

CRP No. 2144
 RAP Project No. 2108-01
 Federal-Aid No. STPR-G211(001)
 Federal Contract No. TA-5900
 Redd Highway 603 Stabilization Project
 January 31, 2017

Scarsella Bros. Inc.
 P.O. Box 68697
 Seattle, WA 98168-0697
 (253) 872-7173

Sterling Breen Crushing, Inc.
 887 State Route 507
 Centralia, WA 98531
 (360) 736-4240

Tapani, Inc.
 1904 SE 6th Pl.
 Battleground, WA 98604
 (360) 687-1148

Wildish Standard Paving Co.
 P.O. Box 40310
 Eugene, OR 97404
 (541) 485-1700

Engineers Estimate

TOTAL BID													
1	MOBILIZATION	1	L.S.	255,000.00	4,493,714.21	275,000.00	4,640,700.13	484,000.00	4,965,997.50	503,000.00	5,031,481.30	221,908.50	4,586,768.65
2	CLEARING AND GRUBBING	14.1	ACRE	8,000.00	112,800.00	4,500.00	63,450.00	10,000.00	141,900.00	9,000.00	126,900.00	5,500.00	77,550.00
3	REMOVAL OF STRUCTURE AND OBSTRUCTION	1	L.S.	34,000.00	34,000.00	20,000.00	20,000.00	10,000.00	10,000.00	13,000.00	13,000.00	5,500.00	5,500.00
4	REMOVING GUARDRAIL	1,137	L.F.	5.00	5,685.00	9.61	10,926.57	9.00	10,233.00	4.00	4,548.00	4.40	5,002.80
5	REMOVING WIRE FENCE	606	L.F.	6.25	3,787.50	6.25	3,787.50	1.50	909.00	3.00	1,818.00	3.30	1,999.80
6	ROADWAY EXCAVATION INCL. HAUL	34,283	C.Y.	11.00	377,113.00	14.00	479,962.00	14.00	479,962.00	15.00	514,245.00	11.55	399,968.65
7	SELECT BORROW INCL. HAUL	39,868	TON	13.40	534,231.20	14.50	678,086.00	14.00	568,152.00	13.50	638,218.00	15.40	613,987.20
8	EMBANKMENT COMPACTION	2,945	C.Y.	3.00	8,835.00	2.00	5,890.00	3.00	8,835.00	5.00	14,725.00	5.50	16,197.50
9	ROCK FOR EROSION AND SCOUR PROTECTION CL. A	575	TON	30.80	17,595.00	28.00	14,950.00	30.00	17,250.00	33.00	18,975.00	16.50	9,487.50
10	DITCH EXCAVATION INCL. HAUL	13	C.Y.	20.00	260.00	90.00	1,170.00	55.00	715.00	50.00	650.00	16.50	214.50
11	CHANNEL EXCAVATION INCL. HAUL	1,963	C.Y.	15.60	30,622.80	11.00	21,593.00	20.00	39,260.00	16.00	31,408.00	22.00	43,186.00
12	DROP INLET TYPE 1	2	EA	2,800.00	5,200.00	3,600.00	7,200.00	2,500.00	5,000.00	2,100.00	4,200.00	4,125.00	8,250.00
13	DROP INLET TYPE 2	1	EA	3,000.00	3,000.00	4,000.00	4,000.00	3,900.00	3,900.00	2,400.00	2,400.00	4,400.00	4,400.00
14	COMBINATION INLET	2	EA	1,750.00	3,500.00	750.00	1,500.00	1,700.00	3,400.00	2,100.00	4,200.00	2,530.00	5,060.00
15	QUARRY SPALLS	2,917	TON	23.50	69,549.50	22.00	64,174.00	22.00	64,174.00	28.00	75,842.00	27.50	80,217.50
16	UNDERDRAIN PIPE 4 IN. DIAM.	547	L.F.	13.00	7,111.00	13.00	7,111.00	8.00	4,376.00	25.00	13,675.00	15.40	8,423.80
17	DRAIN PIPE 4 IN. DIAM.	31	L.F.	20.00	620.00	26.00	806.00	20.00	620.00	28.00	968.00	15.40	477.40
18	DRAIN PIPE 8 IN. DIAM.	13	L.F.	30.00	390.00	35.00	455.00	33.00	429.00	30.00	360.00	22.00	286.00
19	SCHEDULE A CULV. PIPE 18 IN. DIAM. (FROM STOCKPILE)	504	L.F.	38.00	19,152.00	31.50	15,876.00	29.00	14,616.00	40.00	20,160.00	27.50	13,880.00
20	SCHEDULE A CULV. PIPE 24 IN. DIAM. (FROM STOCKPILE)	24	L.F.	50.00	1,200.00	46.00	1,104.00	59.00	1,416.00	80.00	1,920.00	60.50	1,452.00
21	PLAIN CONC. CULV. PIPE 18 IN. DIAM. (FROM STOCKPILE)	54	L.F.	45.00	2,430.00	43.00	2,322.00	62.00	3,348.00	68.00	3,672.00	44.00	2,376.00
22	CL. III REINF. CONC. CULV. PIPE 36 IN. DIAM.	64	L.F.	175.00	11,200.00	170.00	10,880.00	180.00	11,520.00	190.00	12,160.00	220.00	14,080.00
