

S. 228th St. Union Pacific Railroad Grade Separation Bridge & Roadway Phase 5

Bid Opening: March 26, 2019, 10:00 AM

1
Scarsella Bros., Inc.
PO Box 68697
Seattle, WA 98168-0697
TOTAL \$13,802,146.40

2
Rodarte Construction, Inc.
17 East Valley Highway E.
Auburn, WA 98092
TOTAL \$15,954,762.13

Engineer's Estimate
Susanne Smith
TOTAL \$15,498,694.25

ITEM NO.	DESCRIPTION	QTY	UNIT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT
SCHEDULE I : STREET									
1000	Mobilization	1	LS	1,275,000.00	\$1,275,000.00	1,612,000.00	\$1,612,000.00	1,100,000.00	\$1,100,000.00
1005	Clearing & Grubbing	1	LS	10,000.00	\$10,000.00	14,000.00	\$14,000.00	60,000.00	\$60,000.00
1010	Remove Existing Asphalt Concrete Pavement	15,000	SY	7.10	\$106,500.00	9.00	\$135,000.00	5.00	\$75,000.00
1015	Remove Existing Reinforced Cement Concrete Driveway/Pavement	700	SY	20.00	\$14,000.00	22.00	\$15,400.00	22.00	\$15,400.00
1017	Remove Asphalt Concrete Sidewalk	50	SY	10.00	\$500.00	15.00	\$750.00	10.00	\$500.00
1020	Remove Cement Concrete Sidewalk	850	SY	10.00	\$8,500.00	14.00	\$11,900.00	15.00	\$12,750.00
1025	Remove Cement Concrete Curb & Gutter	3,300	LF	6.50	\$21,450.00	11.00	\$36,300.00	10.00	\$33,000.00
1030	Remove Cement Concrete Extruded Curb	2,600	LF	2.00	\$5,200.00	7.00	\$18,200.00	9.00	\$23,400.00
1050	Saw Cut Existing Asphalt Concrete Pavement	2,000	LF	3.50	\$7,000.00	3.25	\$6,500.00	3.00	\$6,000.00
1055	Saw Cut Existing Cement Concrete Pavement	100	LF	5.00	\$500.00	8.00	\$800.00	10.00	\$1,000.00
1060	Roadway Excavation Incl. Haul	750	CY	37.75	\$28,312.50	35.00	\$26,250.00	30.00	\$22,500.00
1065	Gravel Borrow, Including Haul & Compaction	1,800	TON	20.30	\$36,540.00	27.00	\$48,600.00	25.00	\$45,000.00
1080	* Crushed Surfacing Top Course, 5/8" Minus	6,000	TON	27.40	\$164,400.00	30.00	\$180,000.00	23.00	\$138,000.00
1095	HMA Class 1/2", PG 58V-22	2,600	TON	100.00	\$260,000.00	110.00	\$286,000.00	95.00	\$247,000.00
1100	Asphalt Cost Price Adjustment	1	CALC	20,000.00	\$20,000.00	20,000.00	\$20,000.00	20,000.00	\$20,000.00
1110	Planing Bituminous Pavement	1,250	SY	5.15	\$6,437.50	10.00	\$12,500.00	10.00	\$12,500.00
1125	Hot Plant Mix for Temporary Pavement Patch	420	TON	115.00	\$48,300.00	140.00	\$58,800.00	150.00	\$63,000.00
