non-skid)	145931/366335	7/31/2023	9/25/2023	10/4/2023	\$159.40	Cycle/Return
10/6/2023	385174	1	Steel Plate 8x20x1 (Non-skid)	145931/366335	7/31/2023	9/25/2023	10/5/2023	\$159.40	Cycle/Return
10/16/2023	386124	2	Steel Plate 8x20x1 (Non-skid)	145931/366335	7/31/2023	9/25/2023	10/22/2023	\$478.22	Cycle
11/13/2023	389442	2	Steel Plate 8x20x1 (Non-skid)	145931/366335	7/31/2023	10/23/2023	11/19/2023	\$478.22	Cycle
9/21/2023	383568	1	Steel Plate 8x20x1 (Non-skid)	145931/366361	7/31/2023	8/28/2023	9/7/2023	\$159.40	Cycle/Return
9/21/2023	383568	24	72-108 Pin in Place Adjustable Static Strut for XLAP & Build-A-Box	145965/366443	7/31/2023	8/28/2023	9/24/2023	\$1,418.69	Cycle/Return
9/21/2023	383568	30	2FT Vertical Shore With 76-112in Hydraulic Cylinder	145965/366443	7/31/2023	8/28/2023	9/24/2023	\$6,406.56	Cycle/Return
10/11/2023	385584	24	72-108 Pin in Place Adjustable Static Strut for XLAP & Build-A-Box	145965/366443	7/31/2023	9/25/2023	10/22/2023	\$1,418.69	Cycle
10/11/2023	385584	30	2FT Vertical Shore With 76-112in Hydraulic Cylinder	145965/366443	7/31/2023	9/25/2023	10/22/2023	\$6,406.56	Cycle
10/27/2023	387215	20	72-108 Pin in Place Adjustable Static Strut for XLAP & Build-A-Box	145965/366443	7/31/2023	10/23/2023	10/25/2023	\$394.08	Cycle/Return
10/31/2023	387823	22	2FT Vertical Shore With 76-112in Hydraulic Cylinder	145965/366443	7/31/2023	10/23/2023	10/30/2023	\$2,088.06	Return
11/2/2023	388073	4	72-108 Pin in Place Adjustable Static Strut for XLAP & Build-A-Box	145965/366443	7/31/2023	10/23/2023	11/1/2023	\$157.63	Cycle/Return
9/21/2023	383568	2	Steel Plate 8 x 10 x 1	146246/367533	8/7/2023	9/4/2023	9/7/2023	\$103.46	Cycle/Return
9/21/2023	383568	13	Steel Plate 8 x 10 x 1	146246/367533	8/7/2023	9/4/2023	10/1/2023	\$2,017.55	Cycle/Return
10/6/2023	385174	3	Steel Plate 8 x 10 x 1	146246/367533	8/7/2023	10/2/2023	10/5/2023	\$155.20	Cycle/Return
10/6/2023	385174	1	Steel Plate 8 x 10 x 1	146246/367533	8/7/2023	10/2/2023	10/5/2023	\$51.73	Cycle/Return
10/18/2023	386266	9	Steel Plate 8 x 10 x 1	146246/367533	8/7/2023	10/2/2023	10/29/2023	\$1,396.76	Cycle
9/21/2023	383568	5	Steel Plate 6 x 10 x 1	146246/367631	8/7/2023	9/4/2023	10/1/2023	\$881.64	Cycle/Return
9/21/2023	383568	4	72-108 Pin in Place Adjustable Static Strut for XLAP & Build-A-Box	146246/367631	8/7/2023	9/4/2023	10/1/2023	\$236.45	Cycle/Return
9/21/2023	383568	8	96-144 Pin in Place Adjustable Static Strut for XLAP & Build-A-Box	146246/367631	8/7/2023	9/4/2023	10/1/2023	\$696.38	Cycle/Return
9/21/2023	383568	4	Steel Plate 8 x 10 x 1	146246/367631	8/7/2023	9/4/2023	9/7/2023	\$206.93	Cycle/Return
9/21/2023	383568	4	Steel Plate 8 x 10 x 1	146246/367631	8/7/2023	9/4/2023	10/1/2023	\$620.78	Cycle/Return
9/21/2023	383568	58	2FT Vertical Shore With 76-112in Hydraulic Cylinder	146246/367631	8/7/2023	9/4/2023	10/1/2023	\$12,386.02	Cycle/Return
9/21/2023	383568	3	2FT Vertical Shore With 94-130in Hydraulic Cylinder	146246/367631	8/7/2023	9/4/2023	9/7/2023	\$227.16	Cycle/Return
9/21/2023	383568	8	2FT Vertical Shore With 94-130in Hydraulic Cylinder	146246/367631	8/7/2023	9/4/2023	10/1/2023	\$1,817.28	Cycle/Return
10/18/2023	386266	5	Steel Plate 6 x 10 x 1	146246/367631	8/7/2023	10/2/2023	10/29/2023	\$881.64	Cycle
10/18/2023	386266	4	72-108 Pin in Place Adjustable Static Strut for XLAP & Build-A-Box	146246/367631	8/7/2023	10/2/2023	10/29/2023	\$236.45	Cycle
10/18/2023	386266	8	96-144 Pin in Place Adjustable Static Strut for XLAP & Build-A-Box	146246/367631	8/7/2023	10/2/2023	10/29/2023	\$696.38	Cycle
10/18/2023	386266	4	Steel Plate 8 x 10 x 1	146246/367631	8/7/2023	10/2/2023	10/29/2023	\$620.78	Cycle
10/18/2023	386266	58	2FT Vertical Shore With 76-112in Hydraulic Cylinder	146246/367631	8/7/2023	10/2/2023	10/29/2023	\$12,386.02	Cycle
10/18/2023	386266	8	2FT Vertical Shore With 94-130in Hydraulic Cylinder	146246/367631	8/7/2023	10/2/2023	10/29/2023	\$1,817.28	Cycle
10/31/2023	387823	12	2FT Vertical Shore With 76-112in Hydraulic Cylinder	146246/367631	8/7/2023	10/30/2023	10/30/2023	\$284.74	Return
10/31/2023	387823	8	2FT Vertical Shore With 94-130in Hydraulic Cylinder	146246/367631	8/7/2023	10/30/2023	10/30/2023	\$201.92	Return
11/2/2023	388073	4	72-108 Pin in Place Adjustable Static Strut for XLAP & Build-A-Box	146246/367631	8/7/2023	10/30/2023	11/1/2023	\$78.82	Cycle/Return
9/21/2023	383568	1	Steel Plate 8x20x1 (Non-skid)	146596/368677	8/11/2023	9/4/2023	9/7/2023	\$79.70	Cycle/Return
9/21/2023	383568	2	Steel Plate 8x20x1 (Non-skid)	146596/368677	8/11/2023	9/4/2023	9/7/2023	\$159.40	Cycle/Return
9/21/2023	383568	2	Steel Plate 8x20x1 (Non-skid)	146596/368677	8/11/2023	9/4/2023	9/13/2023	\$318.80	Cycle/Return
9/25/2023	383952	7	Steel Plate 8x20x1 (Non-skid)	146596/368677	8/11/2023	9/4/2023	10/1/2023	\$1,673.77	Cycle
10/6/2023	385174	2	Steel Plate 8x20x1 (Non-skid)	146596/368677	8/11/2023	10/2/2023	10/4/2023	\$159.40	Cycle/Return
10/6/2023	385174	1	Steel Plate 8x20x1 (Non-skid)	146596/368677	8/11/2023	10/2/2023	10/4/2023	\$79.70	Cycle/Return
10/23/2023	386761	4	Steel Plate 8x20x1 (Non-skid)	146596/368677	8/11/2023	10/2/2023	10/29/2023	\$956.44	Cycle
9/30/2023	384597	10	Steel Plate 6x10x1 (Non-skid)	148467/375166	9/14/2023	9/14/2023	10/11/2023	\$2,992.32	Cycle
9/30/2023	384597	4	2FT Vertical Shore With 144-180in Hydraulic Cylinder	148467/375166	9/14/2023	9/14/2023	10/11/2023	\$1,064.45	Cycle
9/30/2023	384597	4	2FT Vertical Shore With 76-112in Hydraulic Cylinder	148467/375166	9/14/2023	9/14/2023	10/11/2023	\$854.21	Cycle
9/30/2023	384597	6	2FT Vertical Shore With 108-144in Hydraulic Cylinder	148467/375166	9/14/2023	9/14/2023	10/11/2023	\$1,448.50	Cycle
10/28/2023	387351	10	Steel Plate 8x20x1 (Non-skid)	148467/375166	9/14/2023	10/12/2023	11/8/2023	\$2,992.32	Cycle
10/28/2023	387351	4	2FT Vertical Shore With 144-180in Hydraulic Cylinder	148467/375166	9/14/2023	10/12/2023	11/8/2023	\$1,064.45	Cycle
10/28/2023	387351	4	2FT Vertical Shore With 76-112in Hydraulic Cylinder	148467/375166	9/14/2023	10/12/2023	11/8/2023	\$854.21	Cycle
10/28/2023	387351	6	2FT Vertical Shore With 108-144in Hydraulic Cylinder	148467/375166	9/14/2023	10/12/2023	11/8/2023	\$1,448.50	Cycle
10/6/2023	385174	10	2FT Vertical Shore With 76-112in Hydraulic Cylinder	148760/376404	9/20/2023	9/20/2023	10/17/2023	\$2,135.52	Cycle/Return
11/3/2023	388249	10	2FT Vertical Shore With 76-112in Hydraulic Cylinder	148760/376404	9/20/2023	10/18/2023	11/14/2023	\$2,135.52	Cycle
			Trucking Fees (\$185 per Cycle/Return)					\$16,095.00	
			Subtotal					\$409,007.22	
			1.5% Enviromental Fee					\$6,135.11	
			1.2% WA State Heavy Rental Equipment Tax					\$4,908.09	
			10.25% Slaes Tax					\$41,923.24	
			<b>Total Shoring Costs</b>					<b>\$461,973.65</b>	
			Pivetta Markup					\$97,014.47	
			<b>Total Cost</b>					<b>\$558,988.12</b>	



**Serial Letter: 033 Rev. 2**

December 27, 2023

**To:** Michelle Faltaous  
City of Renton  
1055 South Grady Way  
Renton, Washington 98057

**Reference Project:** CAG-22-163, Rainier Ave S Corridor Improvements – Phase 4 Project

**Subject:** December Project Schedule Update

Mrs. Michelle Faltaous:

As previously indicated and discussed with the City’s project team, Pivetta Brothers Construction, Inc (Pivetta) performed a monthly update of the Project’s Approved Baseline Project Schedule (Submittal #72 rev. 1) to understand the current delays and how they’re impacting the progress of the project. This update used a data date of 12/22/2023 to determine the current impacts for the project through the end of the year. The changes made to this schedule update are highlighted in red font and include the following:

- The finish-to-start tie between Physical Completion Date (Row 7) and Contractual Physical Completion Date (500 Working Days) (Row 8) was removed. This allowed the Free Slack (Total Float) to properly calculate the Working Day delay between the contractual baseline of 500 Working Days and the currently projected completion date of 10/2/2025.
- 5 Non-working Weather Days were added to the Project Calendar for 9/27/2023, 11/2/2023, and 12/4/2023 through 12/6/2023.
- A 9 Working Day activity was added to document the contaminated soils encountered near Auto Zone (Row 86)
- A 5 Working Day activity was added for the JUT Victoria Street installation added by CO-09 (Row 89).
- The JUT conduit installation for Watson Security to Renton Ave was split into two activities (Rows 95 and 96) to show how this work was performed in conjunction with the Victoria Street work.
- A 2 Working Day activity was added to document the contaminated soils encountered at the Brown Bear lot (Row 97).

Along with these updates, the following corrections were made to activities previously updated:

- The correct completion date for the JUT conduit installation for Walgreens to Sansonia (Row 67) was entered.
- The correct completion date for the JUT conduit installation for the Vacant lot to Formula 1 Fast Lube (Row 80) was entered.

Based on this current schedule update, the total expected construction period for the project is now 629 Working Days, which is an additional 18 Working Days beyond the 11/3/2023 schedule update provided with letter L-024 November Schedule Update and Impacts.

<u>Schedule</u>	<u>Start Date</u>	<u>Finish Date</u>	<u>Working Days</u>
Approved Baseline	3/15/2023	3/25/2025	500
7/31/2023 Schedule Update	3/13/2023	6/20/2025	563
8/31/2023 Schedule Update	3/13/2023	7/7/2025	572
11/3/2023 Schedule Update	3/13/2023	8/20/2025	611
12/22/2023 Schedule Update	3/13/2023	10/2/2025	629

The extended construction duration is driven by the current installation of the Joint Utility Trench and a summary of the impacts and mitigation efforts are as follows:

CO-08 JUT Material Delay	33 Working Days
Victoria St Addition (FD-26/PCO-20)	5 Working Days
Contaminated Soils at Auto Zone	9 Working Days
Contaminated Soils at Brown Bear	2 Working Days
Force Account Days (Prorated by Crews)	46 Working Days
JUT Shoring Design Impacts	52 Working Days
<hr/>	
Deleted Crossing at STA 23+80	-2 Working Days
Install Vaults for Watson Sec to Taco Time, 2 <sup>nd</sup> St, and Metro PCS Early	-5 Working Days
Hertz/Lyft to Taco Time Concurrent with Others	-8 Working Days
Victoria St Early Completion	-3 Working Days
<b>Total Days of Delay</b>	<b>129 Working Days</b>

There have been a number of issues surrounding the installation of the JUT and Pivetta has identified those delays in serial letters L-015, L-018, L019, and L024. In an effort to mitigate these delays, Pivetta has continued to add crews to assist with the JUT installation and adjusted some of our activities. Even with these additional crews and mitigation efforts, the project has continued to fall behind due to the number of Force Account issues encountered and changes to the JUT Design that have resulted in more complex shoring. A breakdown of which schedule activities have been impacted is provided in the attached worksheet, 2023-12-22 Impact Analysis.

Pursuant to sections 1-04.4 and 1-08.8, Pivetta is seeking additional costs and time for these impacts.

**Ongoing Proactive Mitigation**

To proactively mitigate the delays to the project, Pivetta provided additional crews to construct the JUT. The crew size and assignment was based on the work being performed, with the priority being to complete the JUT activities since they are on the critical path. The number of crews assigned to work on the JUT are identified in the attached worksheet, Force Account Impacts to Joint Utility Trench. This demonstrates that to date, Pivetta has had 216 Crew Days since starting the JUT on 6/12/2023 (assuming a 5-day work week).

Other mitigation impacts included:

- Installing the vaults for Watson Security to Taco Time, 2<sup>nd</sup> St, and Metro PCS with a separate crew and removing it from the critical path.

- Installing the JUT run from Hertz/Lyft to Taco Time concurrently with the Watson Security to Taco Time section of JUT to remove it from the critical path.

### **Impacts Due to Force Account Tickets**

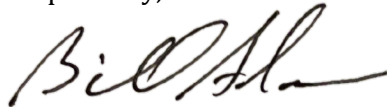
Based on the Force Account tickets approved by the City, the JUT installation activities on the project's critical path were delayed 48 Working Days. A summary of these hours is provided in the attached worksheet, Force Account Impacts to Joint Utility Trench. This was calculated by taking the number of crew hours documented by Force Account ticket and dividing them by the total number of crew hours worked that day. This percentage was then multiplied by 8 hours to determine the percentage of a work day that was impacted. This time was then added up to calculate the total number of work days impacted by Force Account. The attached worksheet 2023-12-22 Impact Analysis identifies which critical path activity was impacted by the Force Account work and how much of the delay has been assigned.

### **Shoring Changes to the JUT Design**

The major impact that our additional crews absorbed was caused by the more complex shoring design required by the changes in the JUT design (see Serial Letter L018, PCO-024 JUT Shoring Change). The attached worksheet 2023-12-22 Impact Analysis identifies which critical path activity was impacted by the shoring changes and how much of the delay has been assigned.

We appreciate the City of Renton's efforts to resolve issues as they arise and keep the project moving forward. Pivetta will continue working to limit the additional costs associated with the unforeseen delays. Please feel free to contact me at (206) 914-2723, if you have any questions or concerns.

Respectfully,



Bill Adams  
Sr. Project Manager

w/ Attachments:

2023-12-22 Rainier Ave Schedule Update Rev 1.pdf  
2023-12-22 Rainier Ave Schedule Update Rev 1.mpp  
2023-12-22 Impact Analysis Rev 1  
Force Account Impacts to Joint Utility Trench Rev 1

Cc:

Jordan Howe, Perteet  
Russ Owen, Pivetta  
Alan Guthmiller, Golden Gate Electric



ID	Task Name	Duration	Total Slack	Free Slack	Actual Start	Actual Finish	Early Start	Early Finish	Late Start	Late Finish	Predecessors	Text2
0	<b>Rainier Ave Phase 4 Project Schedule</b>	<b>715 d?</b>	<b>0 d?</b>	<b>0 d?</b>	<b>Wed 11/2/22</b>	<b>NA</b>	<b>Wed 11/2/22</b>	<b>Thu 10/2/25</b>	<b>Wed 11/2/22</b>	<b>Thu 10/2/25</b>		
1												
2	Bid Opening Date	1 d	0 d	0 d	Wed 11/2/22	Wed 11/2/22	Wed 11/2/22	Wed 11/2/22	Wed 11/2/22	Wed 11/2/22		Project Overview
3	Award Date (w/in 45 calendar days after opening bids)	1.13 d	0 d	0 d	Tue 12/13/22	Tue 12/13/22	Tue 12/13/22	Tue 12/13/22	Tue 12/13/22	Tue 12/13/22	2FS+45 d	Project Overview
4	Contract Execution Date	1 d	0 d	0 d	Thu 12/22/22	Thu 12/22/22	Thu 12/22/22	Thu 12/22/22	Thu 12/22/22	Thu 12/22/22	3	Project Overview
5	Notice to Proceed Date	1 d	0 d	0 d	Mon 3/13/23	Mon 3/13/23	Mon 3/13/23	Mon 3/13/23	Mon 3/13/23	Mon 3/13/23	3,20FS+8 d	Project Overview
6	Substantial Completion Date	0 d	0 d	0 d	NA	NA	Thu 10/2/25	Thu 10/2/25	Thu 10/2/25	Thu 10/2/25	520,524,308,338,456,272,455,523	Project Overview
7	Physical Completion Date	0 d	0 d	0 d	NA	NA	Thu 10/2/25	Thu 10/2/25	Thu 10/2/25	Thu 10/2/25	5,6	Project Overview
8	Contractual Physical Completion Date (500 working days)	0 d	129 d	129 d	NA	NA	Mon 3/31/25	Mon 3/31/25	Thu 10/2/25	Thu 10/2/25	5FS+500 d	Project Overview
9												
10	<b>Preconstruction</b>	<b>164 d</b>	<b>0 d</b>	<b>0 d</b>	<b>Sun 2/12/23</b>	<b>Fri 10/6/23</b>	<b>Sun 2/12/23</b>	<b>Fri 10/6/23</b>	<b>Sun 2/12/23</b>	<b>Fri 10/6/23</b>	<b>4</b>	
11	Submit Contractor's Health and Safety Plan	0 d	0 d	0 d	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23		Pivetta - Administration
12	Prepare/Submit Confined Space Entry Program	5 d	0 d	0 d	Mon 10/2/23	Fri 10/6/23	Mon 10/2/23	Fri 10/6/23	Mon 10/2/23	Fri 10/6/23	5	Pivetta - Administration
13	Prepare/Submit Shoring and Excavation Plan	3 d	0 d	0 d	Wed 2/15/23	Fri 2/17/23	Wed 2/15/23	Fri 2/17/23	Wed 2/15/23	Fri 2/17/23	4	Pivetta - Administration
14	Prepare/Submit Breakdown of Lump Sum Bid Items	5 d	0 d	0 d	Sun 2/12/23	Fri 2/17/23	Sun 2/12/23	Fri 2/17/23	Sun 2/12/23	Fri 2/17/23	4	Pivetta - Administration
15	Prepare/Submit Preliminary QPL/RAM for Jobsite Materials	5 d	0 d	0 d	Mon 10/2/23	Fri 10/6/23	Mon 10/2/23	Fri 10/6/23	Mon 10/2/23	Fri 10/6/23	4	Pivetta - Administration
16	Prepare/Submit Preliminary Schedule of Working Drawing Submittals	5 d	0 d	0 d	Mon 10/2/23	Fri 10/6/23	Mon 10/2/23	Fri 10/6/23	Mon 10/2/23	Fri 10/6/23	4	Pivetta - Administration
17	Submit Work Hour Variance to CoR	0 d	0 d	0 d	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	4	Pivetta - Administration
18	Prepare/Submit Type 2 Working Drawings for Field Office	1 d	0 d	0 d	Thu 3/2/23	Thu 3/2/23	Thu 3/2/23	Thu 3/2/23	Thu 3/2/23	Thu 3/2/23	4	Pivetta - Administration
19	Submit Preliminary Type B Schedule	1 d	0 d	0 d	Tue 2/21/23	Tue 2/21/23	Tue 2/21/23	Tue 2/21/23	Tue 2/21/23	Tue 2/21/23	4	Pivetta - Administration
20	Attend Preconstruction Conference	1 d	0 d	0 d	Wed 2/22/23	Wed 2/22/23	Wed 2/22/23	Wed 2/22/23	Wed 2/22/23	Wed 2/22/23	4FS+49 d,11,14,15,16,17,18,19	City of Renton
21												
22	Submit Final Type B Progress Schedule	1 d	0 d	0 d	Mon 3/20/23	Mon 3/20/23	Mon 3/20/23	Mon 3/20/23	Mon 3/20/23	Mon 3/20/23	20	Pivetta - Administration
23	Prepare/Submit Project Specific Traffic Control Plan	0 d	0 d	0 d	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	4	Pivetta - Administration
24	Prepare/Submit Confined Space Program Plan	5 d	0 d	0 d	Mon 10/2/23	Fri 10/6/23	Mon 10/2/23	Fri 10/6/23	Mon 10/2/23	Fri 10/6/23	4	Pivetta - Administration
25	Submit/Fabricate Sample Project Identification Signs to CoR	5 d	0 d	0 d	Mon 2/20/23	Mon 2/27/23	Mon 2/20/23	Mon 2/27/23	Mon 2/20/23	Mon 2/27/23	4	Pivetta - Administration
26	Prepare/Submit Dewatering Plan (Waiting on RFI-007 submitted 2/20/2023)	5 d	0 d	0 d	Mon 10/2/23	Fri 10/6/23	Mon 10/2/23	Fri 10/6/23	Mon 10/2/23	Fri 10/6/23	4	Pivetta - Administration
27	Prepare/Submit Contaminated Soil and GW Handling and Mgmt Plan	0 d	0 d	0 d	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	4	Pivetta - Administration
28	Request JUT Structures and Conduit	1 d	0 d	0 d	Wed 3/8/23	Wed 3/8/23	Wed 3/8/23	Wed 3/8/23	Wed 3/8/23	Wed 3/8/23	20	Pivetta - Administration
29	Utility Preconstruction Meeting	1 d	0 d	0 d	Thu 3/16/23	Thu 3/16/23	Thu 3/16/23	Thu 3/16/23	Thu 3/16/23	Thu 3/16/23	5FS+2 d	City of Renton
30												
31	Setup/Install Temporary Field Offices	0 d	0 d	0 d	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	20	Pivetta
32	Complete Project Existing Conditions Survey	4 d	0 d	0 d	Mon 3/13/23	Fri 3/17/23	Mon 3/13/23	Fri 3/17/23	Mon 3/13/23	Fri 3/17/23	5	Pivetta - Administration
33	Control and Staking	0 d	0 d	0 d	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	5	North Peak
34												
35	<b>Rainier Ave. S. - Construction Duration</b>	<b>630 d?</b>	<b>0 d?</b>	<b>0 d?</b>	<b>Mon 3/13/23</b>	<b>NA</b>	<b>Mon 3/13/23</b>	<b>Thu 10/2/25</b>	<b>Mon 3/13/23</b>	<b>Thu 10/2/25</b>	<b>5,13</b>	
36	<b>Mobilization</b>	<b>107 d</b>	<b>0 d</b>	<b>0 d</b>	<b>Mon 3/13/23</b>	<b>Fri 8/11/23</b>	<b>Mon 3/13/23</b>	<b>Fri 8/11/23</b>	<b>Mon 3/13/23</b>	<b>Fri 8/11/23</b>		
37	CCTV and Flush Sewer Lines	0 d	0 d	0 d	Tue 8/1/23	Tue 8/1/23	Tue 8/1/23	Tue 8/1/23	Tue 8/1/23	Tue 8/1/23	5,12	Insituform
38	Fence Removal and Reinstallation	5 d	0 d	0 d	Tue 8/1/23	Mon 8/7/23	Tue 8/1/23	Mon 8/7/23	Tue 8/1/23	Mon 8/7/23	33SS	Pivetta
39	Sewer Manhole Delivery	39 d	0 d	0 d	Fri 6/16/23	Fri 8/11/23	Fri 6/16/23	Fri 8/11/23	Fri 6/16/23	Fri 8/11/23	5	Pivetta - Administration
40												
41	<b>Potholing</b>	<b>42 d</b>	<b>0 d</b>	<b>0 d</b>	<b>Mon 3/13/23</b>	<b>Tue 5/9/23</b>	<b>Mon 3/13/23</b>	<b>Tue 5/9/23</b>	<b>Mon 3/13/23</b>	<b>Tue 5/9/23</b>		
42	Pothole South Rainier Ave - STA 15+25 to 25+00	17 d	0 d	0 d	Mon 3/13/23	Wed 4/5/23	Mon 3/13/23	Wed 4/5/23	Mon 3/13/23	Wed 4/5/23	5,23	
43	Pothole North Rainier Ave - STA 25+00 to 42+85	24 d	0 d	0 d	Wed 4/5/23	Tue 5/9/23	Wed 4/5/23	Tue 5/9/23	Wed 4/5/23	Tue 5/9/23	42	
44	Pothole Side Streets	0 d	0 d	0 d	Thu 5/4/23	Thu 5/4/23	Thu 5/4/23	Thu 5/4/23	Thu 5/4/23	Thu 5/4/23	43	
45												
46	<b>Stage 1 (West)</b>	<b>432 d?</b>	<b>187 d?</b>	<b>187 d?</b>	<b>Tue 3/28/23</b>	<b>NA</b>	<b>Tue 3/28/23</b>	<b>Mon 1/6/25</b>	<b>Tue 3/28/23</b>	<b>Thu 10/2/25</b>	<b>5</b>	
47	<b>Site Prep - Sta 13+93.10 to 40+80.29</b>	<b>133.25 d</b>	<b>0 d</b>	<b>0 d</b>	<b>Tue 3/28/23</b>	<b>Fri 10/6/23</b>	<b>Tue 3/28/23</b>	<b>Fri 10/6/23</b>	<b>Tue 3/28/23</b>	<b>Fri 10/6/23</b>		
48	Install Project Identification and Business Owner Signs	1 d	0 d	0 d	Tue 3/28/23	Tue 3/28/23	Tue 3/28/23	Tue 3/28/23	Tue 3/28/23	Tue 3/28/23	4	Pivetta
49	Install High Visibility Fence/Inspection by CoR	1 d	0 d	0 d	Wed 3/29/23	Wed 3/29/23	Wed 3/29/23	Wed 3/29/23	Wed 3/29/23	Wed 3/29/23	4	Pivetta
50	Install TESC- Stage 1	28 d	0 d	0 d	Wed 3/29/23	Fri 5/5/23	Wed 3/29/23	Fri 5/5/23	Wed 3/29/23	Fri 5/5/23	4	Pivetta
51	Clear & Grub - Stage 1 (Work Progressing as Needed with Other Activities)	2.25 d	0 d	0 d	Wed 6/21/23	Mon 4/24/23	Wed 6/21/23	Mon 4/24/23	Wed 6/21/23	Mon 4/24/23	50	Pivetta
52	Complete Removals	5 d	0 d	0 d	Mon 4/24/23	Fri 10/6/23	Mon 4/24/23	Fri 10/6/23	Mon 4/24/23	Fri 10/6/23	51	Pivetta
53	Relocate Bus Shelter - Sta 27+45.48	3 d	0 d	0 d	Mon 4/24/23	Wed 4/26/23	Mon 4/24/23	Wed 4/26/23	Mon 4/24/23	Wed 4/26/23	5	Pivetta
54	<b>Temporary Channelization and Signalization - Sta 13+95 to 43+63.00</b>	<b>14 d</b>	<b>0 d</b>	<b>0 d</b>	<b>Wed 4/5/23</b>	<b>Mon 4/24/23</b>	<b>Wed 4/5/23</b>	<b>Mon 4/24/23</b>	<b>Wed 4/5/23</b>	<b>Mon 4/24/23</b>		
55	<b>Portable Temporary Signal System (SW Sunset/S 3rd St.) (2nd St.) (Airport Way/Renton Ave)</b>	<b>6 d</b>	<b>0 d</b>	<b>0 d</b>	<b>Wed 4/5/23</b>	<b>Wed 4/12/23</b>	<b>Wed 4/5/23</b>	<b>Wed 4/12/23</b>	<b>Wed 4/5/23</b>	<b>Wed 4/12/23</b>		
56	Pull Wire to Tie In Temp Signal	2 d	0 d	0 d	Wed 4/5/23	Thu 4/6/23	Wed 4/5/23	Thu 4/6/23	Wed 4/5/23	Thu 4/6/23	48	Golden Gate
57	Video Detection Camera Installation	1 d	0 d	0 d	Wed 4/12/23	Wed 4/12/23	Wed 4/12/23	Wed 4/12/23	Wed 4/12/23	Wed 4/12/23	56SS+2 d	Golden Gate
58	Install Portable Signal System	1 d	0 d	0 d	Wed 4/12/23	Wed 4/12/23	Wed 4/12/23	Wed 4/12/23	Wed 4/12/23	Wed 4/12/23	57	Golden Gate
59	Adjust and Modify Signals	1 d	0 d	0 d	Wed 4/12/23	Wed 4/12/23	Wed 4/12/23	Wed 4/12/23	Wed 4/12/23	Wed 4/12/23	58	Golden Gate
60	<b>Temporary Channelization - Sta 13+95 to 43+63.00</b>	<b>9 d</b>	<b>0 d</b>	<b>0 d</b>	<b>Wed 4/12/23</b>	<b>Mon 4/24/23</b>	<b>Wed 4/12/23</b>	<b>Mon 4/24/23</b>	<b>Wed 4/12/23</b>	<b>Mon 4/24/23</b>		
61	Install Stage 1 Construction Channelization and Striping - South of Airport Way	0 d	0 d	0 d	Wed 4/12/23	Wed 4/12/23	Wed 4/12/23	Wed 4/12/23	Wed 4/12/23	Wed 4/12/23	57,59,58,56,53,48FF	SPM
62	Install Stage 1 Construction Channelization and Striping - North of Airport Way	1 d	0 d	0 d	Mon 4/24/23	Mon 4/24/23	Mon 4/24/23	Mon 4/24/23	Mon 4/24/23	Mon 4/24/23	61	SPM
63	<b>Joint Utility Trench - Sta 15+25 to 42+85</b>	<b>216 d?</b>	<b>0 d?</b>	<b>0 d?</b>	<b>Tue 3/28/23</b>	<b>NA</b>	<b>Tue 3/28/23</b>	<b>Tue 2/20/24</b>	<b>Tue 3/28/23</b>	<b>Tue 2/20/24</b>		
64	<b>JUT - Walgreens to Sansonia (Sections A, EE, AA) - Sta 15+25 to Sta 18+40</b>	<b>87 d</b>	<b>0 d</b>	<b>0 d</b>	<b>Tue 3/28/23</b>	<b>Mon 7/31/23</b>	<b>Tue 3/28/23</b>	<b>Mon 7/31/23</b>	<b>Tue 3/28/23</b>	<b>Mon 7/31/23</b>		
65	Receive Vaults and Conduits from Utilities	10 d	0 d	0 d	Mon 6/5/23	Tue 3/28/23	Mon 6/5/23	Tue 3/28/23	Mon 6/5/23	Tue 3/28/23	5,28	Utilities
66	Install Vaults	3.5 d	0 d	0 d	Thu 5/11/23	Wed 6/7/23	Thu 5/11/23	Wed 6/7/23	Thu 5/11/23	Wed 6/7/23	65,74,42	Pivetta - JUT
67	Install Conduits	34 d	0 d	0 d	Mon 6/12/23	Mon 7/31/23	Mon 6/12/23	Mon 7/31/23	Mon 6/12/23	Mon 7/31/23	66	Pivetta - JUT/Golden Gate/PSE - Ga
68	<b>JUT - Night/Stage 2 - Hertz/Lyft to Taco Time - Sta 14+21.6 to 18+40</b>	<b>104 d</b>	<b>0 d</b>	<b>0 d</b>	<b>Tue 3/28/23</b>	<b>Wed 8/23/23</b>	<b>Tue 3/28/23</b>	<b>Wed 8/23/23</b>	<b>Tue 3/28/23</b>	<b>Wed 8/23/23</b>		
69	Receive Vaults and Conduits from Utilities	6 d	0 d	0 d	Tue 3/28/23	Tue 5/30/23	Tue 3/28/23	Tue 5/30/23	Tue 3/28/23	Tue 5/30/23	28	Utilities
70	Install Vaults	2 d	0 d	0 d	Tue 8/1/23	Mon 7/31/23	Tue 8/1/23	Mon 7/31/23	Tue 8/1/23	Mon 7/31/23	69	Pivetta - JUT
71	Install Conduits	8 d	0 d	0 d	Mon 8/14/23	Wed 8/23/23	Mon 8/14/23	Wed 8/23/23	Mon 8/14/23	Wed 8/23/23	75,70	Pivetta - JUT/Golden Gate/PSE - Ga
72	<b>JUT - Night/Crossing - Watson Sec to Taco Time, Across 2nd St., Vacant to Metro PCS - Sta 18+40 to 20+10</b>	<b>108 d</b>	<b>0 d</b>	<b>0 d</b>	<b>Tue 3/28/23</b>	<b>Tue 8/29/23</b>	<b>Tue 3/28/23</b>	<b>Tue 8/29/23</b>	<b>Tue 3/28/23</b>	<b>Tue 8/29/23</b>		
73	Receive Vaults and Conduits from Utilities	10 d	0 d	0 d	Tue 3/28/23	Mon 6/5/23	Tue 3/28/23	Mon 6/5/23	Tue 3/28/23	Mon 6/5/23	28	Utilities
74	Install Vaults	12 d	0 d	0 d	Tue 6/20/23	Fri 7/7/23	Tue 6/20/23	Fri 7/7/23	Tue 6/20/23	Fri 7/7/23	73,42	Pivetta - JUT
75	Install Conduits	21 d	0 d	0 d	Tue 8/1/23	Tue 8/29/23	Tue 8/1/23	Tue 8/29/23	Tue 8/1/23	T		



