

Contract 009896

Provisions and Plans

For Construction of:

SR 534

MP 0.49 TO MP 0.69

UNNAMED TRIBUTARY TO CARPENTER CREEK FISH PASSAGE

SKAGIT COUNTY

A STATE PROJECT



Washington State
Department of Transportation

ASC 2024 Competition:

Bid Close: Thursday, February 08, 2024 at 9:30pm

SVBE & MWBE Goals can be omitted for your submission, as this will not be a requirement for the Problem.

Addendum #1 Changes:

- (One) 1 Working Day added to Contractor
- 24 Hours added to the SR534 Full Roadway Closure

Department of Transportation
Olympia, Washington 98504
November 18, 2022

ATTENTION: All Bidders and Planholders

SR 534
UNNAMED TRIBUTARY TO CARPENTER
CREEK
FISH PASSAGE
22A021/9896

Addendum No. 1

The Special Provisions, Plans, and Proposal for this project are amended as follows:

Special Provisions

1. On page 12, line 22 through line 39 is deleted.
2. On page 33 at line 48, the following is inserted:

Section 1-10.2 is supplemented with the following:

(November 2, 2022)

Work Zone Safety Contingency

Enhancements to improve the effectiveness of the accepted traffic control plans to increase the safety of the work zones shall be discussed on a weekly basis between the Contractor and the Contracting Agency. Enhancements shall be mutually agreed upon by the Contractor and Engineer prior to performing any Work to implement the enhancement.

Enhancements do not include the use of Uniformed Police Officers or WSP, address changes to the allowed work hour restrictions, or changes to the staging plans in the Contract (if applicable). If allowed by the Engineer, these items will be addressed in accordance with Section 1-04.4.

The Contractor shall be solely responsible for submitting any traffic control plan revision to implement the enhancement in accordance with Section 1-10.2(2).

3. On page 38, line 23 through line 28 is deleted and replaced with the following:

(November 2, 2022)

The Bid Proposal contains the item "Project Temporary Traffic Control," lump sum and the additional temporary traffic control items listed below. The provisions of Section 1-10.4(1), Section 1-10.4(3), and Section 1-10.5(3) shall apply.

"Work Zone Safety Contingency", by force account.

*** Construction Signs Class A ***

- 1
2 4. On page 38 at line 29, the following is inserted:
3

4 **Payment**

5
6 **Item Bids with Lump Sum for Incidentals**
7

8 Section 1-10.5(2) is supplemented with the following:
9

10 (November 2, 2022)

11 "Work Zone Safety Contingency", by force account.
12

13 All costs as authorized by the Engineer will be paid for by force account as
14 specified in Section 1-09.6.
15

16 For purpose of providing a common proposal for all bidders, the Contracting
17 Agency has entered an amount for the item "Work Zone Safety Contingency" in
18 the Proposal to become a part of the Contractor's total bid.
19

20 The Engineer may choose to use existing bid items for the implementation of the
21 agreed upon enhancement.
22

- 23 5. On page 41, line 9 through line 16 is deleted and replaced with the following:
24

25 The lump sum Contract price for "Removal of Structures and Obstructions" shall
26 be full payment for performing the Work as specified, including furnishing the
27 backfill material, backfilling, and compacting the voids created from culvert, pipe,
28 drainage structure, fence, gate, and conduit; and all other removals, as specified.
29

- 30 6. On page 41, line 49 through page 42, line 5 is deleted and replaced with the following:
31

32 Roadway Excavation Incl. Haul	205 C.Y.
33 Structure Excavation Cl. A Incl. Haul	1,150 C.Y.
34 Channel Excavation Incl. Haul	2,530 C.Y.
35 Embankment Compaction	230 C.Y.
36 Gravel Borrow Incl. Haul	440 Ton
37 Gravel Backfill for Walls	5,170 Ton
38 Crushed Surfacing Base Course (CDBS No.1)	260 Ton
39 Lightweight Volcanic Backfill Incl. Haul	1,625 Ton

40

- 41 7. On page 43 at line 31, the following is inserted:
42

43 **Construction Geosynthetic**

44
45 **Materials**
46

47 Section 2-12.2 is supplemented with the following:
48

49 "Geosynthetic Base Reinforcement" material shall meet the requirements of
50 Section 9-33 and shall be chosen from the WSDOT Qualified Products List
51 Appendix D. The "Geosynthetic Base Reinforcement" shall have a long-term
52 tensile strength (T_a) that meets or exceeds 5,000 Lb/Ft.