23	CL. IV REINF. CONC. CULV. PIPE 12 IN. DIAM.	252	L.F.	56.40	14,212.80	41.50	10,458.00	80.00	20,160.00	65.00	16,380.00	33.00	8,316.00
24	CL. IV REINF. CONC. CULV. PIPE 18 IN. DIAM. (FROM STOCKPILE)	152	L.F.	44.40	7,814.40	33.00	5,016.00	67.00	11,792.00	70.00	12,320.00	38.50	6,776.00
25	CL. V REINF. CONC. CULV. PIPE 18 IN. DIAM. (FROM STOCKPILE)	176	L.F.	44.40	7,814.40	33.00	5,808.00	67.00	11,792.00	70.00	12,320.00	38.50	6,776.00
26	CL. V REINF. CONC. CULV. PIPE 24 IN. DIAM.	61	L.F.	98.10	5,862.10	94.00	5,734.00	89.00	5,429.00	100.00	6,100.00	44.00	2,684.00
27	PLAIN ST. CULV. PIPE ARCH 0.064 IN. TH. 21 IN. SPAN	64	L.F.	160.00	10,240.00	134.00	8,576.00	175.00	11,200.00	140.00	8,960.00	71.50	4,576.00
28	PRECAST REINF. CONC. SPLIT BOX CULV. 8' SPAN X 1' RISE	1	L.S.	100,000.00	100,000.00	75,000.00	75,000.00	80,000.00	80,000.00	100,000.00	100,000.00	11,000.00	11,000.00
29	MANHOLE RING & COVER AND ADJUSTMENT	1	EA.	1,015.00	1,015.00	1,800.00	1,800.00	1,300.00	1,300.00	1,000.00	1,000.00	440.00	440.00
30	CATCH BASIN TYPE 1L	18	EA.	1,575.00	28,350.00	1,200.00	21,600.00	1,400.00	25,200.00	1,400.00	25,200.00	1,650.00	29,700.00
31	CATCH BASIN TYPE 2, 48 IN. DIAM.	15	EA.	2,600.00	39,000.00	2,050.00	30,750.00	2,600.00	39,000.00	3,200.00	48,000.00	3,025.00	45,375.00
32	CATCH BASIN TYPE 2, 54 IN. DIAM. (POND OUTLET STRUCTURE)	3	EA.	5,750.00	17,250.00	6,100.00	18,300.00	6,500.00	19,500.00	7,300.00	21,900.00	6,800.00	19,800.00
33	CATCH BASIN TYPE 2, 72 IN. DIAM. (POND OUTLET STRUCTURE)	1	EA.	8,150.00	8,150.00	6,075.00	6,075.00	7,800.00	7,800.00	8,300.00	8,300.00	8,800.00	8,800.00
34	CATCH BASIN TYPE 2, 60 IN. DIAM. (2-FLOW SPLITTER)	3	EA.	7,300.00	21,900.00	6,250.00	18,750.00	5,000.00	15,000.00	6,400.00	19,200.00	7,700.00	23,100.00
35	TESTING STORM SEWER PIPE	4,462	L.F.	4.00	17,848.00	1.00	4,462.00	1.00	4,462.00	2.00	8,924.00	0.55	2,454.10
36	PLAN CONC. STORM SEWER PIPE 24 IN. DIAM.	48	L.F.	100.00	4,800.00	87.00	4,176.00	76.00	3,648.00	80.00	3,840.00	55.00	2,640.00
37	CL. V REINF. CONC. STORM SEWER PIPE 12 IN. DIAM.	351	L.F.	56.40	19,786.40	47.00	16,497.00	59.00	20,739.00	62.00	21,762.00	49.50	17,374.50
38	CL. V REINF. CONC. STORM SEWER PIPE 18 IN. DIAM. (FROM STOCKPILE)	2,072	L.F.	44.40	91,996.80	28.00	58,016.00	38.00	78,736.00	55.00	113,960.00	33.00	68,376.00
39	SCHEDULE A STORM SEWER PIPE 12 IN. DIAM.	83	L.F.	43.10	3,577.30	45.00	3,735.00	42.00	3,486.00	60.00	4,980.00	44.00	3,652.00
40	SCHEDULE A STORM SEWER PIPE 18 IN. DIAM. (FROM STOCKPILE)	1,830	L.F.	38.00	69,540.00	26.00	47,580.00	35.00	64,050.00	53.00	96,990.00	44.00	80,520.00
41	SCHEDULE A STORM SEWER PIPE 24 IN. DIAM. (FROM STOCKPILE)	78	L.F.	50.00	3,900.00	53.50	4,173.00	60.00	3,900.00	60.00	4,800.00	66.00	5,148.00
42	GRATE INLET TYPE 1	3	EA.	2,800.00	8,400.00	2,400.00	7,200.00	2,500.00	7,500.00	2,500.00	7,500.00	4,400.00	24,700.00
43	BOSWALE SPECIAL STRUCTURES	1	L.S.	5,000.00	5,000.00	10,000.00	10,000.00	6,000.00	6,000.00	35,000.00	35,000.00	4,400.00	4,400.00
44	STRUCTURAL EARTH WALL	2,242	S.F.	22.00	49,324.00	20.00	44,840.00	26.00	58,292.00	30.00	67,260.00	22.00	49,324.00