ID	Task Name	Duration	Total Slack	Free Slack	Actual Start	Actual Finish	Early Start	Early Finish	Late Start	Late Finish	Predecessors	Text2	2023	2024	2025	2026
76	JUT - Night/Stage 2 - Vacant to Formula 1 Fast Lube - Sta 20+10 to 25+20	114 d	0 d	0 d	Tue 3/28/23	Thu 9/7/23	Tue 3/28/23	Thu 9/7/23	Tue 3/28/23	Thu 9/7/23						
77	Remove/Relocate Bus Shelter - Sta 24+59.90	4 d	0 d	0 d	Mon 6/12/23	Thu 6/15/23	Mon 6/12/23	Thu 6/15/23	Mon 6/12/23	Thu 6/15/23	5	Pivetta - JUT				
78	Receive Vaults and Conduits from Utilities	1 d	0 d	0 d	Tue 3/28/23	Wed 6/21/23	Tue 3/28/23	Wed 6/21/23	Tue 3/28/23	Wed 6/21/23	28	Utilities				
79	Install Vaults	4 d	0 d	0 d	Wed 8/30/23	Tue 9/5/23	Wed 8/30/23	Tue 9/5/23	Wed 8/30/23	Tue 9/5/23	78,77,70					
80	Install Conduits	6 d	0 d	0 d	Wed 8/30/23	Thu 9/7/23	Wed 8/30/23	Thu 9/7/23	Wed 8/30/23	Thu 9/7/23	79	Pivetta - JUT/Golden Gate/PSE - Ga				
81	JUT - Big Island Poke to Watson Security (Sections B, C, F, D, R, K, M, JJ, DD, LL, E, G, H, Z) - Sta 19+00 to 24+80	153 d	0 d	0 d	Tue 3/28/23	Fri 11/3/23	Tue 3/28/23	Fri 11/3/23	Tue 3/28/23	Fri 11/3/23						
82	Receive Vaults and Conduits from Utilities	1 d	0 d	0 d	Tue 3/28/23	Wed 6/21/23	Tue 3/28/23	Wed 6/21/23	Tue 3/28/23	Wed 6/21/23	28	Utilities				
83	Install Vaults (J07 Installed Last with RFI-072)	0 d	0 d	0 d	Mon 5/15/23	Mon 7/17/23	Mon 5/15/23	Mon 7/17/23	Mon 5/15/23	Mon 7/17/23	82,65,79	Pivetta - JUT				
84	Install Conduits	38 d	0 d	0 d	Mon 9/11/23	Fri 11/3/23	Mon 9/11/23	Fri 11/3/23	Mon 9/11/23	Fri 11/3/23						
85	Install Conduits	23 d	0 d	0 d	Mon 9/11/23	Fri 11/3/23	Mon 9/11/23	Fri 11/3/23	Mon 9/11/23	Fri 11/3/23	82,83,282,67,71,80	Pivetta - JUT/Golden Gate/PSE - Ga				
86	Contaminated Soils at STA 21+50	9 d	0 d	0 d	Thu 9/28/23	Tue 10/10/23	Thu 9/28/23	Tue 10/10/23	Thu 9/28/23	Tue 10/10/23	85SS					
87	JUT - Night/Power Crossting - Sta 23+80	3 d	0 d	0 d	Mon 10/2/23	Wed 10/4/23	Mon 10/2/23	Wed 10/4/23	Mon 10/2/23	Wed 10/4/23						
88	Install Conduits (Deleted Per FD)	3 d	0 d	0 d	Mon 10/2/23	Wed 10/4/23	Mon 10/2/23	Wed 10/4/23	Mon 10/2/23	Wed 10/4/23						
89	JUT - Victoria Street (CO-09)	8 d	0 d	0 d	Mon 11/20/23	Fri 12/1/23	Mon 11/20/23	Fri 12/1/23	Mon 11/20/23	Fri 12/1/23						
90	Install Conduits	8 d	0 d	0 d	Mon 11/20/23	Fri 12/1/23	Mon 11/20/23	Fri 12/1/23	Mon 11/20/23	Fri 12/1/23	95					
91	JUT - Watson Security to Renton Ave. Ext (NO PSE Gas) - Sta 24+80 to 31+90	189 d?	27 d?	27 d?	Tue 3/28/23	NA	Tue 3/28/23	Wed 1/10/24	Tue 3/28/23	Wed 1/10/24						
92	Receive Vaults and Conduits from Utilities	1 d	0 d	0 d	Tue 3/28/23	Wed 6/21/23	Tue 3/28/23	Wed 6/21/23	Tue 3/28/23	Wed 6/21/23	28	Utilities				
93	Install Vaults	12 d	0 d	0 d	Tue 5/23/23	Tue 10/17/23	Tue 5/23/23	Tue 10/17/23	Tue 5/23/23	Tue 10/17/23	82,83,43	Pivetta - JUT				
94	Install Conduits	9 d?	27 d?	20 d?	Mon 11/6/23	NA	Mon 11/6/23	Fri 11/17/23	Mon 11/6/23	Wed 1/10/24	93	Pivetta - JUT/Golden Gate/PSE - Ga				
95	Watson Security to Hayes	4 d	0 d	0 d	Mon 11/6/23	Fri 11/17/23	Mon 11/6/23	Fri 11/17/23	Mon 11/6/23	Fri 11/17/23	85					
96	Hayes to Renton Ave	7 d	0 d	0 d	Mon 12/4/23	NA	Mon 12/4/23	Wed 1/10/24	Mon 12/4/23	Wed 1/10/24	95,90					
97	Contaminated Soil @ STA 28+75	2 d	0 d	0 d	Tue 12/12/23	Wed 12/13/23	Tue 12/12/23	Wed 12/13/23	Tue 12/12/23	Wed 12/13/23	96SS					
98	PSE Pole Removal and Installation - S. Tobin St. - Sta 501+51.37	2 d	32 d	32 d	NA	NA	Tue 1/2/24	Wed 1/3/24	Fri 2/16/24	Tue 2/20/24	94	PSE - Electric				
99	JUT - Night/Power Crossing - Tobin St, Sta 28+75 and 30+28	4 d	0 d	0 d	NA	NA	Thu 1/11/24	Wed 1/17/24	Thu 1/11/24	Wed 1/17/24						
100	Install Conduits	4 d	0 d	0 d	NA	NA	Thu 1/11/24	Wed 1/17/24	Thu 1/11/24	Wed 1/17/24	94,96	Pivetta - JUT/Golden Gate/PSE - Ga				
101	JUT - Night/Crossing Renton Ave Ext - Sta 31+90 to 33+00	198 d	0 d	0 d	Tue 3/28/23	NA	Tue 3/28/23	Wed 1/24/24	Tue 3/28/23	Wed 1/24/24						
102	Receive Vaults and Conduits from Utilities	1 d	0 d	0 d	Tue 3/28/23	Wed 6/21/23	Tue 3/28/23	Wed 6/21/23	Tue 3/28/23	Wed 6/21/23	28	Utilities				
103	Install Vaults	4 d	0 d	0 d	Mon 10/2/23	Thu 10/5/23	Mon 10/2/23	Thu 10/5/23	Mon 10/2/23	Thu 10/5/23	102,62	Pivetta - JUT				
104	Install Conduits	5 d	0 d	0 d	NA	NA	Thu 1/18/24	Wed 1/24/24	Thu 1/18/24	Wed 1/24/24	100,102,103,96	Pivetta - JUT/Golden Gate/PSE - Ga				
105	JUT - Arco to Gerber Collision- Section P, U, V, W (No PSE Gas) - Sta 33+00 to 42+85	210 d	0 d	0 d	Tue 3/28/23	NA	Tue 3/28/23	Fri 2/9/24	Tue 3/28/23	Fri 2/9/24						
106	Receive Vaults and Conduits from Utilities	1 d	0 d	0 d	Tue 3/28/23	Wed 6/21/23	Tue 3/28/23	Wed 6/21/23	Tue 3/28/23	Wed 6/21/23	28	Utilities				
107	Install Vaults	15 d	14 d	14 d	Wed 10/18/23	NA	Wed 10/18/23	Wed 1/3/24	Wed 10/18/23	Wed 1/24/24	93,106,38	Pivetta - JUT				
108	Install Conduits	12 d	0 d	0 d	NA	NA	Thu 1/25/24	Fri 2/9/24	Thu 1/25/24	Fri 2/9/24	106,107,104	Pivetta - JUT/Golden Gate/PSE - Ga				
109	JUT - Night/Crossings - Sta 33+77, 36+17, 40+43	216 d	0 d	0 d	Tue 3/28/23	NA	Tue 3/28/23	Tue 2/20/24	Tue 3/28/23	Tue 2/20/24						
110	Receive Vaults and Conduits from Utility Owner	1 d	0 d	0 d	Tue 3/28/23	Wed 6/21/23	Tue 3/28/23	Wed 6/21/23	Tue 3/28/23	Wed 6/21/23	28	Utilities				
111	Install Vaults	1 d	0 d	0 d	Wed 10/18/23	Wed 10/18/23	Wed 10/18/23	Wed 10/18/23	Wed 10/18/23	Wed 10/18/23	107SS,103,110	Pivetta - JUT				
112	Install Conduit	6 d	0 d	0 d	NA	NA	Mon 2/12/24	Tue 2/20/24	Mon 2/12/24	Tue 2/20/24	111,108	Pivetta - JUT/Golden Gate/PSE - Ga				
113	JUT - Utility Owner Work, Removals, Grounding/Bonding 15+25 to 42+85	147 d	57 d	57 d	Mon 10/2/23	NA	Mon 10/2/23	Tue 5/14/24	Mon 10/2/23	Tue 5/14/24						
114	Lumen/CenturyLink to Begin Work South of Victoria Street	0 d	34 d	34 d	NA	NA	Fri 12/22/23	Fri 12/22/23	Wed 2/21/24	Wed 2/21/24	94					
115	PSE Gas - Install 1-6" Gas Line & Connections to Main JUT across Rainier (Ends at HH/II in SW Victoria)	60 d	98 d	0 d	Mon 10/2/23	NA	Mon 10/2/23	Wed 2/21/24	Mon 10/2/23	Wed 2/21/24	67SS	PSE - Gas				
116	Rem/Abandon Existing PSE Gas Main	60 d	116 d	116 d	Mon 10/2/23	NA	Mon 10/2/23	Wed 2/21/24	Mon 10/2/23	Tue 8/6/24	115SS	PSE - Gas				
117	PSE - Pull Wire (Power and Fiber) and Complete Connections	60 d	0 d	0 d	NA	NA	Wed 2/21/24	Tue 5/14/24	Wed 2/21/24	Tue 5/14/24	98,112,111	Utilities				
118	PSE - Install Transformers - V02A, V0X, V15A, V16A	60 d	0 d	0 d	NA	NA	Wed 2/21/24	Tue 5/14/24	Wed 2/21/24	Tue 5/14/24	117SS	PSE - Electric				
119	Lumen/Centurylink - Pull Wire and Complete Connections Project Wide	60 d	0 d	0 d	NA	NA	Wed 2/21/24	Tue 5/14/24	Wed 2/21/24	Tue 5/14/24	117SS,111,112,114	Centurylink				
120	Comcast - Pull Wire and Complete Connections	60 d	0 d	0 d	NA	NA	Wed 2/21/24	Tue 5/14/24	Wed 2/21/24	Tue 5/14/24	119SS,111,112	Comcast				
121	Remove Existing Vaults, Pedestals, and Risers	60 d	0 d	0 d	NA	NA	Wed 2/21/24	Tue 5/14/24	Wed 2/21/24	Tue 5/14/24	118SS,119SS,120SS	Utilities				
122	5G Small Cell Network Conduit System - Sta 14+65 to 41+55	23 d	0 d	0 d	Mon 10/2/23	Wed 11/1/23	Mon 10/2/23	Wed 11/1/23	Mon 10/2/23	Wed 11/1/23						
123	Trench and Conduit	21 d	0 d	0 d	Mon 10/2/23	Mon 10/30/23	Mon 10/2/23	Mon 10/30/23	Mon 10/2/23	Mon 10/30/23	67SS	Golden Gate				
124	Boxes	2 d	0 d	0 d	Tue 10/31/23	Wed 11/1/23	Tue 10/31/23	Wed 11/1/23	Tue 10/31/23	Wed 11/1/23	123	Golden Gate				
125	Water Line/Night - Sta 14+02 to 42+14.5	203.13 d	413.87 d	413.87 d	Thu 3/30/23	NA	Thu 3/30/23	Mon 2/5/24	Thu 3/30/23	Thu 10/2/25						
126	Stage 1 Bypass, Cut and Cap	116 d	0 d	0 d	Mon 4/17/23	Mon 10/2/23	Mon 4/17/23	Mon 10/2/23	Mon 4/17/23	Mon 10/2/23						
127	Cut and Cap Existing Waterline - Sta 15+55	4 d	0 d	0 d	Mon 4/17/23	Thu 4/20/23	Mon 4/17/23	Thu 4/20/23	Mon 4/17/23	Thu 4/20/23	42	Pivetta - Water/City of Renton Wat				
128	Cut and Cap Existing Waterline - Taco Time to Buddy's Home Furnishings - Sta 18+20 to 21+00	0 d	0 d	0 d	Mon 4/17/23	Mon 4/17/23	Mon 4/17/23	Mon 4/17/23	Mon 4/17/23	Mon 4/17/23	127,42	Pivetta - Water/City of Renton Wat				
129	Cut and Cap Existing Waterline - SW Victoria - Sta 25+00 (Deleted - Work Not Required)	1 d	0 d	0 d	Mon 10/2/23	Mon 10/2/23	Mon 10/2/23	Mon 10/2/23	Mon 10/2/23	Mon 10/2/23		Pivetta - Water/City of Renton Wat				
130	Cut and Cap Waterline - S. Tobin St. - Sta 28+60 (Deleted - Work Not Required)	1 d	0 d	0 d	Mon 10/2/23	Mon 10/2/23	Mon 10/2/23	Mon 10/2/23	Mon 10/2/23	Mon 10/2/23		Pivetta - Water/City of Renton Wat				
131	Water Line - Stage 1 - Sta 14+02.2 to 42+06.9 Rainier Ave, Sta 30+74.5 to 602+87.44 Airport Way	125 d	0 d	0 d	Tue 5/2/23	Mon 10/30/23	Tue 5/2/23	Mon 10/30/23	Tue 5/2/23	Mon 10/30/23						
132	Install Water Line and Appurtenances	28 d	0 d	0 d	Tue 5/2/23	Mon 10/30/23	Tue 5/2/23	Mon 10/30/23	Tue 5/2/23	Mon 10/30/23	62,128	Pivetta - Water				
133	FRPCS Concrete DMB (Deleted - Work Occurring with Water Line Install)	15 d	0 d	0 d	Mon 10/2/23	Fri 10/20/23	Mon 10/2/23	Fri 10/20/23	Mon 10/2/23	Fri 10/20/23		Pivetta - Water				
134	Pressure Testing, Polypig, Disinfect Water Line	88 d	0 d	0 d	Wed 6/21/23	Tue 10/24/23	Wed 6/21/23	Tue 10/24/23	Wed 6/21/23	Tue 10/24/23	132	Pivetta - Water				
135	Install Water Line Services and Meters	0 d	0 d	0 d	Thu 6/1/23	Thu 6/1/23	Thu 6/1/23	Thu 6/1/23	Thu 6/1/23	Thu 6/1/23	134	Pivetta - Water				
136	Install Hydrants	8 d	0 d	0 d	Thu 6/1/23	Wed 10/11/23	Thu 6/1/23	Wed 10/11/23	Thu 6/1/23	Wed 10/11/23	135	Pivetta - Water				
137	Abandon/Remove Existing Water Line	2 d	0 d	0 d	Thu 10/12/23	Fri 10/13/23	Thu 10/12/23	Fri 10/13/23	Thu 10/12/23	Fri 10/13/23	136	Pivetta - Water				
138	Water Line - Crossing - Taco Time to S. 2nd St. - Sta 18+49.0 & 18+49.0 to 19+31.9	190 d	354 d	354 d	Thu 3/30/23	NA	Thu 3/30/23	Tue 1/16/24	Thu 3/30/23	Wed 6/18/25						
139	Install Water Line and Appurtenances	2 d	0 d	0 d	Thu 5/11/23	Tue 5/23/23	Thu 5/11/23	Tue 5/23/23	Thu 5/11/23	Tue 5/23/23	132SS+5 d	Pivetta - Water				
140	Cathodic Protection Submittal (Submittal #81, RAM 055)	0 d	0 d	0 d	Thu 3/30/23	Thu 3/30/23	Thu 3/30/23	Thu 3/30/23	Thu 3/30/23	Thu 3/30/23						
141	Test Station Changes (PCO-019 for RFI-70 and RFI-085 Changes)	10 d														













### 2023-12-22 Impact Analysis

Task Name	Planned Duration	Actual Duration	Actual Start	Actual Finish	Contaminated Soils	Force Account Impacts	Shoring Design Change
<b>JUT - Walgreens to Sansonia (Sections A, EE, AA) - Sta 15+25 to Sta 18+40</b>	<b>42 d</b>	<b>53 d</b>	<b>Tue 3/28/23</b>	<b>Mon 7/31/23</b>			
Install Conduits	5 d	34 d	Mon 6/12/23	Mon 7/31/23		12	17
<b>JUT - Night/Crossing - Watson Sec to Taco Time, Across 2nd St., Vacant to Metro PCS - Sta 18+40 to 20+10</b>	<b>37 d</b>	<b>108 d</b>	<b>Tue 3/28/23</b>	<b>Tue 8/29/23</b>			
Install Conduits	7 d	21 d	Tue 8/1/23	Tue 8/29/23		6	8
<b>JUT - Night/Stage 2 - Vacant to Formula 1 Fast Lube - Sta 20+10 to 25+20</b>	<b>67 d</b>	<b>112 d</b>	<b>Tue 3/28/23</b>	<b>Thu 9/7/23</b>			
Install Conduits	2 d	6 d	Wed 8/30/23	Thu 9/7/23		1	3
<b>JUT - Big Island Poke to Watson Security (Sections B, C, F, D, R, K, M, JJ, DD, LL, E, G, H, Z) - Sta 19+00 to 24+80</b>	<b>30 d</b>	<b>153 d</b>	<b>Tue 3/28/23</b>	<b>Fri 11/3/23</b>			
Install Conduits	8 d	38 d	Mon 9/11/23	Fri 11/3/23			
Install Conduits		38 d	Mon 9/11/23	Fri 11/3/23		12	17
Contaminated Soils at STA 21+50		9 d	Thu 9/28/23	Tue 10/10/23	9		
<b>JUT - Victoria Street (CO-09)</b>		<b>8 d</b>	<b>Mon 11/20/23</b>	<b>Fri 12/1/23</b>			
Install Conduits		8 d	Mon 11/20/23	Fri 12/1/23		5	0
<b>JUT - Watson Security to Renton Ave. Ext (NO PSE Gas) - Sta 24+80 to 31+90</b>	<b>36 d</b>	<b>187 d?</b>	<b>Tue 3/28/23</b>	<b>NA</b>			
Install Conduits	9 d	9 d?	Mon 11/6/23	NA			
Watson Security to Hayes	2 d	9 d	Mon 11/6/23	Fri 11/17/23		7	0
Hayes to Renton Ave	7 d	19 d	Mon 12/4/23	Wed 1/10/2024		3	7
Contaminated Soil @ STA 28+75		2 d	Tue 12/12/23	Wed 12/13/23	2		
	<b>31</b>	<b>135</b>			<b>11</b>	<b>46</b>	<b>52</b>

\* Items in Red Font are projected

### Force Account Impacts to JUT

Date	Schedule Activity	Crew Hours	Force Account Crew Hours	Working Day Impact	
6/12/2023	JUT - Walgreens to Sansonsia	10	4	0.4	
6/13/2023	JUT - Walgreens to Sansonsia	10	3	0.3	
6/14/2023	JUT - Walgreens to Sansonsia	10	1.5	0.2	
6/15/2023	JUT - Walgreens to Sansonsia	10	8	0.8	
6/20/2023	JUT - Walgreens to Sansonsia	10	5	0.5	
6/21/2023	JUT - Walgreens to Sansonsia	10	0	0.0	
6/22/2023	JUT - Walgreens to Sansonsia	10	8	0.8	
6/23/2023	JUT - Walgreens to Sansonsia	10	4	0.4	
6/26/2023	JUT - Walgreens to Sansonsia	10	2.5	0.3	
6/27/2023	JUT - Walgreens to Sansonsia	10	0.5	0.1	
6/28/2023	JUT - Walgreens to Sansonsia	10	8.5	0.9	
6/29/2023	JUT - Walgreens to Sansonsia	10	8	0.8	
7/5/2023	JUT - Walgreens to Sansonsia	10	7.5	0.8	
7/6/2023	JUT - Walgreens to Sansonsia	10	9	0.9	
7/7/2023	JUT - Walgreens to Sansonsia	10	5	0.5	
7/10/2023	JUT - Walgreens to Sansonsia	10	4	0.4	
7/11/2023	JUT - Walgreens to Sansonsia	10	4.5	0.5	
7/12/2023	JUT - Walgreens to Sansonsia	10	6.5	0.7	
7/13/2023	JUT - Walgreens to Sansonsia	10	4.5	0.5	
7/17/2023	JUT - Walgreens to Sansonsia	10	5.5	0.6	
7/18/2023	JUT - Walgreens to Sansonsia	10	2	0.2	
7/19/2023	JUT - Walgreens to Sansonsia	10	1.5	0.2	
7/20/2023	JUT - Walgreens to Sansonsia	10	5	0.5	
7/24/2023	JUT - Walgreens to Sansonsia	10	1	0.1	
7/25/2023	JUT - Walgreens to Sansonsia	10	4	0.4	
7/26/2023	JUT - Walgreens to Sansonsia	10	0	0.0	
7/27/2023	JUT - Walgreens to Sansonsia	10	2	0.2	
7/31/2023	JUT - Walgreens to Sansonsia	10	3	0.3	
8/1/2023	JUT - Watson Security to Taco Time, 2nd S, Vacant Lot	10	1.5	0.2	
8/2/2023	JUT - Watson Security to Taco Time, 2nd S, Vacant Lot	20	7.5	0.4	
8/3/2023	JUT - Watson Security to Taco Time, 2nd S, Vacant Lot	20	9.5	0.5	
8/7/2023	JUT - Watson Security to Taco Time, 2nd S, Vacant Lot	20	8	0.4	
8/8/2023	JUT - Watson Security to Taco Time, 2nd S, Vacant Lot	10	3	0.3	
8/9/2023	JUT - Watson Security to Taco Time, 2nd S, Vacant Lot	20	9	0.5	
8/10/2023	JUT - Watson Security to Taco Time, 2nd S, Vacant Lot	20	13	0.7	
8/14/2023	JUT - Watson Security to Taco Time, 2nd S, Vacant Lot	20	13.5	0.7	
8/15/2023	JUT - Watson Security to Taco Time, 2nd S, Vacant Lot	20	9	0.5	
8/16/2023	JUT - Watson Security to Taco Time, 2nd S, Vacant Lot	20	8.5	0.4	
8/17/2023	JUT - Watson Security to Taco Time, 2nd S, Vacant Lot	20	0	0.0	
8/21/2023	JUT - Watson Security to Taco Time, 2nd S, Vacant Lot	20	12	0.6	
8/22/2023	JUT - Watson Security to Taco Time, 2nd S, Vacant Lot	20	6	0.3	
8/23/2023	JUT - Watson Security to Taco Time, 2nd S, Vacant Lot	20	1	0.1	
8/24/2023	JUT - Watson Security to Taco Time, 2nd S, Vacant Lot	20		0.0	
8/28/2023	JUT - Watson Security to Taco Time, 2nd S, Vacant Lot	20	5.5	0.3	
8/29/2023	JUT - Watson Security to Taco Time, 2nd S, Vacant Lot	20	1	0.1	
8/30/2023	JUT - Vacant to Formula 1 Fast Lube	20	4	0.2	
8/31/2023	JUT - Vacant to Formula 1 Fast Lube	20	3	0.2	
9/1/2023	JUT - Vacant to Formula 1 Fast Lube	20	6	0.3	
9/4/2023	JUT - Vacant to Formula 1 Fast Lube	20		0.0	
9/5/2023	JUT - Vacant to Formula 1 Fast Lube	30	2	0.1	
9/6/2023	JUT - Vacant to Formula 1 Fast Lube	30		0.0	
9/7/2023	JUT - Vacant to Formula 1 Fast Lube	10		0.0	
9/8/2023	JUT - Vacant to Formula 1 Fast Lube	10	6.5	0.7	
9/11/2023	JUT - Big Island Poke to Watson Security	20	4.5	0.2	
9/12/2023	JUT - Big Island Poke to Watson Security	10	9	0.9	
9/13/2023	JUT - Big Island Poke to Watson Security	20	13.5	0.7	
9/14/2023	JUT - Big Island Poke to Watson Security	20	8.5	0.4	
9/18/2023	JUT - Big Island Poke to Watson Security	20	13	0.7	
9/19/2023	JUT - Big Island Poke to Watson Security	30	9	0.3	
9/20/2023	JUT - Big Island Poke to Watson Security	30	12.5	0.4	
9/21/2023	JUT - Big Island Poke to Watson Security	30	10	0.3	
9/25/2023	JUT - Big Island Poke to Watson Security	20	12.5	0.6	
9/26/2023	JUT - Big Island Poke to Watson Security	20	12.5	0.6	
9/27/2023	JUT - Big Island Poke to Watson Security	Approved Unworkable Weather Day		0.0	
9/28/2023	JUT - Big Island Poke to Watson Security	Contaminated Soils Testing		10	0.0

Date	Schedule Activity	Crew Hours	Force Account Crew Hours	Working Day Impact
10/2/2023	JUT - Big Island Poke to Watson Security	Contaminated Soils Testing	1.5	0.0
10/3/2023	JUT - Big Island Poke to Watson Security	Contaminated Soils Testing	4.5	0.0
10/4/2023	JUT - Big Island Poke to Watson Security	Contaminated Soils Testing	5	0.0
10/5/2023	JUT - Big Island Poke to Watson Security	Contaminated Soils Testing	6.5	0.0
10/9/2023	JUT - Big Island Poke to Watson Security	Contaminated Soils Testing	7.5	0.0
10/10/2023	JUT - Big Island Poke to Watson Security	Contaminated Soils Testing	13	0.0
10/11/2023	JUT - Big Island Poke to Watson Security	15	5.5	0.4
10/12/2023	JUT - Big Island Poke to Watson Security	20	4.5	0.2
10/16/2023	JUT - Big Island Poke to Watson Security	20	18.5	0.9
10/17/2023	JUT - Big Island Poke to Watson Security	20	7	0.4
10/18/2023	JUT - Big Island Poke to Watson Security	20	17	0.9
10/19/2023	JUT - Big Island Poke to Watson Security	30	0	0.0
10/23/2023	JUT - Big Island Poke to Watson Security	30	1.5	0.1
10/24/2023	JUT - Big Island Poke to Watson Security	20	2	0.1
10/25/2023	JUT - Big Island Poke to Watson Security	20	4	0.2
10/26/2023	JUT - Big Island Poke to Watson Security	20	5	0.3
10/30/2023	JUT - Big Island Poke to Watson Security	20	16	0.8
10/31/2023	JUT - Big Island Poke to Watson Security	15	12	0.8
11/1/2023	JUT - Big Island Poke to Watson Security	20	16.5	0.8
11/2/2023	JUT - Big Island Poke to Watson Security	Approved Unworkable Weather Day		0.0
11/3/2023	JUT - Big Island Poke to Watson Security	20	11	0.6
11/6/2023	JUT - Watson Security to Hayes	16	16.5	1.0
11/7/2023	JUT - Watson Security to Hayes	16	17.5	1.1
11/8/2023	JUT - Watson Security to Hayes	16	8.5	0.5
11/9/2023	JUT - Watson Security to Hayes	16	7.5	0.5
11/13/2023	JUT - Watson Security to Hayes	16	19	1.2
11/14/2023	JUT - Watson Security to Hayes	16	9	0.6
11/15/2023	JUT - Watson Security to Hayes	16	19	1.2
11/16/2023	JUT - Watson Security to Hayes	16	9.5	0.6
11/20/2023	JUT - Victoria Street	16	11	0.7
11/21/2023	JUT - Victoria Street	16	11	0.7
11/22/2023	JUT - Victoria Street	Day before Thanksgiving		0.0
11/23/2023	JUT - Victoria Street	Thanksgiving		0.0
11/27/2023	JUT - Victoria Street	12	12.5	1.0
11/28/2023	JUT - Victoria Street	16	11.75	0.7
11/29/2023	JUT - Victoria Street	8	5.5	0.7
11/30/2023	JUT - Victoria Street	16	13.5	0.8
12/1/2023	JUT - Victoria Street	16	1.5	0.1
12/4/2023	JUT - Hayes to Renton Ave	Approved Unworkable Weather Day		0.0
12/5/2023	JUT - Hayes to Renton Ave	Approved Unworkable Weather Day		0.0
12/6/2023	JUT - Hayes to Renton Ave	Approved Unworkable Weather Day		0.0
12/7/2023	JUT - Hayes to Renton Ave	8	4	0.5
12/8/2023	JUT - Hayes to Renton Ave	8	5	0.6
12/11/2023	JUT - Hayes to Renton Ave	9	7.5	0.8
12/12/2023	JUT - Hayes to Renton Ave	Contaminated Soils Testing		0.0
12/13/2023	JUT - Hayes to Renton Ave	Contaminated Soils Testing		0.0
12/14/2023	JUT - Hayes to Renton Ave	20		0.0
12/15/2023	JUT - Hayes to Renton Ave	20		0.0
12/18/2023	JUT - Hayes to Renton Ave	20		0.0
12/19/2023	JUT - Hayes to Renton Ave	20		0.0
12/20/2023	JUT - Hayes to Renton Ave	10	6	0.6
12/21/2023	JUT - Hayes to Renton Ave	8		0.0
12/22/2023	JUT - Hayes to Renton Ave	6		0.0
<b>Total Working Days</b>				<b>44.2</b>



**Serial Letter: 034s1**

January 31, 2024

**To:** Michelle Faltaous  
City of Renton  
1055 South Grady Way  
Renton, Washington 98057

**Reference Project:** CAG-22-163, Rainier Ave S Corridor Improvements – Phase 4 Project

**Subject:** CO-013/PCO-024 JUT Shoring Changes

Mrs. Michelle Faltaous:

Since July 7, 2023, with Serial Letter L-013 JUT Impacts, Pivetta Brothers Construction, Inc. (Pivetta) has been discussing the impacts that have occurred to the Joint Utility Trench (JUT) with the City’s project team. These impacts have significantly changed the character of the JUT Work and pursuant to sections 1-04.4 and 1-08.8, Pivetta is seeking an equitable adjustment and extension of time.

As referenced in section 8-35.3 of the Special Provisions, “the layout shown on the Plans is approximate” and Pivetta was required “to construct the [JUT] so that it will not require adjustments or replacements for other items of work.” The layout provided in the plans identified the JUT to be constructed between 4 ft and 6 ft below ground (BGS), with the exception of one location at STA 19+10 which was to be constructed between 8 ft and 9 ft BGS (see attached table JUT Depth Changes). Using the information provided within the drawings, Pivetta established our pre-bid shoring plan using a Speed Shore system. This system uses hydraulic jacks and fin form (rated plywood) to support the excavation. This system was selected based on our ability to procure the majority of the materials up front, it’s flexibility to shore around known utilities, and the ease it can be installed and removed with a 2-man crew (2 Laborers on either side of the trench).

As required by section 8-35.3(6), Pivetta was required to confirm that the layout provided in the design drawings worked by potholing the location of the existing utilities and providing a written trench excavation plan. During the initial utility location process the utilities placed painted markings where their underground utility lines were expected to be so Pivetta could begin potholing each location where there was a potential conflict with the JUT. Through this process it became evident that there were a substantial number of existing utilities that were either not shown or mislocated on the utility plans. To date, Pivetta has potholed 515 different locations, well in excess of the 220 potholes quantified in the contract. Of these 515 utility potholes, 224 were just for the JUT.

Based on the post-award potholing effort, the JUT profile was significantly altered from the expected 4 ft to 6 ft BGS depth to well in excess of 8 ft BGS for the majority of the JUT, see attached table JUT Depth Changes. This increased depth significantly altered the character of the JUT construction as follows:



- Increased complexity of the shoring requiring 3,200 lbs steel plates, build-boxes, and manhole boxes in lieu of 40 lb sheets of plywood and jacks,
- Required the steel sheets to be driven into the ground 1 ft to 2 ft to reduce sloughing and maintaining pressure for shoring jacks to press against, altering the flow of work from a horizontal (excavate then shore) to a vertical (shore then excavate) work flow,
- Resulted in a greater frequency and severity of impacts due to groundwater and slope stability issues,
- Added costs to dispose of saturated materials,
- Required the use of larger equipment to install, remove, stage, and transport heavier shoring pieces,
- Increased time to adjust the large steel sheets to avoid extensions that blocked driveways and sidewalks, whereas the fin form could be easily laid horizontally and overlapped with sheets,
- Increased use of jacks to support plates and added fill behind plates to limit sloughing in high traffic areas, and
- Did not allow Pivetta to establish an operational flow due to the customized shoring required at each point of the JUT trench.

These issues were further impacted by the constant changes to the JUT design by the utilities as well as encountering additional unlocated utilities while we were installing the JUT. The direct costs for some of this work have been accounted for in the force account tickets, but these costs do not capture the full extent of this impact.

**Project Schedule Update**

A monthly update of the Project’s Approved Baseline Schedule (Submittal #72 rev. 1) was performed and is attached for your review (2024-01-23 Rainier Ave Schedule Update). This update used a data date of January 23, 2024 to determine the current impacts to the project. The only changes made to the schedule were:

- Logic changes to allow us to complete the Rainier Ave night crossings after the Renton Avenue crossing but before the section of JUT from Arco to Gerber. This change allowed us to perform all the evening work in a single grouping.
- Adding an additional 3 weather days to the project calendar to avoid counting these as Work Days.

Based on this current schedule update, the total expected construction period for the project is still 629 Working Days.

<u>Schedule</u>	<u>Start Date</u>	<u>Finish Date</u>	<u>Working Days</u>
Approved Baseline	3/15/2023	3/25/2025	500
7/31/2023 Schedule Update	3/13/2023	6/20/2025	563
8/31/2023 Schedule Update	3/13/2023	7/7/2025	572
11/3/2023 Schedule Update	3/13/2023	8/20/2025	611
12/22/2023 Schedule Update	3/13/2023	10/2/2025	629
1/23/2024 Schedule Update	3/13/2023	10/7/2025	629

As described before, the extended construction duration is driven by the current installation of the Joint Utility Trench and a summary of the impacts and mitigation efforts are as follows:

Contaminated Soils at Auto Zone	9 Working Days
Contaminated Soils at Brown Bear	2 Working Days
Force Account Days (Prorated by Crews)	51.5 Working Days
JUT Shoring Design Impacts	46.5 Working Days
<hr/>	
Deleted Crossing at STA 23+80	-2 Working Days
Install Vaults for Watson Sec to Taco Time, 2 <sup>nd</sup> St, and Metro PCS Early	-5 Working Days
Hertz/Lyft to Taco Time Concurrent with Others	-8 Working Days
Victoria St Early Completion	-3 Working Days
<hr/>	
<b>Total Delay Days (Beyond the Current Contract 538 Working Days)</b>	<b>91 Working Days</b>

There have been a number of issues surrounding the installation of the JUT and Pivetta has identified those delays in serial letters L-015, L-018, L019, L024, and L-033. In an effort to mitigate these delays, Pivetta has continued to add crews to assist with the JUT installation and adjusted some of our activities. Even with these additional crews and mitigation efforts, the project has continued to fall behind due to the number of Force Account issues encountered and changes to the JUT Design that have resulted in more complex shoring. A breakdown of which schedule activities have been impacted is provided in the attached worksheet, 2024-01-23 Impact Analysis.

### Additional Costs

A summary of the additional costs is attached for the City 's review (PCO-024 Total Cost Impacts). This summary is grouped into four categories:

- Credit/Removal of Original Bid Items
- Cost Impacts Incurred up to January 20, 2024
- Forecasted Cost Impacts to Complete the JUT
- Additional Quantities and Bid Items Required to Complete the JUT

### Cost Impacts Incurred up to January 20, 2024

Primary cost impacts to date have occurred to Bid Items D8 Structure Excavation Class B Incl. Haul for JUT and D9 Shoring or Extra Excavation for JUT. Our pricing for Bid Item D8 included all of the labor and equipment required to excavate and backfill the JUT, along with the disposal of excess material for the conduit, bedding, and CDF. Bid Item D9 only included the expected rental and purchase costs for the shoring. Pricing these items this way is standard to the industry since we are unsure how much of the native material will be allowed to be used for backfill. As such, we include all excavation and backfill costs in the Structural Excavation Class B item with any on-site haul and disposal of material that is offset by the pipe and bedding being installed. A breakdown of these costs Pivetta has incurred for labor and equipment up to January 20, 2024 is attached. The shoring costs are summarized close to January 20, 2024 but we are anticipating additional invoices for the period.

To account for the impacts to the utility vaults, Pivetta and the City have been quantifying the excavation for these vaults as Bid Item D8 Structure Excavation Class B. These impacts include having to install the vaults during the trenching and backfill operations to avoid having them slide into deeper trenches, and the out of sequence installation that limited our efficiency. We've estimated this quantity at 500 CY and have included this line item at the calculated unit price rate for the Bid Item D8 Structure Excavation Class B.

Bid Item D6 Gravel Borrow for JUT has also been impacted by the deeper trench section and the extended duration of the project. Due to the deeper trench section, we have encountered significantly more groundwater than expected. These saturated soils could not be used at nearby or free disposal sites and had to be hauled to a fee-based disposal sites. Similarly, the extended duration to construct the JUT has shifted our work into the wet winter months which don't allow for the native soils to be reused elsewhere and are only accepted at the fee-based disposal sites. To account for this impact, Pivetta is requesting to be reimbursed for actual trucking and disposal costs that we have incurred.

Due to the significant delays to the project and the unusual amount of force account changes, Pivetta has divided our overhead into two groups. The Extended Overhead – Indirect Costs are those costs that are absorbed by the force account markup and typical to the industry. These costs have only been calculated for the additional days not attributed to the force account delays. The Extended Overhead – Direct Costs are those items that are specific to this project and these hours should have been captured in the force account tickets but are generally not directly involved. These costs have been calculated for the full delay of 91 Working Days, which includes force account delay days.