1130	Cement Concrete Pavement - Including Dowels and Tie Bars	2,600	CY	422.50	\$1,098,500.00	425.00	\$1,105,000.00	350.00	\$910,000.00
1140	Cement Concrete Driveway, 8" Depth, Reinforced	500	SY	95.35	\$47,675.00	95.00	\$47,500.00	95.00	\$47,500.00
1143	Asphalt Treated Base	120	TON	115.00	\$13,800.00	150.00	\$18,000.00	100.00	\$12,000.00
1145	Cement Concrete Sidewalk	500	SY	49.20	\$24,600.00	38.00	\$19,000.00	50.00	\$25,000.00
1150	Cement Concrete Sidewalk Ramp Type Perpendicular A	1	EA	1,805.00	\$1,805.00	1,650.00	\$1,650.00	2,500.00	\$2,500.00
1170	Cement Concrete Sidewalk Ramp Type Parallel A	7	EA	2,345.00	\$16,415.00	1,650.00	\$11,550.00	2,500.00	\$17,500.00
1205	* Cement Concrete Curb & Gutter	1,370	LF	37.00	\$50,690.00	22.00	\$30,140.00	30.00	\$41,100.00
1210	* Cement Concrete Extruded Curb	2,500	LF	10.00	\$25,000.00	11.00	\$27,500.00	15.00	\$37,500.00
1211	* Pedestrian Curb	100	LF	34.00	\$3,400.00	17.00	\$1,700.00	25.00	\$2,500.00
1220	Adjust Existing Catch Basin Grate or Curb Inlet Grate to Finished Grade	12	EA	400.00	\$4,800.00	600.00	\$7,200.00	500.00	\$6,000.00
1225	Adjust Existing Manhole Cover to Finished Grade	5	EA	475.00	\$2,375.00	600.00	\$3,000.00	750.00	\$3,750.00
1245	Install New Riser for Monument's and Adjust Case & Cover to Finished Grade	2	EA	900.00	\$1,800.00	650.00	\$1,300.00	500.00	\$1,000.00
1250	Install New Monument, Case & Cover to Finished Grade	3	EA	900.00	\$2,700.00	700.00	\$2,100.00	800.00	\$2,400.00
1270	Temporary 6' Chain Link Fence	1,000	LF	3.50	\$3,500.00	8.50	\$8,500.00	8.00	\$8,000.00
1272	Remove Fence & Gates	50	LF	10.00	\$500.00	14.00	\$700.00	25.00	\$1,250.00
1275	Chain Link Fence Type 3	50	LF	30.00	\$1,500.00	27.00	\$1,350.00	45.00	\$2,250.00
1277	Double 25 Ft. Chain Link Gate	1	EA	2,500.00	\$2,500.00	2,500.00	\$2,500.00	2,000.00	\$2,000.00
1280	Double 14 Ft. Chain Link Gate	1	EA	1,750.00	\$1,750.00	1,800.00	\$1,800.00	1,500.00	\$1,500.00
1295	Mailbox Support, Type 1	2	EA	850.00	\$1,700.00	350.00	\$700.00	350.00	\$700.00
1296	Remove & Reset Existing Mailbox	3	EA	250.00	\$750.00	250.00	\$750.00	500.00	\$1,500.00
1300	Gravity Block Retaining Wall	400	SFWF	27.20	\$10,880.00	35.00	\$14,000.00	35.00	\$14,000.00
1315	Pothole Utilities	25	EA	500.00	\$12,500.00	525.00	\$13,125.00	500.00	\$12,500.00