Construction Requirements

Section 2-12.3 is supplemented with the following:

“Geosynthetic Base Reinforcement” shall follow the guidelines of this Section and be installed per Manufacturer’s requirements.

Measurement

Section 2-12.4 is supplemented with the following:

“Geosynthetic Base Reinforcement” will be measured by the square yard for the ground surface area actually covered.

Payment

Section 2-12.5 is supplemented with the following:

“Geosynthetic Base Reinforcement”, per square yard.

8. On page 65, line 19 is deleted and replaced with the following:

Temporary dewatering system Type 3E Working Drawings and supporting design calculations

9. On page 68, line 4 through page 74, line 15 is deleted.

10. On page 79, line 48 through page 80, line 44 is deleted.

11. On page 81, line 49-50 is deleted.

12. On page 84 at line 17, the following is inserted:

Illumination, Traffic Signal Systems, Intelligent Transportation Systems, and Electrical

Materials

Illumination, Signal, Electrical

Conduit, Innerduct, and Outerduct

Rigid Metal Conduit Fittings and Appurtenances

Section 9-29.1(2) is supplemented with the following:

(NWR ESP August 25, 2020)

Conduit Coatings

Electroplated couplings are not allowed.

(NWR ESP August 25, 2020)

Surface Mounting Conduit Attachment Components

Channel supports and all fastening hardware components shall be Type 304 stainless steel. Conduit clamps shall be one piece, two bolt units with lock washers.

Junction Boxes, Cable Vaults, and Pull Boxes

Cover Markings

Section 9-29.2(4) is supplemented with the following:

(NWR ESP August 25, 2020)

Junction Box Identification

Junction boxes shall be marked "WSDOT" when the junction boxes are to be installed as part of a future raceway system in a bridge structure, vehicle barrier, pedestrian barrier, or roadway crossing and the future raceway system is not connected to an illumination, signal, interconnect, or ITS raceway system.

Construction Requirements

Junction Boxes, Cable Vaults, and Pull boxes

Section 8-20.3(6) is supplemented with the following:

(NWR ESP August 25, 2020)

Unless otherwise noted in the Plans or approved by the Engineer, junction boxes, cable vaults and pull boxes shall not be placed within the traveled way or paved shoulders.

All junction boxes, cable vaults, and pull boxes placed within the traveled way or paved shoulders shall be heavy-duty.

Wiring shall not be pulled into any conduit until all associated junction boxes have been adjusted to, or installed in, their final grade and location, unless installation is necessary to maintain system operation. If wire is installed for this reason, sufficient slack shall be left to allow for future adjustment.

Prior to installing new cables or reinstalling existing cables into new or existing cable vaults, pull boxes or junction boxes, the cable vault, pull box or junction box shall be cleaned of all dirt and debris.

When junction boxes, cable vaults and pull boxes are installed or adjusted prior to construction of finished grade, pre-molded joint filler for expansion joints may be placed around the junction boxes, cable vaults and pull boxes. The joint filler shall be removed prior to adjustment to finished grade.

When junction boxes, cable vaults or pull boxes are adjusted to finished grade, the six-inch gravel pad requirements shall be maintained. When existing junction boxes pull boxes or cable vaults do not have this gravel pad, or the gravel pad does not meet these Specifications, a gravel pad, meeting these Specifications shall be installed as part of the adjustment to finished grade.

Heavy-duty Type 4, 5 and 6 junction boxes, cable vaults and pull boxes shall be installed in accordance with the following:

1. Excavation shall be sufficient to leave one foot in the clear between their outer surface and the earth bank.
2. Junction boxes, cable vaults and pull boxes shall be installed on a level 6-inch layer of crushed surfacing top course, in accordance with Section 9-03.9(3), placed on a compacted or undisturbed foundation. The crushed surfacing shall be compacted in accordance with Section 2-09.3(1)E.
3. After installation, the lid/cover shall be kept bolted down during periods when Work is not actively in progress at the junction box, cable vault or pull box.
4. Before closing the lid/cover, the lid/cover and the frame/ring shall be thoroughly brushed and cleaned of all debris. There shall be absolutely no visible dirt, sand or other foreign matter between the bearing surfaces.
5. When the lid/cover is closed for the final time, a liberal coating of anti-seize compound shall be applied to the bolts and nuts and the lid shall be securely tightened.
6. Hinges on the Type 4, 5 and 6 junction boxes shall be located on the side of the box, to allow the lid to open away from traffic. Hinges shall allow the lid to open 180 degrees.