### **Forecasted Cost Impacts to Complete the JUT**

To assist the City with understanding the full costs for the JUT shoring change, Pivetta has projected completing the JUT by March 29, 2024 (see attached schedule JUT Impact What-If Schedule). This schedule shows a delay of 116 Working Days, beyond the current 538 Working Days allowed per contract, and a completion date of November 12, 2025. Using this schedule update and estimating the remaining JUT structure excavation quantities, we have tried to forecast the remaining costs to complete the JUT.

### **Additional Quantities and Bid Items Required to Complete the JUT**

Based on conversations with the City's Project team, Pivetta understands that the items listed in this section will be included in the change order. We have included these items to assist the City in understanding the total cost for this change order.

We appreciate the City of Renton's efforts to resolve issues as they arise and keep the project moving forward. Pivetta will continue working to limit the additional costs associated with the unforeseen delays. Please feel free to contact me at (206) 914-2723, if you have any questions or concerns.

Respectfully,



Bill Adams  
Sr. Project Manager

w/ Attachments:

JUT Depth Changes Table  
2024-01-23 Rainier Ave Schedule Update  
2024-01-23 Impact Analysis  
PCO-024 Total Cost Impacts  
BI D8 Labor and Equipment Costs Summary  
BI D9 Shoring Costs Summary  
Extended Overhead – Indirect Costs  
Extended Overhead – Direct Costs  
JUT Impact What-If Schedule

Cc:

Jordan Howe, Perteet  
Russ Owen, Pivetta

## JUT Depth Changes

Sheet	Detail/Description	Sta	Planned Depth (ft)	Altered Depth (ft)
100	CB 159 to CB 20 Profile	17+33	6	8.5
132	West Side Water Line	18+35	5.5	8
132	East Side Water Line	18+35	5.5	7.5
92	CB 294 to CB 446 Profile	19+10	9	10
100	S 2nd Street CB 438 to CB 36 Profile	19+10	8	9.75
92	West Side Profile	20+10	4.5	12.5
132	West Side Water Line	20+17	5	12.5
132	East Side Water Line	20+17	5	10
138	STA 20+25 - Connection Profile	20+25	5	12
92	Eastside Profile	20+27	5.25	11.5
100	CB 43 to CB 33 Profile	20+28	4	11
92	CB 514 to CB 513 Profile	21+03	5.5	9
101	Exist WQ Structure to CB 40 Profile	21+34	4	10.5
136	SW Victoria St - Connection Profile	25+00	4	9.5
137	Hayes PL SW - Connection Profile	26+25	5	10.25
102	CB 340 to CB 137 Profile	29+53	5.5	7
102	CB 306 to CB 134 Profile	30+21	5	6
138	STA 30+50 - Connection Profile	30+49	5	8
102	CB 131 to CB 130 Profile	31+96	5.25	7.5
138	Renton Ave Ext - Connection Profile	32+65	5	8
118	Renton Ave Ext Profile 598+50 to 600+00	32+96	5	13
95	West Side Profile	33+85	5	8
138	ST 34+30 - Connection Profile	34+32	4.5	9.25
138	STA 36+95 - Connection Profile	36+95	5.5	9
97	West Side Profile	39+12	3.5	8
97	CB 182 to CB 304 Profile	39+52	4.75	10.5
138	NW 3rd PL - Connection Profile	40+85	4.5	9
136	West Side Water Line - Connection Profile	42+07	6	7
<b>Average Depth</b>			5.21	9.25



ID	Task Name	Duration	Total Slack	Free Slack	Actual Start	Actual Finish	Early Start	Early Finish	Late Start	Late Finish	Predecessors	Text2
0	<b>Rainier Ave Phase 4 Project Schedule</b>	<b>715 d?</b>	<b>0 d?</b>	<b>0 d?</b>	<b>Wed 11/2/22</b>	<b>NA</b>	<b>Wed 11/2/22</b>	<b>Tue 10/7/25</b>	<b>Wed 11/2/22</b>	<b>Tue 10/7/25</b>		
1												
2	Bid Opening Date	1 d	0 d	0 d	Wed 11/2/22	Wed 11/2/22	Wed 11/2/22	Wed 11/2/22	Wed 11/2/22	Wed 11/2/22		Project Overview
3	Award Date (w/in 45 calendar days after opening bids)	1.13 d	0 d	0 d	Tue 12/13/22	Tue 12/13/22	Tue 12/13/22	Tue 12/13/22	Tue 12/13/22	Tue 12/13/22	2FS+45 d	Project Overview
4	Contract Execution Date	1 d	0 d	0 d	Thu 12/22/22	Thu 12/22/22	Thu 12/22/22	Thu 12/22/22	Thu 12/22/22	Thu 12/22/22	3	Project Overview
5	Notice to Proceed Date	1 d	0 d	0 d	Mon 3/13/23	Mon 3/13/23	Mon 3/13/23	Mon 3/13/23	Mon 3/13/23	Mon 3/13/23	3,20FS+8 d	Project Overview
6	Substantial Completion Date	0 d	0 d	0 d	NA	NA	Tue 10/7/25	Tue 10/7/25	Tue 10/7/25	Tue 10/7/25	527,531,315,345,463,279,462,530	Project Overview
7	Physical Completion Date	0 d	0 d	0 d	NA	NA	Tue 10/7/25	Tue 10/7/25	Tue 10/7/25	Tue 10/7/25	5,6	Project Overview
8	Contractual Physical Completion Date (500 working days)	0 d	129 d	129 d	NA	NA	Thu 4/3/25	Thu 4/3/25	Tue 10/7/25	Tue 10/7/25	5FS+500 d	Project Overview
9												
10	<b>Preconstruction</b>	<b>164 d</b>	<b>0 d</b>	<b>0 d</b>	<b>Sun 2/12/23</b>	<b>Fri 10/6/23</b>	<b>Sun 2/12/23</b>	<b>Fri 10/6/23</b>	<b>Sun 2/12/23</b>	<b>Fri 10/6/23</b>	<b>4</b>	
11	Submit Contractor's Health and Safety Plan	0 d	0 d	0 d	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23		Pivetta - Administration
12	Prepare/Submit Confined Space Entry Program	5 d	0 d	0 d	Mon 10/2/23	Mon 10/2/23	Mon 10/2/23	Fri 10/6/23	Mon 10/2/23	Mon 10/2/23	5	Pivetta - Administration
13	Prepare/Submit Shoring and Excavation Plan	3 d	0 d	0 d	Wed 2/15/23	Fri 2/17/23	Wed 2/15/23	Fri 2/17/23	Wed 2/15/23	Fri 2/17/23	4	Pivetta - Administration
14	Prepare/Submit Breakdown of Lump Sum Bid Items	5 d	0 d	0 d	Sun 2/12/23	Fri 2/17/23	Sun 2/12/23	Fri 2/17/23	Sun 2/12/23	Fri 2/17/23	4	Pivetta - Administration
15	Prepare/Submit Preliminary QPL/RAM for Jobsite Materials	5 d	0 d	0 d	Mon 10/2/23	Fri 10/6/23	Mon 10/2/23	Fri 10/6/23	Mon 10/2/23	Fri 10/6/23	4	Pivetta - Administration
16	Prepare/Submit Preliminary Schedule of Working Drawing Submittals	5 d	0 d	0 d	Mon 10/2/23	Fri 10/6/23	Mon 10/2/23	Fri 10/6/23	Mon 10/2/23	Fri 10/6/23	4	Pivetta - Administration
17	Submit Work Hour Variance to CoR	0 d	0 d	0 d	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	4	Pivetta - Administration
18	Prepare/Submit Type 2 Working Drawings for Field Office	1 d	0 d	0 d	Thu 3/2/23	Thu 3/2/23	Thu 3/2/23	Thu 3/2/23	Thu 3/2/23	Thu 3/2/23	4	Pivetta - Administration
19	Submit Preliminary Type B Schedule	1 d	0 d	0 d	Tue 2/21/23	Tue 2/21/23	Tue 2/21/23	Tue 2/21/23	Tue 2/21/23	Tue 2/21/23	4	Pivetta - Administration
20	Attend Preconstruction Conference	1 d	0 d	0 d	Wed 2/22/23	Wed 2/22/23	Wed 2/22/23	Wed 2/22/23	Wed 2/22/23	Wed 2/22/23	4FS+49 d,11,14,15,16,17,18,19	City of Renton
21												
22	Submit Final Type B Progress Schedule	1 d	0 d	0 d	Mon 3/20/23	Mon 3/20/23	Mon 3/20/23	Mon 3/20/23	Mon 3/20/23	Mon 3/20/23	20	Pivetta - Administration
23	Prepare/Submit Project Specific Traffic Control Plan	0 d	0 d	0 d	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	4	Pivetta - Administration
24	Prepare/Submit Confined Space Program Plan	5 d	0 d	0 d	Mon 10/2/23	Fri 10/6/23	Mon 10/2/23	Fri 10/6/23	Mon 10/2/23	Fri 10/6/23	4	Pivetta - Administration
25	Submit/Fabricate Sample Project Identification Signs to CoR	5 d	0 d	0 d	Mon 2/20/23	Mon 2/27/23	Mon 2/20/23	Mon 2/27/23	Mon 2/20/23	Mon 2/27/23	4	Pivetta - Administration
26	Prepare/Submit Dewatering Plan (Waiting on RFI-007 submitted 2/20/2023)	5 d	0 d	0 d	Mon 10/2/23	Fri 10/6/23	Mon 10/2/23	Fri 10/6/23	Mon 10/2/23	Fri 10/6/23	4	Pivetta - Administration
27	Prepare/Submit Contaminated Soil and GW Handling and Mgmt Plan	0 d	0 d	0 d	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	4	Pivetta - Administration
28	Request JUT Structures and Conduit	1 d	0 d	0 d	Wed 3/8/23	Wed 3/8/23	Wed 3/8/23	Wed 3/8/23	Wed 3/8/23	Wed 3/8/23	20	Pivetta - Administration
29	Utility Preconstruction Meeting	1 d	0 d	0 d	Thu 3/16/23	Thu 3/16/23	Thu 3/16/23	Thu 3/16/23	Thu 3/16/23	Thu 3/16/23	5FS+5 d	City of Renton
30												
31	Setup/Install Temporary Field Offices	0 d	0 d	0 d	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	20	Pivetta
32	Complete Project Existing Conditions Survey	4 d	0 d	0 d	Mon 3/13/23	Fri 3/17/23	Mon 3/13/23	Fri 3/17/23	Mon 3/13/23	Fri 3/17/23	5	Pivetta - Administration
33	Control and Staking	0 d	0 d	0 d	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	5	North Peak
34												
35	<b>Rainier Ave. S. - Construction Duration</b>	<b>630 d?</b>	<b>0 d?</b>	<b>0 d?</b>	<b>Mon 3/13/23</b>	<b>NA</b>	<b>Mon 3/13/23</b>	<b>Tue 10/7/25</b>	<b>Mon 3/13/23</b>	<b>Tue 10/7/25</b>	<b>5,13</b>	
36	<b>Mobilization</b>	<b>107 d</b>	<b>0 d</b>	<b>0 d</b>	<b>Mon 3/13/23</b>	<b>Fri 8/11/23</b>	<b>Mon 3/13/23</b>	<b>Fri 8/11/23</b>	<b>Mon 3/13/23</b>	<b>Fri 8/11/23</b>		
37	CCTV and Flush Sewer Lines	0 d	0 d	0 d	Tue 8/1/23	Tue 8/1/23	Tue 8/1/23	Tue 8/1/23	Tue 8/1/23	Tue 8/1/23	5,12	Insituform
38	Fence Removal and Reinstallation	5 d	0 d	0 d	Tue 8/1/23	Mon 8/7/23	Tue 8/1/23	Mon 8/7/23	Tue 8/1/23	Mon 8/7/23	33SS	Pivetta
39	Sewer Manhole Delivery	39 d	0 d	0 d	Fri 6/16/23	Fri 8/11/23	Fri 6/16/23	Fri 8/11/23	Fri 6/16/23	Fri 8/11/23	5	Pivetta - Administration
40												
41	<b>Potholing</b>	<b>42 d</b>	<b>0 d</b>	<b>0 d</b>	<b>Mon 3/13/23</b>	<b>Tue 5/9/23</b>	<b>Mon 3/13/23</b>	<b>Tue 5/9/23</b>	<b>Mon 3/13/23</b>	<b>Tue 5/9/23</b>		
42	Pothole South Rainier Ave - STA 15+25 to 25+00	17 d	0 d	0 d	Mon 3/13/23	Wed 4/5/23	Mon 3/13/23	Wed 4/5/23	Mon 3/13/23	Wed 4/5/23	5,23	
43	Pothole North Rainier Ave - STA 25+00 to 42+85	24 d	0 d	0 d	Wed 4/5/23	Tue 5/9/23	Wed 4/5/23	Tue 5/9/23	Wed 4/5/23	Tue 5/9/23	42	
44	Pothole Side Streets	0 d	0 d	0 d	Thu 5/4/23	Thu 5/4/23	Thu 5/4/23	Thu 5/4/23	Thu 5/4/23	Thu 5/4/23	43	
45												
46	<b>Stage 1 (West)</b>	<b>436 d?</b>	<b>183 d?</b>	<b>183 d?</b>	<b>Tue 3/28/23</b>	<b>NA</b>	<b>Tue 3/28/23</b>	<b>Wed 1/15/25</b>	<b>Tue 3/28/23</b>	<b>Tue 10/7/25</b>	<b>5</b>	
47	<b>Site Prep - Sta 13+93.10 to 40+80.29</b>	<b>133.25 d</b>	<b>0 d</b>	<b>0 d</b>	<b>Tue 3/28/23</b>	<b>Fri 10/6/23</b>	<b>Tue 3/28/23</b>	<b>Fri 10/6/23</b>	<b>Tue 3/28/23</b>	<b>Fri 10/6/23</b>		
48	Install Project Identification and Business Owner Signs	1 d	0 d	0 d	Tue 3/28/23	Tue 3/28/23	Tue 3/28/23	Tue 3/28/23	Tue 3/28/23	Tue 3/28/23	4	Pivetta
49	Install High Visibility Fence/Inspection by CoR	1 d	0 d	0 d	Wed 3/29/23	Wed 3/29/23	Wed 3/29/23	Wed 3/29/23	Wed 3/29/23	Wed 3/29/23	4	Pivetta
50	Install TESC- Stage 1	28 d	0 d	0 d	Wed 3/29/23	Fri 5/5/23	Wed 3/29/23	Fri 5/5/23	Wed 3/29/23	Fri 5/5/23	4	Pivetta
51	Clear & Grub - Stage 1 (Work Progressing as Needed with Other Activities)	2.25 d	0 d	0 d	Wed 6/21/23	Mon 4/24/23	Wed 6/21/23	Mon 4/24/23	Wed 6/21/23	Mon 4/24/23	50	Pivetta
52	Complete Removals	5 d	0 d	0 d	Mon 4/24/23	Fri 10/6/23	Mon 4/24/23	Fri 10/6/23	Mon 4/24/23	Fri 10/6/23	51	Pivetta
53	Relocate Bus Shelter - Sta 27+45.48	3 d	0 d	0 d	Mon 4/24/23	Wed 4/26/23	Mon 4/24/23	Wed 4/26/23	Mon 4/24/23	Wed 4/26/23	5	Pivetta
54	<b>Temporary Channelization and Signalization - Sta 13+95 to 43+63.00</b>	<b>14 d</b>	<b>0 d</b>	<b>0 d</b>	<b>Wed 4/5/23</b>	<b>Mon 4/24/23</b>	<b>Wed 4/5/23</b>	<b>Mon 4/24/23</b>	<b>Wed 4/5/23</b>	<b>Mon 4/24/23</b>		
55	<b>Portable Temporary Signal System (SW Sunset/S 3rd St.) (2nd St.) (Airport Way/Renton Ave)</b>	<b>6 d</b>	<b>0 d</b>	<b>0 d</b>	<b>Wed 4/5/23</b>	<b>Wed 4/12/23</b>	<b>Wed 4/5/23</b>	<b>Wed 4/12/23</b>	<b>Wed 4/5/23</b>	<b>Wed 4/12/23</b>		
56	Pull Wire to Tie In Temp Signal	2 d	0 d	0 d	Wed 4/5/23	Thu 4/6/23	Wed 4/5/23	Thu 4/6/23	Wed 4/5/23	Thu 4/6/23	48	Golden Gate
57	Video Detection Camera Installation	1 d	0 d	0 d	Wed 4/12/23	Wed 4/12/23	Wed 4/12/23	Wed 4/12/23	Wed 4/12/23	Wed 4/12/23	56SS+2 d	Golden Gate
58	Install Portable Signal System	1 d	0 d	0 d	Wed 4/12/23	Wed 4/12/23	Wed 4/12/23	Wed 4/12/23	Wed 4/12/23	Wed 4/12/23	57	Golden Gate
59	Adjust and Modify Signals	1 d	0 d	0 d	Wed 4/12/23	Wed 4/12/23	Wed 4/12/23	Wed 4/12/23	Wed 4/12/23	Wed 4/12/23	58	Golden Gate
60	<b>Temporary Channelization - Sta 13+95 to 43+63.00</b>	<b>9 d</b>	<b>0 d</b>	<b>0 d</b>	<b>Wed 4/12/23</b>	<b>Mon 4/24/23</b>	<b>Wed 4/12/23</b>	<b>Mon 4/24/23</b>	<b>Wed 4/12/23</b>	<b>Mon 4/24/23</b>		
61	Install Stage 1 Construction Channelization and Striping - South of Airport Way	0 d	0 d	0 d	Wed 4/12/23	Wed 4/12/23	Wed 4/12/23	Wed 4/12/23	Wed 4/12/23	Wed 4/12/23	57,59,58,56,53,48FF	SPM
62	Install Stage 1 Construction Channelization and Striping - North of Airport Way	1 d	0 d	0 d	Mon 4/24/23	Mon 4/24/23	Mon 4/24/23	Mon 4/24/23	Mon 4/24/23	Mon 4/24/23	61	SPM
63	<b>Joint Utility Trench - Sta 15+25 to 42+85</b>	<b>216 d?</b>	<b>0 d?</b>	<b>0 d?</b>	<b>Tue 3/28/23</b>	<b>NA</b>	<b>Tue 3/28/23</b>	<b>Fri 2/23/24</b>	<b>Tue 3/28/23</b>	<b>Fri 2/23/24</b>		
64	<b>JUT - Walgreens to Sansonia (Sections A, EE, AA) - Sta 15+25 to Sta 18+40</b>	<b>87 d</b>	<b>0 d</b>	<b>0 d</b>	<b>Tue 3/28/23</b>	<b>Mon 7/31/23</b>	<b>Tue 3/28/23</b>	<b>Mon 7/31/23</b>	<b>Tue 3/28/23</b>	<b>Mon 7/31/23</b>		
65	Receive Vaults and Conduits from Utilities	10 d	0 d	0 d	Tue 3/28/23	Mon 6/5/23	Tue 3/28/23	Mon 6/5/23	Tue 3/28/23	Mon 6/5/23	5,28	Utilities
66	Install Vaults	3.5 d	0 d	0 d	Thu 5/11/23	Wed 6/7/23	Thu 5/11/23	Wed 6/7/23	Thu 5/11/23	Wed 6/7/23	65,74,42	Pivetta - JUT
67	Install Conduits	34 d	0 d	0 d	Mon 6/12/23	Mon 7/31/23	Mon 6/12/23	Mon 7/31/23	Mon 6/12/23	Mon 7/31/23	66	Pivetta - JUT/Golden Gate/PSE - Ga
68	<b>JUT - Night/Stage 2 - Hertz/Lyft to Taco Time - Sta 14+21.6 to 18+40</b>	<b>104 d</b>	<b>0 d</b>	<b>0 d</b>	<b>Tue 3/28/23</b>	<b>Wed 8/23/23</b>	<b>Tue 3/28/23</b>	<b>Wed 8/23/23</b>	<b>Tue 3/28/23</b>	<b>Wed 8/23/23</b>		
69	Receive Vaults and Conduits from Utilities	6 d	0 d	0 d	Tue 3/28/23	Tue 5/30/23	Tue 3/28/23	Tue 5/30/23	Tue 3/28/23	Tue 5/30/23	28	Utilities
70	Install Vaults	2 d	0 d	0 d	Tue 8/1/23	Mon 7/31/23	Tue 8/1/23	Mon 7/31/23	Tue 8/1/23	Mon 7/31/23	69	Pivetta - JUT
71	Install Conduits	8 d	0 d	0 d	Mon 8/14/23	Wed 8/23/23	Mon 8/14/23	Wed 8/23/23	Mon 8/14/23	Wed 8/23/23	75,70	Pivetta - JUT/Golden Gate/PSE - Ga
72	<b>JUT - Night/Crossing - Watson Sec to Taco Time, Across 2nd St., Vacant to Metro PCS - Sta 18+40 to 20+10</b>	<b>108 d</b>	<b>0 d</b>	<b>0 d</b>	<b>Tue 3/28/23</b>	<b>Tue 8/29/23</b>	<b>Tue 3/28/23</b>	<b>Tue 8/29/23</b>	<b>Tue 3/28/23</b>	<b>Tue 8/29/23</b>		
73	Receive Vaults and Conduits from Utilities	10 d	0 d	0 d	Tue 3/28/23	Mon 6/5/23	Tue 3/28/23	Mon 6/5/23	Tue 3/28/23	Mon 6/5/23	28	Utilities
74	Install Vaults	12 d	0 d	0 d	Tue 6/20/23	Fri 7/7/23	Tue 6/20/23	Fri 7/7/23	Tue 6/20/23	Fri 7/7/23	73,42	Pivetta - JUT
75	Install Conduits	21 d	0 d	0 d	Tue 8/1/23	Tue 8/29/23	Tue 8/1/23	Tue 8/29/23	Tue 8/1/23	Tue		



ID	Task Name	Duration	Total Slack	Free Slack	Actual Start	Actual Finish	Early Start	Early Finish	Late Start	Late Finish	Predecessors	Text2	2023	2024	2025	2026
76	JUT - Night/Stage 2 - Vacant to Formula 1 Fast Lube - Sta 20+10 to 25+20	114 d	0 d	0 d	Tue 3/28/23	Thu 9/7/23	Tue 3/28/23	Thu 9/7/23	Tue 3/28/23	Thu 9/7/23						
77	Remove/Relocate Bus Shelter - Sta 24+59.90	4 d	0 d	0 d	Mon 6/12/23	Thu 6/15/23	Mon 6/12/23	Thu 6/15/23	Mon 6/12/23	Thu 6/15/23	5	Pivetta - JUT				
78	Receive Vaults and Conduits from Utilities	1 d	0 d	0 d	Tue 3/28/23	Wed 6/21/23	Tue 3/28/23	Wed 6/21/23	Tue 3/28/23	Wed 6/21/23	28	Utilities				
79	Install Vaults	4 d	0 d	0 d	Wed 8/30/23	Tue 9/5/23	Wed 8/30/23	Tue 9/5/23	Wed 8/30/23	Tue 9/5/23	78,77,70					
80	Install Conduits	6 d	0 d	0 d	Wed 8/30/23	Thu 9/7/23	Wed 8/30/23	Thu 9/7/23	Wed 8/30/23	Thu 9/7/23	79	Pivetta - JUT/Golden Gate/PSE - Ga				
81	JUT - Big Island Poke to Watson Security (Sections B, C, F, D, R, K, M, JJ, DD, LL, E, G, H, Z) - Sta 19+00 to 24+80	153 d	0 d	0 d	Tue 3/28/23	Fri 11/3/23	Tue 3/28/23	Fri 11/3/23	Tue 3/28/23	Fri 11/3/23						
82	Receive Vaults and Conduits from Utilities	1 d	0 d	0 d	Tue 3/28/23	Wed 6/21/23	Tue 3/28/23	Wed 6/21/23	Tue 3/28/23	Wed 6/21/23	28	Utilities				
83	Install Vaults (J07 Installed Last with RFI-072)	0 d	0 d	0 d	Mon 5/15/23	Mon 7/17/23	Mon 5/15/23	Mon 7/17/23	Mon 5/15/23	Mon 7/17/23	82,65,79	Pivetta - JUT				
84	Install Conduits	38 d	0 d	0 d	Mon 9/11/23	Fri 11/3/23	Mon 9/11/23	Fri 11/3/23	Mon 9/11/23	Fri 11/3/23						
85	Install Conduits	23 d	0 d	0 d	Mon 9/11/23	Fri 11/3/23	Mon 9/11/23	Fri 11/3/23	Mon 9/11/23	Fri 11/3/23	82,83,289,67,71,80	Pivetta - JUT/Golden Gate/PSE - Ga				
86	Contaminated Soils at STA 21+50	9 d	0 d	0 d	Thu 9/28/23	Tue 10/10/23	Thu 9/28/23	Tue 10/10/23	Thu 9/28/23	Tue 10/10/23	85SS					
87	JUT - Night/Power Crossting - Sta 23+80	3 d	0 d	0 d	Mon 10/2/23	Wed 10/4/23	Mon 10/2/23	Wed 10/4/23	Mon 10/2/23	Wed 10/4/23						
88	Install Conduits (Deleted Per FD)	3 d	0 d	0 d	Mon 10/2/23	Wed 10/4/23	Mon 10/2/23	Wed 10/4/23	Mon 10/2/23	Wed 10/4/23						
89	JUT - Victoria Street (CO-09)	8 d	0 d	0 d	Mon 11/20/23	Fri 12/1/23	Mon 11/20/23	Fri 12/1/23	Mon 11/20/23	Fri 12/1/23						
90	Install Conduits	8 d	0 d	0 d	Mon 11/20/23	Fri 12/1/23	Mon 11/20/23	Fri 12/1/23	Mon 11/20/23	Fri 12/1/23	95					
91	JUT - Watson Security to Renton Ave. Ext (NO PSE Gas) - Sta 24+80 to 31+90	196 d?	20 d?	20 d?	Tue 3/28/23	NA	Tue 3/28/23	Thu 1/25/24	Tue 3/28/23	Fri 12/1/23						
92	Receive Vaults and Conduits from Utilities	1 d	0 d	0 d	Tue 3/28/23	Wed 6/21/23	Tue 3/28/23	Wed 6/21/23	Tue 3/28/23	Wed 6/21/23	28	Utilities				
93	Install Vaults	12 d	0 d	0 d	Tue 5/23/23	Tue 10/17/23	Tue 5/23/23	Tue 10/17/23	Tue 5/23/23	Tue 10/17/23	92,83,43	Pivetta - JUT				
94	Install Conduits	9 d?	0 d?	0 d?	Mon 11/6/23	Fri 11/17/23	Mon 11/6/23	Fri 11/17/23	Mon 11/6/23	Fri 11/17/23	93	Pivetta - JUT/Golden Gate/PSE - Ga				
95	Watson Security to Hayes	4 d	0 d	0 d	Mon 11/6/23	Fri 11/17/23	Mon 11/6/23	Fri 11/17/23	Mon 11/6/23	Fri 11/17/23	85					
96	Hayes to Renton Ave	4 d	0 d	0 d	Mon 12/4/23	Fri 1/5/24	Mon 12/4/23	Fri 1/5/24	Mon 12/4/23	Fri 1/5/24	95,90					
97	Contaminated Soil @ STA 28+75	2 d	0 d	0 d	Tue 12/12/23	Wed 12/13/23	Tue 12/12/23	Wed 12/13/23	Tue 12/12/23	Wed 12/13/23	96SS					
98	PSE Pole Removal and Installation - S. Tobin St. - Sta 501+51.37	2 d	20 d	20 d	NA	NA	Wed 1/24/24	Thu 1/25/24	Thu 2/22/24	Fri 2/23/24	94	PSE - Electric				
99	JUT - Night/Power Crossing - Tobin St, Sta 28+75 and 30+28	4 d	0 d	0 d	NA	NA	Wed 1/24/24	Mon 1/29/24	Wed 1/24/24	Mon 1/29/24						
100	Install Conduits	4 d	0 d	0 d	NA	NA	Wed 1/24/24	Mon 1/29/24	Wed 1/24/24	Mon 1/29/24	94,96,104	Pivetta - JUT/Golden Gate/PSE - Ga				
101	JUT - Night/Crossing Renton Ave Ext - Sta 31+90 to 33+00	194 d	0 d	0 d	Tue 3/28/23	Tue 1/23/24	Tue 3/28/23	Tue 1/23/24	Tue 3/28/23	Tue 1/23/24						
102	Receive Vaults and Conduits from Utilities	1 d	0 d	0 d	Tue 3/28/23	Wed 6/21/23	Tue 3/28/23	Wed 6/21/23	Tue 3/28/23	Wed 6/21/23	28	Utilities				
103	Install Vaults	4 d	0 d	0 d	Mon 10/2/23	Thu 10/5/23	Mon 10/2/23	Thu 10/5/23	Mon 10/2/23	Thu 10/5/23	102,62	Pivetta - JUT				
104	Install Conduits	7 d	0 d	0 d	Mon 1/8/24	Tue 1/23/24	Mon 1/8/24	Tue 1/23/24	Mon 1/8/24	Tue 1/23/24	102,103,96	Pivetta - JUT/Golden Gate/PSE - Ga				
105	JUT - Arco to Gerber Collision- Section P, U, V, W (No PSE Gas) - Sta 33+00 to 42+85	216 d	0 d	0 d	Tue 3/28/23	NA	Tue 3/28/23	Fri 2/23/24	Tue 3/28/23	Fri 2/23/24						
106	Receive Vaults and Conduits from Utilities	1 d	0 d	0 d	Tue 3/28/23	Wed 6/21/23	Tue 3/28/23	Wed 6/21/23	Tue 3/28/23	Wed 6/21/23	28	Utilities				
107	Install Vaults	17 d	0 d	0 d	Wed 10/18/23	Fri 1/5/24	Wed 10/18/23	Fri 1/5/24	Wed 10/18/23	Fri 1/5/24	93,106,38	Pivetta - JUT				
108	Install Conduits	12 d	0 d	0 d	NA	NA	Wed 2/7/24	Fri 2/23/24	Wed 2/7/24	Fri 2/23/24	106,107,112	Pivetta - JUT/Golden Gate/PSE - Ga				
109	JUT - Night/Crossings - Sta 33+77, 36+17, 40+43	204 d	0 d	0 d	Tue 3/28/23	NA	Tue 3/28/23	Tue 2/6/24	Tue 3/28/23	Tue 2/6/24						
110	Receive Vaults and Conduits from Utility Owner	1 d	0 d	0 d	Tue 3/28/23	Wed 6/21/23	Tue 3/28/23	Wed 6/21/23	Tue 3/28/23	Wed 6/21/23	28	Utilities				
111	Install Vaults	1 d	0 d	0 d	Wed 10/18/23	Wed 10/18/23	Wed 10/18/23	Wed 10/18/23	Wed 10/18/23	Wed 10/18/23	107SS,103,110	Pivetta - JUT				
112	Install Conduit	6 d	0 d	0 d	NA	NA	Tue 1/30/24	Tue 2/6/24	Tue 1/30/24	Tue 2/6/24	111,100	Pivetta - JUT/Golden Gate/PSE - Ga				
113	JUT - Utility Owner Work, Removals, Grounding/Bonding 15+25 to 42+85	147 d	57 d	57 d	Mon 10/2/23	NA	Mon 10/2/23	Fri 5/17/24	Mon 10/2/23	Fri 8/9/24						
114	Lumen/CenturyLink to Begin Work South of Victoria Street	0 d	0 d	0 d	Tue 1/23/24	Tue 1/23/24	Tue 1/23/24	Tue 1/23/24	Tue 1/23/24	Tue 1/23/24	94					
115	PSE Gas - Install 1-6" Gas Line & Connections to Main JUT across Rainier (Ends at HH/II in SW Victoria)	28 d	0 d	0 d	Mon 10/2/23	Thu 1/4/24	Mon 10/2/23	Thu 1/4/24	Mon 10/2/23	Thu 1/4/24	67SS	PSE - Gas				
116	Relocate Gas Line on Airport Way to Avoid Storm Drain	4 d	0 d	0 d	Mon 1/8/24	Thu 1/11/24	Mon 1/8/24	Thu 1/11/24	Mon 1/8/24	Thu 1/11/24						
117	Rem/Abandon Existing PSE Gas Main	60 d	104 d	104 d	Mon 10/2/23	NA	Mon 10/2/23	Wed 3/13/24	Mon 10/2/23	Fri 8/9/24	115SS	PSE - Gas				
118	PSE - Pull Wire (Power and Fiber) and Complete Connections	60 d	0 d	0 d	NA	NA	Mon 2/26/24	Fri 5/17/24	Mon 2/26/24	Fri 5/17/24	98,111,108	Utilities				
119	PSE - Install Transformers - V02A, V0X, V15A, V16A	60 d	0 d	0 d	NA	NA	Mon 2/26/24	Fri 5/17/24	Mon 2/26/24	Fri 5/17/24	118SS	PSE - Electric				
120	Lumen/Centurylink - Pull Wire and Complete Connections Project Wide	60 d	0 d	0 d	NA	NA	Mon 2/26/24	Fri 5/17/24	Mon 2/26/24	Fri 5/17/24	118SS,111,114,108	Centurylink				
121	Comcast - Pull Wire and Complete Connections	60 d	0 d	0 d	NA	NA	Mon 2/26/24	Fri 5/17/24	Mon 2/26/24	Fri 5/17/24	120SS,111,108	Comcast				
122	Remove Existing Vaults, Pedestals, and Risers	60 d	0 d	0 d	NA	NA	Mon 2/26/24	Fri 5/17/24	Mon 2/26/24	Fri 5/17/24	119SS,120SS,121SS	Utilities				
123	5G Small Cell Network Conduit System - Sta 14+65 to 41+55	23 d	0 d	0 d	Mon 10/2/23	Wed 11/1/23	Mon 10/2/23	Wed 11/1/23	Mon 10/2/23	Wed 11/1/23						
124	Trench and Conduit	21 d	0 d	0 d	Mon 10/2/23	Mon 10/30/23	Mon 10/2/23	Mon 10/30/23	Mon 10/2/23	Mon 10/30/23	67SS,108	Golden Gate				
125	Boxes	2 d	0 d	0 d	Tue 10/31/23	Wed 11/1/23	Tue 10/31/23	Wed 11/1/23	Tue 10/31/23	Wed 11/1/23	124	Golden Gate				
126	Water Line/Night - Sta 14+02 to 42+14.5	434 d	183 d	183 d	Thu 3/30/23	NA	Thu 3/30/23	Wed 1/15/25	Thu 3/30/23	Wed 10/7/25						
127	Stage 1 Bypass, Cut and Cap	116 d	0 d	0 d	Mon 4/17/23	Mon 10/2/23	Mon 4/17/23	Mon 10/2/23	Mon 4/17/23	Mon 10/2/23						
128	Cut and Cap Existing Waterline - Sta 15+55	4 d	0 d	0 d	Mon 4/17/23	Thu 4/20/23	Mon 4/17/23	Thu 4/20/23	Mon 4/17/23	Thu 4/20/23	42	Pivetta - Water/City of Renton Wat				
129	Cut and Cap Existing Waterline - Taco Time to Buddy's Home Furnishings - Sta 18+20 to 21+00	0 d	0 d	0 d	Mon 4/17/23	Mon 4/17/23	Mon 4/17/23	Mon 4/17/23	Mon 4/17/23	Mon 4/17/23	128,42	Pivetta - Water/City of Renton Wat				
130	Cut and Cap Existing Waterline - SW Victoria - Sta 25+00 (Deleted - Work Not Required)	1 d	0 d	0 d	Mon 10/2/23	Mon 10/2/23	Mon 10/2/23	Mon 10/2/23	Mon 10/2/23	Mon 10/2/23		Pivetta - Water/City of Renton Wat				
131	Cut and Cap Waterline - S. Tobin St. - Sta 28+60 (Deleted - Work Not Required)	1 d	0 d	0 d	Mon 10/2/23	Mon 10/2/23	Mon 10/2/23	Mon 10/2/23	Mon 10/2/23	Mon 10/2/23		Pivetta - Water/City of Renton Wat				
132	Water Line - Stage 1 - Sta 14+02.2 to 42+06.9 Rainier Ave, Sta 30+74.5 to 602+87.44 Airport Way	125 d	0 d	0 d	Tue 5/2/23	Mon 10/30/23	Tue 5/2/23	Mon 10/30/23	Tue 5/2/23	Mon 10/30/23						
133	Install Water Line and Appurtenances	28 d	0 d	0 d	Tue 5/2/23	Mon 10/30/23	Tue 5/2/23	Mon 10/30/23	Tue 5/2/23	Mon 10/30/23	62,129	Pivetta - Water				
134	FRPCS Concrete DMB (Deleted - Work Occurring with Water Line Install)	15 d	0 d	0 d	Mon 10/2/23	Fri 10/20/23	Mon 10/2/23	Fri 10/20/23	Mon 10/2/23	Fri 10/20/23		Pivetta - Water				
135	Pressure Testing, Polypig, Disinfect Water Line	88 d	0 d	0 d	Wed 6/21/23	Tue 10/24/23	Wed 6/21/23	Tue 10/24/23	Wed 6/21/23	Tue 10/24/23	133	Pivetta - Water				
136	Install Water Line Services and Meters	0 d	0 d	0 d	Thu 6/1/23	Thu 6/1/23	Thu 6/1/23	Thu 6/1/23	Thu 6/1/23	Thu 6/1/23	135	Pivetta - Water				
137	Install Hydrants	8 d	0 d	0 d	Thu 6/1/23	Wed 10/11/23	Thu 6/1/23	Wed 10/11/23	Thu 6/1/23	Wed 10/11/23	136	Pivetta - Water				
138	Abandon/Remove Existing Water Line	2 d	0 d	0 d	Thu 10/12/23	Fri 10/13/23	Thu 10/12/23	Fri 10/13/23	Thu 10/12/23	Fri 10/13/23	137	Pivetta - Water				
139	Water Line - Crossing - Taco Time to S. 2nd St. - Sta 18+49.0 & 18+49.0 to 19+31.9	202 d	342 d	342 d	Thu 3/30/23	NA	Thu 3/30/23	Tue 2/6/24	Thu 3/30/23	Thu 2/24/25						
140	Install Water Line and Appurtenances	2 d	0 d	0 d	Thu 5/11/23	Tue 5/23/23	Thu 5/11/23	Tue 5/23/23	Thu 5/11/23	Tue 5/23/23	133SS+5 d	Pivetta - Water				
141																