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Engineer's Estimate
Susanne Smith

TOTAL **\$13,802,146.40** **\$15,954,762.13** **\$15,498,694.25**

ITEM NO.	DESCRIPTION	QTY	UNIT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT
1316	Project Sign Fabrication & Installation	2	EA	750.00	\$1,500.00	600.00	\$1,200.00	1,500.00	\$3,000.00
1320	Field Office	1	LS	20,000.00	\$20,000.00	40,000.00	\$40,000.00	20,000.00	\$20,000.00
1330	Settlement Monitoring Trench	400	LF	20.00	\$8,000.00	40.00	\$16,000.00	25.00	\$10,000.00
1355	Minor Changes	1	CALC	25,000.00	\$25,000.00	25,000.00	\$25,000.00	25,000.00	\$25,000.00
1365	Reimbursement for Third Party Damage	1	FA	50,000.00	\$50,000.00	50,000.00	\$50,000.00	50,000.00	\$50,000.00
SCHEDULE I TOTAL					\$3,446,280.00		\$3,934,265.00		\$3,135,500.00
SCHEDULE II: WATER									
2109	Fire Protection Standpipe System	1	LS	32,100.00	\$32,100.00	50,000.00	\$50,000.00	250,000.00	\$250,000.00
2325	Minor Changes	1	CALC	5,000.00	\$5,000.00	5,000.00	\$5,000.00	5,000.00	\$5,000.00
SUB TOTAL					\$37,100.00		\$55,000.00		\$255,000.00
10% SALES TAX					\$3,710.00		\$5,500.00		\$25,500.00
SCHEDULE II TOTAL					\$40,810.00		\$60,500.00		\$280,500.00
SCHEDULE IV: STORM SEWER									
4000	Ductile Iron Storm Sewer Pipe, 12" Diameter	1,650	LF	71.35	\$117,727.50	80.00	\$132,000.00	65.00	\$107,250.00
4003	Ductile Iron Storm Sewer Pipe, 6" Diameter	70	LF	70.30	\$4,921.00	80.00	\$5,600.00	50.00	\$3,500.00
4007	6" Gate Valve, MJ x FL or MJ x MJ or FL x FL	2	EA	1,680.00	\$3,360.00	1,700.00	\$3,400.00	1,500.00	\$3,000.00
4020	Ductile Iron Storm Sewer Pipe, 18" Diameter	170	LF	130.00	\$22,100.00	130.00	\$22,100.00	75.00	\$12,750.00
4025	Ductile Iron Storm Sewer Pipe, 30" Diameter	35	LF	195.00	\$6,825.00	500.00	\$17,500.00	200.00	\$7,000.00
4080	Catch Basin, Type 1	16	EA	1,155.00	\$18,480.00	1,100.00	\$17,600.00	1,300.00	\$20,800.00
4085 *	Catch Basin, Type 2 48" Diameter	6	EA	2,965.00	\$17,790.00	3,400.00	\$20,400.00	3,000.00	\$18,000.00