Payment

Section 8-20.5 is supplemented with the following:

(NWR ESP August 25, 2020)

All costs for conduit, junction boxes, and associated hardware and fittings installed on or within a structural item (wall, bridge, or barrier) shall be included in the respective lump sum Bid item for Work on the associated electrical or conduit system.

Temporary Stream Diversion

Construction Requirements

General

General TSD Requirements

Section 8-31.3(1)A is supplemented with the following:

(October 3, 2022)

Minimum Stream Flows

At all times of operation, the Contractor's temporary stream diversion shall be designed to convey the following minimum flow rate of water in cubic feet per second:

1
2 *** 4 ***
3

4 (October 3, 2022)

5 **Minimum Stream Flows (Contingency System)**

6 A Contingency System is required for this Project. The Contractor's contingency
7 system shall be designed to convey the following minimum flow rate of water in
8 cubic feet per second:
9

10 *** 7 ***
11

12 **Plans**

- 13
14 1. Plan Sheets 1, 4-8, 15, 36-39 are revised, clouded, shaded, and noted.
15 2. Plan Sheet 39A (IL1) is added.
16

17 **Proposal**

- 18
19 1. On page 2, Bid Item 21 name is revised.
20 2. On page 6, Bid Item 75-78 are added.
21

22 Bidders shall furnish the Secretary of Transportation with evidence of the receipt of this
23 addendum. This addendum will be incorporated in the Contract when awarded and when
24 formally executed.
25

26 **Mark Gaines, P.E.**
27 **State Design Engineer**
28
29

30 **Attachment:**

31 Shoots 1, 2A, 4-8, 15, 36-39, 39A of the Plans (Rev. 11-08-2022)
32 Page 2 and 6 of the Proposal (Rev. 11-09-22)

P R O P O S A L

TO THE SECRETARY OF
TRANSPORTATION
OLYMPIA, WASHINGTON

DATE: 11/10/2022
TIME: 12:06
DOT_RGG600

ITEM NO.	PLAN QUANTITY	ITEM DESCRIPTION (STANDARD ITEM NUMBER)	PRICE PER UNIT DOLLARS	TOTAL AMOUNT DOLLARS
PREPARATION				
1	LUMP SUM	MOBILIZATION (0001)	LUMP SUM	
2	0.63 ACRE	CLEARING AND GRUBBING (0025)	AT PER. ACRE	
3	LUMP SUM	REMOVAL OF STRUCTURES AND OBSTRUCTIONS (0050)	LUMP SUM	
4	25. LIN. FT.	REMOVING GUARDRAIL (0170)	AT PER. LIN. FT.	
5	1. EACH	REMOVING GUARDRAIL ANCHOR (0182)	AT PER. EACH	
GRADING				
6	LUMP SUM	EARTHWORK ()	LUMP SUM	
DRAINAGE				
7	100. TON	STREAMBED SAND ()	AT PER. TON	
8	1,340. TON	STREAMBED SEDIMENT (1093)	AT PER. TON	
9	770. TON	STREAMBED COBBLES 12 IN. (0904)	AT PER. TON	
10	50. TON	STREAMBED BOULDER TYPE ONE (0906)	AT PER. TON	
11	10. TON	AQUITARD ()	AT PER. TON	
12	LUMP SUM	STREAMBED TEST SECTION ()	LUMP SUM	