ID	Task Name	Duration	Total Slack	Free Slack	Actual Start	Actual Finish	Early Start	Early Finish	Late Start	Late Finish	Predecessors	Text2	2023	2024	2025	2026
383	Install Filterra Unit	1 d	0 d	0 d	NA	NA	Fri 3/14/25	Fri 3/14/25	Fri 3/14/25	Fri 3/14/25	382	Pivetta - Sewer				
384	<b>Airport Way - Sta 33+17.81 to 601+64.04</b>	<b>6 d</b>	<b>0 d</b>	<b>0 d</b>	<b>NA</b>	<b>NA</b>	<b>Mon 3/17/25</b>	<b>Mon 3/17/25</b>	<b>Mon 3/17/25</b>	<b>Mon 3/17/25</b>						
385	Install Drainage and Catch Basins	5 d	0 d	0 d	NA	NA	Mon 3/17/25	Fri 3/21/25	Mon 3/17/25	Fri 3/21/25	383	Pivetta - Sewer				
386	Install Filterra Units	1 d	0 d	0 d	NA	NA	Mon 3/24/25	Mon 3/24/25	Mon 3/24/25	Mon 3/24/25	385	Pivetta - Sewer				
387	<b>N of Airport Way to S. of Nelson Pl. - Sta 36+15.83 to 38+57.60 - Night/Partial Stage 3</b>	<b>7 d</b>	<b>0 d</b>	<b>0 d</b>	<b>NA</b>	<b>NA</b>	<b>Tue 3/25/25</b>	<b>Wed 4/2/25</b>	<b>Wed 4/2/25</b>	<b>Wed 4/2/25</b>						
388	Install Drainage and Catch Basins	6 d	0 d	0 d	NA	NA	Tue 3/25/25	Tue 4/1/25	Tue 3/25/25	Tue 4/1/25	386	Pivetta - Sewer				
389	Install Filterra Units	1 d	0 d	0 d	NA	NA	Wed 4/2/25	Wed 4/2/25	Wed 4/2/25	Wed 4/2/25	388	Pivetta - Sewer				
390	<b>S. of Nelson Pl to End - Sta 37+91.23 to 41+72.60</b>	<b>11 d</b>	<b>0 d</b>	<b>0 d</b>	<b>NA</b>	<b>NA</b>	<b>Thu 4/3/25</b>	<b>Thu 4/17/25</b>	<b>Thu 4/3/25</b>	<b>Thu 4/17/25</b>						
391	Install Drainage and Catch Basins	8 d	0 d	0 d	NA	NA	Thu 4/3/25	Mon 4/14/25	Thu 4/3/25	Mon 4/14/25	389	Pivetta - Sewer				
392	Install Filterra Units	3 d	0 d	0 d	NA	NA	Tue 4/15/25	Thu 4/17/25	Tue 4/15/25	Thu 4/17/25	391	Pivetta - Sewer				
393	<b>Illumination - Sta 204+60 to 201+25, 133+50 to 42+08</b>	<b>146 d</b>	<b>0 d</b>	<b>0 d</b>	<b>NA</b>	<b>NA</b>	<b>Tue 12/24/24</b>	<b>Wed 7/30/25</b>	<b>Tue 3/4/25</b>	<b>Wed 7/30/25</b>						
394	<b>Decorative Illumination System</b>	<b>146 d</b>	<b>0 d</b>	<b>0 d</b>	<b>NA</b>	<b>NA</b>	<b>Tue 12/24/24</b>	<b>Wed 7/30/25</b>	<b>Tue 3/4/25</b>	<b>Wed 7/30/25</b>						
395	<b>Below Ground</b>	<b>33 d</b>	<b>42 d</b>	<b>42 d</b>	<b>NA</b>	<b>NA</b>	<b>Tue 12/24/24</b>	<b>Tue 2/18/25</b>	<b>Tue 3/4/25</b>	<b>Thu 4/17/25</b>						
396	Trench and Conduit	23 d	42 d	0 d	NA	NA	Tue 12/24/24	Mon 2/3/25	Tue 3/4/25	Thu 4/3/25	360	Golden Gate				
397	Foundations	24 d	42 d	0 d	NA	NA	Tue 12/24/24	Tue 2/4/25	Tue 3/4/25	Fri 4/4/25	396SS	Golden Gate				
398	Junction Boxes	9 d	42 d	0 d	NA	NA	Wed 2/5/25	Tue 2/18/25	Mon 4/7/25	Thu 4/17/25	397	Golden Gate				
399	<b>Above Ground</b>	<b>56 d</b>	<b>0 d</b>	<b>0 d</b>	<b>NA</b>	<b>NA</b>	<b>Fri 5/9/25</b>	<b>Wed 7/30/25</b>	<b>Fri 5/9/25</b>	<b>Wed 7/30/25</b>						
400	Set Poles	31 d	0 d	0 d	NA	NA	Fri 5/9/25	Tue 6/24/25	Fri 5/9/25	Tue 6/24/25	397,427	Golden Gate				
401	Install Lighting Wiring	20 d	0 d	0 d	NA	NA	Wed 6/25/25	Wed 7/23/25	Wed 6/25/25	Wed 7/23/25	398,400	Golden Gate				
402	Test and Turn On	2 d	0 d	0 d	NA	NA	Thu 7/24/25	Fri 7/25/25	Thu 7/24/25	Fri 7/25/25	400,401	Golden Gate				
403	Remove and Salvage Old Poles&Wiring	3 d	0 d	0 d	NA	NA	Mon 7/28/25	Wed 7/30/25	Mon 7/28/25	Wed 7/30/25	402	Golden Gate				
404	<b>Walls - Sta 18+53.50 to 33+39.60</b>	<b>25 d</b>	<b>68 d</b>	<b>68 d</b>	<b>NA</b>	<b>NA</b>	<b>Wed 2/19/25</b>	<b>Tue 3/25/25</b>	<b>Tue 5/27/25</b>	<b>Tue 9/16/25</b>						
405	<b>Wall 3 - CCFW and Modular Block Wall - Sta 300+54.06 to 301+10.11</b>	<b>15 d</b>	<b>68 d</b>	<b>68 d</b>	<b>NA</b>	<b>NA</b>	<b>Wed 2/19/25</b>	<b>Tue 3/11/25</b>	<b>Tue 5/27/25</b>	<b>Mon 6/16/25</b>						
406	Construct Concrete Fill Wall - Sta 17+53.50 to 18+48.48	5 d	68 d	0 d	NA	NA	Wed 2/19/25	Tue 2/25/25	Tue 5/27/25	Mon 6/2/25	398,360	WCCI				
407	Construct Modular Block Wall - Sta 300+54.05 to 301+10.11	10 d	68 d	0 d	NA	NA	Wed 2/26/25	Tue 3/11/25	Tue 6/3/25	Mon 6/16/25	406	Key West				
408	<b>Wall 4 - Modular Block Wall - Sta 21+11.76 to 21+59.62</b>	<b>5 d</b>	<b>68 d</b>	<b>68 d</b>	<b>NA</b>	<b>NA</b>	<b>Wed 3/12/25</b>	<b>Tue 3/18/25</b>	<b>Tue 6/17/25</b>	<b>Tue 6/24/25</b>						
409	Construct Modular Block Wall - Sta 21+11.76 to 21+59.62	5 d	68 d	30 d	NA	NA	Wed 3/12/25	Tue 3/18/25	Tue 6/17/25	Tue 6/24/25	407	Key West				
410	<b>Gateway Wall B - Sta 33+39.60 to 600+57.12</b>	<b>20 d</b>	<b>68 d</b>	<b>68 d</b>	<b>NA</b>	<b>NA</b>	<b>Wed 2/26/25</b>	<b>Tue 3/25/25</b>	<b>Tue 6/3/25</b>	<b>Tue 9/16/25</b>						
411	Construct Gateway Wall B	15 d	68 d	0 d	NA	NA	Wed 2/26/25	Tue 3/18/25	Tue 6/3/25	Tue 6/24/25	406	WCCI				
412	Install Decorative Cutouts and Skate Deterrent - Gateway Wall B	5 d	121 d	118 d	NA	NA	Wed 3/19/25	Tue 3/25/25	Wed 9/10/25	Tue 9/16/25	411	WCCI				
413	<b>Curb and Gutter - Sta 204+63.59 to 42+07.42</b>	<b>17 d</b>	<b>0 d</b>	<b>0 d</b>	<b>NA</b>	<b>NA</b>	<b>Fri 4/18/25</b>	<b>Mon 5/12/25</b>	<b>Thu 7/10/25</b>	<b>Thu 7/10/25</b>						
414	<b>Curb and Gutter - S. 3rd St. to S. 2nd St. - Sta 204+63.59 to 301+09.32</b>	<b>8 d</b>	<b>0 d</b>	<b>0 d</b>	<b>NA</b>	<b>NA</b>	<b>Fri 4/18/25</b>	<b>Tue 4/29/25</b>	<b>Fri 4/18/25</b>	<b>Tue 4/29/25</b>						
415	Grade/Prep Base/Place CSBC	4 d	0 d	0 d	NA	NA	Fri 4/18/25	Wed 4/23/25	Fri 4/18/25	Wed 4/23/25	392,166,369,371,398	Pivetta - Earthwork				
416	Form and Pour Curb and Gutter	4 d	0 d	0 d	NA	NA	Thu 4/24/25	Tue 4/29/25	Thu 4/24/25	Tue 4/29/25	415	WCCI				
417	<b>Curb and Gutter - S. 2nd St. to S. Tobin St. - Sta 19+57.82 to 28+61.93</b>	<b>6 d</b>	<b>0 d</b>	<b>0 d</b>	<b>NA</b>	<b>NA</b>	<b>Thu 4/24/25</b>	<b>Thu 5/1/25</b>	<b>Fri 4/25/25</b>	<b>Thu 5/1/25</b>						
418	Grade/Prep Base/Place CSBC	2 d	1 d	0 d	NA	NA	Thu 4/24/25	Fri 4/25/25	Mon 4/28/25	Mon 4/28/25	415,172	Pivetta - Earthwork				
419	Form and Pour Curb and Gutter	2 d	0 d	0 d	NA	NA	Wed 4/30/25	Thu 5/1/25	Wed 4/30/25	Thu 5/1/25	416,418	WCCI				
420	<b>Curb and Gutter - S. Tobin St. to Airport Way - Sta 28+61.93 to 604+36.35</b>	<b>11 d</b>	<b>1 d</b>	<b>1 d</b>	<b>NA</b>	<b>NA</b>	<b>Mon 4/28/25</b>	<b>Mon 5/12/25</b>	<b>Tue 4/29/25</b>	<b>Thu 7/10/25</b>						
421	Grade/Prep Base/Place CSBC	2 d	1 d	0 d	NA	NA	Mon 4/28/25	Tue 4/29/25	Tue 4/29/25	Wed 4/30/25	418	Pivetta - Earthwork				
422	Form and Pour Curb and Gutter	2 d	0 d	0 d	NA	NA	Fri 5/2/25	Mon 5/5/25	Fri 5/2/25	Mon 5/5/25	421,419	WCCI				
423	<b>Islands - Sta 31+86.30 to 601+03.49</b>	<b>5 d</b>	<b>40 d</b>	<b>40 d</b>	<b>NA</b>	<b>NA</b>	<b>Tue 5/6/25</b>	<b>Mon 5/12/25</b>	<b>Thu 7/3/25</b>	<b>Thu 7/10/25</b>						
424	Grade/Place CSBC/Place Island 1 - Airport Way	5 d	40 d	0 d	NA	NA	Tue 5/6/25	Mon 5/12/25	Thu 7/3/25	Thu 7/10/25	422	Pivetta - Earthwork				
425	<b>Curb and Gutter - Airport Way to End - Sta 603+57.87 to 42+07.42</b>	<b>7 d</b>	<b>0 d</b>	<b>0 d</b>	<b>NA</b>	<b>NA</b>	<b>Wed 4/30/25</b>	<b>Thu 5/8/25</b>	<b>Thu 5/1/25</b>	<b>Mon 5/8/25</b>						
426	Grade/Prep Base/Place CSBC	3 d	1 d	1 d	NA	NA	Wed 4/30/25	Fri 5/2/25	Thu 5/1/25	Mon 5/5/25	421	Pivetta - Earthwork				
427	Form and Pour Curb and Gutter	3 d	0 d	0 d	NA	NA	Tue 5/6/25	Thu 5/8/25	Tue 5/6/25	Thu 5/8/25	422,426	WCCI				
428	<b>Sidewalk - Sta 204+63.59 to 42+07.42</b>	<b>37 d</b>	<b>38 d</b>	<b>38 d</b>	<b>NA</b>	<b>NA</b>	<b>Wed 4/30/25</b>	<b>Mon 6/23/25</b>	<b>Wed 6/25/25</b>	<b>Tue 9/16/25</b>						
429	<b>Sidewalk - S. 3rd St. to S. 2nd St. - Sta 204+63.59 to 301+09.32</b>	<b>17 d</b>	<b>38 d</b>	<b>38 d</b>	<b>NA</b>	<b>NA</b>	<b>Wed 4/30/25</b>	<b>Thu 5/22/25</b>	<b>Wed 6/25/25</b>	<b>Fri 7/25/25</b>						
430	Grade/Prep Base/Place CSBC - Sidewalk and Driveway Approaches	5 d	38 d	0 d	NA	NA	Wed 4/30/25	Tue 5/6/25	Wed 6/25/25	Tue 7/1/25	144,416,365,406,407,409,411,461	Pivetta - Earthwork				
431	FRPCS - Sidewalk and Driveway Approaches	8 d	38 d	0 d	NA	NA	Fri 5/9/25	Tue 5/20/25	Mon 7/7/25	Wed 7/16/25	430SS+2 d,427	WCCI				
432	Grade/Form/Pour - Curb Ramps/Install DWS - S. 3rd St. - Sta 12+12.51 to 201+45.07	2 d	43 d	5 d	NA	NA	Wed 5/21/25	Thu 5/22/25	Thu 7/24/25	Fri 7/25/25	431	WCCI				
433	Grade/Form/Pour - Curb Ramps/Install DWS - S. 3rd St. - Sta 200+78.57 to 14+00.41	2 d	43 d	5 d	NA	NA	Wed 5/21/25	Thu 5/22/25	Thu 7/24/25	Fri 7/25/25	431	WCCI				
434	Grade/Form/Pour - Curb Ramps/Install DWS - S. 2nd St. - Sta 18+48.51 to 19+08.79	2 d	43 d	5 d	NA	NA	Wed 5/21/25	Thu 5/22/25	Thu 7/24/25	Fri 7/25/25	431	WCCI				
435	<b>Sidewalk - S. 2nd St. to S. Tobin St. - Sta 19+57.82 to 28+61.93</b>	<b>17 d</b>	<b>38 d</b>	<b>38 d</b>	<b>NA</b>	<b>NA</b>	<b>Wed 5/7/25</b>	<b>Fri 5/30/25</b>	<b>Wed 7/2/25</b>	<b>Tue 9/16/25</b>						
436	Grade/Prep Base/Place CSBC - Sidewalk and Driveway Approaches	5 d	38 d	0 d	NA	NA	Wed 5/7/25	Tue 5/13/25	Wed 7/2/25	Wed 7/9/25	430	Pivetta - Earthwork				
437	FRPCS - Sidewalk and Driveway Approaches	5 d	38 d	0 d	NA	NA	Wed 5/21/25	Wed 5/28/25	Thu 7/17/25	Wed 7/23/25	436,431,442	WCCI				
438	Grade/Form/Pour - Curb Ramps/Install DWS - S. 2nd St. - Sta 19+55.68 to 20+08.13	2 d	38 d	0 d	NA	NA	Thu 5/29/25	Fri 5/30/25	Thu 7/24/25	Fri 7/25/25	437	WCCI				
439	Grade/Form/Pour - Curb Ramps/Install DWS - Midblock Crosswalk - Sta 25+40.51 to 25+47.25	2 d	38 d	0 d	NA	NA	Thu 5/29/25	Fri 5/30/25	Thu 7/24/25	Fri 7/25/25	437	WCCI				
440	Grade/Form/Pour - Curb Ramps/Install DWS - S. Tobin St. - Sta 27+93.39 to 500+74.79	2 d	38 d	0 d	NA	NA	Thu 5/29/25	Fri 5/30/25	Thu 7/24/25	Fri 7/25/25	437	WCCI				
441	<b>Bus Shelter - Sta 24+59.90</b>	<b>6 d</b>	<b>38 d</b>	<b>38 d</b>	<b>NA</b>	<b>NA</b>	<b>Wed 5/14/25</b>	<b>Wed 5/21/25</b>	<b>Thu 7/10/25</b>	<b>Tue 9/16/25</b>						
442	FRPCS Bus Shelter Footings	5 d	38 d	0 d	NA	NA	Wed 5/14/25	Tue 5/20/25	Thu 7/10/25	Wed 7/16/25	436	WCCI				
443	Install Bus Shelter	1 d	80 d	77 d	NA	NA	Wed 5/21/25	Wed 5/21/25	Tue 9/16/25	Tue 9/16/25	442	Pivetta				
444	<b>Sidewalk - S. Tobin St. to Airport Way</b>	<b>5 d</b>	<b>39 d</b>	<b>39 d</b>	<b>NA</b>	<b>NA</b>	<b>Wed 5/14/25</b>	<b>Tue 5/20/25</b>	<b>Fri 7/11/25</b>	<b>Mon 7/21/25</b>						
445	Grade/Prep Base/Place CSBC - Sidewalk and Driveway Approaches	4 d	39 d	0 d	NA	NA	Wed 5/14/25	Mon 5/19/25	Fri 7/11/25	Wed 7/16/25	436	Pivetta - Earthwork				
446	FRPCS - Sidewalk and Driveway Approaches	4 d	41 d	2 d	NA	NA	Thu 5/15/25	Tue 5/20/25	Wed 7/16/25	Mon 7/21/25	445SS+1 d	WCCI				



## Force Account Impacts to JUT

Date	Schedule Activity	Crew Hours	Force Account Crew Hours	Working Day Impact
6/12/2023	JUT - Walgreens to Sansonsia	10	4	0.4
6/13/2023	JUT - Walgreens to Sansonsia	10	3	0.3
6/14/2023	JUT - Walgreens to Sansonsia	10	1.5	0.2
6/15/2023	JUT - Walgreens to Sansonsia	10	8	0.8
6/20/2023	JUT - Walgreens to Sansonsia	10	5	0.5
6/21/2023	JUT - Walgreens to Sansonsia	10	0	0.0
6/22/2023	JUT - Walgreens to Sansonsia	10	8	0.8
6/23/2023	JUT - Walgreens to Sansonsia	10	4	0.4
6/26/2023	JUT - Walgreens to Sansonsia	10	2.5	0.3
6/27/2023	JUT - Walgreens to Sansonsia	10	0.5	0.1
6/28/2023	JUT - Walgreens to Sansonsia	10	8.5	0.9
6/29/2023	JUT - Walgreens to Sansonsia	10	8	0.8
7/5/2023	JUT - Walgreens to Sansonsia	10	7.5	0.8
7/6/2023	JUT - Walgreens to Sansonsia	10	9	0.9
7/7/2023	JUT - Walgreens to Sansonsia	10	5	0.5
7/10/2023	JUT - Walgreens to Sansonsia	10	4	0.4
7/11/2023	JUT - Walgreens to Sansonsia	10	4.5	0.5
7/12/2023	JUT - Walgreens to Sansonsia	10	6.5	0.7
7/13/2023	JUT - Walgreens to Sansonsia	10	4.5	0.5
7/17/2023	JUT - Walgreens to Sansonsia	10	5.5	0.6
7/18/2023	JUT - Walgreens to Sansonsia	10	2	0.2
7/19/2023	JUT - Walgreens to Sansonsia	10	1.5	0.2
7/20/2023	JUT - Walgreens to Sansonsia	10	5	0.5
7/24/2023	JUT - Walgreens to Sansonsia	10	1	0.1
7/25/2023	JUT - Walgreens to Sansonsia	10	4	0.4
7/26/2023	JUT - Walgreens to Sansonsia	10	0	0.0
7/27/2023	JUT - Walgreens to Sansonsia	10	2	0.2
7/31/2023	JUT - Walgreens to Sansonsia	10	3	0.3
8/1/2023	JUT - Watson Security to Taco Time, 2nd S, Vacant Lot	10	1.5	0.2
8/2/2023	JUT - Watson Security to Taco Time, 2nd S, Vacant Lot	20	7.5	0.4
8/3/2023	JUT - Watson Security to Taco Time, 2nd S, Vacant Lot	20	9.5	0.5
8/7/2023	JUT - Watson Security to Taco Time, 2nd S, Vacant Lot	20	8	0.4
8/8/2023	JUT - Watson Security to Taco Time, 2nd S, Vacant Lot	10	3	0.3
8/9/2023	JUT - Watson Security to Taco Time, 2nd S, Vacant Lot	20	9	0.5
8/10/2023	JUT - Watson Security to Taco Time, 2nd S, Vacant Lot	20	13	0.7
8/14/2023	JUT - Watson Security to Taco Time, 2nd S, Vacant Lot	20	13.5	0.7
8/15/2023	JUT - Watson Security to Taco Time, 2nd S, Vacant Lot	20	9	0.5
8/16/2023	JUT - Watson Security to Taco Time, 2nd S, Vacant Lot	20	8.5	0.4
8/17/2023	JUT - Watson Security to Taco Time, 2nd S, Vacant Lot	20	0	0.0
8/21/2023	JUT - Watson Security to Taco Time, 2nd S, Vacant Lot	20	12	0.6
8/22/2023	JUT - Watson Security to Taco Time, 2nd S, Vacant Lot	20	6	0.3
8/23/2023	JUT - Watson Security to Taco Time, 2nd S, Vacant Lot	20	1	0.1
8/24/2023	JUT - Watson Security to Taco Time, 2nd S, Vacant Lot	20		0.0
8/28/2023	JUT - Watson Security to Taco Time, 2nd S, Vacant Lot	20	5.5	0.3
8/29/2023	JUT - Watson Security to Taco Time, 2nd S, Vacant Lot	20	1	0.1
8/30/2023	JUT - Vacant to Formula 1 Fast Lube	20	4	0.2
8/31/2023	JUT - Vacant to Formula 1 Fast Lube	20	3	0.2
9/1/2023	JUT - Vacant to Formula 1 Fast Lube	20	6	0.3
9/4/2023	JUT - Vacant to Formula 1 Fast Lube	20		0.0
9/5/2023	JUT - Vacant to Formula 1 Fast Lube	30	2	0.1
9/6/2023	JUT - Vacant to Formula 1 Fast Lube	30		0.0
9/7/2023	JUT - Vacant to Formula 1 Fast Lube	10		0.0
9/8/2023	JUT - Vacant to Formula 1 Fast Lube	10	6.5	0.7
9/11/2023	JUT - Big Island Poke to Watson Security	20	4.5	0.2
9/12/2023	JUT - Big Island Poke to Watson Security	10	9	0.9
9/13/2023	JUT - Big Island Poke to Watson Security	20	13.5	0.7
9/14/2023	JUT - Big Island Poke to Watson Security	20	8.5	0.4
9/18/2023	JUT - Big Island Poke to Watson Security	20	13	0.7
9/19/2023	JUT - Big Island Poke to Watson Security	30	9	0.3
9/20/2023	JUT - Big Island Poke to Watson Security	30	12.5	0.4
9/21/2023	JUT - Big Island Poke to Watson Security	30	10	0.3
9/25/2023	JUT - Big Island Poke to Watson Security	20	12.5	0.6
9/26/2023	JUT - Big Island Poke to Watson Security	20	12.5	0.6
9/27/2023	JUT - Big Island Poke to Watson Security	Approved Unworkable Weather Day		0.0
9/28/2023	JUT - Big Island Poke to Watson Security	Contaminated Soils Testing	10	0.0
10/2/2023	JUT - Big Island Poke to Watson Security	Contaminated Soils Testing	1.5	0.0
10/3/2023	JUT - Big Island Poke to Watson Security	Contaminated Soils Testing	4.5	0.0
10/4/2023	JUT - Big Island Poke to Watson Security	Contaminated Soils Testing	5	0.0
10/5/2023	JUT - Big Island Poke to Watson Security	Contaminated Soils Testing	6.5	0.0



## PCO-024 Total Cost Impacts

Item	QTY	Unit Price	Total
<b>Credit/Removal of Original Bid Items</b>			
BI D8 Structure Excavation Class B Incl. Haul for JUT	-4,110 CY	\$73.20	-\$300,852.00
BI 9-D8 Structure Excavation Class B Incl. Haul for JUT	-80 CY	\$73.20	-\$5,856.00
BI D9 Shoring or Extra Excavation for JUT	-1 LS	\$133,560.00	-\$133,560.00
BI 9-D57 Shoring or Extra Excavation Class for JUT Revisions at Victoria	-1 LS	\$1,815.78	-\$1,815.78
<b>Cost Impacts Incurred up to January 20, 2024</b>			
Current Labor and Equipment Costs for BI D8 Struct Ex Class B for JUT	5,928 CY	\$151.34	\$903,828.80
BI D8 Excess Material - Trucking & Disposal Costs	2,890 CY	\$43.12	\$124,587.45
Current Costs for BI D9 Shoring or Extra Excavation for JUT	7 MO	\$89,635.71	\$627,450.00
Structure Excavation Class B for JUT Vaults Impacted	500 CY	\$151.34	\$75,672.48
Impacts to D6 Gravel Borrow for JUT - Disposal Costs	1,875 CY	\$43.12	\$80,822.10
Extended Overhead - Indirect Costs	39.5 DY	\$4,416.77	\$174,462.42
Extended Overhead - Direct Costs	91 DY	\$8,193.84	\$745,639.44
<b>Forecasted Cost Impacts to Complete the JUT</b>			
Forecasted Costs for BI D8 Struct Ex Class B for JUT	1,513 CY	\$151.34	\$228,984.92
BI D8 Excess Material - Trucking & Disposal Costs	738 CY	\$43.12	\$31,798.38
Forecasted Costs for BI D9 Shoring or Extra Excavation for JUT	3 MO	\$99,635.71	\$298,907.14
Forecasted Impacts to D6 Gravel Borrow for JUT - Disposal Costs	775 CY	\$43.12	\$33,438.84
Extended Overhead - Indirect Costs	25 DY	\$4,416.77	\$110,419.25
Extended Overhead - Direct Costs	25 DY	\$8,193.84	\$204,846.00
<b>Additional Quantities and Bid Items Required to Complete the JUT</b>			
Additional QTY for D6 Gravel Borrow for JUT	2,045 CY	\$34.60	\$70,752.68
Additional QTY for D13 Sand Bedding	451 TN	\$44.75	\$20,199.68
Dewatering for JUT	1 EST	\$400,000.00	\$400,000.00
Disposal of Petroluem Tainted Mat'ls Incl. Haul	750 TN	\$63.46	\$47,595.00
<b>Total Estimated Cost Impacts</b>			<b>\$3,737,320.79</b>



<b>Job #</b>	2022-148	<b>Project Name</b>	Rainier Ave. S - Phase 4	<b>Station</b>	
<b>Date:</b>	1/24/2023	<b>Bid Item</b>		<b>Customer</b>	
<b>E.W.O #</b>	PCO-024	<b>Phase</b>		<b>Weather</b>	

**Description**

Labor and Equipment Costs for Bid Item D8 Structure Excavation Class B Incl. Haul for JUT from Jun 15, 2023 to January 20, 2024

**Labor**

Name: First, Last	Class	Hours	O/T Hours	Rate	O/T Rate	Extended
	Foreman 30-50			\$ 95.35	\$ 124.04	\$ 15,597.38
	Foreman 15-30	996.25	172.75	\$ 94.96	\$ 122.88	\$ 97,458.12
	Operator 30-50	80.5	3			
	Operator 15-30	2062	53.25	\$ 90.96	\$ 116.91	\$ 194,954.28
	Grader/Pipelayer - Le	33	0	\$ 70.10	\$ -	\$ -
	Grade Checker	381.5	10.25	\$ 86.31	\$ 110.28	\$ -
	Laborer	890.25	34	\$ 66.61	\$ 87.38	\$ 60,793.78
	Op App - 95	127	7.5	\$ 86.41	\$ 111.06	\$ 12,023.34
	Op App - 90	157.75	1	\$ 81.86	\$ 105.22	\$ 13,872.94
	Op App	221	1	\$ 63.67	\$ 81.84	\$ 14,733.19
	Laborer App - 85	125.5	9.5	\$ 56.62	\$ 74.27	\$ 2,947.66
	Laboer App	69.5	6	\$ 53.29	\$ 69.90	\$ 4,336.09
				\$ -	\$ -	\$ -

**Equipment**

Description	Year	Hours	Stby Hours	Rate	Stby Rate	Extended
P-XXX FOREMAN TRUCK				\$ 32.78	\$ -	\$ -
P-187 FOREMAN TRUCK		137.5		\$ 32.78	\$ -	\$ 15,201.73
P-179 FOREMAN TRUCK		40		\$ 32.78	\$ -	\$ 15,201.73
P-174 FOREMAN TRUCK		496.25		\$ 32.78	\$ -	\$ 15,201.73
P-168 FOREMAN TRUCK		51		\$ 32.78	\$ -	\$ 15,201.73
P-156: Foreman Truck		39		\$ 32.78	\$ -	\$ 4,228.62
P-147:2012 F450 Truck		199.5		\$ 32.78	\$ -	\$ 4,228.62
WL-112:JD 624K Wheel Loader		159		\$ 89.64	\$ -	\$ 11,944.53
WL-121:Volvo L70H Loader		444.75		\$ 89.38	\$ -	\$ 36,534.08
EX-121:JD 35D Mini Excavator		80		\$ 46.37	\$ -	\$ 3,709.60
35HB-101: Breaker		80		\$ 9.35	\$ -	\$ -
EX-135:Hitachi ZX-245 Excavator		298		\$ 154.34	\$ -	\$ 42,867.94
EX-139:JD 85G Compact Excavator		321.25		\$ 108.90	\$ -	\$ 31,227.08
75HB-101: Breaker		321.25		\$ 21.13	\$ -	\$ -
EX-138: JD 85G Compact Excavator		38.5		\$ 108.90		
EX-142:Hitachi 135N Excavator		364.5		\$ 122.55	\$ -	\$ 41,023.61
135HB-101: Breaker		364.5		\$ 29.61		\$ -
EX-155: 2022 John Deere 245G		583		\$ 145.85	\$ -	\$ 38,279.74
T-133:International Dump Truck		583		\$ 72.26	\$ -	\$ 38,279.74
T-156:1987 International F74		204.0		\$ 72.26	\$ -	\$ 14,105.15
ORT-103:Terex On site dumper		55.75		\$ 39.25	\$ -	\$ 2,188.19
LT-102:Light Tower		162.25		\$ 19.12	\$ -	\$ 3,369.90

**Materials**

Invoice #	Date	Supplier	Material Type	QTY	Amount

**Subcontractors**

Name:	Date	Type	Work Description	QTY	Amount

**Information Required**

	Contact Agency Inspection Authority
1	Name
2	Notified
3	Time
4	Method
5	

**Cost Breakdown**

	Sub Total	x M/U =	Total
Labor	\$416,716.78	19.5%	\$497,976.55
Labor - ST&S	5,442.50	\$1.50	\$8,163.75
Equipment	\$332,793.72	17.5%	\$391,032.62
Materials	\$0.00	17.5%	\$0.00
Subcontractor	\$0.00	12%/10%/7%	\$0.00

Calculated Total: \$897,172.92  
 QTY to Date: 5,928 CY  
 Unit Cost to Date: \$151.34 /CY