4087	Install New Manhole Section, Type 2 - 120" Diameter to Finished Grade	1	EA	8,255.00	\$8,255.00	13,000.00	\$13,000.00	7,000.00	\$7,000.00
4105	Concrete Inlet	3	EA	1,095.00	\$3,285.00	1,100.00	\$3,300.00	1,100.00	\$3,300.00
4110 *	Circular Frame (Ring) and Cover, Type 2	4	EA	710.00	\$2,840.00	1,000.00	\$4,000.00	900.00	\$3,600.00
4120 *	Vaned Catch Basin Frame & Grate	15	EA	640.00	\$9,600.00	900.00	\$13,500.00	500.00	\$7,500.00
4125	Bi-Directional Vaned Catch Basin Frame & Grate	3	EA	605.00	\$1,815.00	900.00	\$2,700.00	500.00	\$1,500.00
4130	Abandon Existing Storm Sewer Pipe	9	EA	700.00	\$6,300.00	400.00	\$3,600.00	500.00	\$4,500.00
4140	Remove Existing Storm Sewer Pipe or Culvert	550	LF	15.00	\$8,250.00	12.00	\$6,600.00	30.00	\$16,500.00
4145	Remove Existing Catch Basin or Manhole	15	EA	350.00	\$5,250.00	200.00	\$3,000.00	750.00	\$11,250.00
4150	Shoring or Extra Excavation Class B	5,000	SF	0.50	\$2,500.00	3.25	\$16,250.00	0.75	\$3,750.00
4155	Foundation Material, Class I & II	70	TON	45.00	\$3,150.00	50.00	\$3,500.00	30.00	\$2,100.00
4170 *	Pipe Zone Bedding	500	TON	20.00	\$10,000.00	30.00	\$15,000.00	30.00	\$15,000.00
4175 *	Crushed Surfacing Top Course, 5/8" Minus	100	TON	27.40	\$2,740.00	30.00	\$3,000.00	25.00	\$2,500.00
4176 *	Crushed Surfacing Base Course, 1-1/4" Minus	250	TON	27.40	\$6,850.00	35.00	\$8,750.00	30.00	\$7,500.00
4177	Unsuitable Foundation Excavation Incl. Haul	100	CY	37.75	\$3,775.00	70.00	\$7,000.00	50.00	\$5,000.00
4180 *	Bank Run Gravel for Trench Backfill	400	TON	20.30	\$8,120.00	35.00	\$14,000.00	25.00	\$10,000.00
4190	Permeable Ballast	600	TON	27.50	\$16,500.00	40.00	\$24,000.00	50.00	\$30,000.00
4200	Detention Vault 1	1	EA	151,500.00	\$151,500.00	160,000.00	\$160,000.00	95,000.00	\$95,000.00
4202	Detention Vault 2	1	EA	477,000.00	\$477,000.00	350,000.00	\$350,000.00	280,000.00	\$280,000.00
4204	Wet Vault 1	1	EA	220,000.00	\$220,000.00	170,000.00	\$170,000.00	132,000.00	\$132,000.00