45	CRUSHED SURFACING BASE COURSE	31,794	TON	13.45	427,629.30	15.50	492,807.00	16.00	508,704.00	16.25	516,852.50	16.50	524,601.00
46	CRUSHED SURFACING TOP COURSE	8,461	TON	15.00	126,766.00	17.50	147,882.50	20.00	169,020.00	18.00	152,118.00	19.80	167,328.80
47	SHOULDER FINISHING	3.47	MILE	2,100.00	7,287.00	8,650.00	30,015.50	6,000.00	20,820.00	8,500.00	29,495.00	8,250.00	28,827.50
48	HMA CL. 1/2 IN. PG 64-22	7,435	TON	76.00	656,060.00	80.75	600,376.25	87.00	646,845.00	76.00	565,080.00	93.50	695,172.50
49	HMA FOR APPROACH CL. 1/2 IN. PG 64-22	491	TON	145.00	71,196.00	134.00	65,794.00	153.00	75,123.00	135.00	66,286.00	110.00	64,010.00
50	SILT FENCE	10,245	L.F.	4.50	46,102.50	10.00	102,460.00	3.00	30,735.00	3.00	30,735.00	6.60	67,617.00
51	ESC. LEAD	301	DAY	250.00	7,500.00	550.00	16,500.00	50.00	1,500.00	100.00	3,000.00	220.00	6,600.00
52	TOPSOIL TYPE A	142	C.Y.	38.00	5,396.00	42.00	5,964.00	52.00	7,384.00	50.00	7,100.00	49.50	7,029.00
53	SEEDING, FERTILIZING, AND MULCHING	14.1	ACRE	3,000.00	42,300.00	4,550.00	64,155.00	5,500.00	77,550.00	5,265.00	74,236.50	3,575.00	50,407.50
54	BIODEGRADABLE EROSION CONTROL BLANKET	8,450	S.Y.	3.50	29,575.00	3.00	25,350.00	4.00	33,800.00	2.00	16,900.00	5.50	48,475.00
55	CHECKDAM	1,140	L.F.	4.00	4,560.00	5.50	6,270.00	6.00	6,840.00	4.00	4,560.00	13.75	15,675.00
56	WATTLE	1,610	L.F.	4.00	6,440.00	4.00	6,440.00	3.50	5,635.00	4.00	6,440.00	3.30	5,313.00
57	SOD INSTALLATION	255	S.Y.	10.20	2,601.00	11.00	2,805.00	12.00	3,060.00	12.00	3,060.00	33.00	8,415.00
58	EROSION CONTROL AT CULVERT ENDS	14	EA.	175.00	2,450.00	140.00	1,960.00	1,000.00	14,000.00	150.00	2,100.00	275.00	3,850.00
59	MITIGATION PLANTING	1	L.S.	25,700.00	25,700.00	32,120.00	32,120.00	18,000.00	18,000.00	25,000.00	25,000.00	33,000.00	33,000.00
60	COMPOST AMENDED VEGETATED FILTER STRIPS	5,308	S.Y.	4.00	21,232.00	2.00	10,616.00	15.00	79,620.00	10.00	53,080.00	11.00	53,080.00
61	BEAM GUARDRAIL TYPE 31 - 9 FT. LONG POST	5,130.75	L.F.	35.75	183,424.31	35.75	133,424.31	36.00	184,707.00	26.00	133,399.50	33.00	169,314.75
62	BEAM GUARDRAIL TYPE 31 - 11 FT. LONG POST	275	L.F.	47.50	13,082.50	47.50	13,082.50	90.00	24,750.00	30.00	8,250.00	44.00	12,100.00
63	BEAM GUARDRAIL TYPE 31 NON-FLARED TERMINAL	8	EA.	3,000.00	24,000.00	3,000.00	24,000.00	3,400.00	27,200.00	2,700.00	21,600.00	2,475.00	19,800.00
64	EXTRUDED CURB	4,062	L.F.	6.15	24,918.80	6.75	27,351.00	7.00	28,364.00	7.00	28,364.00	11.00	44,572.00
65	BEAM GUARDRAIL TYPE 31	112.50	L.F.	27.00	3,037.50	27.00	3,037.50	27.00	3,037.50	24.00	2,700.00	33.00	3,712.50
66	BEAM GUARDRAIL TYPE 31 TRANSITION SECTION TYPE 21	2	EA.	4,500.00	9,000.00	4,500.00	4,500.00	4,500.00	9,000.00	4,000.00	8,000.00	3,575.00	7,150.00
67	BEAM GUARDRAIL TYPE 31 ANCHOR TYPE 10	12	EA.	1,150.00	13,800.00	1,150.00	13,800.00	1,800.00	21,600.00	600.00	7,200.00	890.00	10,560.00
68	PAINT LINE	23,740	L.F.	0.23	5,460.20	0.25	5,935.00	0.25	5,935.00	0.50	11,870.00	0.28	6,847.20