### BI D9 Shoring Costs Summary

Date	Invoice #	Quantity	Description	Contract #	Date Out	Bill From	Bill To	Total	Billing Type
5/4/2023	370116	4	Steel Plate 8x20x1 (Non-skid)	140109/346269	4/18/2023	4/18/2023	5/15/2023	\$1,940.12	Cycle
5/4/2023	370116	2	Quick Pick	140109/346269	4/18/2023	4/18/2023	5/15/2023	\$488.34	Cycle
5/4/2023	370116	7	2FT Vertical Shore With 52-88in Hydraulic Cylinder	140109/346269	4/18/2023	4/18/2023	5/15/2023	\$1,140.58	Cycle
5/4/2023	370116	200	Plate Spike	140109/346269	4/18/2023	4/18/2023	4/18/2023	\$800.00	Purchase
5/5/2023	370264	10	Steel Plate 8x10x1 (Non-skid)	140249/346727	4/19/2023	4/19/2023	5/16/2023	\$2,781.00	Cycle
5/5/2023	370264	1	6Hx20Lx4in Thick Steel Double Wall Trench Sheild With Flat Bottom	140249/346727	4/19/2023	4/19/2023	5/16/2023	\$1,770.19	Cycle
5/5/2023	370264	2	2FT Vertical Shore With 52-88in Hydraulic Cylinder	140249/346790	4/19/2023	4/19/2023	5/16/2023	\$325.88	Cycle
5/10/2023	370643	1	Steel Plate 8x20x1 (Non-skid)	140533/347497	4/24/2023	4/24/2023	5/21/2023	\$485.03	Cycle
5/10/2023	370643	4	Steel Plate 8x15x1 (Non-skid)	140533/347497	4/24/2023	4/24/2023	5/21/2023	\$1,479.92	Cycle
5/10/2023	370643	6	Steel Plate 8x15x1 (Non-skid)	140533/347501	4/24/2023	4/24/2023	5/21/2023	\$2,219.88	Cycle
5/12/2023	370860	100	1.5 Vertical Rail 28-46 HB SR	2022.148	5/12/2023	5/12/2023	5/12/2023	\$33,780.00	Purchase
5/12/2023	370860	4	4x8 Finform (pallet of 21 EA)	2022.148	5/12/2023	5/12/2023	5/12/2023	\$14,132.16	Purchase
5/13/2023	371047	20	2FT Vertical Shore With 28-46in Hydraulic Cylinder	140785/348421	4/27/2023	4/27/2023	5/24/2023	\$2,560.40	Purchase
5/19/2023	371681	7	Steel Plate 8x20x1 (Non-skid)	141032/349457	5/3/2023	5/3/2023	5/30/2023	\$1,673.77	Cycle
5/19/2023	371681	6	Steel Plate 8x20x1 (Non-skid)	141032/349507	5/3/2023	5/3/2023	5/30/2023	\$1,434.66	Cycle
5/19/2023	371681	7	Steel Plate 8x20x1 (Non-skid)	141124/349547	5/3/2023	5/3/2023	5/30/2023	\$1,673.77	Cycle
5/31/2023	372984	1	Steel Plate 8x20x1 (Non-skid)	140109/346269	4/18/2023	5/16/2023	5/30/2023	\$377.24	Return
5/31/2023	372986	1	Steel Plate 8x20x1 (Non-skid)	140533/347497	4/24/2023	5/22/2023	5/30/2023	\$269.46	Return
5/31/2023	372986	2	Steel Plate 8x15x1 (Non-skid)	140533/347501	4/24/2023	5/22/2023	5/30/2023	\$410.76	Return
6/1/2023	373050	3	Steel Plate 8x20x1 (Non-skid)	140109/346269	4/18/2023	5/16/2023	6/12/2023	\$1,455.08	Cycle/Return
6/1/2023	373050	4	2FT Vertical Shore With 52-88in Hydraulic Cylinder	140109/346269	4/18/2023	5/16/2023	5/31/2023	\$579.33	Cycle/Return
6/1/2023	373050	3	2FT Vertical Shore With 52-88in Hydraulic Cylinder	140109/346269	4/18/2023	5/16/2023	6/12/2023	\$488.81	Cycle/Return
6/2/2023	373175	10	Steel Plate 8x10x1 (Non-skid)	140249/346727	4/19/2023	5/17/2023	6/13/2023	\$2,781.00	Cycle/Return
6/2/2023	373175	1	6Hx20Lx4in Thick Steel Double Wall Trench Sheild With Flat Bottom	140249/346727	4/19/2023	5/17/2023	6/13/2023	\$1,770.19	Cycle/Return
6/2/2023	373175	2	2FT Vertical Shore With 52-88in Hydraulic Cylinder	140249/346790	4/19/2023	5/17/2023	6/13/2023	\$325.87	Cycle/Return
6/2/2023	373175	3	Steel Plate 8x15x1 (Non-skid)	140533/347497	4/24/2023	5/22/2023	5/31/2023	\$739.37	Cycle/Return
6/2/2023	373175	2	Steel Plate 8x15x1 (Non-skid)	140533/347501	4/24/2023	5/22/2023	5/31/2023	\$492.91	Cycle/Return
6/2/2023	373175	18	2FT Vertical Shore With 28-46in Hydraulic Cylinder	140785/348421	4/27/2023	5/25/2023	5/31/2023	\$768.10	Cycle/Return
6/5/2023	373389	300	Plate Spike	141282/350284	5/8/2023	5/8/2023	5/8/2023	\$1,200.00	Purchase
6/5/2023	373389	100	Plate Spike	141427/350623	5/9/2023	5/9/2023	5/9/2023	\$400.00	Purchase
6/7/2023	373615	1	Steel Plate 8x15x1 (Non-skid)	140533/347497	4/24/2023	5/22/2023	6/18/2023	\$369.68	Cycle
6/7/2023	373615	2	Steel Plate 8x15x1 (Non-skid)	140533/347501	4/24/2023	5/22/2023	6/18/2023	\$739.37	Cycle
6/7/2023	373615	1	8H x 12W x 4in Thick Steel Double Wall Manhole Box w/2ft Wing Walls	142210/353265	5/22/2023	5/22/2023	6/18/2023	\$1,830.89	Cycle
6/10/2023	373997	2	2FT Vertical Shore With 28-46in Hydraulic Cylinder	140785/348421	4/27/2023	5/25/2023	6/18/2023	\$256.03	Cycle
6/13/2023	375791	3	Steel Plate 8x20x1 (Non-skid)	140109/346269	4/18/2023	6/13/2023	7/10/2023	\$1,455.08	Cycle
6/13/2023	375791	3	2FT Vertical Shore With 52-88in Hydraulic Cylinder	140109/346269	4/18/2023	6/13/2023	7/10/2023	\$488.81	Cycle
6/16/2023	374595	6	Steel Plate 8x20x1 (Non-skid)	141032/349457	5/3/2023	5/31/2023	6/27/2023	\$1,434.67	Cycle
6/16/2023	374595	6	Steel Plate 8x20x1 (Non-skid)	141032/349507	5/3/2023	5/31/2023	6/27/2023	\$1,434.67	Cycle
6/16/2023	374595	7	Steel Plate 8x20x1 (Non-skid)	141124/349547	5/3/2023	5/31/2023	6/27/2023	\$1,673.78	Cycle
6/22/2023	375187	2	2FT Vertical Shore With 52-88in Hydraulic Cylinder	140249/346790	4/19/2023	6/14/2023	6/21/2023	\$144.83	Return
6/30/2023	376036	10	Steel Plate 8x10x1 (Non-skid)	140249/346727	4/19/2023	6/14/2023	7/11/2023	\$2,781.00	Cycle
6/30/2023	376036	1	6Hx20Lx4in Thick Steel Double Wall Trench Sheild With Flat Bottom	140249/346727	4/19/2023	6/14/2023	7/11/2023	\$1,770.19	Cycle
6/30/2023	376036	2	48in Verticle Shore Release Tool	143383/357385	6/13/2023	6/14/2023	7/11/2023	\$148.50	Cycle
6/30/2023	376036	2	48in Verticle Shore Removal Hook	143383/357385	6/13/2023	6/14/2023	7/11/2023	\$148.50	Cycle
6/30/2023	376036	7	Steel Plate 6 x 10 x 1	143383/357385	6/13/2023	6/14/2023	7/11/2023	\$1,234.30	Cycle
6/30/2023	376036	6	Steel Plate 8 x 10 x 1	143383/357385	6/13/2023	6/14/2023	7/11/2023	\$931.18	Cycle
6/30/2023	376036	1	Steel Plate 6 x 10 x 1	143383/357385	6/13/2023	6/14/2023	7/11/2023	\$176.33	Cycle
6/30/2023	376036	10	Steel Plate 8 x 10 x 1	143383/357526	6/14/2023	6/14/2023	7/11/2023	\$1,551.96	Cycle
7/5/2023	376350	1	Steel Plate 8x15x1 (Non-skid)	140533/347497	4/24/2023	6/19/2022	7/16/2023	\$369.68	Cycle
7/5/2023	376350	2	Steel Plate 8x15x1 (Non-skid)	140533/347501	4/24/2023	6/19/2022	7/16/2023	\$739.37	Cycle
7/5/2023	376350	1	8H x 12W x 4in Thick Steel Double Wall Manhole Box w/2ft Wing Walls	142210/353265	5/22/2023	6/19/2022	7/16/2023	\$1,830.89	Cycle
7/6/2023	376501	1	5 Gallon Hydraulic Hand Pump	143841/358890	6/21/2023	6/21/2023	7/5/2023	\$209.16	Return
7/6/2023	376501	6	2FT Vertical Shore With 34-55in Hydraulic Cylinder	143841/358890	6/21/2023	6/21/2023	7/5/2023	\$635.04	Return
7/6/2023	376501	1	Hydraulic Shoring Fluid	143841/358890	6/21/2023	6/21/2023	6/21/2023	\$25.00	Purchase
7/6/2023	376501	20	2FT Vertical Shore With 34-55in Hydraulic Cylinder	144052/359641	6/26/2023	6/26/2023	7/5/2023	\$1,814.40	Return
7/6/2023	376501	23	2FT Vertical Shore With 34-55in Hydraulic Cylinder	144192/360020	6/27/2023	6/27/2023	7/5/2023	\$1,663.20	Return
7/7/2023	376553	4	2FT Vertical Shore With 52-88in Hydraulic Cylinder	143841/358890	6/21/2023	6/21/2023	7/18/2023	\$651.74	Cycle
7/8/2023	376675	1	2FT Vertical Shore With 28-46in Hydraulic Cylinder	140785/348421	4/27/2023	6/22/2023	7/19/2023	\$128.02	Cycle
7/13/2023	377030	6	2FT Vertical Shore With 34-55in Hydraulic Cylinder	144192/360020	6/27/2023	6/27/2023	7/24/2023	\$816.48	Cycle
7/14/2023	377128	6	Steel Plate 8x20x1 (Non-skid)	141032/349457	5/3/2023	6/28/2023	7/25/2023	\$1,434.67	Cycle/Return
7/14/2023	377128	6	Steel Plate 8x20x1 (Non-skid)	141032/349507	5/3/2023	6/28/2023	7/25/2023	\$1,434.67	Cycle/Return
7/14/2023	377128	7	Steel Plate 8x20x1 (Non-skid)	141124/349547	5/3/2023	6/28/2023	7/25/2023	\$1,673.78	Cycle/Return
7/14/2023	377128	33	2FT Vertical Shore With 34-55in Hydraulic Cylinder	144227/360208	5/3/2023	6/28/2023	7/12/2023	\$3,492.72	Cycle/Return
7/14/2023	377128	17	2FT Vertical Shore With 34-55in Hydraulic Cylinder	144227/360208	5/3/2023	6/28/2023	7/25/2023	\$2,313.36	Cycle/Return
7/21/2023	377706	60	2FT Vertical Shore With 34-55in Hydraulic Cylinder	144432/361057	7/5/2023	7/5/2023	8/1/2023	\$9,776.16	Cycle
7/21/2023	377706	1	5 Gallon Hydraulic Hand Pump	144460/361092	7/5/2023	7/5/2023	8/1/2023	\$268.92	Cycle
7/26/2023	378142	8	Steel Plate 8 x 10 x 1	144689/361869	7/10/2023	7/10/2023	8/6/2023	\$1,241.57	Cycle
7/27/2023	378288	3	Steel Plate 8x20x1 (Non-skid)	140109/346269	4/18/2023	7/11/2023	8/7/2023	\$1,455.08	Cycle
7/27/2023	378288	3	2FT Vertical Shore With 52-88in Hydraulic Cylinder	140109/346269	4/18/2023	7/11/2023	8/7/2023	\$488.81	Cycle
7/28/2023	378447	10	Steel Plate 8x10x1 (Non-skid)	140249/346727	4/19/2023	7/12/2023	8/8/2023	\$2,781.00	Cycle
7/28/2023	378447	1	6Hx20Lx4in Thick Steel Double Wall Trench Sheild With Flat Bottom	140249/346727	4/19/2023	7/12/2023	8/8/2023	\$1,770.19	Cycle
7/28/2023	378447	2	48in Verticle Shore Release Tool	143383/357385	6/13/2023	7/12/2023	8/8/2023	\$148.50	Cycle
7/28/2023	378447	2	48in Verticle Shore Removal Hook	143383/357385	6/13/2023	7/12/2023	8/8/2023	\$148.50	Cycle
7/28/2023	378447	7	Steel Plate 6 x 10 x 1	143383/357385	6/13/2023	7/12/2023	8/8/2023	\$1,234.30	Cycle
7/28/2023	378447	6	Steel Plate 8 x 10 x 1	143383/357385	6/13/2023	7/12/2023	8/8/2023	\$931.18	Cycle
7/28/2023	378447	1	Steel Plate 6 x 10 x 1	143383/357385	6/13/2023	7/12/2023	8/8/2023	\$176.33	Cycle
7/28/2023	378447	10	Steel Plate 8 x 10 x 1	143383/357526	6/14/2023	7/12/2023	8/8/2023	\$1,551.96	Cycle
7/29/2023	378558	1	5 Gallon Hydraulic Hand Pump	144891/362645	7/13/2023	7/13/2023	8/9/2023	\$268.92	Cycle
7/29/2023	378558	5	2FT Vertical Shore With 52-88in Hydraulic Cylinder	144891/362645	7/13/2023	7/13/2023	8/9/2023	\$814.68	Cycle
8/1/2023	378890	7	Steel Plate 8x20x1 (Non-skid)	144622/361606	7/7/2023	7/10/2023	8/6/2023	\$3,395.20	Cycle
8/1/2023	378890	5	Steel Plate 8x20x1 (Non-skid)	144622/361636	7/7/2023	7/10/2023	8/6/2023	\$2,425.14	Cycle
8/1/2023	378890	2	Steel Plate 8x10x1 (Non-skid)	144622/361636	7/7/2023	7/10/2023	8/6/2023	\$310.40	Cycle
8/1/2023	378890	6	Steel Plate 8x10x1 (Non-skid)	144622/361753	7/10/2023	7/10/2023	8/6/2023	\$931.20	Cycle
8/2/2023	379039	1	Steel Plate 8x15x1 (Non-skid)	140533/347497	4/24/2023	7/17/2023	8/13/2023	\$369.68	Cycle
8/2/2023	379039	2	Steel Plate 8x15x1 (Non-skid)	140533/347501	4/24/2023	7/17/2023	8/13/2023	\$739.37	Cycle

### BI D9 Shoring Costs Summary

Date	Invoice #	Quantity	Description	Contract #	Date Out	Bill From	Bill To	Total	Billing Type
8/2/2023	379039	1	8H x 12W x 4in Thick Steel Double Wall Manhole Box w/2ft Wing Walls	142210/353265	5/22/2023	7/17/2023	8/13/2023	\$1,830.89	Cycle
8/2/2023	379039	1	12L x 4 Tall Build-A-Box Sheild with 48-72in Static Struts	145063/363246	7/17/2023	7/17/2023	8/13/2023	\$1,886.40	Cycle
8/4/2023	379298	2	48in Verticle Shore Release Tool	143383/357385	6/13/2023	6/13/2023	6/13/2023	\$150.00	Purchase
8/4/2023	379298	2	48in Verticle Shore Removal Hook	143383/357385	6/13/2023	6/13/2023	6/13/2023	\$150.00	Purchase
8/4/2023	379298	1	5 Gallon Hydraulic Hand Pump	144460/361092	7/5/2023	8/2/2023	8/3/2023	\$59.76	Cycle/Return
8/4/2023	379298	4	2FT Vertical Shore With 144-180in Hydraulic Cylinder	145296/364037	7/19/2023	7/19/2023	8/15/2023	\$1,064.45	Cycle/Return
8/4/2023	379298	4	2FT Vertical Shore With 108-144in Hydraulic Cylinder	145296/364037	7/19/2023	7/19/2023	8/15/2023	\$965.66	Cycle/Return
8/4/2023	379343	1	5 Gallon Hydraulic Hand Pump	146174/367089	8/3/2023	8/3/2023	8/3/2023	\$1.00	Return
8/4/2023	379343	1	5 Gallon Hydraulic Hand Pump	146174/367089	8/3/2023	8/3/2023	8/3/2023	\$1.00	Return
8/4/2023	379343	1	5 Gallon Hydraulic Hand Pump	146174/367089	8/3/2023	8/3/2023	8/3/2023	\$1,100.00	Purchase
8/4/2023	379343	1	5 Gallon Hydraulic Hand Pump	146174/367089	8/3/2023	8/3/2023	8/3/2023	\$1,100.00	Purchase
8/5/2023	379435	1	2FT Vertical Shore With 28-46in Hydraulic Cylinder	140785/348421	4/27/2023	7/20/2023	8/16/2023	\$128.02	Cycle
8/14/2023	380149	6	Steel Plate 8x20x1 (Non-skid)	141032/349457	5/3/2023	7/26/2023	8/22/2023	\$1,434.67	Cycle
8/14/2023	380149	6	Steel Plate 8x20x1 (Non-skid)	141032/349507	5/3/2023	7/26/2023	8/22/2023	\$1,434.67	Cycle
8/14/2023	380149	7	Steel Plate 8x20x1 (Non-skid)	141124/349547	5/3/2023	7/26/2023	8/22/2023	\$1,673.78	Cycle
8/14/2023	380149	6	2FT Vertical Shore With 34-55in Hydraulic Cylinder	144192/360020	6/27/2023	7/25/2023	8/21/2023	\$816.48	Cycle
8/14/2023	380149	17	2FT Vertical Shore With 34-55in Hydraulic Cylinder	144227/360208	6/28/2023	7/26/2023	8/22/2023	\$2,313.36	Cycle
8/14/2023	380141	7	Steel Plate 8x20x1 (Non-skid)	144622/361606	7/7/2023	8/7/2023	7/9/2023	-\$3,395.20	Credit
8/14/2023	380141	4	Steel Plate 8x20x1 (Non-skid)	144622/361636	7/7/2023	8/7/2023	7/9/2023	-\$2,425.14	Credit
8/14/2023	380149	44	Aluminum Sheet For Build-A-Box Panel With Guide Frame	145267/364719	7/24/2023	7/24/2023	8/20/2023	\$1,805.76	Cycle
8/14/2023	380149	1	10L x 4 Tall Build-A-Box Sheild with 36-60in Static Struts	145267/364719	7/24/2023	7/24/2023	8/20/2023	\$1,715.18	Cycle
8/14/2023	380149	1	6L x 4 Tall Build-A-Box Sheild with 48-72in Static Struts	145267/364719	7/24/2023	7/24/2023	8/20/2023	\$1,581.19	Cycle
8/14/2023	380149	1	6L x 4 Tall Build-A-Box Sheild with 48-72in Static Struts	145267/364719	7/24/2023	7/24/2023	8/20/2023	\$1,581.19	Cycle
8/14/2023	380149	92	Aluminum Sheet For Build-A-Box Panel With Guide Frame	145419/365362	7/26/2023	7/26/2023	8/22/2023	\$3,775.68	Cycle
8/14/2023	380149	1	6L x 4 Tall Build-A-Box Sheild with 36-60in Static Struts	145419/365362	7/26/2023	7/26/2023	8/22/2023	\$1,581.19	Cycle
8/14/2023	380149	1	8L x 4 Tall Build-A-Box Sheild with 48-72in Static Struts	145419/365362	7/26/2023	7/26/2023	8/22/2023	\$1,567.80	Cycle
8/14/2023	380149	1	8L x 4 Tall Build-A-Box Sheild with 48-72in Static Struts	145419/365362	7/26/2023	7/26/2023	8/22/2023	\$1,567.80	Cycle
8/14/2023	380149	1	8L x 4 Tall Build-A-Box Sheild with 48-72in Static Struts	145419/365362	7/26/2023	7/26/2023	8/22/2023	\$1,567.80	Cycle
8/14/2023	380149	1	8L x 4 Tall Build-A-Box Sheild with 48-72in Static Struts	145419/365362	7/26/2023	7/26/2023	8/22/2023	\$1,567.80	Cycle
8/14/2023	380149	1	8L x 4 Tall Build-A-Box Sheild with 48-72in Static Struts	145419/365362	7/26/2023	7/26/2023	8/22/2023	\$1,567.80	Cycle
8/14/2023	380149	1	8L x 4 Tall Build-A-Box Sheild with 48-72in Static Struts	145419/365362	7/26/2023	7/26/2023	8/22/2023	\$1,567.80	Cycle
8/14/2023	380149	12	Steel Plate 8x20x1 (Non-skid)	146596/368677	8/11/2023	7/10/2023	8/6/2023	\$2,869.32	Cycle
8/16/2023	380312	24	72-108 Pin in Place Adjustable Static Strut for XLAP & Build-A-Box	145965/366443	7/31/2023	7/31/2023	8/27/2023	\$1,418.69	Cycle/Return
8/16/2023	380312	30	2FT Vertical Shore With 108-144in Hydraulic Cylinder	145965/366443	7/31/2023	7/31/2023	8/27/2023	\$6,406.56	Cycle/Return
8/16/2023	380312	41	2FT Vertical Shore With 108-144in Hydraulic Cylinder	145965/366443	8/7/2023	8/7/2023	8/10/2023	\$2,918.54	Cycle/Return
8/16/2023	380312	100	Plate Spike	146246/367533	8/7/2023	8/7/2023	8/7/2023	\$400.00	Purchase
8/18/2023	380557	60	2FT Vertical Shore With 52-88in Hydraulic Cylinder	144432/361057	7/5/2023	8/2/2023	8/29/2023	\$9,776.16	Cycle
8/21/2023	380751	1	Manbox Repair	142210/370063	8/18/2023	8/18/2023	8/18/2023	\$290.00	Fee Reapir
8/21/2023	380751	100	Plate Spike	145472/364718	7/24/2023	7/24/2023	7/24/2023	\$400.00	Purchase
8/21/2023	380751	2	Steel Plate 8x20x1 (Non-skid)	145931/366303	7/31/2023	7/31/2023	8/27/2023	\$478.22	Cycle
8/21/2023	380751	8	Steel Plate 8x20x1 (Non-skid)	145931/366303	7/31/2023	7/31/2023	8/27/2023	\$2,224.80	Cycle
8/21/2023	380751	7	Steel Plate 8x20x1 (Non-skid)	145931/366335	7/31/2023	7/31/2023	8/27/2023	\$1,673.77	Cycle
8/21/2023	380751	1	Steel Plate 8x20x1 (Non-skid)	145931/366361	7/31/2023	7/31/2023	8/27/2023	\$239.11	Cycle
8/23/2023	380942	8	Steel Plate 8 x 10 x 1	144689/361869	7/10/2023	8/7/2023	9/3/2023	\$1,241.57	Cycle
8/23/2023	380942	15	Steel Plate 8 x 10 x 1	146246/367533	8/7/2023	8/7/2023	9/3/2023	\$2,327.94	Cycle
8/23/2023	380942	5	Steel Plate 6 x 10 x 1	146246/367631	8/7/2023	8/7/2023	9/3/2023	\$881.64	Cycle
8/23/2023	380942	4	72-108 Pin in Place Adjustable Static Strut for XLAP & Build-A-Box	146246/367631	8/7/2023	8/7/2023	9/3/2023	\$236.45	Cycle
8/23/2023	380942	8	96-144 Pin in Place Adjustable Static Strut for XLAP & Build-A-Box	146246/367631	8/7/2023	8/7/2023	9/3/2023	\$696.38	Cycle
8/23/2023	380942	8	Steel Plate 8 x 10 x 1	146246/367631	8/7/2023	8/7/2023	9/3/2023	\$1,241.57	Cycle
8/23/2023	380942	58	2FT Vertical Shore With 76-112in Hydraulic Cylinder	146246/367631	8/7/2023	8/7/2023	9/3/2023	\$12,386.02	Cycle
8/23/2023	380942	11	2FT Vertical Shore With 94-130in Hydraulic Cylinder	146246/367631	8/7/2023	8/7/2023	9/3/2023	\$2,498.76	Cycle
8/24/2023	381052	3	Steel Plate 8x20x1 (Non-skid)	140109/346269	4/18/2023	8/8/2023	9/4/2023	\$1,455.08	Cycle
8/24/2023	381052	3	2FT Vertical Shore With 52-88in Hydraulic Cylinder	140109/346269	4/18/2023	8/8/2023	9/4/2023	\$488.81	Cycle
8/25/2023	381188	10	Steel Plate 8x10x1 (Non-skid)	140249/346727	4/19/2023	8/9/2023	9/5/2023	\$2,781.00	Cycle
8/25/2023	381188	1	6Hx20Lx4in Thick Steel Double Wall Trench Sheild With Flat Bottom	140249/346727	4/19/2023	8/9/2023	9/5/2023	\$1,770.19	Cycle
8/25/2023	381188	7	Steel Plate 6 x 10 x 1	143383/357385	6/13/2023	8/9/2023	9/5/2023	\$1,234.30	Cycle
8/25/2023	381188	6	Steel Plate 8 x 10 x 1	143383/357385	6/13/2023	8/9/2023	9/5/2023	\$931.18	Cycle
8/25/2023	381188	1	Steel Plate 6 x 10 x 1	143383/357385	6/13/2023	8/9/2023	9/5/2023	\$176.33	Cycle
8/25/2023	381188	10	Steel Plate 8 x 10 x 1	143383/357526	6/14/2023	8/9/2023	9/5/2023	\$1,551.96	Cycle
8/26/2023	381273	5	2FT Vertical Shore With 52-88in Hydraulic Cylinder	144891/362645	7/13/2023	8/10/2023	9/6/2023	\$814.68	Cycle
8/28/2023	381364	2	Steel Plate 8x10x1 (Non-skid)	144622/361636	7/7/2023	8/7/2023	9/3/2023	\$310.40	Cycle
8/28/2023	381364	6	Steel Plate 8x10x1 (Non-skid)	144622/361753	7/10/2023	8/7/2023	9/3/2023	\$931.20	Cycle
8/28/2023	381364	12	Steel Plate 8x20x1 (Non-skid)	146596/368677	8/11/2023	8/7/2023	9/3/2023	\$2,869.32	Cycle
8/30/2023	381565	1	Steel Plate 8x15x1 (Non-skid)	140533/347497	4/24/2023	8/14/2023	9/10/2023	\$369.68	Cycle
8/30/2023	381565	2	Steel Plate 8x15x1 (Non-skid)	140533/347501	4/24/2023	8/14/2023	9/10/2023	\$739.37	Cycle
8/30/2023	381565	1	12L x 4 Tall Build-A-Box Sheild with 48-72in Static Struts	145063/363246	7/17/2023	8/14/2023	9/10/2023	\$1,886.40	Cycle
9/1/2023	381910	4	2FT Vertical Shore With 144-180in Hydraulic Cylinder	145296/364037	7/19/2023	8/16/2023	9/12/2023	\$1,064.45	Cycle
9/1/2023	381910	4	2FT Vertical Shore With 108-144in Hydraulic Cylinder	145296/364037	7/19/2023	8/16/2023	9/12/2023	\$965.66	Cycle
9/2/2023	382037	1	2FT Vertical Shore With 28-46in Hydraulic Cylinder	140785/348421	4/27/2023	8/17/2023	9/13/2023	\$128.02	Cycle
9/6/2023	382256	44	Aluminum Sheet For Build-A-Box Panel With Guide Frame	145267/364719	7/24/2023	8/21/2023	9/17/2023	\$1,805.76	Cycle
9/6/2023	382256	1	10L x 4 Tall Build-A-Box Sheild with 36-60in Static Struts	145267/364719	7/24/2023	8/21/2023	9/17/2023	\$1,715.18	Cycle
9/6/2023	382256	1	6L x 4 Tall Build-A-Box Sheild with 48-72in Static Struts	145267/364719	7/24/2023	8/21/2023	9/17/2023	\$1,581.19	Cycle
9/6/2023	382256	1	6L x 4 Tall Build-A-Box Sheild with 48-72in Static Struts	145267/364719	7/24/2023	8/21/2023	9/17/2023	\$1,581.19	Cycle
9/7/2023	382381	6	2FT Vertical Shore With 34-55in Hydraulic Cylinder	144192/360020	6/27/2023	8/22/2023	9/18/2023	\$816.48	Cycle
9/8/2023	382503	6	Steel Plate 8x20x1 (Non-skid)	141032/349457	5/3/2023	8/23/2023	9/19/2023	\$1,434.67	Cycle
9/8/2023	382503	6	Steel Plate 8x20x1 (Non-skid)	141032/349507	5/3/2023	8/23/2023	9/19/2023	\$1,434.67	Cycle
9/8/2023	382503	7	Steel Plate 8x20x1 (Non-skid)	141124/349547	5/3/2023	8/23/2023	9/19/2023	\$1,673.78	Cycle
9/8/2023	382503	17	2FT Vertical Shore With 34-55in Hydraulic Cylinder	144227/360208	6/28/2023	8/23/2023	9/19/2023	\$2,313.36	Cycle
9/8/2023	382503	92	Aluminum Sheet For Build-A-Box Panel With Guide Frame	145419/365362	7/26/2023	8/23/2023	9/19/2023	\$3,775.68	Cycle
9/8/2023	382503	1	6L x 4 Tall Build-A-Box Sheild with 36-60in Static Struts	145419/365362	7/26/2023	8/23/2023	9/19/2023	\$1,581.19	Cycle
9/8/2023	382503	1	8L x 4 Tall Build-A-Box Sheild with 48-72in Static Struts	145419/365362	7/26/2023	8/23/2023	9/19/2023	\$1,567.80	Cycle
9/8/2023	382503	1	8L x 4 Tall Build-A-Box Sheild with 48-72in Static Struts	145419/365362	7/26/2023	8/23/2023	9/19/2023	\$1,567.80	Cycle
9/8/2023	382503	1	8L x 4 Tall Build-A-Box Sheild with 48-72in Static Struts	145419/365362	7/26/2023	8/23/2023	9/19/2023	\$1,567.80	Cycle
9/8/2023	382503	1	8L x 4 Tall Build-A-Box Sheild with 48-72in Static Struts	145419/365362	7/26/2023	8/23/2023	9/19/2023	\$1,567.80	Cycle
9/8/2023	382503	1	8L x 4 Tall Build-A-Box Sheild with 36-60in Static Struts	145419/365362	7/26/2023	8/23/2023	9/19/2023	\$1,567.80	Cycle

### BI D9 Shoring Costs Summary

Date	Invoice #	Quantity	Description	Contract #	Date Out	Bill From	Bill To	Total	Billing Type
9/11/2023	382703	200	Plate Spike	146769/369342	8/16/2023	8/16/2023	8/16/2023	\$800.00	Purchase
9/12/2023	382767	1	Steel Plate 8x20x1 (Non-skid)	141124/349547	5/3/2023	9/20/2023	9/7/2023	-\$26.57	Credit
9/21/2023	383568	1	Steel Plate 8x20x1 (Non-skid)	140109/346269	4/18/2023	9/5/2023	9/13/2023	\$269.46	Cycle/Return
9/21/2023	383568	2	Steel Plate 8x20x1 (Non-skid)	140109/346269	4/18/2023	9/5/2023	10/2/2023	\$970.06	Cycle/Return
9/21/2023	383568	3	2FT Vertical Shore With 52-88in Hydraulic Cylinder	140109/346269	4/18/2023	9/5/2023	9/7/2023	\$162.94	Cycle/Return
9/21/2023	383568	2	Steel Plate 8x10x1 (Non-skid)	140249/346727	4/19/2023	9/6/2023	9/7/2023	\$123.60	Cycle/Return
9/21/2023	383568	1	Steel Plate 8x10x1 (Non-skid)	140249/346727	4/19/2023	9/6/2023	9/7/2023	\$61.80	Cycle/Return
9/21/2023	383568	3	Steel Plate 8 x 10 x 1	143383/357385	6/13/2023	9/6/2023	9/7/2023	\$103.46	Cycle/Return
9/21/2023	383568	1	Steel Plate 8 x 10 x 1	143383/357385	6/13/2023	9/6/2023	9/7/2023	\$34.49	Cycle/Return
9/21/2023	383568	3	Steel Plate 8 x 10 x 1	143383/357526	6/14/2023	9/6/2023	9/7/2023	\$103.46	Cycle/Return
9/21/2023	383568	1	Steel Plate 8 x 10 x 1	143383/357526	6/14/2023	9/6/2023	9/7/2023	\$34.49	Cycle/Return
9/21/2023	383568	57	2FT Vertical Shore With 52-88in Hydraulic Cylinder	144432/361057	7/5/2023	8/30/2023	9/7/2023	\$5,159.64	Cycle/Return
9/21/2023	383568	37	2FT Vertical Shore With 52-88in Hydraulic Cylinder	144432/361057	7/5/2023	8/30/2023	9/26/2023	\$488.81	Cycle/Return
9/21/2023	383568	2	Steel Plate 8x10x1 (Non-skid)	144622/361753	7/10/2023	9/4/2023	9/7/2023	\$103.46	Cycle/Return
9/21/2023	383568	2	Steel Plate 8x10x1 (Non-skid)	144622/361753	7/10/2023	9/4/2023	9/7/2023	\$103.46	Cycle/Return
9/21/2023	383568	8	Steel Plate 8 x 10 x 1	144689/361869	7/10/2023	9/4/2023	10/1/2023	\$1,241.57	Cycle/Return
9/21/2023	383568	2	Steel Plate 8x20x1 (Non-skid)	145931/366303	7/31/2023	8/28/2023	9/24/2023	\$478.22	Cycle/Return
9/21/2023	383568	2	Steel Plate 8x10x1 (Non-skid)	145931/366303	7/31/2023	8/28/2023	9/7/2023	\$370.80	Cycle/Return
9/21/2023	383568	1	Steel Plate 8x10x1 (Non-skid)	145931/366303	7/31/2023	8/28/2023	9/7/2023	\$185.40	Cycle/Return
9/21/2023	383568	5	Steel Plate 8x10x1 (Non-skid)	145931/366303	7/31/2023	8/28/2023	9/24/2023	\$1,390.50	Cycle/Return
9/21/2023	383568	1	Steel Plate 8x20x1 (Non-skid)	145931/366335	7/31/2023	8/28/2023	9/7/2023	\$159.40	Cycle/Return
9/21/2023	383568	1	Steel Plate 8x20x1 (Non-skid)	145931/366335	7/31/2023	8/28/2023	9/13/2023	\$239.10	Cycle/Return
9/21/2023	383568	5	Steel Plate 8x20x1 (Non-skid)	145931/366335	7/31/2023	8/28/2023	9/24/2023	\$1,195.55	Cycle/Return
9/21/2023	383568	1	Steel Plate 8x10x1 (Non-skid)	145931/366361	7/31/2023	8/28/2023	9/7/2023	\$159.40	Cycle/Return
9/21/2023	383568	24	72-108 Pin in Place Adjustable Static Strut for XLAP & Build-A-Box	145965/366443	7/31/2023	8/28/2023	9/24/2023	\$1,418.69	Cycle/Return
9/21/2023	383568	30	2FT Vertical Shore With 76-112in Hydraulic Cylinder	145965/366443	7/31/2023	8/28/2023	9/24/2023	\$6,406.56	Cycle/Return
9/21/2023	383568	2	Steel Plate 8 x 10 x 1	146246/367533	8/7/2023	9/4/2023	9/7/2023	\$103.46	Cycle/Return
9/21/2023	383568	13	Steel Plate 8 x 10 x 1	146246/367533	8/7/2023	9/4/2023	10/1/2023	\$2,017.55	Cycle/Return
9/21/2023	383568	5	Steel Plate 6 x 10 x 1	146246/367631	8/7/2023	9/4/2023	10/1/2023	\$881.64	Cycle/Return
9/21/2023	383568	4	72-108 Pin in Place Adjustable Static Strut for XLAP & Build-A-Box	146246/367631	8/7/2023	9/4/2023	10/1/2023	\$236.45	Cycle/Return
9/21/2023	383568	8	96-144 Pin in Place Adjustable Static Strut for XLAP & Build-A-Box	146246/367631	8/7/2023	9/4/2023	10/1/2023	\$696.38	Cycle/Return
9/21/2023	383568	4	Steel Plate 8 x 10 x 1	146246/367631	8/7/2023	9/4/2023	9/7/2023	\$206.93	Cycle/Return
9/21/2023	383568	4	Steel Plate 8 x 10 x 1	146246/367631	8/7/2023	9/4/2023	10/1/2023	\$620.78	Cycle/Return
9/21/2023	383568	58	2FT Vertical Shore With 76-112in Hydraulic Cylinder	146246/367631	8/7/2023	9/4/2023	10/1/2023	\$12,386.02	Cycle/Return
9/21/2023	383568	3	2FT Vertical Shore With 94-130in Hydraulic Cylinder	146246/367631	8/7/2023	9/4/2023	9/7/2023	\$227.16	Cycle/Return
9/21/2023	383568	8	2FT Vertical Shore With 94-130in Hydraulic Cylinder	146246/367631	8/7/2023	9/4/2023	10/1/2023	\$1,817.28	Cycle/Return
9/21/2023	383568	1	Steel Plate 8x20x1 (Non-skid)	146596/368677	8/11/2023	9/4/2023	9/7/2023	\$79.70	Cycle/Return
9/21/2023	383568	2	Steel Plate 8x20x1 (Non-skid)	146596/368677	8/11/2023	9/4/2023	9/7/2023	\$159.40	Cycle/Return
9/21/2023	383568	2	Steel Plate 8x20x1 (Non-skid)	146596/368677	8/11/2023	9/4/2023	9/13/2023	\$318.80	Cycle/Return
9/22/2023	383726	7	Steel Plate 8x10x1 (Non-skid)	140249/346727	4/19/2023	9/6/2023	10/3/2023	\$1,946.70	Cycle
9/22/2023	383726	1	6Hx20Lx4in Thick Steel Double Wall Trench Shield With Flat Bottom	140249/346727	4/19/2023	9/6/2023	10/3/2023	\$1,770.19	Cycle
9/22/2023	383726	7	Steel Plate 6 x 10 x 1	143383/357385	6/13/2023	9/6/2023	10/3/2023	\$1,234.30	Cycle
9/22/2023	383726	1	Steel Plate 6 x 10 x 1	143383/357385	6/13/2023	9/6/2023	10/3/2023	\$176.33	Cycle
9/22/2023	383726	2	Steel Plate 8 x 10 x 1	143383/357385	6/13/2023	9/6/2023	10/3/2023	\$310.39	Cycle
9/22/2023	383726	6	Steel Plate 8 x 10 x 1	143383/357526	6/14/2023	9/6/2023	10/3/2023	\$931.18	Cycle
9/23/2023	383829	5	2FT Vertical Shore With 52-88in Hydraulic Cylinder	144891/362645	7/13/2023	9/7/2023	10/4/2023	\$814.68	Cycle
9/25/2023	383952	2	Steel Plate 8x10x1 (Non-skid)	144622/361636	7/7/2023	9/4/2023	10/1/2023	\$310.40	Cycle
9/25/2023	383952	2	Steel Plate 8x10x1 (Non-skid)	144622/361753	7/10/2023	9/4/2023	10/1/2023	\$310.40	Cycle
9/25/2023	383952	7	Steel Plate 8x20x1 (Non-skid)	146596/368677	8/11/2023	9/4/2023	10/1/2023	\$1,673.77	Cycle
9/26/2023	38397	42	FinForm 4x8ft	147644/372320	8/30/2023	8/30/2023	8/30/2023	\$7,350.00	Purchase
9/27/2023	384131	1	Steel Plate 8x15x1 (Non-skid)	140533/347497	4/24/2023	9/11/2023	10/8/2023	\$369.68	Cycle
9/27/2023	384131	2	Steel Plate 8x15x1 (Non-skid)	140533/347501	4/24/2023	9/11/2023	10/8/2023	\$739.37	Cycle
9/27/2023	384131	1	12L x 4 Tall Build-A-Box Sheild with 48-72in Static Struts	145063/363246	7/17/2023	9/11/2023	10/8/2023	\$1,886.40	Cycle
9/29/2023	384514	4	2FT Vertical Shore With 144-180in Hydraulic Cylinder	145296/364037	7/19/2023	9/13/2023	10/10/2023	\$1,064.45	Cycle
9/29/2023	384514	4	2FT Vertical Shore With 108-144in Hydraulic Cylinder	145296/364037	7/19/2023	9/13/2023	10/10/2023	\$965.66	Cycle
9/30/2023	384597	1	2FT Vertical Shore With 28-46in Hydraulic Cylinder	140785/348421	4/27/2023	9/14/2023	10/11/2023	\$128.02	Cycle
9/30/2023	384597	10	Steel Plate 6x10x1 (Non-skid)	148467/375166	9/14/2023	9/14/2023	10/11/2023	\$2,992.32	Cycle
9/30/2023	384597	4	2FT Vertical Shore With 144-180in Hydraulic Cylinder	148467/375166	9/14/2023	9/14/2023	10/11/2023	\$1,064.45	Cycle
9/30/2023	384597	4	2FT Vertical Shore With 76-112in Hydraulic Cylinder	148467/375166	9/14/2023	9/14/2023	10/11/2023	\$854.21	Cycle
9/30/2023	384597	6	2FT Vertical Shore With 108-144in Hydraulic Cylinder	148467/375166	9/14/2023	9/14/2023	10/11/2023	\$1,448.50	Cycle
10/4/2023	384893	44	Aluminum Sheet For Build-A-Box Panel With Guide Frame	145267/364719	7/24/2023	9/18/2023	10/15/2023	\$1,805.76	Cycle
10/4/2023	384893	1	10L x 4 Tall Build-A-Box Sheild with 36-60in Static Struts	145267/364719	7/24/2023	9/18/2023	10/15/2023	\$1,715.18	Cycle
10/4/2023	384893	1	6L x 4 Tall Build-A-Box Sheild with 48-72in Static Struts	145267/364719	7/24/2023	9/18/2023	10/15/2023	\$1,581.19	Cycle
10/4/2023	384893	1	6L x 4 Tall Build-A-Box Sheild with 48-72in Static Struts	145267/364719	7/24/2023	9/18/2023	10/15/2023	\$1,581.19	Cycle
10/5/2023	385041	6	2FT Vertical Shore With 34-55in Hydraulic Cylinder	144192/360020	6/27/2023	9/19/2023	10/16/2023	\$816.48	Cycle
10/6/2023	385174	6	Steel Plate 8x20x1 (Non-skid)	141032/349457	5/3/2023	9/20/2023	10/17/2023	\$1,434.67	Cycle/Return
10/6/2023	385174	1	Steel Plate 8x20x1 (Non-skid)	141032/349507	5/3/2023	9/20/2023	10/4/2023	\$185.98	Cycle/Return
10/6/2023	385174	4	Steel Plate 8x20x1 (Non-skid)	141032/349507	5/3/2023	9/20/2023	10/17/2023	\$956.45	Cycle/Return
10/6/2023	385174	1	Steel Plate 8x20x1 (Non-skid)	141124/349547	5/3/2023	9/20/2023	10/4/2023	\$185.98	Cycle/Return
10/6/2023	385174	2	Steel Plate 8x20x1 (Non-skid)	141124/349547	5/3/2023	9/20/2023	10/4/2023	\$371.95	Cycle/Return
10/6/2023	385174	2	Steel Plate 8x20x1 (Non-skid)	141124/349547	5/3/2023	9/20/2023	10/17/2023	\$478.22	Cycle/Return
10/6/2023	385174	17	2FT Vertical Shore With 34-55in Hydraulic Cylinder	144227/360208	6/28/2023	9/20/2023	10/17/2023	\$2,313.36	Cycle/Return
10/6/2023	385174	1	Steel Plate 8x10x1 (Non-skid)	144622/361636	7/7/2023	10/2/2023	10/5/2023	\$51.73	Cycle/Return
10/6/2023	385174	1	Steel Plate 8 x 10 x 1	144689/361869	7/10/2023	10/2/2023	10/5/2023	\$51.73	Cycle/Return
10/6/2023	385174	1	Steel Plate 8 x 10 x 1	144689/361869	7/10/2023	10/2/2023	10/5/2023	\$51.73	Cycle/Return
10/6/2023	385174	92	Aluminum Sheet For Build-A-Box Panel With Guide Frame	145419/365362	7/26/2023	9/20/2023	10/17/2023	\$3,775.68	Cycle/Return
10/6/2023	385174	1	6L x 4 Tall Build-A-Box Sheild with 36-60in Static Struts	145419/365362	7/26/2023	9/20/2023	10/17/2023	\$1,581.19	Cycle/Return
10/6/2023	385174	1	8L x 4 Tall Build-A-Box Sheild with 48-72in Static Struts	145419/365362	7/26/2023	9/20/2023	10/17/2023	\$1,567.80	Cycle/Return
10/6/2023	385174	1	8L x 4 Tall Build-A-Box Sheild with 48-72in Static Struts	145419/365362	7/26/2023	9/20/2023	10/17/2023	\$1,567.80	Cycle/Return
10/6/2023	385174	1	8L x 4 Tall Build-A-Box Sheild with 48-72in Static Struts	145419/365362	7/26/2023	9/20/2023	10/17/2023	\$1,567.80	Cycle/Return
10/6/2023	385174	1	8L x 4 Tall Build-A-Box Sheild with 48-72in Static Struts	145419/365362	7/26/2023	9/20/2023	10/17/2023	\$1,567.80	Cycle/Return
10/6/2023	385174	1	Steel Plate 8x20x1 (Non-skid)	145931/366303	7/31/2023	9/25/2023	10/4/2023	\$159.40	Cycle/Return
10/6/2023	385174	1	Steel Plate 8x10x1 (Non-skid)	145931/366303	7/31/2023	9/25/2023	10/5/2023	\$185.40	Cycle/Return
10/6/2023	385174	1	Steel Plate 8x20x1 (Non-skid)	145931/366303	7/31/2023	9/25/2023	10/5/2023	\$159.40	Cycle/Return