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4206	Wet Vault 2	1	EA	205,500.00	\$205,500.00	155,000.00	\$155,000.00	140,000.00	\$140,000.00
4208	Manhole Type 2 - 72" Diameter Storm Filter System	1	EA	38,250.00	\$38,250.00	42,000.00	\$42,000.00	25,000.00	\$25,000.00
4210	Manhole Type 2 - 96" Diameter Storm Filter System	1	EA	46,000.00	\$46,000.00	62,000.00	\$62,000.00	41,000.00	\$41,000.00
4212	96" ID Manhole ± 8 Foot Tall Extension	1	EA	5,450.00	\$5,450.00	10,000.00	\$10,000.00	30,000.00	\$30,000.00
4215	Minor Changes	1	CALC	25,000.00	\$25,000.00	25,000.00	\$25,000.00	25,000.00	\$25,000.00
SUB TOTAL					\$1,459,133.50		\$1,333,800.00		\$1,071,300.00
10% SALES TAX					\$145,913.35		\$133,380.00		\$107,130.00
SCHEDULE IV TOTAL					\$1,605,046.85		\$1,467,180.00		\$1,178,430.00
SCHEDULE V: TRAFFIC CONTROL									
5005	Traffic Control Labor	5,600	HR	52.75	\$295,400.00	55.00	\$308,000.00	50.00	\$280,000.00
5010	Construction Signs Class A	200	SF	0.01	\$2.00	25.00	\$5,000.00	20.00	\$4,000.00
5015	Traffic Control Supervisor	2,800	HR	0.01	\$28.00	55.00	\$154,000.00	65.00	\$182,000.00
5020	Temporary Traffic Control Devices	1	LS	1,500.00	\$1,500.00	19,000.00	\$19,000.00	19,000.00	\$19,000.00
5030	Portable Changeable Message Sign (PCMS)	540	DAY	75.00	\$40,500.00	105.00	\$56,700.00	70.00	\$37,800.00
5035	Sequential Arrow Sign (SAS)	480	DAY	25.00	\$12,000.00	35.00	\$16,800.00	50.00	\$24,000.00
5060	Type III Barricade (Roadway & Pedestrian)	30	EA	200.00	\$6,000.00	600.00	\$18,000.00	300.00	\$9,000.00
5075	Permanent Channelization	1	LS	40,910.00	\$40,910.00	45,000.00	\$45,000.00	48,700.00	\$48,700.00
5080	Temporary Pavement Marking	7,000	LF	0.25	\$1,750.00	1.00	\$7,000.00	3.00	\$21,000.00
5135	Permanent Signing	1	LS	35,000.00	\$35,000.00	12,500.00	\$12,500.00	7,500.00	\$7,500.00
SCHEDULE V TOTAL					\$433,090.00		\$642,000.00		\$633,000.00
SCHEDULE VI: ELECTRICAL									
6000	Remove Existing Illumination System	1	LS	5,000.00	\$5,000.00	5,500.00	\$5,500.00	20,000.00	\$20,000.00
6003	Supply & Install Fiber Optic Cable	2,900	LF	4.50	\$13,050.00	5.00	\$14,500.00	10.00	\$29,000.00
6005	New Illumination System	1	LS	195,000.00	\$195,000.00	205,000.00	\$205,000.00	180,000.00	\$180,000.00
6007	Induction Loops - 6' Diameter	27	EA	1,000.00	\$27,000.00	1,100.00	\$29,700.00	1,000.00	\$27,000.00
6010	Additional Lead-In Wire	650	LF	20.00	\$13,000.00	22.00	\$14,300.00	3.50	\$2,275.00
6012	Junction Box Type 1	4	EA	675.00	\$2,700.00	750.00	\$3,000.00	1,000.00	\$4,000.00
6015	Junction Box Type 8	7	EA	1,815.00	\$12,705.00	2,000.00	\$14,000.00	1,350.00	\$9,450.00
6020	Supply & Install 2" Diameter Schedule 80 PVC Conduit	14,150	LF	5.50	\$77,825.00	6.25	\$88,437.50	4.00	\$56,600.00
6022	Supply & Install 4" Diameter Schedule 80 PVC Conduit	230	LF	13.50	\$3,105.00	15.00	\$3,450.00	8.00	\$1,840.00
6025	Traffic Signal Modifications	1	LS	33,250.00	\$33,250.00	22,000.00	\$22,000.00	26,000.00	\$26,000.00
6030	Sand for Conduit Bedding	400	TON	30.00	\$12,000.00	45.00	\$18,000.00	35.00	\$14,000.00
6035	Minor Changes	1	CALC	5,000.00	\$5,000.00	5,000.00	\$5,000.00	5,000.00	\$5,000.00
SCHEDULE VI TOTAL					\$399,635.00		\$422,887.50		\$375,165.00
SCHEDULE VII: TEMPORARY EROSION AND SEDIMENTATION CONTROL									
7000	* Seeding, Fertilizing, & Mulching	1.5	AC	9,500.00	\$14,250.00	3,200.00	\$4,800.00	3,200.00	\$4,800.00
7005	* Filter Fabric Fence with Backup Support	1,600	LF	5.00	\$8,000.00	4.00	\$6,400.00	6.00	\$9,600.00
7010	High Visibility Fence	4,500	LF	3.00	\$13,500.00	4.00	\$18,000.00	6.00	\$27,000.00