69	FLEXIBLE GUIDE POST (WW)	125	EA.	40.00	5,000.00	42.00	5,260.00	40.00	5,000.00	40.00	5,000.00	41.25	5,156.25
70	PLASTIC STOP LINE	95	L.F.	15.00	1,425.00	16.50	1,567.50	17.00	1,615.00	17.00	1,615.00	22.00	2,090.00
71	REGESSED PAVEMENT MARKER (ZYY)	12	HUND.	2,200.00	2,640.00	2,420.00	2,904.00	2,500.00	3,000.00	2,200.00	2,640.00	5,500.00	6,600.00
72	PERMANENT SIGNING	1	L.S.	16,000.00	16,000.00	24,603.00	24,603.00	13,000.00	13,000.00	20,000.00	20,000.00	8,360.00	8,360.00
73	PROJECT TEMPORARY TRAFFIC CONTROL	1	L.S.	332,655.00	332,655.00	250,000.00	250,000.00	160,000.00	160,000.00	195,000.00	137,500.00	137,500.00	137,500.00
74	CONSTRUCTION SIGNS CLASS A	409	S.F.	20.00	8,180.00	19.50	7,975.50	15.00	6,135.00	20.00	8,180.00	36.50	15,746.50
75	STRUCTURE EXCAVATION CLASS A INCL. HAUL	609	C.Y.	16.00	9,744.00	14.00	8,528.00	18.00	19,962.00	40.00	24,360.00	27.50	16,747.50
76	STRUCTURE EXCAVATION CLASS B INCL. HAUL	21,153	C.Y.	11.60	245,374.80	12.00	253,896.00	11.00	123,683.00	10.00	211,530.00	11.00	232,683.00
77	SHORING OR EXTRA EXCAVATION CLASS B	15,544	S.F.	0.30	4,663.20	1.50	23,316.00	0.50	7,772.00	1.70	26,424.80	1.10	17,098.40
78	GRAVEL BACKFILL FOR DRAIN	105	C.Y.	50.00	5,250.00	22.50	2,362.50	22.00	2,310.00	80.00	6,300.00	55.00	5,775.00
79	WATER	2,400	M GAL	30.00	72,000.00	30.00	72,000.00	37.00	88,800.00	40.00	96,000.00	16.50	39,600.00
80	COMMERCIAL CONCRETE	3	C.Y.	1,000.00	3,000.00	400.00	1,200.00	1,000.00	3,000.00	3,300.00	9,900.00	220.00	660.00
81	ST. REINF. BAR	53	L.B.	5.00	265.00	105.00	5,265.00	5.00	265.00	20.00	1,060.00	16.50	874.50
82	WIRE FENCE TYPE 2	1,110	L.F.	7.25	8,047.50	10.00	11,100.00	7.00	7,770.00	8.00	8,880.00	8.80	9,768.00
83	DOUBLE WIRE GATE 20 FT.	1	EA.	3,200.00	3,200.00	3,000.00	3,000.00	2,500.00	2,500.00	2,000.00	2,000.00	1,320.00	1,320.00
84	ACCESS CONTROL GATE	3	EA.	7,500.00	7,500.00	2,400.00	7,200.00	2,500.00	7,500.00	1,500.00	4,500.00	1,540.00	4,620.00
85	TRIMMING AND CLEANUP	1	L.S.	5,000.00	5,000.00	10,000.00	10,000.00	2,500.00	2,500.00	10,000.00	10,000.00	11,000.00	11,000.00
86	CONSTRUCTION GEOTEXTILE FOR SEPARATION	4,130	S.Y.	2.50	10,325.00	2.00	8,260.00	1.50	6,195.00	3.00	12,300.00	5.50	9,065.00
87	CONSTRUCTION GEOTEXTILE FOR UNDERGROUND DRAINAGE	110	S.Y.	4.00	440.00	4.00	440.00	2.00	220.00	300.00	4,500.00	385.00	5,775.00
88	MAIL BOX SUPPORT TYPE 1	15	E.A.	400.00	6,000.00	465.00	6,975.00	350.00	5,250.00	300.00	30,000.00	27.50	27,500.00
89	GRAVEL BORROW FOR STRUCTURAL EARTH WALL INCL. HAUL	1,000	TON	15.00	15,000.00	19.50	19,500.00	12.00	12,000.00	30.00	30,000.00	0.00	0.00
90	FORCE ACCOUNT UNSUITABLE SUBGRADE REMOVAL	0	EST.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
91	REIMBURSEMENT FOR THIRD PARTY DAMAGE	0	EST.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92	MINOR CHANGE	1	CALC.	25,000.00	25,000.00	25,000.00	25,000.00	25,000.00	25,000.00	25,000.00	25,000.00	25,000.00	25,000.00
93	SPCC PLAN	1	L.S.	1,500.00	1,500.00	1,000.00	1,000.00	500.00	500.00	100.00	100.00	2,750.00	2,750.00