### BI D9 Shoring Costs Summary

Date	Invoice #	Quantity	Description	Contract #	Date Out	Bill From	Bill To	Total	Billing Type
10/6/2023	385174	1	Steel Plate 8x20x1 (Non-skid)	145931/366335	7/31/2023	9/25/2023	10/4/2023	\$159.40	Cycle/Return
10/6/2023	385174	1	Steel Plate 8x20x1 (Non-skid)	145931/366335	7/31/2023	9/25/2023	10/4/2023	\$159.40	Cycle/Return
10/6/2023	385174	1	Steel Plate 8x20x1 (Non-skid)	145931/366335	7/31/2023	9/25/2023	10/5/2023	\$159.40	Cycle/Return
10/6/2023	385174	3	Steel Plate 8 x 10 x 1	146246/367533	8/7/2023	10/2/2023	10/5/2023	\$155.20	Cycle/Return
10/6/2023	385174	1	Steel Plate 8 x 10 x 1	146246/367533	8/7/2023	10/2/2023	10/5/2023	\$51.73	Cycle/Return
10/6/2023	385174	2	Steel Plate 8x20x1 (Non-skid)	146596/368677	8/11/2023	10/2/2023	10/4/2023	\$159.40	Cycle/Return
10/6/2023	385174	1	Steel Plate 8x20x1 (Non-skid)	146596/368677	8/11/2023	10/2/2023	10/4/2023	\$79.70	Cycle/Return
10/6/2023	385174	10	2FT Vertical Shore With 76-112in Hydraulic Cylinder	148760/376404	9/20/2023	9/20/2023	10/17/2023	\$2,135.52	Cycle/Return
10/11/2023	385584	24	72-108 Pin in Place Adjustable Static Strut for XLAP & Build-A-Box	145965/366443	7/31/2023	9/25/2023	10/22/2023	\$1,418.69	Cycle
10/11/2023	385584	30	2FT Vertical Shore With 76-112in Hydraulic Cylinder	145965/366443	7/31/2023	9/25/2023	10/22/2023	\$6,406.56	Cycle
10/13/2023	385878	3	2FT Vertical Shore With 52-88in Hydraulic Cylinder	144432/361057	7/5/2023	9/27/2023	10/24/2023	\$488.81	Cycle
10/16/2023	386124	4	Steel Plate 8x10x1 (Non-skid)	145931/366303	7/31/2023	9/25/2023	10/22/2023	\$1,112.40	Cycle
10/16/2023	386124	2	Steel Plate 8x20x1 (Non-skid)	145931/366335	7/31/2023	9/25/2023	10/22/2023	\$478.22	Cycle
10/18/2023	386266	6	Steel Plate 8 x 10 x 1	144689/361869	7/10/2023	10/2/2023	10/29/2023	\$931.18	Cycle
10/18/2023	386266	9	Steel Plate 8 x 10 x 1	146246/367533	8/7/2023	10/2/2023	10/29/2023	\$1,396.76	Cycle
10/18/2023	386266	5	Steel Plate 6 x 10 x 1	146246/367631	8/7/2023	10/2/2023	10/29/2023	\$881.64	Cycle
10/18/2023	386266	4	72-108 Pin in Place Adjustable Static Strut for XLAP & Build-A-Box	146246/367631	8/7/2023	10/2/2023	10/29/2023	\$236.45	Cycle
10/18/2023	386266	8	96-144 Pin in Place Adjustable Static Strut for XLAP & Build-A-Box	146246/367631	8/7/2023	10/2/2023	10/29/2023	\$696.38	Cycle
10/18/2023	386266	4	Steel Plate 8 x 10 x 1	146246/367631	8/7/2023	10/2/2023	10/29/2023	\$620.78	Cycle
10/18/2023	386266	58	2FT Vertical Shore With 76-112in Hydraulic Cylinder	146246/367631	8/7/2023	10/2/2023	10/29/2023	\$12,386.02	Cycle
10/18/2023	386266	8	2FT Vertical Shore With 94-130in Hydraulic Cylinder	146246/367631	8/7/2023	10/2/2023	10/29/2023	\$1,817.28	Cycle
10/19/2023	386397	2	Steel Plate 8x20x1 (Non-skid)	140109/346269	4/18/2023	10/3/2023	10/30/2023	\$970.06	Cycle/Return
10/19/2023	386397	14	Aluminum Sheet For Build-A-Box Panel With Guide Frame	145267/364719	7/24/2023	10/16/2023	10/17/2023	\$127.68	Cycle/Return
10/20/2023	386525	7	Steel Plate 8x10x1 (Non-skid)	140249/346727	4/19/2023	10/4/2023	10/31/2023	\$1,946.70	Cycle
10/20/2023	386525	1	6Hx20Lx4in Thick Steel Double Wall Trench Shield With Flat Bottom	140249/346727	4/19/2023	10/4/2023	10/31/2023	\$1,770.19	Cycle
10/20/2023	386525	7	Steel Plate 6 x 10 x 1	143383/357385	6/13/2023	10/4/2023	10/31/2023	\$1,234.30	Cycle
10/20/2023	386525	1	Steel Plate 6 x 10 x 1	143383/357385	6/13/2023	10/4/2023	10/31/2023	\$176.33	Cycle
10/20/2023	386525	6	Steel Plate 8 x 10 x 1	143383/357385	6/14/2023	10/4/2023	10/31/2023	\$931.18	Cycle
10/20/2023	386525	2	Steel Plate 8 x 10 x 1	143383/357385	6/13/2023	10/4/2023	10/31/2023	\$310.39	Cycle
10/21/2023	386641	5	2FT Vertical Shore With 52-88in Hydraulic Cylinder	144891/362645	7/13/2023	10/5/2023	11/1/2023	\$814.68	Cycle
10/23/2023	386761	1	Steel Plate 8x10x1 (Non-skid)	144622/361636	7/7/2023	10/2/2023	10/29/2023	\$155.20	Cycle
10/23/2023	386761	2	Steel Plate 8x10x1 (Non-skid)	144622/361753	7/10/2023	10/2/2023	10/29/2023	\$310.40	Cycle
10/23/2023	386761	4	Steel Plate 8x20x1 (Non-skid)	146596/368677	8/11/2023	10/2/2023	10/29/2023	\$956.44	Cycle
10/25/2023	386946	1	Steel Plate 8x15x1 (Non-skid)	140533/347497	4/24/2023	10/9/2023	11/5/2023	\$369.68	Cycle
10/25/2023	386946	2	Steel Plate 8x15x1 (Non-skid)	140533/347501	4/24/2023	10/9/2023	11/5/2023	\$739.37	Cycle
10/25/2023	386946	1	12L x 4 Tall Build-A-Box Sheild with 48-72in Static Struts	145063/363246	7/17/2023	10/9/2023	11/5/2023	\$1,886.40	Cycle
10/27/2023	387215	11	Aluminum Sheet For Build-A-Box Panel With Guide Frame	145267/364719	7/24/2023	10/16/2023	10/25/2023	\$300.96	Cycle/Return
10/27/2023	387215	1	10L x 4 Tall Build-A-Box Sheild with 36-60in Static Struts	145267/364719	7/24/2023	10/16/2023	10/25/2023	\$1,143.46	Cycle/Return
10/27/2023	387215	1	6L x 4 Tall Build-A-Box Sheild with 48-72in Static Struts	145267/364719	7/24/2023	10/16/2023	10/25/2023	\$1,054.13	Cycle/Return
10/27/2023	387215	4	2FT Vertical Shore With 144-180in Hydraulic Cylinder	145296/364037	7/19/2023	10/11/2023	11/7/2023	\$1,064.45	Cycle/Return
10/27/2023	387215	4	2FT Vertical Shore With 108-144in Hydraulic Cylinder	145296/364037	7/19/2023	10/11/2023	11/7/2023	\$965.66	Cycle/Return
10/27/2023	387215	92	Aluminum Sheet For Build-A-Box Panel With Guide Frame	145419/365362	7/26/2023	10/18/2023	10/25/2023	\$1,678.08	Cycle/Return
10/27/2023	387215	20	72-108 Pin in Place Adjustable Static Strut for XLAP & Build-A-Box	145965/366443	7/31/2023	10/23/2023	10/25/2023	\$394.08	Cycle/Return
10/28/2023	387351	1	2FT Vertical Shore With 28-46in Hydraulic Cylinder	140785/348421	4/27/2023	10/12/2023	11/8/2023	\$128.02	Cycle
10/28/2023	387351	10	Steel Plate 8x20x1 (Non-skid)	148467/375166	9/14/2023	10/12/2023	11/8/2023	\$2,992.32	Cycle
10/28/2023	387351	4	2FT Vertical Shore With 144-180in Hydraulic Cylinder	148467/375166	9/14/2023	10/12/2023	11/8/2023	\$1,064.45	Cycle
10/28/2023	387351	4	2FT Vertical Shore With 76-112in Hydraulic Cylinder	148467/375166	9/14/2023	10/12/2023	11/8/2023	\$854.21	Cycle
10/28/2023	387351	6	2FT Vertical Shore With 108-144in Hydraulic Cylinder	148467/375166	9/14/2023	10/12/2023	11/8/2023	\$1,448.50	Cycle
10/31/2023	387823	1	8L x 4 Tall Build-A-Box Sheild with 48-72in Static Struts	145419/365362	7/26/2023	10/18/2023	10/30/2023	\$1,045.20	Return
10/31/2023	387823	1	8L x 4 Tall Build-A-Box Sheild with 48-72in Static Struts	145419/365362	7/26/2023	10/18/2023	10/30/2023	\$1,045.20	Return
10/31/2023	387823	1	8L x 4 Tall Build-A-Box Sheild with 36-60in Static Struts	145419/365362	7/26/2023	10/18/2023	10/30/2023	\$1,045.20	Return
10/31/2023	387823	22	2FT Vertical Shore With 76-112in Hydraulic Cylinder	145965/366443	7/31/2023	10/23/2023	10/30/2023	\$2,088.06	Return
10/31/2023	387823	12	2FT Vertical Shore With 76-112in Hydraulic Cylinder	146246/367631	8/7/2023	10/30/2023	10/30/2023	\$284.74	Return
10/31/2023	387823	8	2FT Vertical Shore With 94-130in Hydraulic Cylinder	146246/367631	8/7/2023	10/30/2023	10/30/2023	\$201.92	Return
11/2/2023	388073	6	2FT Vertical Shore With 34-55in Hydraulic Cylinder	144192/360020	6/27/2023	10/17/2023	11/13/2023	\$816.48	Cycle/Return
11/2/2023	388073	19	Aluminum Sheet For Build-A-Box Panel With Guide Frame	145267/364719	7/24/2023	10/16/2023	11/12/2023	\$779.76	Cycle/Return
11/2/2023	388073	1	6L x 4 Tall Build-A-Box Sheild with 48-72in Static Struts	145267/364719	7/24/2023	10/16/2023	11/1/2023	\$1,581.19	Cycle/Return
11/2/2023	388073	1	6L x 4 Tall Build-A-Box Sheild with 36-60in Static Struts	145419/365362	7/26/2023	10/18/2023	11/1/2023	\$1,229.82	Cycle/Return
11/2/2023	388073	4	72-108 Pin in Place Adjustable Static Strut for XLAP & Build-A-Box	145965/366443	7/31/2023	10/23/2023	11/1/2023	\$157.63	Cycle/Return
11/2/2023	388073	4	72-108 Pin in Place Adjustable Static Strut for XLAP & Build-A-Box	146246/367631	8/7/2023	10/30/2023	11/1/2023	\$78.82	Cycle/Return
11/3/2023	388249	6	Steel Plate 8x20x1 (Non-skid)	141032/349457	5/3/2023	10/18/2023	11/14/2023	\$1,434.67	Cycle
11/3/2023	388249	4	Steel Plate 8x20x1 (Non-skid)	141032/349507	5/3/2023	10/18/2023	11/14/2023	\$956.45	Cycle
11/3/2023	388249	2	Steel Plate 8x20x1 (Non-skid)	141124/349547	5/3/2023	10/18/2023	11/14/2023	\$478.22	Cycle
11/3/2023	388249	17	2FT Vertical Shore With 34-55in Hydraulic Cylinder	144227/360208	6/28/2023	10/18/2023	11/14/2023	\$2,313.36	Cycle
11/3/2023	388249	10	2FT Vertical Shore With 76-112in Hydraulic Cylinder	148760/376404	9/20/2023	10/18/2023	11/14/2023	\$2,135.52	Cycle
11/10/2023	389086	3	2FT Vertical Shore With 52-88in Hydraulic Cylinder	144432/361057	7/5/2023	10/25/2023	11/21/2023	\$488.81	Cycle
11/13/2023	389442	4	Steel Plate 8x10x1 (Non-skid)	145931/366303	7/31/2023	10/23/2023	11/19/2023	\$1,112.40	Cycle
11/13/2023	389442	2	Steel Plate 8x20x1 (Non-skid)	145931/366335	7/31/2023	10/23/2023	11/19/2023	\$478.22	Cycle
11/15/2023	389633	6	Steel Plate 8 x 10 x 1	144689/361869	7/10/2023	10/30/2023	11/26/2023	\$931.18	Cycle/Return
11/15/2023	389633	5	Steel Plate 6 x 10 x 1	146246/367631	8/7/2023	10/30/2023	11/26/2023	\$881.64	Cycle/Return
11/15/2023	389633	4	Steel Plate 8 x 10 x 1	146246/367631	8/7/2023	10/30/2023	11/26/2023	\$620.78	Cycle/Return
11/15/2023	389633	9	Steel Plate 8 x 10 x 1	146246/367533	8/7/2023	10/30/2023	11/26/2023	\$1,396.76	Cycle/Return
11/15/2023	389633	39	2FT Vertical Shore With 76-112in Hydraulic Cylinder	146246/367631	8/7/2023	10/30/2023	11/14/2023	\$7,403.14	Cycle/Return
11/15/2023	389633	3	2FT Vertical Shore With 76-112in Hydraulic Cylinder	146246/367631	8/7/2023	10/30/2023	11/14/2023	\$569.47	Cycle/Return
11/15/2023	389633	4	2FT Vertical Shore With 76-112in Hydraulic Cylinder	146246/367631	8/7/2023	10/30/2023	11/26/2023	\$854.21	Cycle/Return
11/15/2023	389633	3	Steel Plate 8x10x1 (Non-skid)	150776/384080	10/30/2023	10/30/2023	11/26/2023	\$834.30	Cycle/Return
11/15/2023	389633	3	Steel Plate 8x12x1 (Non-skid)	150776/384080	10/30/2023	10/30/2023	11/26/2023	\$944.30	Cycle/Return
11/15/2023	389633	6	Steel Plate 8x10x1 (Non-skid)	150776/384160	10/30/2023	10/30/2023	11/26/2023	\$1,668.60	Cycle/Return
11/15/2023	389633	5	2FT Vertical Shore With 52-88in Hydraulic Cylinder	150776/384080	10/30/2023	10/30/2023	11/14/2023	\$724.16	Cycle/Return
11/15/2023	389633	41	2FT Vertical Shore With 52-88in Hydraulic Cylinder	150776/384080	10/30/2023	10/30/2023	11/14/2023	\$5,938.11	Cycle/Return
11/15/2023	389633	14	2FT Vertical Shore With 52-88in Hydraulic Cylinder	150776/384080	10/30/2023	10/30/2023	11/26/2023	\$2,281.10	Cycle/Return
11/16/2023	389780	2	Steel Plate 8x20x1 (Non-skid)	140109/346269	4/18/2023	10/31/2023	11/27/2023	\$970.06	Cycle/Return
11/16/2023	389780	5	2FT Vertical Shore With 52-88in Hydraulic Cylinder	144891/362645	7/13/2023	11/2/2023	11/14/2023	\$543.12	Cycle/Return

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Date	Invoice #	Quantity	Description	Contract #	Date Out	Bill From	Bill To	Total	Billing Type
11/16/2023	389780	19	Aluminum Sheet For Build-A-Box Panel With Guide Frame	145267/364719	7/24/2023	11/13/2023	11/14/2023	\$173.28	Cycle/Return
11/16/2023	389780	3	2FT Vertical Shore With 144-180in Hydraulic Cylinder	145296/364037	7/19/2023	11/8/2023	11/14/2023	\$266.11	Cycle/Return
11/16/2023	389780	1	2FT Vertical Shore With 108-144in Hydraulic Cylinder	148467/375166	9/14/2023	11/9/2023	11/14/2023	\$80.47	Cycle/Return
11/17/2023	389901	7	Steel Plate 8x10x1 (Non-skid)	140249/346727	4/19/2023	11/1/2023	11/28/2023	\$1,946.70	Cycle
11/17/2023	389901	1	6Hx20Lx4in Thick Steel Double Wall Trench Sheild With Flat Bottom	140249/346727	4/19/2023	11/1/2023	11/28/2023	\$1,770.19	Cycle
11/17/2023	389901	7	Steel Plate 6 x 10 x 1	143383/357385	6/13/2023	11/1/2023	11/28/2023	\$1,234.30	Cycle
11/17/2023	389901	1	Steel Plate 6 x 10 x 1	143383/357385	6/13/2023	11/1/2023	11/28/2023	\$176.33	Cycle
11/17/2023	389901	6	Steel Plate 8 x 10 x 1	143383/357526	6/14/2023	11/1/2023	11/28/2023	\$931.18	Cycle
11/17/2023	389901	2	Steel Plate 8 x 10 x 1	143383/357385	6/13/2023	11/1/2023	11/28/2023	\$310.39	Cycle
11/17/2023	389901	10	Steel Plate 6 x 10 x 1	151057/384587	11/1/2023	11/1/2023	11/28/2023	\$1,763.28	Cycle
11/20/2023	390162	2	Steel Plate 8x10x1 (Non-skid)	144622/361753	7/10/2023	10/30/2023	11/26/2023	\$310.40	Cycle
11/20/2023	390162	1	Steel Plate 8x10x1 (Non-skid)	144622/361636	7/7/2023	10/30/2023	11/26/2023	\$155.20	Cycle
11/20/2023	390162	4	Steel Plate 8x20x1 (Non-skid)	146596/368677	8/11/2023	10/30/2023	11/26/2023	\$956.44	Cycle
12/5/2023	N/A	1	Repair Costs For Buld-A-Boxes	N/A	12/5/2023	12/5/2023	12/5/2023	\$4,203.85	Repairs
11/22/2023	390348	1	Steel Plate 8x15x1 (Non-skid)	140533/347497	4/24/2023	11/6/2023	12/3/2023	\$369.68	Cycle
11/22/2023	390348	2	Steel Plate 8x15x1 (Non-skid)	140533/347501	4/24/2023	11/6/2023	12/3/2023	\$739.37	Cycle
11/30/2023	391465	6	2FT Vertical Shore With 34-55in Hydraulic Cylinder	144192/360020	6/27/2023	11/14/2023	12/11/2023	\$816.48	Cycle/Return
11/30/2023	391465	1	Steel Plate 8x10x1 (Non-skid)	144622/361753	7/10/2023	11/27/2023	11/28/2023	\$34.48	Cycle/Return
11/30/2023	391465	1	Steel Plate 8 x 10 x 1	144689/361869	7/10/2023	11/27/2023	11/28/2023	\$34.49	Cycle/Return
11/30/2023	391465	2	Steel Plate 8x10x1 (Non-skid)	145931/366303	7/31/2023	11/20/2023	11/28/2023	\$309.00	Cycle/Return
11/30/2023	391465	1	Steel Plate 8 x 10 x 1	146246/367631	8/7/2023	11/27/2023	11/28/2023	\$34.49	Cycle/Return
11/30/2023	391465	2	Steel Plate 8 x 10 x 1	146246/367533	8/7/2023	11/27/2023	11/28/2023	\$68.98	Cycle/Return
11/30/2023	391465	2	Steel Plate 8x10x1 (Non-skid)	150776/384080	10/30/2023	11/27/2023	11/28/2023	\$123.60	Cycle/Return
11/30/2023	391465	2	Steel Plate 8x10x1 (Non-skid)	150776/384160	10/30/2023	11/27/2023	11/28/2023	\$123.60	Cycle/Return
11/25/2023	390721	10	Steel Plate 6 x 10 x 1 (Non-skid)	148467/375166	9/14/2023	11/9/2023	12/6/2023	\$2,992.32	Cycle
11/25/2023	390721	4	2FT Vertical Shore With 144-180in Hydraulic Cylinder	148467/375166	9/14/2023	11/9/2023	12/6/2023	\$1,064.45	Cycle
11/25/2023	390721	4	2FT Vertical Shore With 76-112in Hydraulic Cylinder	148467/375166	9/14/2023	11/9/2023	12/6/2023	\$854.21	Cycle
11/25/2023	390721	3	2FT Vertical Shore With 108-144in Hydraulic Cylinder	148467/375166	9/14/2023	11/9/2023	12/6/2023	\$724.25	Cycle
11/24/2023	390611	1	2FT Vertical Shore With 144-180in Hydraulic Cylinder	145296/364037	7/19/2023	11/8/2023	12/5/2023	\$266.11	Cycle
12/18/2023	393253	1	Steel Plate 8x10x1 (Non-skid)	144622/361636	7/7/2023	11/27/2023	12/24/2023	\$155.20	Cycle
12/18/2023	393253	1	Steel Plate 8x10x1 (Non-skid)	144622/361753	7/10/2023	11/27/2023	12/24/2023	\$155.20	Cycle
12/18/2023	393253	4	Steel Plate 8x20x1 (Non-skid)	146596/368677	8/11/2023	11/27/2023	12/24/2023	\$956.44	Cycle
12/20/2023	393429	8	Steel Plate 8x20x1 (Non-skid)	152253/389170	11/29/2023	11/29/2023	12/26/2023	\$1,912.88	Cycle
12/20/2023	393429	7	Steel Plate 8x20x1 (Non-skid)	152253/389261	11/29/2023	11/29/2023	12/26/2023	\$1,673.77	Cycle
12/27/2023	395367	1	Steel Plate 8x15x1 (Non-skid)	140533/347497	4/24/2023	12/4/2023	12/31/2023	\$369.68	Cycle
12/27/2023	395367	2	Steel Plate 8x15x1 (Non-skid)	140533/347501	4/24/2023	12/4/2023	12/31/2023	\$739.37	Cycle
12/27/2023	395367	1	2FT Vertical Shore With 144-180in Hydraulic Cylinder	145296/364037	7/19/2023	12/6/2023	1/2/2024	\$266.11	Cycle
12/27/2023	395367	10	Steel Plate 6 x 10 x 1 (Non-skid)	148467/375166	9/14/2023	12/7/2023	1/3/2024	\$2,992.32	Cycle
12/27/2023	395367	4	2FT Vertical Shore With 144-180in Hydraulic Cylinder	148467/375166	9/14/2023	12/7/2023	1/3/2024	\$1,064.45	Cycle
12/27/2023	395367	4	2FT Vertical Shore With 76-112in Hydraulic Cylinder	148467/375166	9/14/2023	12/7/2023	1/3/2024	\$854.21	Cycle
12/27/2023	395367	3	2FT Vertical Shore With 108-144in Hydraulic Cylinder	148467/375166	9/14/2023	12/7/2023	1/3/2024	\$724.25	Cycle
12/28/2023	395593	6	2FT Vertical Shore With 34-55in Hydraulic Cylinder	144192/360020	6/27/2023	12/12/2023	1/8/2024	\$816.48	Cycle
12/29/2023	395839	6	Steel Plate 8x20x1 (Non-skid)	141032/349457	5/3/2023	12/13/2023	1/9/2024	\$1,434.67	Cycle
12/29/2023	395839	4	Steel Plate 8x20x1 (Non-skid)	141032/349507	5/3/2023	12/13/2023	1/9/2024	\$956.45	Cycle
12/29/2023	395839	2	Steel Plate 8x20x1 (Non-skid)	141124/349547	5/3/2023	12/13/2023	1/9/2024	\$478.22	Cycle
12/29/2023	395839	17	2FT Vertical Shore With 34-55in Hydraulic Cylinder	144227/360208	6/28/2023	12/13/2023	1/9/2024	\$2,313.36	Cycle
12/29/2023	395839	10	2FT Vertical Shore With 76-112in Hydraulic Cylinder	148760/376404	9/20/2023	12/13/2023	1/9/2024	\$2,135.52	Cycle
1/6/2024	396340	6	2FT Vertical Shore With 108-144in Hydraulic Cylinder	153377/392948	12/21/2023	12/21/2023	11/17/2023	\$1,448.50	Cycle/Return
1/8/2024	396408	2	Steel Plate 8x20x1 (Non-skid)	145931/366335	7/31/2023	12/18/2023	1/14/2024	\$478.22	Cycle
1/8/2024	396408	2	Steel Plate 8x10x1 (Non-skid)	145931/366303	7/31/2023	12/18/2023	1/14/2024	\$556.20	Cycle
1/10/2024	396544	5	Steel Plate 8 x 10 x 1	144689/361869	7/10/2023	12/25/2023	1/21/2024	\$775.98	Cycle
1/10/2024	396544	5	Steel Plate 6 x 10 x 1	146246/367631	8/7/2023	12/25/2023	1/21/2024	\$881.64	Cycle
1/10/2024	396544	3	Steel Plate 8 x 10 x 1	146246/367631	8/7/2023	12/25/2023	1/21/2024	\$465.59	Cycle
1/10/2024	396544	7	Steel Plate 8 x 10 x 1	146246/367533	8/7/2023	12/25/2023	1/21/2024	\$1,086.37	Cycle
1/10/2024	396544	4	2FT Vertical Shore With 76-112in Hydraulic Cylinder	146246/367631	8/7/2023	12/25/2023	1/21/2024	\$854.21	Cycle
1/10/2024	396544	3	Steel Plate 8x12x1 (Non-skid)	150776/384080	10/30/2023	12/25/2023	1/21/2024	\$944.30	Cycle
1/10/2024	396544	1	Steel Plate 8x10x1 (Non-skid)	150776/384080	10/30/2023	12/25/2023	1/21/2024	\$278.10	Cycle
1/10/2024	396544	4	Steel Plate 8x10x1 (Non-skid)	150776/384160	10/30/2023	12/25/2023	1/21/2024	\$1,112.40	Cycle
1/10/2024	396544	14	2FT Vertical Shore With 52-88in Hydraulic Cylinder	150776/384080	10/30/2023	12/25/2023	1/21/2024	\$2,281.10	Cycle
1/11/2024	396635	2	Steel Plate 8x20x1 (Non-skid)	140109/346269	4/18/2023	12/26/2023	1/22/2024	\$970.06	Cycle
1/12/2024	396746	7	Steel Plate 8x10x1 (Non-skid)	140249/346727	4/19/2023	12/27/2023	1/23/2024	\$1,946.70	Cycle
1/12/2024	396746	1	6Hx20Lx4in Thick Steel Double Wall Trench Sheild With Flat Bottom	140249/346727	4/19/2023	12/27/2023	1/23/2024	\$1,770.19	Cycle
1/12/2024	396746	7	Steel Plate 6 x 10 x 1	143383/357385	6/13/2023	12/27/2023	1/23/2024	\$1,234.30	Cycle
1/12/2024	396746	1	Steel Plate 6 x 10 x 1	143383/357385	6/13/2023	12/27/2023	1/23/2024	\$176.33	Cycle
1/12/2024	396746	6	Steel Plate 8 x 10 x 1	143383/357526	6/14/2023	12/27/2023	1/23/2024	\$931.18	Cycle
1/12/2024	396746	2	Steel Plate 8 x 10 x 1	143383/357385	6/13/2023	12/27/2023	1/23/2024	\$310.39	Cycle
1/12/2024	396746	10	Steel Plate 6 x 10 x 1	151057/384587	11/1/2023	12/27/2023	1/23/2024	\$1,763.28	Cycle
1/15/2024	396951	1	Steel Plate 8x10x1 (Non-skid)	144622/361636	7/7/2023	12/25/2023	1/21/2024	\$155.20	Cycle
1/15/2024	396951	1	Steel Plate 8x10x1 (Non-skid)	144622/361753	7/10/2023	12/25/2023	1/21/2024	\$155.20	Cycle
1/15/2024	396951	4	Steel Plate 8x20x1 (Non-skid)	146596/368677	8/11/2023	12/25/2023	1/21/2024	\$956.44	Cycle
1/15/2024	396930	189	Plate Spike	154121/395329	1/11/2024	1/11/2024	1/11/2024	\$567.00	Purchase
			Trucking Fees (\$185 per Cycle/Return)					\$18,500.00	
			Subtotal for JUT Shoring Only					\$457,938.83	
			1.5% Enviromental Fee					\$6,869.08	
			1.2% WA State Heavy Rental Equipment Tax					\$5,495.27	
			10.25% Slaes Tax					\$46,938.73	
								\$535,741.91	
			Total Paid On FA For Sheets					1699.79	
			Total					\$534,042.12	

Shoring designated for water use only  
Shoring for JUT

## Change Order Pricing



Project No.: 2022-148  
 Project Name: Rainier Ave S Phase 4  
 Date: 1/30/2024

PCO: \_\_\_\_\_  
 Description: Daily Indirect Costs

Description	Qty	UOM	Production Rate	Manhours	Labor Rate	Labor Cost	Equipment Hours	Equipment Rate	Equipment Cost	Material Cost	Sucontractor Cost	Item Cost
<b>General Overhead</b>												
Division Manager - Bill Adams	0.50	EA		4	\$195.75	\$391.50						\$391.50
Project Engineer - Russ Owen	1.00	EA		8	\$84.10	\$672.80	8.0	\$38.51	\$308.08			\$980.88
Field Engineer - Austin Roth	1.00	EA		8	\$61.63	\$493.00	8.0	\$38.51	\$308.08			\$801.08
Computers (FTE)	4.50	EA					36.0	\$1.01	\$36.42			\$36.42
Cell Phones (FTE)	3.50	EA					28.0	\$0.58	\$16.18			\$16.18
Radios	1.00	DY					8.0	\$1.16	\$9.25			\$9.25
Internet	1.00	DY					8.0	\$0.72	\$5.78			\$5.78
Conex Boxes	3.00	EA					24.0	\$0.87	\$20.81			\$20.81
Printer	2.00	EA					4.0	\$1.30	\$5.20			\$5.20
Bottled Water	1.00	DY								\$18.43		\$18.43
Office Equipment & Supplies	1.00	DY								\$2.30		\$2.30
Safety & First Aid Supplies	1.00	DY								\$17.70		\$17.70
Security Cameras	1.00	EA					8.0	\$22.00	\$176.00			\$176.00
Yard Leases	2.00	EA								\$221.20		\$221.20
Dumpsters	1.00	EA								\$22.12		\$22.12
Utilities (Water and Power)	1.00	DY								\$27.65		\$27.65
Light Towers	1.00	EA					8.0	\$16.30	\$130.40			\$130.40
Vac Trailer - Standby	0.75	EA					6.0	\$24.46	\$146.76			\$146.76
Power Brooms - Standby	0.88	EA					7.0	\$84.45	\$591.15			\$591.15
Fence Rentals	1.00	DY								\$11.41		\$11.41
Porta Pottys	3.00	EA								\$17.28		\$17.28
<b>Lump Sum Bid Items</b>												
A9 Field Office Building	1.00	DY						\$82.95	\$82.95			\$82.95
Element Cost						\$1,557.30			\$1,837.06	\$338.09	\$0.00	\$3,732.45
Allowable Markup						19.50%			17.50%	17.50%	12.00%	--
Markup Cost						\$303.67			\$321.49	\$59.17	\$0.00	\$684.32
Total Cost						\$1,860.97			\$2,158.55	\$397.25	\$0.00	\$4,416.77