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7015 *	Inlet Protection	40	EA	100.00	\$4,000.00	75.00	\$3,000.00	105.00	\$4,200.00
7020	Straw Mulch	1,200	SY	1.00	\$1,200.00	0.30	\$360.00	2.75	\$3,300.00
7025	Clear Plastic Covering	5,000	SY	2.00	\$10,000.00	3.25	\$16,250.00	3.25	\$16,250.00
7030	ESC Lead	60	HR	150.00	\$9,000.00	90.00	\$5,400.00	100.00	\$6,000.00
7035	Stabilized Construction Entrance	400	SY	18.00	\$7,200.00	30.00	\$12,000.00	35.00	\$14,000.00
7055	Erosion/Water Pollution Control	1	FA	20,000.00	\$20,000.00	20,000.00	\$20,000.00	20,000.00	\$20,000.00
7060	SPCC Plan	1	LS	2,500.00	\$2,500.00	100.00	\$100.00	2,300.00	\$2,300.00
SCHEDULE VII TOTAL					\$89,650.00	\$86,310.00	\$107,450.00		
SCHEDULE VIII: ROADSIDE RESTORATION									
8002	Landscape Restoration	1	FA	10,000.00	\$10,000.00	10,000.00	\$10,000.00	10,000.00	\$10,000.00
8005 *	Topsoil Type A	500	CY	50.00	\$25,000.00	55.00	\$27,500.00	35.00	\$17,500.00
8010	Sod Installation	2,500	SY	5.00	\$12,500.00	11.00	\$27,500.00	12.00	\$30,000.00
8015 *	Medium Bark Chip Mulch	250	CY	50.00	\$12,500.00	60.00	\$15,000.00	60.00	\$15,000.00
8020	Street Tree Planting & Staking	5	EA	500.00	\$2,500.00	1,400.00	\$7,000.00	600.00	\$3,000.00
8025	Existing Irrigation System Removal, Repair &/or Modification	1	FA	10,000.00	\$10,000.00	10,000.00	\$10,000.00	10,000.00	\$10,000.00
SCHEDULE VIII TOTAL					\$72,500.00	\$97,000.00	\$85,500.00		
SCHEDULE IX: UPRR BRIDGE STRUCTURE									
9003	Structure Surveying	1	LS	40,000.00	\$40,000.00	22,000.00	\$22,000.00	80,000.00	\$80,000.00
9010	Bridge Approach Slab	388	SY	430.00	\$166,840.00	450.00	\$174,600.00	300.00	\$116,400.00
9055	St. Reinf. Bar for Bridge	173,800	LB	1.46	\$253,748.00	1.75	\$304,150.00	1.30	\$225,940.00
9060	Conc. Class 4000 for Bridge	394	CY	692.00	\$272,648.00	700.00	\$275,800.00	1,000.00	\$394,000.00
9062	Conc. Class 5000 P	75	CY	250.00	\$18,750.00	290.00	\$21,750.00	1,000.00	\$75,000.00
9065	Superstructure - S. 228th St. Bridge Over UPRR	1	LS	685,000.00	\$685,000.00	725,000.00	\$725,000.00	1,150,000.00	\$1,150,000.00
9070	Prestressed Conc. Girder WF42TDG	2,486	LF	488.00	\$1,213,168.00	550.00	\$1,367,300.00	450.00	\$1,118,700.00
9095	Pedestrian Barrier	542	LF	191.00	\$103,522.00	250.00	\$135,500.00	200.00	\$108,400.00
9105	Bridge Railing Type Chain Link Fence	442	LF	115.00	\$50,830.00	125.00	\$55,250.00	100.00	\$44,200.00
9110	Bridge Railing Type BP	100	LF	70.00	\$7,000.00	110.00	\$11,000.00	100.00	\$10,000.00
9115	Minor Changes	1	CALC	25,000.00	\$25,000.00	25,000.00	\$25,000.00	25,000.00	\$25,000.00
SCHEDULE IX TOTAL					\$2,836,506.00	\$3,117,350.00	\$3,347,640.00		
SCHEDULE X: RETAINING WALLS									
10000	Structure Excavation Class A Incl. Haul	9,000	CY	10.00	\$90,000.00	36.00	\$324,000.00	35.00	\$315,000.00
10003	Shoring or Extra Excavation Cl. A - Walls	1	LS	5,000.00	\$5,000.00	50,000.00	\$50,000.00	5,000.00	\$5,000.00
10005	Wire-Faced Retaining Wall for Phased Construction	4,900	SF	21.50	\$105,350.00	24.00	\$117,600.00	20.00	\$98,000.00
10010	Temporary Barrier	1,350	LF	15.00	\$20,250.00	28.00	\$37,800.00	80.00	\$108,000.00
10020 *	Geowall Traffic Barrier	440	LF	468.00	\$205,920.00	700.00	\$308,000.00	440.00	\$193,600.00
10025	SEW Pedestrian Barrier	2,240	LF	425.00	\$952,000.00	575.00	\$1,288,000.00	450.00	\$1,008,000.00
10030	Bridge Railing Type - BP	2,250	LF	70.00	\$157,500.00	95.00	\$213,750.00	100.00	\$225,000.00