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 January 31, 2017

TOTAL BID

1	MOBILIZATION	1	L.S.	441,077.80	441,077.80	520,000.00	520,000.00	290,000.00	290,000.00	0.00	221,908.50	221,908.50
2	CLEARING AND GRUBBING	14.1	ACRE	5,500.00	77,550.00	5,000.00	70,500.00	7,500.00	105,750.00	0.00	5,500.00	77,550.00
3	REMOVAL OF STRUCTURE AND OBSTRUCTION	1	L.S.	48,000.00	48,000.00	25,000.00	25,000.00	65,000.00	65,000.00	0.00	5,500.00	5,500.00
4	REMOVING GUARDRAIL	1,137	L.F.	3.10	3,524.70	8.00	9,096.00	7.00	7,669.00	0.00	4.40	5,002.80
5	REMOVING WIRE FENCE	806	L.F.	4.00	2,424.00	8.00	4,848.00	7.00	4,242.00	0.00	3.30	1,999.80
6	ROADWAY EXCAVATION INCL. HAUL	34,283	C.Y.	16.50	565,669.50	13.00	445,679.00	18.00	617,694.00	0.00	11.55	395,966.65
7	SELECT BORROW INCL. HAUL	39,868	TON	15.50	617,954.00	16.00	837,888.00	20.00	797,860.00	0.00	15.40	613,967.20
8	EMBANKMENT COMPACTION	2,945	C.Y.	8.00	23,560.00	3.50	10,307.50	5.00	14,725.00	0.00	5.50	16,197.50
9	ROCK FOR EROSION AND SCOUR PROTECTION CL. A	575	TON	29.00	16,675.00	30.00	17,250.00	45.00	25,875.00	0.00	16.50	9,487.50
10	DITCH EXCAVATION INCL. HAUL	13	C.Y.	100.00	1,300.00	20.00	280.00	300.00	3,900.00	0.00	16.50	214.50
11	CHANNEL EXCAVATION INCL. HAUL	1,963	C.Y.	17.00	33,371.00	20.00	39,280.00	31.00	60,683.00	0.00	22.00	43,186.00
12	DROP INLET TYPE 1	2	EA.	3,700.00	7,400.00	2,250.00	4,500.00	4,750.00	9,500.00	0.00	4,125.00	8,250.00
13	DROP INLET TYPE 2	1	EA.	5,000.00	5,000.00	1,900.00	1,900.00	4,750.00	4,750.00	0.00	4,400.00	4,400.00
14	COMBINATION INLET	2	EA.	2,000.00	4,000.00	1,500.00	3,000.00	3,200.00	6,400.00	0.00	2,530.00	5,060.00
15	QUARRY SPALLS	2,917	TON	21.00	61,267.00	30.00	87,510.00	24.00	70,008.00	0.00	27.50	80,217.50
16	UNDERDRAIN PIPE 4 IN. DIAM.	547	L.F.	7.50	4,102.50	8.00	4,376.00	20.00	10,940.00	0.00	15.40	8,423.80
17	DRAIN PIPE 4 IN. DIAM.	31	L.F.	21.00	651.00	19.00	589.00	13.00	403.00	0.00	15.40	477.40
18	DRAIN PIPE 8 IN. DIAM.	13	L.F.	36.00	468.00	20.00	260.00	20.00	280.00	0.00	22.00	286.00
19	SCHEDULE A CULV. PIPE 18 IN. DIAM. (FROM STOCKPILE)	504	L.F.	37.00	18,648.00	30.00	15,120.00	53.00	26,712.00	0.00	27.50	13,880.00
20	SCHEDULE A CULV. PIPE 24 IN. DIAM. (FROM STOCKPILE)	24	L.F.	94.00	2,256.00	40.00	980.00	80.00	1,920.00	0.00	60.50	1,452.00
21	PLAIN CONC. CULV. PIPE 18 IN. DIAM. (FROM STOCKPILE)	54	L.F.	71.00	3,834.00	40.00	2,160.00	99.00	5,346.00	0.00	44.00	2,376.00
22	CL. III REINF. CONC. CULV. PIPE 36 IN. DIAM.	64	L.F.	193.00	12,352.00	110.00	7,040.00	119.00	7,616.00	0.00	220.00	14,080.00
23	CL. IV REINF. CONC. CULV. PIPE 12 IN. DIAM.	282	L.F.	76.00	19,152.00	50.00	12,600.00	56.00	14,112.00	0.00	33.00	8,316.00
24	CL. IV REINF. CONC. CULV. PIPE 18 IN. DIAM. (FROM STOCKPILE)	152	L.F.	67.00	10,184.00	18.00	2,736.00	86.00	13,072.00	0.00	33.00	5,016.00