### Change Order Pricing



Project No.: 2022-148  
 Project Name: Rainier Ave S Phase 4  
 Date: 1/30/2024

PCO: \_\_\_\_\_  
 Description: Daily Direct Costs

Description	Qty	UOM	Production Rate	Manhours	Labor Rate	Labor Cost	Equipment Hours	Equipment Rate	Equipment Cost	Material Cost	Sucontractor Cost	Item Cost
<b>General Overhead</b>												
Site Foreman - Anthony Trail	1.00	EA		8	\$94.61	\$756.88	8.0	\$32.78	\$262.24			\$1,019.12
GPS Operator	1.00	EA		8	\$89.98	\$719.84	8.0	\$18.71	\$149.68			\$869.52
Intern/Clerk	1.00	EA		8	\$36.25	\$290.00						\$290.00
Yard Maintenance	0.75	DY		6	\$89.88	\$539.28	6.0	\$101.38	\$608.28			\$1,147.56
Yard Forklift/Loader	0.75	DY		6	\$89.88	\$539.28	6.0	\$114.19	\$685.14			\$1,224.42
Yard Truck	0.50	EA					4.0	\$32.44	\$129.76			\$129.76
Deliveries	2.00	EA		2	\$83.86	\$167.72	2.0	\$73.54	\$147.08			\$314.80
<b>Lump Sum Bid Items</b>												
A10 Project Temporary Traffic Control	1.00	DY										
Traffic Equipment Rental	1.00	DY						\$138.02	\$138.02			\$138.02
A13 Traffic Control Supervisor	1.00	DY		2.5	\$63.23	\$158.08	2.5	\$38.58	\$96.45			\$254.53
<b>Subcontractors</b>												
Golden Gate Daily Costs											\$1,607.00	\$1,607.00
Element Cost						\$3,171.08			\$2,216.65	\$0.00	\$1,607.00	\$6,994.72
Allowable Markup						19.50%			17.50%	17.50%	12.00%	--
Markup Cost						\$618.36			\$387.91	\$0.00	\$192.84	\$1,199.11
Total Cost						\$3,789.43			\$2,604.56	\$0.00	\$1,799.84	\$8,193.84



ID	Task Name	Duration	Total Slack	Free Slack	Actual Start	Actual Finish	Early Start	Early Finish	Late Start	Late Finish	Predecessors	Text2
0	<b>Rainier Ave Phase 4 Project Schedule</b>	<b>740 d?</b>	<b>0 d?</b>	<b>0 d?</b>	<b>Wed 11/2/22</b>	<b>NA</b>	<b>Wed 11/2/22</b>	<b>Wed 11/2/22</b>	<b>Wed 11/2/22</b>	<b>Wed 11/2/22</b>		
1												
2	Bid Opening Date	1 d	0 d	0 d	Wed 11/2/22	Wed 11/2/22	Wed 11/2/22	Wed 11/2/22	Wed 11/2/22	Wed 11/2/22		Project Overview
3	Award Date (w/in 45 calendar days after opening bids)	1.13 d	0 d	0 d	Tue 12/13/22	Tue 12/13/22	Tue 12/13/22	Tue 12/13/22	Tue 12/13/22	Tue 12/13/22	2FS+45 d	Project Overview
4	Contract Execution Date	1 d	0 d	0 d	Thu 12/22/22	Thu 12/22/22	Thu 12/22/22	Thu 12/22/22	Thu 12/22/22	Thu 12/22/22	3	Project Overview
5	Notice to Proceed Date	1 d	0 d	0 d	Mon 3/13/23	Mon 3/13/23	Mon 3/13/23	Mon 3/13/23	Mon 3/13/23	Mon 3/13/23	3,20FS+8 d	Project Overview
6	Substantial Completion Date	0 d	0 d	0 d	NA	NA	Wed 11/12/25	Wed 11/12/25	Wed 11/12/25	Wed 11/12/25	527,531,315,345,463,279,462,530	Project Overview
7	Physical Completion Date	0 d	0 d	0 d	NA	NA	Wed 11/12/25	Wed 11/12/25	Wed 11/12/25	Wed 11/12/25	5,6	Project Overview
8	Contractual Physical Completion Date (500 working days)	0 d	154 d	154 d	NA	NA	Thu 4/3/25	Thu 4/3/25	Wed 11/12/25	Wed 11/12/25	5FS+500 d	Project Overview
9												
10	<b>Preconstruction</b>	<b>164 d</b>	<b>0 d</b>	<b>0 d</b>	<b>Sun 2/12/23</b>	<b>Fri 10/6/23</b>	<b>Sun 2/12/23</b>	<b>Fri 10/6/23</b>	<b>Sun 2/12/23</b>	<b>Fri 10/6/23</b>	<b>4</b>	
11	Submit Contractor's Health and Safety Plan	0 d	0 d	0 d	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23		Pivetta - Administration
12	Prepare/Submit Confined Space Entry Program	5 d	0 d	0 d	Mon 10/2/23	Fri 10/6/23	Mon 10/2/23	Fri 10/6/23	Mon 10/2/23	Fri 10/6/23	5	Pivetta - Administration
13	Prepare/Submit Shoring and Excavation Plan	3 d	0 d	0 d	Wed 2/15/23	Fri 2/17/23	Wed 2/15/23	Fri 2/17/23	Wed 2/15/23	Fri 2/17/23	4	Pivetta - Administration
14	Prepare/Submit Breakdown of Lump Sum Bid Items	5 d	0 d	0 d	Sun 2/12/23	Fri 2/17/23	Sun 2/12/23	Fri 2/17/23	Sun 2/12/23	Fri 2/17/23	4	Pivetta - Administration
15	Prepare/Submit Preliminary QPL/RAM for Jobsite Materials	5 d	0 d	0 d	Mon 10/2/23	Fri 10/6/23	Mon 10/2/23	Fri 10/6/23	Mon 10/2/23	Fri 10/6/23	4	Pivetta - Administration
16	Prepare/Submit Preliminary Schedule of Working Drawing Submittals	5 d	0 d	0 d	Mon 10/2/23	Fri 10/6/23	Mon 10/2/23	Fri 10/6/23	Mon 10/2/23	Fri 10/6/23	4	Pivetta - Administration
17	Submit Work Hour Variance to CoR	0 d	0 d	0 d	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	4	Pivetta - Administration
18	Prepare/Submit Type 2 Working Drawings for Field Office	1 d	0 d	0 d	Thu 3/2/23	Thu 3/2/23	Thu 3/2/23	Thu 3/2/23	Thu 3/2/23	Thu 3/2/23	4	Pivetta - Administration
19	Submit Preliminary Type B Schedule	1 d	0 d	0 d	Tue 2/21/23	Tue 2/21/23	Tue 2/21/23	Tue 2/21/23	Tue 2/21/23	Tue 2/21/23	4	Pivetta - Administration
20	Attend Preconstruction Conference	1 d	0 d	0 d	Wed 2/22/23	Wed 2/22/23	Wed 2/22/23	Wed 2/22/23	Wed 2/22/23	Wed 2/22/23	4FS+49 d,11,14,15,16,17,18,19	City of Renton
21												
22	Submit Final Type B Progress Schedule	1 d	0 d	0 d	Mon 3/20/23	Mon 3/20/23	Mon 3/20/23	Mon 3/20/23	Mon 3/20/23	Mon 3/20/23	20	Pivetta - Administration
23	Prepare/Submit Project Specific Traffic Control Plan	0 d	0 d	0 d	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	4	Pivetta - Administration
24	Prepare/Submit Confined Space Program Plan	5 d	0 d	0 d	Mon 10/2/23	Fri 10/6/23	Mon 10/2/23	Fri 10/6/23	Mon 10/2/23	Fri 10/6/23	4	Pivetta - Administration
25	Submit/Fabricate Sample Project Identification Signs to CoR	5 d	0 d	0 d	Mon 2/20/23	Mon 2/27/23	Mon 2/20/23	Mon 2/27/23	Mon 2/20/23	Mon 2/27/23	4	Pivetta - Administration
26	Prepare/Submit Dewatering Plan (Waiting on RFI-007 submitted 2/20/2023)	5 d	0 d	0 d	Mon 10/2/23	Fri 10/6/23	Mon 10/2/23	Fri 10/6/23	Mon 10/2/23	Fri 10/6/23	4	Pivetta - Administration
27	Prepare/Submit Contaminated Soil and GW Handling and Mgmt Plan	0 d	0 d	0 d	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	4	Pivetta - Administration
28	Request JUT Structures and Conduit	1 d	0 d	0 d	Wed 3/8/23	Wed 3/8/23	Wed 3/8/23	Wed 3/8/23	Wed 3/8/23	Wed 3/8/23	20	Pivetta - Administration
29	Utility Preconstruction Meeting	1 d	0 d	0 d	Thu 3/16/23	Thu 3/16/23	Thu 3/16/23	Thu 3/16/23	Thu 3/16/23	Thu 3/16/23	5FS+5 d	City of Renton
30												
31	Setup/Install Temporary Field Offices	0 d	0 d	0 d	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	20	Pivetta
32	Complete Project Existing Conditions Survey	4 d	0 d	0 d	Mon 3/13/23	Fri 3/17/23	Mon 3/13/23	Fri 3/17/23	Mon 3/13/23	Fri 3/17/23	5	Pivetta - Administration
33	Control and Staking	0 d	0 d	0 d	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	Mon 2/20/23	5	North Peak
34												
35	<b>Rainier Ave. S. - Construction Duration</b>	<b>655 d?</b>	<b>0 d?</b>	<b>0 d?</b>	<b>Mon 3/13/23</b>	<b>NA</b>	<b>Mon 3/13/23</b>	<b>Wed 11/12/25</b>	<b>Mon 3/13/23</b>	<b>Wed 11/12/25</b>	<b>5,13</b>	
36	<b>Mobilization</b>	<b>107 d</b>	<b>0 d</b>	<b>0 d</b>	<b>Mon 3/13/23</b>	<b>Fri 8/11/23</b>	<b>Mon 3/13/23</b>	<b>Fri 8/11/23</b>	<b>Mon 3/13/23</b>	<b>Fri 8/11/23</b>		
37	CCTV and Flush Sewer Lines	0 d	0 d	0 d	Tue 8/1/23	Tue 8/1/23	Tue 8/1/23	Tue 8/1/23	Tue 8/1/23	Tue 8/1/23	5,12	Insituform
38	Fence Removal and Reinstallation	5 d	0 d	0 d	Tue 8/1/23	Mon 8/7/23	Tue 8/1/23	Mon 8/7/23	Tue 8/1/23	Mon 8/7/23	33SS	Pivetta
39	Sewer Manhole Delivery	39 d	0 d	0 d	Fri 6/16/23	Fri 8/11/23	Fri 6/16/23	Fri 8/11/23	Fri 6/16/23	Fri 8/11/23	5	Pivetta - Administration
40												
41	<b>Potholing</b>	<b>42 d</b>	<b>0 d</b>	<b>0 d</b>	<b>Mon 3/13/23</b>	<b>Tue 5/9/23</b>	<b>Mon 3/13/23</b>	<b>Tue 5/9/23</b>	<b>Mon 3/13/23</b>	<b>Tue 5/9/23</b>		
42	Pothole South Rainier Ave - STA 15+25 to 25+00	17 d	0 d	0 d	Mon 3/13/23	Wed 4/5/23	Mon 3/13/23	Wed 4/5/23	Mon 3/13/23	Wed 4/5/23	5,23	
43	Pothole North Rainier Ave - STA 25+00 to 42+85	24 d	0 d	0 d	Wed 4/5/23	Tue 5/9/23	Wed 4/5/23	Tue 5/9/23	Wed 4/5/23	Tue 5/9/23	42	
44	Pothole Side Streets	0 d	0 d	0 d	Thu 5/4/23	Thu 5/4/23	Thu 5/4/23	Thu 5/4/23	Thu 5/4/23	Thu 5/4/23	43	
45												
46	<b>Stage 1 (West)</b>	<b>461 d?</b>	<b>183 d?</b>	<b>183 d?</b>	<b>Tue 3/28/23</b>	<b>NA</b>	<b>Tue 3/28/23</b>	<b>Fri 2/21/25</b>	<b>Tue 3/28/23</b>	<b>Wed 11/12/25</b>	<b>5</b>	
47	<b>Site Prep - Sta 13+93.10 to 40+80.29</b>	<b>133.25 d</b>	<b>0 d</b>	<b>0 d</b>	<b>Tue 3/28/23</b>	<b>Fri 10/6/23</b>	<b>Tue 3/28/23</b>	<b>Fri 10/6/23</b>	<b>Tue 3/28/23</b>	<b>Fri 10/6/23</b>		
48	Install Project Identification and Business Owner Signs	1 d	0 d	0 d	Tue 3/28/23	Tue 3/28/23	Tue 3/28/23	Tue 3/28/23	Tue 3/28/23	Tue 3/28/23	4	Pivetta
49	Install High Visibility Fence/Inspection by CoR	1 d	0 d	0 d	Wed 3/29/23	Wed 3/29/23	Wed 3/29/23	Wed 3/29/23	Wed 3/29/23	Wed 3/29/23	4	Pivetta
50	Install TESC- Stage 1	28 d	0 d	0 d	Wed 3/29/23	Fri 5/5/23	Wed 3/29/23	Fri 5/5/23	Wed 3/29/23	Fri 5/5/23	4	Pivetta
51	Clear & Grub - Stage 1 (Work Progressing as Needed with Other Activities)	2.25 d	0 d	0 d	Wed 6/21/23	Mon 4/24/23	Wed 6/21/23	Mon 4/24/23	Wed 6/21/23	Mon 4/24/23	50	Pivetta
52	Complete Removals	5 d	0 d	0 d	Mon 4/24/23	Fri 10/6/23	Mon 4/24/23	Fri 10/6/23	Mon 4/24/23	Fri 10/6/23	51	Pivetta
53	Relocate Bus Shelter - Sta 27+45.48	3 d	0 d	0 d	Mon 4/24/23	Wed 4/26/23	Mon 4/24/23	Wed 4/26/23	Mon 4/24/23	Wed 4/26/23	5	Pivetta
54	<b>Temporary Channelization and Signalization - Sta 13+95 to 43+63.00</b>	<b>14 d</b>	<b>0 d</b>	<b>0 d</b>	<b>Wed 4/5/23</b>	<b>Mon 4/24/23</b>	<b>Wed 4/5/23</b>	<b>Mon 4/24/23</b>	<b>Wed 4/5/23</b>	<b>Mon 4/24/23</b>		
55	<b>Portable Temporary Signal System (SW Sunset/S 3rd St.) (2nd St.) (Airport Way/Renton Ave)</b>	<b>6 d</b>	<b>0 d</b>	<b>0 d</b>	<b>Wed 4/5/23</b>	<b>Wed 4/12/23</b>	<b>Wed 4/5/23</b>	<b>Wed 4/12/23</b>	<b>Wed 4/5/23</b>	<b>Wed 4/12/23</b>		
56	Pull Wire to Tie In Temp Signal	2 d	0 d	0 d	Wed 4/5/23	Thu 4/6/23	Wed 4/5/23	Thu 4/6/23	Wed 4/5/23	Thu 4/6/23	48	Golden Gate
57	Video Detection Camera Installation	1 d	0 d	0 d	Wed 4/12/23	Wed 4/12/23	Wed 4/12/23	Wed 4/12/23	Wed 4/12/23	Wed 4/12/23	56SS+2 d	Golden Gate
58	Install Portable Signal System	1 d	0 d	0 d	Wed 4/12/23	Wed 4/12/23	Wed 4/12/23	Wed 4/12/23	Wed 4/12/23	Wed 4/12/23	57	Golden Gate
59	Adjust and Modify Signals	1 d	0 d	0 d	Wed 4/12/23	Wed 4/12/23	Wed 4/12/23	Wed 4/12/23	Wed 4/12/23	Wed 4/12/23	58	Golden Gate
60	<b>Temporary Channelization - Sta 13+95 to 43+63.00</b>	<b>9 d</b>	<b>0 d</b>	<b>0 d</b>	<b>Wed 4/12/23</b>	<b>Mon 4/24/23</b>	<b>Wed 4/12/23</b>	<b>Mon 4/24/23</b>	<b>Wed 4/12/23</b>	<b>Mon 4/24/23</b>		
61	Install Stage 1 Construction Channelization and Striping - South of Airport Way	0 d	0 d	0 d	Wed 4/12/23	Wed 4/12/23	Wed 4/12/23	Wed 4/12/23	Wed 4/12/23	Wed 4/12/23	57,59,58,56,53,48FF	SPM
62	Install Stage 1 Construction Channelization and Striping - North of Airport Way	1 d	0 d	0 d	Mon 4/24/23	Mon 4/24/23	Mon 4/24/23	Mon 4/24/23	Mon 4/24/23	Mon 4/24/23	61	SPM
63	<b>Joint Utility Trench - Sta 15+25 to 42+85</b>	<b>241 d?</b>	<b>0 d?</b>	<b>0 d?</b>	<b>Tue 3/28/23</b>	<b>Fri 3/29/24</b>	<b>Tue 3/28/23</b>	<b>Fri 3/29/24</b>	<b>Tue 3/28/23</b>	<b>Fri 3/29/24</b>		
64	<b>JUT - Walgreens to Sansonia (Sections A, EE, AA) - Sta 15+25 to Sta 18+40</b>	<b>87 d</b>	<b>0 d</b>	<b>0 d</b>	<b>Tue 3/28/23</b>	<b>Mon 7/31/23</b>	<b>Tue 3/28/23</b>	<b>Mon 7/31/23</b>	<b>Tue 3/28/23</b>	<b>Mon 7/31/23</b>		
65	Receive Vaults and Conduits from Utilities	10 d	0 d	0 d	Tue 3/28/23	Mon 6/5/23	Tue 3/28/23	Mon 6/5/23	Tue 3/28/23	Mon 6/5/23	5,28	Utilities
66	Install Vaults	3.5 d	0 d	0 d	Thu 5/11/23	Wed 6/7/23	Thu 5/11/23	Wed 6/7/23	Thu 5/11/23	Wed 6/7/23	65,74,42	Pivetta - JUT
67	Install Conduits	34 d	0 d	0 d	Mon 6/12/23	Mon 7/31/23	Mon 6/12/23	Mon 7/31/23	Mon 6/12/23	Mon 7/31/23	66	Pivetta - JUT/Golden Gate/PSE - Ga
68	<b>JUT - Night/Stage 2 - Hertz/Lyft to Taco Time - Sta 14+21.6 to 18+40</b>	<b>104 d</b>	<b>0 d</b>	<b>0 d</b>	<b>Tue 3/28/23</b>	<b>Wed 8/23/23</b>	<b>Tue 3/28/23</b>	<b>Wed 8/23/23</b>	<b>Tue 3/28/23</b>	<b>Wed 8/23/23</b>		
69	Receive Vaults and Conduits from Utilities	6 d	0 d	0 d	Tue 3/28/23	Tue 5/30/23	Tue 3/28/23	Tue 5/30/23	Tue 3/28/23	Tue 5/30/23	28	Utilities
70	Install Vaults	2 d	0 d	0 d	Mon 7/31/23	Tue 8/1/23	Mon 7/31/23	Tue 8/1/23	Mon 7/31/23	Tue 8/1/23	69	Pivetta - JUT
71	Install Conduits	8 d	0 d	0 d	Mon 8/14/23	Wed 8/23/23	Mon 8/14/23	Wed 8/23/23	Mon 8/14/23	Wed 8/23/23	75,70	Pivetta - JUT/Golden Gate/PSE - Ga
72	<b>JUT - Night/Crossing - Watson Sec to Taco Time, Across 2nd St., Vacant to Metro PCS - Sta 18+40 to 20+10</b>	<b>108 d</b>	<b>0 d</b>	<b>0 d</b>	<b>Tue 3/28/23</b>	<b>Tue 8/29/23</b>	<b>Tue 3/28/23</b>	<b>Tue 8/29/23</b>	<b>Tue 3/28/23</b>	<b>Tue 8/29/23</b>		
73	Receive Vaults and Conduits from Utilities	10 d	0 d	0 d	Tue 3/28/23	Mon 6/5/23	Tue 3/28/23	Mon 6/5/23	Tue 3/28/23	Mon 6/5/23	28	Utilities
74	Install Vaults	12 d	0 d	0 d	Tue 6/20/23	Fri 7/7/23	Tue 6/20/23	Fri 7/7/23	Tue 6/20/23	Fri 7/7/23	73,42	Pivetta - JUT
75	Install Conduits	21 d	0 d	0 d	Tue 8/1/23	Tue 8/29/23	Tue 8/1/23	Tue 8/29/23				





ID	Task Name	Duration	Total Slack	Free Slack	Actual Start	Actual Finish	Early Start	Early Finish	Late Start	Late Finish	Predecessors	Text2	2023	2024	2025	2026
76	JUT - Night/Stage 2 - Vacant to Formula 1 Fast Lube - Sta 20+10 to 25+20	114 d	0 d	0 d	Tue 3/28/23	Thu 9/7/23	Tue 3/28/23	Thu 9/7/23	Tue 3/28/23	Thu 9/7/23						
77	Remove/Relocate Bus Shelter - Sta 24+59.90	4 d	0 d	0 d	Mon 6/12/23	Thu 6/15/23	Mon 6/12/23	Thu 6/15/23	Mon 6/12/23	Thu 6/15/23	5	Pivetta - JUT				
78	Receive Vaults and Conduits from Utilities	1 d	0 d	0 d	Tue 3/28/23	Wed 6/21/23	Tue 3/28/23	Wed 6/21/23	Tue 3/28/23	Wed 6/21/23	28	Utilities				
79	Install Vaults	4 d	0 d	0 d	Wed 8/30/23	Tue 9/5/23	Wed 8/30/23	Tue 9/5/23	Wed 8/30/23	Tue 9/5/23	78,77,70					
80	Install Conduits	6 d	0 d	0 d	Wed 8/30/23	Thu 9/7/23	Wed 8/30/23	Thu 9/7/23	Wed 8/30/23	Thu 9/7/23	79	Pivetta - JUT/Golden Gate/PSE - Ga				
81	JUT - Big Island Poke to Watson Security (Sections B, C, F, D, R, K, M, JJ, DD, LL, E, G, H, Z) - Sta 19+00 to 24+80	153 d	0 d	0 d	Tue 3/28/23	Fri 11/3/23	Tue 3/28/23	Fri 11/3/23	Tue 3/28/23	Fri 11/3/23						
82	Receive Vaults and Conduits from Utilities	1 d	0 d	0 d	Tue 3/28/23	Wed 6/21/23	Tue 3/28/23	Wed 6/21/23	Tue 3/28/23	Wed 6/21/23	28	Utilities				
83	Install Vaults (J07 Installed Last with RFI-072)	0 d	0 d	0 d	Mon 5/15/23	Mon 7/17/23	Mon 5/15/23	Mon 7/17/23	Mon 5/15/23	Mon 7/17/23	82,65,79	Pivetta - JUT				
84	Install Conduits	38 d	0 d	0 d	Mon 9/11/23	Fri 11/3/23	Mon 9/11/23	Fri 11/3/23	Mon 9/11/23	Fri 11/3/23						
85	Install Conduits	23 d	0 d	0 d	Mon 9/11/23	Fri 11/3/23	Mon 9/11/23	Fri 11/3/23	Mon 9/11/23	Fri 11/3/23	82,83,289,67,71,80	Pivetta - JUT/Golden Gate/PSE - Ga				
86	Contaminated Soils at STA 21+50	9 d	0 d	0 d	Thu 9/28/23	Tue 10/10/23	Thu 9/28/23	Tue 10/10/23	Thu 9/28/23	Tue 10/10/23	85SS					
87	JUT - Night/Power Crossting - Sta 23+80	3 d	0 d	0 d	Mon 10/2/23	Wed 10/4/23	Mon 10/2/23	Wed 10/4/23	Mon 10/2/23	Wed 10/4/23						
88	Install Conduits (Deleted Per FD)	3 d	0 d	0 d	Mon 10/2/23	Wed 10/4/23	Mon 10/2/23	Wed 10/4/23	Mon 10/2/23	Wed 10/4/23						
89	JUT - Victoria Street (CO-09)	8 d	0 d	0 d	Mon 11/20/23	Fri 12/1/23	Mon 11/20/23	Fri 12/1/23	Mon 11/20/23	Fri 12/1/23						
90	Install Conduits	8 d	0 d	0 d	Mon 11/20/23	Fri 12/1/23	Mon 11/20/23	Fri 12/1/23	Mon 11/20/23	Fri 12/1/23	95					
91	JUT - Watson Security to Renton Ave. Ext (NO PSE Gas) - Sta 24+80 to 31+90	238 d?	0 d?	0 d?	Tue 3/28/23	Tue 3/26/24	Tue 3/28/23	Tue 3/26/24	Tue 3/28/23	Tue 3/26/24						
92	Receive Vaults and Conduits from Utilities	1 d	0 d	0 d	Tue 3/28/23	Wed 6/21/23	Tue 3/28/23	Wed 6/21/23	Tue 3/28/23	Wed 6/21/23	28	Utilities				
93	Install Vaults	12 d	0 d	0 d	Tue 5/23/23	Tue 10/17/23	Tue 5/23/23	Tue 10/17/23	Tue 5/23/23	Tue 10/17/23	92,83,43	Pivetta - JUT				
94	Install Conduits	9 d?	0 d?	0 d?	Mon 11/6/23	Fri 11/17/23	Mon 11/6/23	Fri 11/17/23	Mon 11/6/23	Fri 11/17/23	93	Pivetta - JUT/Golden Gate/PSE - Ga				
95	Watson Security to Hayes	4 d	0 d	0 d	Mon 11/6/23	Fri 11/17/23	Mon 11/6/23	Fri 11/17/23	Mon 11/6/23	Fri 11/17/23	85					
96	Hayes to Renton Ave	4 d	0 d	0 d	Mon 12/4/23	Fri 1/5/24	Mon 12/4/23	Fri 1/5/24	Mon 12/4/23	Fri 1/5/24	95,90					
97	Contaminated Soil @ STA 28+75	2 d	0 d	0 d	Tue 12/12/23	Wed 12/13/23	Tue 12/12/23	Wed 12/13/23	Tue 12/12/23	Wed 12/13/23	96SS					
98	PSE Pole Removal and Installation - S. Tobin St. - Sta 501+51.37	2 d	0 d	0 d	Mon 3/25/24	Tue 3/26/24	Mon 3/25/24	Tue 3/26/24	Mon 3/25/24	Tue 3/26/24	94	PSE - Electric				
99	JUT - Night/Power Crossing - Tobin St, Sta 28+75 and 30+28	4 d	0 d	0 d	Wed 1/24/24	Mon 1/29/24	Wed 1/24/24	Mon 1/29/24	Wed 1/24/24	Mon 1/29/24						
100	Install Conduits	4 d	0 d	0 d	Wed 1/24/24	Mon 1/29/24	Wed 1/24/24	Mon 1/29/24	Wed 1/24/24	Mon 1/29/24	94,96,104	Pivetta - JUT/Golden Gate/PSE - Ga				
101	JUT - Night/Crossing Renton Ave Ext - Sta 31+90 to 33+00	194 d	0 d	0 d	Tue 3/28/23	Tue 1/23/24	Tue 3/28/23	Tue 1/23/24	Tue 3/28/23	Tue 1/23/24						
102	Receive Vaults and Conduits from Utilities	1 d	0 d	0 d	Tue 3/28/23	Wed 6/21/23	Tue 3/28/23	Wed 6/21/23	Tue 3/28/23	Wed 6/21/23	28	Utilities				
103	Install Vaults	4 d	0 d	0 d	Mon 10/2/23	Thu 10/5/23	Mon 10/2/23	Thu 10/5/23	Mon 10/2/23	Thu 10/5/23	102,62	Pivetta - JUT				
104	Install Conduits	7 d	0 d	0 d	Mon 1/8/24	Tue 1/23/24	Mon 1/8/24	Tue 1/23/24	Mon 1/8/24	Tue 1/23/24	102,103,96	Pivetta - JUT/Golden Gate/PSE - Ga				
105	JUT - Arco to Gerber Collision- Section P, U, V, W (No PSE Gas) - Sta 33+00 to 42+85	241 d	0 d	0 d	Tue 3/28/23	Fri 3/29/24	Tue 3/28/23	Fri 3/29/24	Tue 3/28/23	Fri 3/29/24						
106	Receive Vaults and Conduits from Utilities	1 d	0 d	0 d	Tue 3/28/23	Wed 6/21/23	Tue 3/28/23	Wed 6/21/23	Tue 3/28/23	Wed 6/21/23	28	Utilities				
107	Install Vaults	17 d	0 d	0 d	Wed 10/18/23	Fri 1/5/24	Wed 10/18/23	Fri 1/5/24	Wed 10/18/23	Fri 1/5/24	93,106,38	Pivetta - JUT				
108	Install Conduits	34 d	0 d	0 d	Mon 2/12/24	Fri 3/29/24	Mon 2/12/24	Fri 3/29/24	Mon 2/12/24	Fri 3/29/24	106,107,112	Pivetta - JUT/Golden Gate/PSE - Ga				
109	JUT - Night/Crossings - Sta 33+77, 36+17, 40+43	206 d	0 d	0 d	Tue 3/28/23	Thu 2/8/24	Tue 3/28/23	Thu 2/8/24	Tue 3/28/23	Thu 2/8/24						
110	Receive Vaults and Conduits from Utility Owner	1 d	0 d	0 d	Tue 3/28/23	Wed 6/21/23	Tue 3/28/23	Wed 6/21/23	Tue 3/28/23	Wed 6/21/23	28	Utilities				
111	Install Vaults	1 d	0 d	0 d	Wed 10/18/23	Wed 10/18/23	Wed 10/18/23	Wed 10/18/23	Wed 10/18/23	Wed 10/18/23	107SS,103,110	Pivetta - JUT				
112	Install Conduit	8 d	0 d	0 d	Tue 1/30/24	Thu 2/8/24	Tue 1/30/24	Thu 2/8/24	Tue 1/30/24	Thu 2/8/24	111,100	Pivetta - JUT/Golden Gate/PSE - Ga				
113	JUT - Utility Owner Work, Removals, Grounding/Bonding 15+25 to 42+85	172 d	57 d	57 d	Mon 10/2/23	NA	Mon 10/2/23	Tue 6/25/24	Mon 10/2/23	Mon 9/16/24						
114	Lumen/CenturyLink to Begin Work South of Victoria Street	0 d	0 d	0 d	Tue 1/23/24	Tue 1/23/24	Tue 1/23/24	Tue 1/23/24	Tue 1/23/24	Tue 1/23/24	94					
115	PSE Gas - Install 1-6" Gas Line & Connections to Main JUT across Rainier (Ends at HH/II in SW Victoria)	28 d	0 d	0 d	Mon 10/2/23	Thu 1/4/24	Mon 10/2/23	Thu 1/4/24	Mon 10/2/23	Thu 1/4/24	67SS	PSE - Gas				
116	Relocate Gas Line on Airport Way to Avoid Storm Drain	4 d	0 d	0 d	Mon 1/8/24	Thu 1/11/24	Mon 1/8/24	Thu 1/11/24	Mon 1/8/24	Thu 1/11/24						
117	Rem/Abandon Existing PSE Gas Main	60 d	82 d	82 d	Mon 10/2/23	NA	Mon 10/2/23	Fri 5/17/24	Mon 10/2/23	Mon 9/16/24	115SS	PSE - Gas				
118	PSE - Pull Wire (Power and Fiber) and Complete Connections	60 d	0 d	0 d	NA	NA	Mon 4/1/24	Tue 6/25/24	Mon 4/1/24	Tue 6/25/24	98,111,108	Utilities				
119	PSE - Install Transformers - V02A, V0X, V15A, V16A	60 d	0 d	0 d	NA	NA	Mon 4/1/24	Tue 6/25/24	Mon 4/1/24	Tue 6/25/24	118SS	PSE - Electric				
120	Lumen/Centurylink - Pull Wire and Complete Connections Project Wide	60 d	0 d	0 d	NA	NA	Mon 4/1/24	Tue 6/25/24	Mon 4/1/24	Tue 6/25/24	118SS,111,114,108	Centurylink				
121	Comcast - Pull Wire and Complete Connections	60 d	0 d	0 d	NA	NA	Mon 4/1/24	Tue 6/25/24	Mon 4/1/24	Tue 6/25/24	120SS,111,108	Comcast				
122	Remove Existing Vaults, Pedestals, and Risers	60 d	0 d	0 d	NA	NA	Mon 4/1/24	Tue 6/25/24	Mon 4/1/24	Tue 6/25/24	119SS,120SS,121SS	Utilities				
123	5G Small Cell Network Conduit System - Sta 14+65 to 41+55	23 d	0 d	0 d	Mon 10/2/23	Wed 11/1/23	Mon 10/2/23	Wed 11/1/23	Mon 10/2/23	Wed 11/1/23						
124	Trench and Conduit	21 d	0 d	0 d	Mon 10/2/23	Mon 10/30/23	Mon 10/2/23	Mon 10/30/23	Mon 10/2/23	Mon 10/30/23	67SS,108	Golden Gate				
125	Boxes	2 d	0 d	0 d	Tue 10/31/23	Wed 11/1/23	Tue 10/31/23	Wed 11/1/23	Tue 10/31/23	Wed 11/1/23	124	Golden Gate				
126	Water Line/Night - Sta 14+02 to 42+14.5	459 d	183 d	183 d	Mon 3/30/23	NA	Thu 3/30/23	Fri 2/21/25	Thu 3/30/23	Wed 11/12/25						
127	Stage 1 Bypass, Cut and Cap	116 d	0 d	0 d	Mon 4/17/23	Mon 10/2/23	Mon 4/17/23	Mon 10/2/23	Mon 4/17/23	Mon 10/2/23						
128	Cut and Cap Existing Waterline - Sta 15+55	4 d	0 d	0 d	Mon 4/17/23	Thu 4/20/23	Mon 4/17/23	Thu 4/20/23	Mon 4/17/23	Thu 4/20/23	42	Pivetta - Water/City of Renton Wat				
129	Cut and Cap Existing Waterline - Taco Time to Buddy's Home Furnishings - Sta 18+20 to 21+00	0 d	0 d	0 d	Mon 4/17/23	Mon 4/17/23	Mon 4/17/23	Mon 4/17/23	Mon 4/17/23	Mon 4/17/23	128,42	Pivetta - Water/City of Renton Wat				
130	Cut and Cap Existing Waterline - SW Victoria - Sta 25+00 (Deleted - Work Not Required)	1 d	0 d	0 d	Mon 10/2/23	Mon 10/2/23	Mon 10/2/23	Mon 10/2/23	Mon 10/2/23	Mon 10/2/23		Pivetta - Water/City of Renton Wat				
131	Cut and Cap Waterline - S. Tobin St. - Sta 28+60 (Deleted - Work Not Required)	1 d	0 d	0 d	Mon 10/2/23	Mon 10/2/23	Mon 10/2/23	Mon 10/2/23	Mon 10/2/23	Mon 10/2/23		Pivetta - Water/City of Renton Wat				
132	Water Line - Stage 1 - Sta 14+02.2 to 42+06.9 Rainier Ave, Sta 30+74.5 to 602+87.44 Airport Way	125 d	0 d	0 d	Tue 5/2/23	Mon 10/30/23	Tue 5/2/23	Mon 10/30/23	Tue 5/2/23	Mon 10/30/23						
133	Install Water Line and Appurtenances	28 d	0 d	0 d	Tue 5/2/23	Mon 10/30/23	Tue 5/2/23	Mon 10/30/23	Tue 5/2/23	Mon 10/30/23	62,129	Pivetta - Water				
134	FRPCS Concrete DMB (Deleted - Work Occurring with Water Line Install)	15 d	0 d	0 d	Mon 10/2/23	Fri 10/20/23	Mon 10/2/23	Fri 10/20/23	Mon 10/2/23	Fri 10/20/23		Pivetta - Water				
135	Pressure Testing, Polypig, Disinfect Water Line	88 d	0 d	0 d	Wed 6/21/23	Tue 10/24/23	Wed 6/21/23	Tue 10/24/23	Wed 6/21/23	Tue 10/24/23	133	Pivetta - Water				
136	Install Water Line Services and Meters	0 d	0 d	0 d	Thu 6/1/23	Thu 6/1/23	Thu 6/1/23	Thu 6/1/23	Thu 6/1/23	Thu 6/1/23	135	Pivetta - Water				
137	Install Hydrants	8 d	0 d	0 d	Wed 6/1/23	Wed 10/11/23	Thu 6/1/23	Wed 10/11/23	Thu 6/1/23	Wed 10/11/23	136	Pivetta - Water				
138	Abandon/Remove Existing Water Line	2 d	0 d	0 d	Thu 10/12/23	Fri 10/13/23	Thu 10/12/23	Fri 10/13/23	Thu 10/12/23	Fri 10/13/23	137	Pivetta - Water				
139	Water Line - Crossing - Taco Time to S. 2nd St. - Sta 18+49.0 & 18+49.0 to 19+31.9	244 d	325 d	325 d	Mon 3/30/23	NA	Thu 3/30/23	Fri 4/5/24	Thu 3/30/23	Wed 7/30/25						
140	Install Water Line and Appurtenances	2 d	0 d	0 d	Thu 5/11/23	Tue 5/23/23	Thu 5/11/23	Tue 5/23/23								