ITEM NO.	PLAN QUANTITY	ITEM DESCRIPTION (STANDARD ITEM NUMBER)	PRICE PER UNIT DOLLARS	TOTAL AMOUNT DOLLARS
DRAINAGE				
13	6. TON	QUARRY SPALLS (1086)	AT PER. TON	
14	1. EACH	FLARED END SECTION 30 IN. DIAM. (1105)	AT PER. EACH	
15	LUMP SUM	TEMPORARY STREAM DIVERSION (3075)	LUMP SUM	
16	ESTIMATED	FISH EXCLUSION (3076)	ESTIMATED	5,000.00
17	4. EACH	WOODY MATERIAL - LOG WITHOUT ROOTWAD DBH 1.5 FT. ()	AT PER. EACH	
18	19. EACH	WOODY MATERIAL - LOG WITH ROOTWAD DBH 2.0 FT. ()	AT PER. EACH	
19	40. EACH	WOODY MATERIAL - LOG WITH ROOTWAD DBH 1.5 FT. ()	AT PER. EACH	
20	10. CU. YD.	SLASH ()	AT PER. CU. YD.	
21	ESTIMATED	ADDITIONAL STREAMBED GRADING ()	ESTIMATED	5,000.00

STRUCTURE				
22	LUMP SUM	SHORING OR EXTRA EXCAVATION CL. A FOR CDBS NO. 1 (4013)	LUMP SUM	
23	CALCULATED	DEFICIENT STRENGTH CONC. PRICE ADJUSTMENT (4219)	CALCULATED	-1.00
24	LUMP SUM	CONTRACTOR DESIGNED BURIED STRUCTURE NO. 1 (4335)	LUMP SUM	
25	55. SQ. YD.	WATERPROOF MEMBRANE BR. NO. CDBS NO.1 (4455)	AT PER. SQ. YD.	

ITEM NO.	PLAN QUANTITY	ITEM DESCRIPTION (STANDARD ITEM NUMBER)	PRICE PER UNIT DOLLARS	TOTAL AMOUNT DOLLARS
SURFACING				
26	107. TON	CRUSHED SURFACING BASE COURSE (5100)	AT PER. TON	
HOT MIX ASPHALT				
27	140. SQ. YD.	PLANING BITUMINOUS PAVEMENT (5711)	AT PER. SQ. YD.	
28	194. TON	HMA CL. 1/2 IN. PG 58H-22 (5767)	AT PER. TON	
29	CALCULATED	JOB MIX COMPLIANCE PRICE ADJUSTMENT (5830)	CALCULATED	1,746.00
30	CALCULATED	COMPACTION PRICE ADJUSTMENT (5835)	CALCULATED	2,910.00
31	CALCULATED	ASPHALT COST PRICE ADJUSTMENT (5837)	CALCULATED	965.00
EROSION CONTROL AND ROADSIDE PLANTING				
32	3,025. LIN. FT.	COMPOST SOCK FOR SOIL STABILIZATION ()	AT PER. LIN. FT.	
33	63. LIN. FT.	PLANTED COMPOST SOCK ()	AT PER. LIN. FT.	
34	LUMP SUM	EROSION CONTROL AND WATER POLLUTION PREVENTION (6488)	LUMP SUM	
35	1,462. SQ. YD.	SEEDING, FERTILIZING AND MULCHING (6431)	AT PER. SQ. YD.	
36	35. EACH	PLANT SELECTION SMALL FRUITED BULRUSH (3-4 IN. PLUG) (6550)	AT PER. EACH	
37	35. EACH	PLANT SELECTION SLOUGH SEDGE (3-4 IN. PLUG) (6550)	AT PER. EACH	
38	35. EACH	PLANT SELECTION SALMONBERRY (NO. 1 CONT.) (6550)	AT PER. EACH	

ITEM NO.	PLAN QUANTITY	ITEM DESCRIPTION (STANDARD ITEM NUMBER)	PRICE PER UNIT DOLLARS	TOTAL AMOUNT DOLLARS
EROSION CONTROL AND ROADSIDE PLANTING				
39	35. EACH	PLANT SELECTION PACIFIC NINEBARK (NO. 1 CONT.) (6550)	AT PER. EACH	
40	35. EACH	PLANT SELECTION DOUGLAS SPIREA (NO. 1 CONT.) (6550)	AT PER. EACH	
41	868. LIN. FT.	BRUSH LAYER (6558)	AT PER. LIN. FT.	
42	632. LIN. FT.	FASCINES (6553)	AT PER. LIN. FT.	
43	1,462. SQ. YD.	FINE COMPOST (6483)	AT PER. SQ. YD.	
44	274. SQ. YD.	SOIL AMENDMENT (6530)	AT PER. SQ. YD.	
45	268. SQ. YD.	BARK OR WOOD CHIP MULCH (6580)	AT PER. SQ. YD.	
46	6. EACH	BARK OR WOOD CHIP MULCH RINGS (6578)	AT PER. EACH	
47	140. LIN. FT.	HIGH VISIBILITY FENCE (6630)	AT PER. LIN. FT.	
48	910. LIN. FT.	HIGH VISIBILITY SILT FENCE (6635)	AT PER. LIN. FT.	
49	LUMP SUM	ENVIRONMENTAL COMPLIANCE LEAD (6404)	LUMP SUM	
50	268. SQ. YD.	SOIL DECOMPACTION ()	AT PER. SQ. YD.	
51	158. LIN. FT.	TRENCH PLANTINGS ()	AT PER. LIN. FT.	
52	ESTIMATED	FORCE ACCOUNT SELECTIVE CLEARING AND PRUNING ()	ESTIMATED	10,000.00