25	CL. V REINF. CONC. CULV. PIPE 24 IN. DIAM. (FROM STOCKPILE)	176	L.F.	67.00	11,792.00	18.00	3,168.00	86.00	15,136.00	0.00	38.50	6,776.00
26	CL. V REINF. CONC. CULV. PIPE 36 IN. DIAM.	61	L.F.	132.00	8,652.00	80.00	4,880.00	142.00	7,930.00	0.00	44.00	2,894.00
27	PLAIN ST. CULV. PIPE ARCH 0.064 IN. TH. 21 IN. SPAN	64	L.F.	144.00	9,216.00	135.00	8,640.00	142.00	9,096.00	0.00	71.50	4,576.00
28	PRECAST REINF. CONC. SPLIT BOX CULV. 8' SPAN x 1' RISE	1	L.S.	97,000.00	97,000.00	180,000.00	180,000.00	100,500.00	100,500.00	0.00	11,000.00	11,000.00
29	MANHOLE RING & COVER AND ADJUSTMENT	1	EA.	500.00	500.00	675.00	675.00	1,200.00	1,200.00	0.00	440.00	440.00
30	CATCH BASIN TYPE 1L	18	EA.	1,830.00	32,940.00	1,400.00	25,200.00	1,800.00	32,400.00	0.00	1,850.00	29,700.00
31	CATCH BASIN TYPE 2, 48 IN. DIAM.	16	EA.	3,850.00	57,750.00	2,700.00	40,500.00	4,000.00	60,000.00	0.00	3,025.00	45,375.00
32	CATCH BASIN TYPE 2, 54 IN. DIAM. (POND OUTLET STRUCTURE)	3	EA.	6,300.00	18,900.00	6,500.00	19,500.00	9,000.00	27,000.00	0.00	6,800.00	19,800.00
33	CATCH BASIN TYPE 2, 72 IN. DIAM. (POND OUTLET STRUCTURE)	1	EA.	8,000.00	8,000.00	6,000.00	6,000.00	9,000.00	9,000.00	0.00	8,800.00	8,800.00
34	CATCH BASIN TYPE 2, 80 IN. DIAM. (2-FLOW SPLITTER)	3	EA.	8,400.00	25,200.00	5,000.00	15,000.00	7,750.00	23,250.00	0.00	7,700.00	23,100.00
35	TESTING STORM SEWER PIPE	4,482	L.F.	3.00	13,386.00	2.00	8,924.00	8.00	35,696.00	0.00	0.55	2,454.10
36	PLAIN CONC. STORM SEWER PIPE 24 IN. DIAM.	48	L.F.	64.00	3,072.00	95.00	4,560.00	147.00	7,086.00	0.00	65.00	2,640.00
37	CL. V REINF. CONC. STORM SEWER PIPE 12 IN. DIAM.	351	L.F.	48.00	16,848.00	40.00	14,040.00	72.00	25,272.00	0.00	49.50	17,374.50
38	CL. V REINF. CONC. STORM SEWER PIPE 18 IN. DIAM. (FROM STOCKPILE)	2,072	L.F.	48.00	99,456.00	24.00	49,726.00	28.00	58,016.00	0.00	33.00	68,376.00
39	SCHEDULE A STORM SEWER PIPE 12 IN. DIAM.	83	L.F.	40.00	3,320.00	55.00	4,565.00	78.00	6,474.00	0.00	44.00	3,662.00
40	SCHEDULE A STORM SEWER PIPE 18 IN. DIAM. (FROM STOCKPILE)	1,830	L.F.	47.00	86,010.00	25.00	45,750.00	20.00	36,600.00	0.00	44.00	80,520.00
41	SCHEDULE A STORM SEWER PIPE 24 IN. DIAM. (FROM STOCKPILE)	78	L.F.	40.00	3,120.00	40.00	3,120.00	86.00	6,708.00	0.00	66.00	5,148.00
42	GRATE INLET TYPE 1	3	EA.	2,050.00	6,150.00	1,400.00	4,200.00	3,500.00	10,500.00	0.00	8,250.00	24,750.00
43	BROSWARE SPECIAL STRUCTURES	1	L.S.	12,500.00	12,500.00	7,500.00	7,500.00	30,000.00	30,000.00	0.00	4,400.00	4,400.00
44	STRUCTURAL EARTH WALL	2,242	S.F.	31.00	69,502.00	35.00	78,470.00	38.00	85,196.00	0.00	22.00	49,324.00
45	CRUSHED SURFACING BASE COURSE	31,794	TON	17.00	540,498.00	17.50	556,395.00	18.00	572,292.00	0.00	16.50	524,601.00