ID	Task Name	Duration	Total Slack	Free Slack	Actual Start	Actual Finish	Early Start	Early Finish	Late Start	Late Finish	Predecessors	Text2	2023	2024	2025	2026
152	Install Water Line and Appurtenances	28.87 d	0 d	0 d	Mon 10/16/23	Wed 1/24/24	Mon 10/16/23	Wed 1/24/24	Mon 10/16/23	Wed 1/24/24	150,146	Pivetta - Water				
153	FRPCS Concrete DMB	47 d	0 d	0 d	Thu 11/2/23	Wed 1/24/24	Thu 11/2/23	Wed 1/24/24	Thu 11/2/23	Wed 1/24/24	152	Pivetta - Water				
154	Install Polypig Station	46 d	0 d	0 d	Thu 11/2/23	Wed 1/24/24	Thu 11/2/23	Wed 1/24/24	Thu 11/2/23	Wed 1/24/24	153	Pivetta - Water				
155	Pressure Testing, Polypig, Disinfect Water Line	9 d	0 d	0 d	Wed 1/17/24	Tue 2/6/24	Wed 1/17/24	Tue 2/6/24	Wed 1/17/24	Tue 2/6/24	154	Pivetta - Water				
156	Install Water Line Services and Meters	0 d	0 d	0 d	Mon 1/8/24	Mon 1/8/24	Mon 1/8/24	Mon 1/8/24	Mon 1/8/24	Mon 1/8/24	155	Pivetta - Water				
157	Install Hydrants	0 d	0 d	0 d	Mon 1/8/24	Mon 1/8/24	Mon 1/8/24	Mon 1/8/24	Mon 1/8/24	Mon 1/8/24	156	Pivetta - Water				
158	Abandon/Remove Existing Water Line	5 d	166 d	66 d	NA	NA	Mon 4/1/24	Fri 4/5/24	Tue 11/26/24	Wed 12/4/24	157	Pivetta - Water				
159	<b>Stage 3 Bypass, Cut and Cap</b>	<b>3 d</b>	<b>400 d</b>	<b>400 d</b>	<b>NA</b>	<b>NA</b>	<b>Mon 4/1/24</b>	<b>Wed 4/3/24</b>	<b>Fri 11/7/25</b>	<b>Wed 11/12/25</b>						
160	<i>Cut and Cap - Formula 1 Fast Lube to S. Tobin St. - Sta 25+65 to 28+65 (DELETED)</i>	3 d	400 d	400 d	NA	NA	Mon 4/1/24	Wed 4/3/24	Fri 11/7/25	Wed 11/12/25		Pivetta - Water/City of Renton Wat				
161	<b>Water Line - Stage 3 - S. Tobin St. - Sta 28+58.6 to 28+61.6 (Performing with Stage 2)</b>	<b>89 d</b>	<b>116 d</b>	<b>116 d</b>	<b>Mon 11/6/23</b>	<b>NA</b>	<b>Mon 11/6/23</b>	<b>Mon 4/1/24</b>	<b>Mon 11/6/23</b>	<b>Mon 9/16/24</b>						
162	Install Water Line and Appurtenances	4 d	0 d	0 d	Mon 11/6/23	Thu 11/9/23	Mon 11/6/23	Thu 11/9/23	Mon 11/6/23	Thu 11/9/23	44	Pivetta - Water				
163	Pressure Testing, Polypig, Disinfect Water Line	10 d	0 d	0 d	Wed 1/17/24	Tue 2/6/24	Wed 1/17/24	Tue 2/6/24	Wed 1/17/24	Tue 2/6/24	162	Pivetta - Water				
164	Install Water Line Services and Meters	4 d	0 d	0 d	Mon 1/8/24	Wed 1/24/24	Mon 1/8/24	Wed 1/24/24	Mon 1/8/24	Wed 1/24/24	163	Pivetta - Water				
165	Install Hydrants	0 d	0 d	0 d	Mon 1/8/24	Mon 1/8/24	Mon 1/8/24	Mon 1/8/24	Mon 1/8/24	Mon 1/8/24	164	Pivetta - Water				
166	Abandon/Remove Existing Water Line and Bypass	1 d	116 d	116 d	NA	NA	Mon 4/1/24	Mon 4/1/24	Mon 4/1/24	Mon 9/16/24	165	Pivetta - Water				
167	<b>Install Hydrants in Conflict</b>	<b>213 d</b>	<b>69 d</b>	<b>69 d</b>	<b>NA</b>	<b>NA</b>	<b>Wed 4/10/24</b>	<b>Fri 2/21/25</b>	<b>Wed 12/4/24</b>	<b>Fri 5/30/25</b>						
168	<i>Hydrant at Walgreens (STA 16+54) - Sewer Conflict (RFI078)</i>	1 d	163 d	63 d	NA	NA	Wed 4/10/24	Wed 4/10/24	Wed 12/4/24	Wed 12/4/24	176					
169	<i>Blow Off at Gene Meyer (STA 20+25) - JUT/Storm Conflict/Sequence</i>	1 d	100 d	0 d	NA	NA	Thu 7/11/24	Thu 7/11/24	Wed 12/4/24	Wed 12/4/24	122,199					
170	<i>Hydrant at Autozone (STA 21+73) - JUT Conflict</i>	1 d	110 d	10 d	NA	NA	Wed 6/26/24	Wed 6/26/24	Wed 12/4/24	Wed 12/4/24	122					
171	<i>Hydrant at Watson (STA 24+24) - JUT Conflict</i>	1 d	110 d	10 d	NA	NA	Wed 6/26/24	Wed 6/26/24	Wed 12/4/24	Wed 12/4/24	122					
172	<i>Hydrant at Tommy's Café (STA 26+27.5) - adjust length after stg 1 chan</i>	1 d	69 d	68 d	NA	NA	Fri 2/21/25	Fri 2/21/25	Fri 5/30/25	Fri 5/30/25	365					
173	<b>Sewer - Sta 15+49.20 to 42+77.80</b>	<b>57 d</b>	<b>31 d</b>	<b>31 d</b>	<b>NA</b>	<b>NA</b>	<b>Mon 4/1/24</b>	<b>Thu 6/20/24</b>	<b>Tue 5/14/24</b>	<b>Wed 12/4/24</b>						
174	<b>Sewer - Night (Walgreens to Sansonina) - Sta 15+49.20 to 18+26.81</b>	<b>7 d</b>	<b>31 d</b>	<b>31 d</b>	<b>NA</b>	<b>NA</b>	<b>Mon 4/1/24</b>	<b>Tue 4/9/24</b>	<b>Tue 5/14/24</b>	<b>Wed 5/22/24</b>						
175	Remove/Replace Manholes and Install Sewer	5 d	31 d	0 d	NA	NA	Mon 4/1/24	Fri 4/5/24	Tue 5/14/24	Mon 5/20/24	138,39,108	Pivetta - Sewer				
176	Install New Side Sewer	2 d	31 d	0 d	NA	NA	Mon 4/8/24	Tue 4/9/24	Tue 5/21/24	Wed 5/22/24	175	Pivetta - Sewer				
177	<b>Sewer (Big Island Poke to Hayes PI SW) - Sta 19+63.58 to 25+43.57</b>	<b>5 d</b>	<b>31 d</b>	<b>31 d</b>	<b>NA</b>	<b>NA</b>	<b>Wed 4/10/24</b>	<b>Tue 4/16/24</b>	<b>Thu 5/23/24</b>	<b>Thu 5/30/24</b>						
178	Remove/Replace Manholes	5 d	31 d	0 d	NA	NA	Wed 4/10/24	Tue 4/16/24	Thu 5/23/24	Thu 5/30/24	176	Pivetta - Sewer				
179	<b>S. 2nd St. - Sta 19+64.16</b>	<b>3 d</b>	<b>31 d</b>	<b>31 d</b>	<b>NA</b>	<b>NA</b>	<b>Wed 4/17/24</b>	<b>Fri 4/19/24</b>	<b>Fri 5/31/24</b>	<b>Tue 6/4/24</b>						
180	Install Sewer and Manholes	3 d	31 d	0 d	NA	NA	Wed 4/17/24	Fri 4/19/24	Fri 5/31/24	Tue 6/4/24	178	Pivetta - Sewer				
181	<b>Sewer (Chevron to Advance Auto Tune) - Sta 28+55.98 to 42+77.80</b>	<b>10 d</b>	<b>31 d</b>	<b>31 d</b>	<b>NA</b>	<b>NA</b>	<b>Mon 4/22/24</b>	<b>Fri 5/3/24</b>	<b>Wed 6/5/24</b>	<b>Tue 6/18/24</b>						
182	Remove/Replace/Install Manholes	7 d	31 d	0 d	NA	NA	Mon 4/22/24	Tue 4/30/24	Wed 6/5/24	Thu 6/13/24	180	Pivetta - Sewer				
183	Install Sewer	3 d	31 d	0 d	NA	NA	Wed 5/1/24	Fri 5/3/24	Fri 6/14/24	Tue 6/18/24	182	Pivetta - Sewer				
184	<b>Sewer - Night/Side Street - SW Victoria - Sta 24+91.19</b>	<b>1 d</b>	<b>31 d</b>	<b>31 d</b>	<b>NA</b>	<b>NA</b>	<b>Mon 5/6/24</b>	<b>Mon 5/6/24</b>	<b>Thu 6/20/24</b>	<b>Thu 6/20/24</b>						
185	Remove/Replace Manholes	1 d	31 d	0 d	NA	NA	Mon 5/6/24	Mon 5/6/24	Thu 6/20/24	Thu 6/20/24	183	Pivetta - Sewer				
186	<b>Sewer - Night/Side Street - Hayes PI SW - Sta 25+43.57</b>	<b>1 d</b>	<b>31 d</b>	<b>31 d</b>	<b>NA</b>	<b>NA</b>	<b>Tue 5/7/24</b>	<b>Tue 5/7/24</b>	<b>Fri 6/21/24</b>	<b>Fri 6/21/24</b>						
187	Remove/Replace/Install Manholes	1 d	31 d	0 d	NA	NA	Tue 5/7/24	Tue 5/7/24	Fri 6/21/24	Fri 6/21/24	185	Pivetta - Sewer				
188	<b>Sewer - Night/Renton Ave Ext - Sta 32+81.14 to 31+60.06</b>	<b>2 d</b>	<b>31 d</b>	<b>31 d</b>	<b>NA</b>	<b>NA</b>	<b>Wed 5/8/24</b>	<b>Thu 5/9/24</b>	<b>Mon 6/24/24</b>	<b>Tue 6/25/24</b>						
189	Remove/Replace/Install Manholes	1 d	31 d	0 d	NA	NA	Wed 5/8/24	Wed 5/8/24	Mon 6/24/24	Mon 6/24/24	187	Pivetta - Sewer				
190	Install Sewer	1 d	31 d	0 d	NA	NA	Thu 5/9/24	Thu 5/9/24	Tue 6/25/24	Tue 6/25/24	189	Pivetta - Sewer				
191	<b>Install CIPP Lining</b>	<b>28 d</b>	<b>114 d</b>	<b>114 d</b>	<b>NA</b>	<b>NA</b>	<b>Fri 5/10/24</b>	<b>Thu 6/20/24</b>	<b>Wed 10/23/24</b>	<b>Wed 12/4/24</b>	<b>190</b>					
192	Install CIPP Lining (Big Island Poke to Hayes PI SW) - Sta 19+63.58 to 25+43.57	4 d	114 d	0 d	NA	NA	Fri 5/10/24	Wed 5/15/24	Wed 10/23/24	Mon 10/28/24	37,189	Insituform				
193	Install CIPP Lining (Chevron to Advance Auto Tune) - Sta 28+55.98 to 42+77.80	9 d	114 d	0 d	NA	NA	Thu 5/16/24	Wed 5/29/24	Tue 10/29/24	Fri 11/8/24	192,182	Insituform				
194	Install CIPP Lining (SW Victoria) - Sta 24+91.19	5 d	114 d	0 d	NA	NA	Thu 5/30/24	Wed 6/5/24	Tue 11/12/24	Mon 11/18/24	193,185	Insituform				
195	Install CIPP Lining (Hayes PI SW) - Sta 25+43.57	5 d	114 d	0 d	NA	NA	Thu 6/6/24	Wed 6/12/24	Tue 11/19/24	Mon 11/25/24	194,187	Insituform				
196	Install CIPP Lining (Renton Ave Ext) - Sta 32+81.14 to 31+60.06	5 d	114 d	14 d	NA	NA	Thu 6/13/24	Thu 6/20/24	Tue 11/26/24	Wed 12/4/24	189,195	Insituform				
197	<b>Storm Drainage - Sta 15+11.89 to 41+02.35</b>	<b>57 d</b>	<b>0 d</b>	<b>0 d</b>	<b>NA</b>	<b>NA</b>	<b>Wed 6/26/24</b>	<b>Mon 9/16/24</b>	<b>Wed 6/26/24</b>	<b>Wed 11/12/25</b>						
198	<b>Storm Drainage (Walgreens to Sansonina) - Sta 15+11.89 to 17+63.75</b>	<b>12 d</b>	<b>0 d</b>	<b>0 d</b>	<b>NA</b>	<b>NA</b>	<b>Wed 6/26/24</b>	<b>Fri 7/12/24</b>	<b>Wed 6/26/24</b>	<b>Fri 7/12/24</b>						
199	Install Drainage and Catch Basins	10 d	0 d	0 d	NA	NA	Wed 6/26/24	Wed 7/10/24	Wed 6/26/24	Wed 7/10/24	190,122	Pivetta - Storm				
200	<b>Storm Drainage - Night/Crossing - Sta 16+05.52</b>	<b>2 d</b>	<b>0 d</b>	<b>0 d</b>	<b>NA</b>	<b>NA</b>	<b>Thu 7/11/24</b>	<b>Fri 7/12/24</b>	<b>Thu 7/11/24</b>	<b>Fri 7/12/24</b>						
201	Install Drainage and Catch Basins	2 d	0 d	0 d	NA	NA	Thu 7/11/24	Fri 7/12/24	Thu 7/11/24	Fri 7/12/24	199	Pivetta - Storm				
202	<b>Storm Drainage (Big Island Poke to Watson Security) - Sta 18+54.92 to 23+32.67</b>	<b>24 d</b>	<b>0 d</b>	<b>0 d</b>	<b>NA</b>	<b>NA</b>	<b>Mon 7/15/24</b>	<b>Thu 8/15/24</b>	<b>Mon 7/15/24</b>	<b>Wed 11/12/25</b>						
203	Install Drainage and Catch Basins	13 d	0 d	0 d	NA	NA	Mon 7/15/24	Wed 7/31/24	Mon 7/15/24	Wed 7/31/24	201	Pivetta - Storm				
204	<b>Storm Drainage - S. 2nd St. - Night/Crossings, Stage 2 and 3 Work - Sta 19+07.53 to 22+07.86</b>	<b>11 d</b>	<b>0 d</b>	<b>0 d</b>	<b>NA</b>	<b>NA</b>	<b>Thu 8/1/24</b>	<b>Thu 8/15/24</b>	<b>Thu 8/1/24</b>	<b>Wed 11/12/25</b>						
205	Install Drainage and Catch Basins	10 d	0 d	0 d	NA	NA	Thu 8/1/24	Wed 8/14/24	Thu 8/1/24	Wed 8/14/24	201,203	Pivetta - Storm				
206	Install Filterra Unit	1 d	307 d	307 d	NA	NA	Thu 8/15/24	Thu 8/15/24	Wed 11/12/25	Wed 11/12/25	205	Pivetta - Storm				
207	<b>Storm Drainage - SW Victoria St. to Brown Bear Car Wash- Night/Crossing - Sta 24+70.79 to 26+65.08</b>	<b>8 d</b>	<b>0 d</b>	<b>0 d</b>	<b>NA</b>	<b>NA</b>	<b>Thu 8/15/24</b>	<b>Mon 8/26/24</b>	<b>Thu 8/15/24</b>	<b>Mon 8/26/24</b>						
208	Install Drainage and Catch Basins	8 d	0 d	0 d	NA	NA	Thu 8/15/24	Mon 8/26/24	Thu 8/15/24	Mon 8/26/24	205,122	Pivetta - Storm				
209	<b>Storm Drainage Brown Bear to Renton Laundry - Sta 26+65.08 to 35+53.35</b>	<b>29 d</b>	<b>14 d</b>	<b>14 d</b>	<b>NA</b>	<b>NA</b>	<b>Thu 8/1/24</b>	<b>Wed 9/11/24</b>	<b>Wed 8/21/24</b>	<b>Tue 9/23/25</b>						
210	Install Drainage and Catch Basins	11 d	14 d	0 d	NA	NA	Thu 8/1/24	Thu 8/15/24	Wed 8/21/24	Thu 9/5/24	203,115,118,119,120,121	Pivetta - Storm				
211	Install Filterra Units	3 d	269 d	0 d	NA	NA	Fri 8/16/24	Tue 8/20/24	Fri 9/19/25	Tue 9/23/25	210	Pivetta - Storm				
212	<b>Storm Drainage - Renton Ave Ext - Night/Crossing - Sta 31+39.02 to 33+02.08</b>	<b>11 d</b>	<b>0 d</b>	<b>0 d</b>	<b>NA</b>	<b>NA</b>	<b>Tue 8/27/24</b>	<b>Wed 9/11/24</b>	<b>Tue 8/27/24</b>	<b>Wed 9/11/24</b>						
213	Install Drainage and Catch Basins	11 d	0 d	0 d	NA	NA	Tue 8/27/24	Wed 9/11/24	Tue 8/27/24	Wed 9/11/24	208,115,118,119,120,121	Pivetta - Storm				
214	<b>Storm Drainage Mathewson's Automotive to Judo Boxing - Sta 37+84.90 to 41+02.35</b>	<b>4 d</b>	<b>14 d</b>	<b>14 d</b>	<b>NA</b>	<b>NA</b>	<b>Fri 8/16/24</b>	<b>Wed 8/21/24</b>	<b>Fri 9/6/24</b>	<b>Wed 9/11/24</b>						
215	Install Drainage and Catch Basins	4 d	14 d	14 d	NA											







ID	Task Name	Duration	Total Slack	Free Slack	Actual Start	Actual Finish	Early Start	Early Finish	Late Start	Late Finish	Predecessors	Text2	2023	2024	2025	2026
383	Install Filterra Unit	1 d	0 d	0 d	NA	NA	Fri 4/18/25	Fri 4/18/25	Fri 4/18/25	Fri 4/18/25	382	Pivetta - Sewer				
384	<b>Airport Way - Sta 33+17.81 to 601+64.04</b>	<b>6 d</b>	<b>0 d</b>	<b>0 d</b>	<b>NA</b>	<b>NA</b>	<b>Mon 4/21/25</b>	<b>Mon 4/28/25</b>	<b>Mon 4/21/25</b>	<b>Mon 4/28/25</b>						
385	Install Drainage and Catch Basins	5 d	0 d	0 d	NA	NA	Mon 4/21/25	Fri 4/25/25	Mon 4/21/25	Fri 4/25/25	383	Pivetta - Sewer				
386	Install Filterra Units	1 d	0 d	0 d	NA	NA	Mon 4/28/25	Mon 4/28/25	Mon 4/28/25	Mon 4/28/25	385	Pivetta - Sewer				
387	<b>N of Airport Way to S. of Nelson Pl. - Sta 36+15.83 to 38+57.60 - Night/Partial Stage 3</b>	<b>7 d</b>	<b>0 d</b>	<b>0 d</b>	<b>NA</b>	<b>NA</b>	<b>Tue 4/29/25</b>	<b>Wed 5/7/25</b>	<b>Tue 4/29/25</b>	<b>Wed 5/7/25</b>						
388	Install Drainage and Catch Basins	6 d	0 d	0 d	NA	NA	Tue 4/29/25	Tue 5/6/25	Tue 4/29/25	Tue 5/6/25	386	Pivetta - Sewer				
389	Install Filterra Units	1 d	0 d	0 d	NA	NA	Wed 5/7/25	Wed 5/7/25	Wed 5/7/25	Wed 5/7/25	388	Pivetta - Sewer				
390	<b>S. of Nelson Pl to End - Sta 37+91.23 to 41+72.60</b>	<b>11 d</b>	<b>0 d</b>	<b>0 d</b>	<b>NA</b>	<b>NA</b>	<b>Thu 5/8/25</b>	<b>Thu 5/22/25</b>	<b>Thu 5/8/25</b>	<b>Thu 5/22/25</b>						
391	Install Drainage and Catch Basins	8 d	0 d	0 d	NA	NA	Thu 5/8/25	Mon 5/19/25	Thu 5/8/25	Mon 5/19/25	389	Pivetta - Sewer				
392	Install Filterra Units	3 d	0 d	0 d	NA	NA	Tue 5/20/25	Thu 5/22/25	Tue 5/20/25	Thu 5/22/25	391	Pivetta - Sewer				
393	<b>Illumination - Sta 204+60 to 201+25, 133+50 to 42+08</b>	<b>146 d</b>	<b>0 d</b>	<b>0 d</b>	<b>NA</b>	<b>NA</b>	<b>Thu 2/6/25</b>	<b>Thu 9/4/25</b>	<b>Tue 4/8/25</b>	<b>Thu 9/4/25</b>						
394	<b>Decorative Illumination System</b>	<b>146 d</b>	<b>0 d</b>	<b>0 d</b>	<b>NA</b>	<b>NA</b>	<b>Thu 2/6/25</b>	<b>Thu 9/4/25</b>	<b>Tue 4/8/25</b>	<b>Thu 9/4/25</b>						
395	<b>Below Ground</b>	<b>33 d</b>	<b>42 d</b>	<b>42 d</b>	<b>NA</b>	<b>NA</b>	<b>Thu 2/6/25</b>	<b>Tue 3/25/25</b>	<b>Tue 4/8/25</b>	<b>Thu 5/22/25</b>						
396	Trench and Conduit	23 d	42 d	0 d	NA	NA	Thu 2/6/25	Tue 3/11/25	Tue 4/8/25	Thu 5/8/25	360	Golden Gate				
397	Foundations	24 d	42 d	0 d	NA	NA	Thu 2/6/25	Wed 3/12/25	Tue 4/8/25	Fri 5/9/25	396SS	Golden Gate				
398	Junction Boxes	9 d	42 d	0 d	NA	NA	Thu 3/13/25	Tue 3/25/25	Mon 5/12/25	Thu 5/22/25	397	Golden Gate				
399	<b>Above Ground</b>	<b>56 d</b>	<b>0 d</b>	<b>0 d</b>	<b>NA</b>	<b>NA</b>	<b>Mon 6/16/25</b>	<b>Thu 9/4/25</b>	<b>Mon 6/16/25</b>	<b>Thu 9/4/25</b>						
400	Set Poles	31 d	0 d	0 d	NA	NA	Mon 6/16/25	Wed 7/30/25	Mon 6/16/25	Wed 7/30/25	397,427	Golden Gate				
401	Install Lighting Wiring	20 d	0 d	0 d	NA	NA	Thu 7/31/25	Wed 8/27/25	Thu 7/31/25	Wed 8/27/25	398,400	Golden Gate				
402	Test and Turn On	2 d	0 d	0 d	NA	NA	Thu 8/28/25	Fri 8/29/25	Thu 8/28/25	Fri 8/29/25	400,401	Golden Gate				
403	Remove and Salvage Old Poles&Wiring	3 d	0 d	0 d	NA	NA	Tue 9/2/25	Thu 9/4/25	Tue 9/2/25	Thu 9/4/25	402	Golden Gate				
404	<b>Walls - Sta 18+53.50 to 33+39.60</b>	<b>25 d</b>	<b>68 d</b>	<b>68 d</b>	<b>NA</b>	<b>NA</b>	<b>Wed 3/26/25</b>	<b>Tue 4/29/25</b>	<b>Wed 7/2/25</b>	<b>Tue 10/21/25</b>						
405	<b>Wall 3 - CCFW and Modular Block Wall - Sta 300+54.06 to 301+10.11</b>	<b>15 d</b>	<b>68 d</b>	<b>68 d</b>	<b>NA</b>	<b>NA</b>	<b>Wed 3/26/25</b>	<b>Tue 4/15/25</b>	<b>Wed 7/2/25</b>	<b>Wed 7/23/25</b>						
406	Construct Concrete Fill Wall - Sta 17+53.50 to 18+48.48	5 d	68 d	0 d	NA	NA	Wed 3/26/25	Tue 4/1/25	Wed 7/2/25	Wed 7/9/25	398,360	WCCI				
407	Construct Modular Block Wall - Sta 300+54.05 to 301+10.11	10 d	68 d	0 d	NA	NA	Wed 4/2/25	Tue 4/15/25	Thu 7/10/25	Wed 7/23/25	406	Key West				
408	<b>Wall 4 - Modular Block Wall - Sta 21+11.76 to 21+59.62</b>	<b>5 d</b>	<b>68 d</b>	<b>68 d</b>	<b>NA</b>	<b>NA</b>	<b>Wed 4/16/25</b>	<b>Tue 4/22/25</b>	<b>Thu 7/24/25</b>	<b>Wed 7/30/25</b>						
409	Construct Modular Block Wall - Sta 21+11.76 to 21+59.62	5 d	68 d	30 d	NA	NA	Wed 4/16/25	Tue 4/22/25	Thu 7/24/25	Wed 7/30/25	407	Key West				
410	<b>Gateway Wall B - Sta 33+39.60 to 600+57.12</b>	<b>20 d</b>	<b>68 d</b>	<b>68 d</b>	<b>NA</b>	<b>NA</b>	<b>Wed 4/2/25</b>	<b>Tue 4/29/25</b>	<b>Thu 7/10/25</b>	<b>Tue 10/21/25</b>						
411	Construct Gateway Wall B	15 d	68 d	0 d	NA	NA	Wed 4/2/25	Tue 4/22/25	Thu 7/10/25	Wed 7/30/25	406	WCCI				
412	Install Decorative Cutouts and Skate Deterrent - Gateway Wall B	5 d	121 d	118 d	NA	NA	Wed 4/23/25	Tue 4/29/25	Wed 10/15/25	Tue 10/21/25	411	WCCI				
413	<b>Curb and Gutter - Sta 204+63.59 to 42+07.42</b>	<b>17 d</b>	<b>0 d</b>	<b>0 d</b>	<b>NA</b>	<b>NA</b>	<b>Fri 5/23/25</b>	<b>Tue 6/17/25</b>	<b>Fri 5/23/25</b>	<b>Thu 8/14/25</b>						
414	<b>Curb and Gutter - S. 3rd St. to S. 2nd St. - Sta 204+63.59 to 301+09.32</b>	<b>8 d</b>	<b>0 d</b>	<b>0 d</b>	<b>NA</b>	<b>NA</b>	<b>Fri 5/23/25</b>	<b>Wed 6/4/25</b>	<b>Fri 5/23/25</b>	<b>Wed 6/4/25</b>						
415	Grade/Prep Base/Place CSBC	4 d	0 d	0 d	NA	NA	Fri 5/23/25	Thu 5/29/25	Fri 5/23/25	Thu 5/29/25	392,166,369,371,398	Pivetta - Earthwork				
416	Form and Pour Curb and Gutter	4 d	0 d	0 d	NA	NA	Fri 5/30/25	Wed 6/4/25	Fri 5/30/25	Wed 6/4/25	415	WCCI				
417	<b>Curb and Gutter - S. 2nd St. to S. Tobin St. - Sta 19+57.82 to 28+61.93</b>	<b>6 d</b>	<b>0 d</b>	<b>0 d</b>	<b>NA</b>	<b>NA</b>	<b>Fri 5/30/25</b>	<b>Fri 6/6/25</b>	<b>Mon 6/2/25</b>	<b>Fri 6/6/25</b>						
418	Grade/Prep Base/Place CSBC	2 d	1 d	0 d	NA	NA	Fri 5/30/25	Mon 6/2/25	Mon 6/2/25	Fri 6/3/25	415,172	Pivetta - Earthwork				
419	Form and Pour Curb and Gutter	2 d	0 d	0 d	NA	NA	Thu 6/5/25	Fri 6/6/25	Thu 6/5/25	Fri 6/6/25	416,418	WCCI				
420	<b>Curb and Gutter - S. Tobin St. to Airport Way - Sta 28+61.93 to 604+36.35</b>	<b>11 d</b>	<b>1 d</b>	<b>1 d</b>	<b>NA</b>	<b>NA</b>	<b>Tue 6/3/25</b>	<b>Tue 6/17/25</b>	<b>Wed 6/4/25</b>	<b>Thu 8/14/25</b>						
421	Grade/Prep Base/Place CSBC	2 d	1 d	0 d	NA	NA	Tue 6/3/25	Wed 6/4/25	Wed 6/4/25	Wed 6/5/25	418	Pivetta - Earthwork				
422	Form and Pour Curb and Gutter	2 d	0 d	0 d	NA	NA	Mon 6/9/25	Tue 6/10/25	Mon 6/9/25	Tue 6/10/25	421,419	WCCI				
423	<b>Islands - Sta 31+86.30 to 601+03.49</b>	<b>5 d</b>	<b>40 d</b>	<b>40 d</b>	<b>NA</b>	<b>NA</b>	<b>Wed 6/11/25</b>	<b>Tue 6/17/25</b>	<b>Fri 8/8/25</b>	<b>Thu 8/14/25</b>						
424	Grade/Place CSBC/Place Island 1 - Airport Way	5 d	40 d	0 d	NA	NA	Wed 6/11/25	Tue 6/17/25	Fri 8/8/25	Thu 8/14/25	422	Pivetta - Earthwork				
425	<b>Curb and Gutter - Airport Way to End - Sta 603+57.87 to 42+07.42</b>	<b>7 d</b>	<b>0 d</b>	<b>0 d</b>	<b>NA</b>	<b>NA</b>	<b>Thu 6/5/25</b>	<b>Fri 6/13/25</b>	<b>Fri 6/6/25</b>	<b>Fri 6/13/25</b>						
426	Grade/Prep Base/Place CSBC	3 d	1 d	1 d	NA	NA	Thu 6/5/25	Mon 6/9/25	Fri 6/6/25	Tue 6/10/25	421	Pivetta - Earthwork				
427	Form and Pour Curb and Gutter	3 d	0 d	0 d	NA	NA	Wed 6/11/25	Fri 6/13/25	Wed 6/11/25	Fri 6/13/25	422,426	WCCI				
428	<b>Sidewalk - Sta 204+63.59 to 42+07.42</b>	<b>17 d</b>	<b>38 d</b>	<b>38 d</b>	<b>NA</b>	<b>NA</b>	<b>Thu 6/5/25</b>	<b>Tue 7/29/25</b>	<b>Thu 7/31/25</b>	<b>Tue 10/21/25</b>						
429	<b>Sidewalk - S. 3rd St. to S. 2nd St. - Sta 204+63.59 to 301+09.32</b>	<b>37 d</b>	<b>38 d</b>	<b>38 d</b>	<b>NA</b>	<b>NA</b>	<b>Thu 6/5/25</b>	<b>Mon 6/30/25</b>	<b>Thu 7/31/25</b>	<b>Fri 8/29/25</b>						
430	Grade/Prep Base/Place CSBC - Sidewalk and Driveway Approaches	5 d	38 d	0 d	NA	NA	Thu 6/5/25	Wed 6/11/25	Thu 7/31/25	Wed 8/6/25	144,416,365,406,407,409,411,461	Pivetta - Earthwork				
431	FRPCS - Sidewalk and Driveway Approaches	8 d	38 d	0 d	NA	NA	Mon 6/16/25	Thu 6/26/25	Mon 8/11/25	Wed 8/20/25	430SS+2 d,427	WCCI				
432	Grade/Form/Pour - Curb Ramps/Install DWS - S. 3rd St. - Sta 12+12.51 to 201+45.07	2 d	43 d	5 d	NA	NA	Fri 6/27/25	Mon 6/30/25	Thu 8/28/25	Fri 8/29/25	431	WCCI				
433	Grade/Form/Pour - Curb Ramps/Install DWS - S. 3rd St. - Sta 200+78.57 to 14+00.41	2 d	43 d	5 d	NA	NA	Fri 6/27/25	Mon 6/30/25	Thu 8/28/25	Fri 8/29/25	431	WCCI				
434	Grade/Form/Pour - Curb Ramps/Install DWS - S. 2nd St. - Sta 18+48.51 to 19+08.79	2 d	43 d	5 d	NA	NA	Fri 6/27/25	Mon 6/30/25	Thu 8/28/25	Fri 8/29/25	431	WCCI				
435	<b>Sidewalk - S. 2nd St. to S. Tobin St. - Sta 19+57.82 to 28+61.93</b>	<b>17 d</b>	<b>38 d</b>	<b>38 d</b>	<b>NA</b>	<b>NA</b>	<b>Thu 6/12/25</b>	<b>Tue 7/8/25</b>	<b>Thu 8/7/25</b>	<b>Tue 10/21/25</b>						
436	Grade/Prep Base/Place CSBC - Sidewalk and Driveway Approaches	5 d	38 d	0 d	NA	NA	Thu 6/12/25	Wed 6/18/25	Thu 8/7/25	Wed 8/13/25	430	Pivetta - Earthwork				
437	FRPCS - Sidewalk and Driveway Approaches	5 d	38 d	0 d	NA	NA	Fri 6/27/25	Thu 7/3/25	Thu 8/21/25	Wed 8/27/25	436,431,442	WCCI				
438	Grade/Form/Pour - Curb Ramps/Install DWS - S. 2nd St. - Sta 19+55.68 to 20+08.13	2 d	38 d	0 d	NA	NA	Mon 7/7/25	Tue 7/8/25	Thu 8/28/25	Fri 8/29/25	437	WCCI				
439	Grade/Form/Pour - Curb Ramps/Install DWS - Midblock Crosswalk - Sta 25+40.51 to 25+47.25	2 d	38 d	0 d	NA	NA	Mon 7/7/25	Tue 7/8/25	Thu 8/28/25	Fri 8/29/25	437	WCCI				
440	Grade/Form/Pour - Curb Ramps/Install DWS - S. Tobin St. - Sta 27+93.39 to 500+74.79	2 d	38 d	0 d	NA	NA	Mon 7/7/25	Tue 7/8/25	Thu 8/28/25	Fri 8/29/25	437	WCCI				
441	<b>Bus Shelter - Sta 24+59.90</b>	<b>6 d</b>	<b>38 d</b>	<b>38 d</b>	<b>NA</b>	<b>NA</b>	<b>Fri 6/20/25</b>	<b>Fri 6/27/25</b>	<b>Thu 8/14/25</b>	<b>Tue 10/21/25</b>						
442	FRPCS Bus Shelter Footings	5 d	38 d	0 d	NA	NA	Fri 6/20/25	Thu 6/26/25	Thu 8/14/25	Wed 8/20/25	436	WCCI				
443	Install Bus Shelter	1 d	80 d	77 d	NA	NA	Fri 6/27/25	Fri 6/27/25	Tue 10/21/25	Tue 10/21/25	442	Pivetta				
444	<b>Sidewalk - S. Tobin St. to Airport Way</b>	<b>5 d</b>	<b>39 d</b>	<b>39 d</b>	<b>NA</b>	<b>NA</b>	<b>Fri 6/20/25</b>	<b>Thu 6/26/25</b>	<b>Fri 8/15/25</b>	<b>Mon 8/25/25</b>						
445	Grade/Prep Base/Place CSBC - Sidewalk and Driveway Approaches	4 d	39 d	0 d	NA	NA	Fri 6/20/25	Wed 6/25/25	Fri 8/15/25	Wed 8/20/25	436	Pivetta - Earthwork				
446	FRPCS - Sidewalk and Driveway Approaches	4 d	41 d	2 d	NA	NA	Mon 6/23/25	Thu 6/26/25	Wed 8/20/25	Mon 8/25/25	445SS+1 d	WCCI				
447																