ITEM NO.	PLAN QUANTITY	ITEM DESCRIPTION (STANDARD ITEM NUMBER)	PRICE PER UNIT DOLLARS	TOTAL AMOUNT DOLLARS
TRAFFIC				
53	25. LIN. FT.	BEAM GUARDRAIL TYPE 31 - 9 FT. LONG POST (6712)	AT PER. LIN. FT.	
54	75. LIN. FT.	BEAM GUARDRAIL TYPE 31 (6757)	AT PER. LIN. FT.	
55	4. EACH	BEAM GUARDRAIL TRANSITION SECTION TYPE 24 (6760)	AT PER. EACH	
56	3. EACH	BEAM GUARDRAIL TYPE 31 NON-FLARED TERMINAL (6719)	AT PER. EACH	
57	430. LIN. FT.	PAINT LINE (6806)	AT PER. LIN. FT.	
58	2. EACH	PLASTIC DRAINAGE MARKING (6881)	AT PER. EACH	
59	0.03 HUNDRED	RAISED PAVEMENT MARKER TYPE 2 (6884)	AT PER. HUNDRED	
60	150. LIN. FT.	TEMPORARY PAVEMENT MARKING-SHORT DURATION (6895)	AT PER. LIN. FT.	
61	LUMP SUM	PROJECT TEMPORARY TRAFFIC CONTROL (6971)	LUMP SUM	
62	72. SQ. FT.	CONSTRUCTION SIGNS CLASS A (6982)	AT PER. SQ. FT.	
OTHER ITEMS				
63	LUMP SUM	TYPE B PROGRESS SCHEDULE (7003)	LUMP SUM	
64	1. EACH	PLUGGING EXISTING PIPE (7029)	AT PER. EACH	
65	LUMP SUM	STRUCTURE SURVEYING (7037)	LUMP SUM	
66	LUMP SUM	ROADWAY SURVEYING (7038)	LUMP SUM	

ITEM NO.	PLAN QUANTITY	ITEM DESCRIPTION (STANDARD ITEM NUMBER)	PRICE PER UNIT DOLLARS	TOTAL AMOUNT DOLLARS
OTHER ITEMS				
67	ESTIMATED	ROADSIDE CLEANUP (7480)	ESTIMATED	1,000.00
68	ESTIMATED	REIMBURSEMENT FOR THIRD PARTY DAMAGE (7725)	ESTIMATED	5.00
69	CALCULATED	MINOR CHANGE (7728)	CALCULATED	-1.00
70	CALCULATED	AGGREGATE COMPLIANCE PRICE ADJUSTMENT (7732)	CALCULATED	-1.00
71	LUMP SUM	SPCC PLAN (7736)	LUMP SUM	
72	150. SQ. YD.	GEOMEMBRANE LINER ()	AT PER. SQ. YD.	
73	LUMP SUM	DEWATERING PLAN ()	LUMP SUM	
74	LUMP SUM	TEMPORARY DEWATERING SYSTEM ()	LUMP SUM	
75	LUMP SUM	ILLUMINATION SYSTEM (6904)	LUMP SUM	
76	ESTIMATED	WORK ZONE SAFETY CONTINGENCY (7572)	ESTIMATED	25,000.00
77	905. SQ. YD.	CONSTRUCTION GEOTEXTILE FOR SOIL STABILIZATION (7552)	AT PER. SQ. YD.	
78	425. SQ. YD.	GEOSYNTHETIC BASE REINFORCEMENT ()	AT PER. SQ. YD.	
CONTRACT TOTAL:				\$