Advanced Excavating Specialists, LLC
 1010 Columbia Boulevard
 Longview, WA 98632
 (360) 232-8854

Granite Construction Company
 3200 113th Avenue SW
 Olympia, WA 98512
 (360) 570-5505

Rognlin's, Inc.
 321 W. State St
 P.O. Box 307
 Aberdeen, WA 98520
 (360) 532-5220

Engineers Estimate

4,986,768.65

46	CRUSHED SURFACING TOP COURSE	8.451	TON	25.00	211,275.00	23.50	198,598.50	20.00	169,020.00	0.00	19.90	167,329.60
47	SHOULDER FINISHING	3.47	MILE	10,100.00	35,047.00	3,350.00	11,624.50	8,500.00	32,966.00	0.00	8,250.00	28,627.50
48	HMA CL. 1/2 IN. PG 64-22	7.435	TON	78.50	584,391.00	82.50	613,387.50	89.00	651,715.00	0.00	93.50	695,172.50
49	HMA FOR APPROACH CL. 1/2 IN. PG 64-22	491	TON	140.00	65,740.00	143.00	70,213.00	154.00	75,614.00	0.00	110.00	54,010.00
50	SILT FENCE	10,245	L.F.	4.00	40,980.00	5.50	56,347.50	5.00	51,225.00	0.00	6.80	67,617.00
51	ESC LEAD	30	DAY	400.00	12,000.00	100.00	3,000.00	150.00	4,500.00	0.00	220.00	6,000.00
52	TOPSOIL TYPE A	142	C.Y.	40.00	5,680.00	45.00	6,390.00	120.00	17,040.00	0.00	49.50	7,029.00
53	SEEDING, FERTILIZING, AND MULCHING	14.1	ACRE	3,100.00	43,710.00	5,000.00	70,500.00	4,000.00	56,400.00	0.00	3,575.00	50,407.50
54	BIODEGRADABLE EROSION CONTROL BLANKET	8.450	S.Y.	3.00	25,350.00	3.50	29,575.00	7.00	59,150.00	0.00	5.50	46,475.00
55	CHECKDAM	1,140	L.F.	6.00	6,840.00	5.00	5,700.00	8.00	9,120.00	0.00	13.75	15,675.00
56	WATTLE	1,610	L.F.	4.00	6,440.00	4.00	6,440.00	5.00	8,050.00	0.00	3.30	5,313.00
57	SOD INSTALLATION	285	S.Y.	10.50	2,677.50	12.00	3,050.00	29.00	7,395.00	0.00	33.00	8,415.00
58	EROSION CONTROL AT CULVERT ENDS	14	EA.	750.00	10,500.00	650.00	9,100.00	160.00	2,240.00	0.00	275.00	3,850.00
59	MITIGATION PLANTING	1	L.S.	42,900.00	42,900.00	11,000.00	11,000.00	33,500.00	33,500.00	0.00	33,000.00	33,000.00
60	COMPOST AMENDED VEGETATED FILTER STRIPS	5,308	S.Y.	19.00	100,852.00	2.00	10,616.00	15.00	79,820.00	0.00	11.00	68,388.00
61	BEAM GUARDRAIL TYPE 31 - 9 FT. LONG POST	5,130.75	L.F.	32.00	164,164.00	30.00	153,922.50	37.00	189,837.75	0.00	33.00	169,314.75
62	BEAM GUARDRAIL TYPE 31 - 11 FT. LONG POST	275	L.F.	82.00	22,550.00	40.00	11,000.00	90.00	24,750.00	0.00	44.00	12,100.00
63	BEAM GUARDRAIL TYPE 31 NON-FLARED TERMINAL	8	EA.	3,100.00	24,800.00	2,800.00	22,400.00	3,500.00	28,000.00	0.00	2,475.00	19,500.00
64	EXTRUDED CURB	4,052	L.F.	6.50	26,336.00	14.00	56,728.00	8.00	32,416.00	0.00	11.00	44,572.00
65	BEAM GUARDRAIL TYPE 31	112.50	L.F.	25.00	2,812.50	25.00	2,812.50	28.00	3,150.00	0.00	33.00	3,712.50
66	BEAM GUARDRAIL TYPE 31 TRANSITION SECTION TYPE 21	2	EA.	4,150.00	8,300.00	4,250.00	8,500.00	4,600.00	9,200.00	0.00	3,575.00	7,150.00
67	BEAM GUARDRAIL TYPE 31 ANCHOR TYPE 10	12	EA.	1,650.00	19,800.00	1,000.00	12,000.00	1,800.00	21,600.00	0.00	880.00	10,560.00
68	PAINT LINE	23,740	L.F.	0.25	5,935.00	0.35	8,309.00	0.25	5,935.00	0.00	0.28	6,647.20
69	FLEXIBLE GUIDE POST (WW)	125	EA.	41.00	5,125.00	45.00	5,625.00	30.00	3,750.00	0.00	41.25	5,156.25
70	PLASTIC STOP LINE	95	L.F.	16.00	1,520.00	15.00	1,425.00	12.00	1,140.00	0.00	22.00	2,090.00
71	RECESSED PAYEMENT MARKER (ZYY)	12	HUND.	2,300.00	2,760.00	3,900.00	4,680.00	1,800.00	2,160.00	0.00	5,500.00	6,600.00
72	PERMANENT SIGNING	1	L.S.	19,400.00	19,400.00	18,000.00	18,000.00	10,000.00	10,000.00	0.00	8,360.00	8,360.00
73	PROJECT TEMPORARY TRAFFIC CONTROL	1	L.S.	344,000.00	344,000.00	775,000.00	775,000.00	225,000.00	225,000.00	0.00	137,500.00	137,500.00
74	CONSTRUCTION SIGNS CLASS A	409	S.F.	30.00	12,270.00	22.00	8,998.00	9.00	3,681.00	0.00	38.50	15,746.50
75	STRUCTURE EXCAVATION CLASS A INCL. HAUL	609	C.Y.	45.00	27,405.00	18.50	11,266.50	29.00	17,661.00	0.00	27.90	16,747.50
76	STRUCTURE EXCAVATION CLASS B INCL. HAUL	21,153	C.Y.	17.50	370,177.50	10.50	222,105.50	12.00	253,836.00	0.00	11.00	232,683.00
77	SHORING OR EXTRA EXCAVATION CLASS B	15,544	S.F.	2.00	31,088.00	1.00	15,544.00	12.00	186,528.00	0.00	1.10	17,098.40
78	GRAVEL BACKFILL FOR DRAIN	105	C.Y.	42.00	4,410.00	26.00	2,730.00	135.00	14,175.00	0.00	55.00	5,775.00
79	WATER	2,400	M GAL.	55.00	132,000.00	50.00	120,000.00	30.00	72,000.00	0.00	16.50	39,600.00
80	COMMERCIAL CONCRETE	3	C.Y.	620.00	1,560.00	1,250.00	3,750.00	200.00	600.00	0.00	220.00	660.00
81	ST. REINF. BAR	53	L.B.	20.00	1,050.00	27.50	1,457.50	50.00	2,650.00	0.00	16.50	874.50
82	WIRE FENCE TYPE 2	1,110	L.F.	9.00	8,990.00	10.00	11,100.00	10.00	11,100.00	0.00	8.80	9,768.00
83	DOUBLE WIRE GATE 20 FT.	1	EA.	1,150.00	1,150.00	1,200.00	1,200.00	2,000.00	2,000.00	0.00	1,320.00	1,320.00
84	ACCESS CONTROL GATE	3	EA.	1,750.00	5,250.00	1,900.00	5,700.00	1,800.00	5,400.00	0.00	1,540.00	4,620.00
85	TRIMMING AND CLEANUP	1	L.S.	10,800.00	10,800.00	10,000.00	10,000.00	30,000.00	30,000.00	0.00	11,000.00	11,000.00
86	CONSTRUCTION GEOTEXTILE FOR SEPARATION	4,130	S.Y.	2.00	8,260.00	2.00	8,260.00	2.50	10,325.00	0.00	2.20	9,086.00
87	CONSTRUCTION GEOTEXTILE FOR UNDERGROUND DRAINAGE	110	S.Y.	5.00	550.00	8.50	880.00	5.00	550.00	0.00	5.50	605.00
88	MAIL BOX SUPPORT TYPE 1	15	E.A.	400.00	6,000.00	400.00	6,000.00	300.00	4,500.00	0.00	385.00	5,775.00
89	GRAVEL BORROW FOR STRUCTURAL EARTH WALL INCL. HAUL	1,000	TON	17.00	17,000.00	14.00	14,000.00	30.00	30,000.00	0.00	27.50	27,500.00
90	FORGE ACCOUNT UNSUITABLE SUBGRADE REMOVAL	0	EST.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
91	REIMBURSEMENT FOR THIRD PARTY DAMAGE	0	EST.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92	MINOR CHANGE	1	CALC.	25,000.00	25,000.00	25,000.00	25,000.00	25,000.00	25,000.00	0.00	25,000.00	25,000.00
93	SPCC PLAN	1	L.S.	1,500.00	1,500.00	1,500.00	1,500.00	600.00	600.00	0.00	2,750.00	2,750.00