S. 228th St. Union Pacific Railroad Grade Separation Bridge & Roadway Phase 5

Bid Opening: March 26, 2019, 10:00 AM

1
Scarsella Bros., Inc.
PO Box 68697
Seattle, WA 98168-0697

2
Rodarte Construction, Inc.
17 East Valley Highway E.
Auburn, WA 98092

Engineer's Estimate
Susanne Smith

TOTAL **\$13,802,146.40** **\$15,954,762.13** **\$15,498,694.25**

ITEM NO.	DESCRIPTION	QTY	UNIT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT
10042	Load Distribution Slab	1,250	SY	93.50	\$116,875.00	170.00	\$212,500.00	130.00	\$162,500.00
10045	Shotcrete Facing	4,500	SF	20.00	\$90,000.00	25.00	\$112,500.00	50.00	\$225,000.00
10050	Gravel Borrow for Structural Earth Wall Incl. Haul	32,000	CY	37.75	\$1,208,000.00	40.00	\$1,280,000.00	38.00	\$1,216,000.00
10053	Remove or Reuse Gravel Borrow for Structural Earth Wall Incl. Haul	735	CY	6.00	\$4,410.00	17.00	\$12,495.00	25.00	\$18,375.00
10055	Geosynthetic Retaining Wall	9,000	SF	20.00	\$180,000.00	20.00	\$180,000.00	20.00	\$180,000.00
10060 *	Geofoam	3,400	CY	95.00	\$323,000.00	110.00	\$374,000.00	180.00	\$612,000.00
10065 *	Geomembrane	2,000	SY	39.25	\$78,500.00	15.00	\$30,000.00	50.00	\$100,000.00
10070	Bridge Railing Type BP (Modified)	380	LF	75.00	\$28,500.00	95.00	\$36,100.00	100.00	\$38,000.00
10100	Structural Earth Wall	15,600	SF	24.25	\$378,300.00	25.00	\$390,000.00	33.00	\$514,800.00
10110	6" Underdrain Pipe	110	LF	20.00	\$2,200.00	25.00	\$2,750.00	25.00	\$2,750.00
10115	Minor Changes	1	CALC	25,000.00	\$25,000.00	25,000.00	\$25,000.00	25,000.00	\$25,000.00
SCHEDULE X TOTAL					\$3,970,805.00		\$4,994,495.00		\$5,047,025.00
SCHEDULE XII - INTERURBAN BIKE PATH									
12000	Clearing & Grubbing	1	LS	5,000.00	\$5,000.00	10,000.00	\$10,000.00	2,500.00	\$2,500.00
12010 *	Remove Existing Asphalt Concrete Pavement	650	SY	7.10	\$4,615.00	9.00	\$5,850.00	5.00	\$3,250.00
12015	Remove Existing Reinforced Cement Concrete Driveway/Pavement	20	SY	20.00	\$400.00	22.00	\$440.00	22.00	\$440.00
12020	Remove Cement Concrete Sidewalk	670	SY	10.00	\$6,700.00	14.00	\$9,380.00	15.00	\$10,050.00
12025	Remove Cement Concrete Curb & Gutter	500	LF	6.50	\$3,250.00	11.00	\$5,500.00	10.00	\$5,000.00
12030	Remove Cement Concrete Extruded Curb	95	LF	2.00	\$190.00	7.00	\$665.00	9.00	\$855.00
12040	Removal of Raised Pavement Markers & Painted &/or Thermoplastic Traffic Markings	1	LS	200.00	\$200.00	500.00	\$500.00	1,200.00	\$1,200.00
12050 *	Saw Cut Existing Asphalt Concrete Pavement	600	LF	3.50	\$2,100.00	3.25	\$1,950.00	3.00	\$1,800.00
12053	Saw Cut Existing Cement Concrete Pavement	100	LF	5.00	\$500.00	8.00	\$800.00	10.00	\$1,000.00
12055	Structure Excavation Class A Incl. Haul	350	CY	10.00	\$3,500.00	15.00	\$5,250.00	35.00	\$12,250.00
12060	Roadway Excavation Incl. Haul	64	CY	37.75	\$2,416.00	50.00	\$3,200.00	30.00	\$1,920.00
12065 *	Gravel Borrow, Including Haul & Compaction	1,000	TON	20.30	\$20,300.00	27.00	\$27,000.00	25.00	\$25,000.00
12075	Gravel Borrow for Structural Earth Wall Incl. Haul	320	TON	20.30	\$6,496.00	40.00	\$12,800.00	28.00	\$8,960.00
12080 *	Crushed Surfacing Top Course, 5/8" Minus	600	TON	27.40	\$16,440.00	30.00	\$18,000.00	25.00	\$15,000.00
12085 *	Crushed Surfacing Base Course, 1-1/4" Minus	500	TON	27.40	\$13,700.00	35.00	\$17,500.00	30.00	\$15,000.00
12095 *	HMA Class 1/2", PG 58V-22	300	TON	100.00	\$30,000.00	110.00	\$33,000.00	105.00	\$31,500.00
12140	Cement Concrete Driveway, 8" Depth, Reinforced	60	SY	95.35	\$5,721.00	95.00	\$5,700.00	95.00	\$5,700.00
12145	Cement Concrete Sidewalk	250	SY	49.20	\$12,300.00	38.00	\$9,500.00	50.00	\$12,500.00
12150 *	Geofoam	2,300	CY	95.00	\$218,500.00	110.00	\$253,000.00	180.00	\$414,000.00
12160	Geosynthetic Retaining Wall	450	SF	20.00	\$9,000.00	20.00	\$9,000.00	20.00	\$9,000.00
12165 *	Geomembrane	800	SY	39.25	\$31,400.00	15.00	\$12,000.00	50.00	\$40,000.00
12180	Cement Concrete Sidewalk Ramp Type Parallel A	1	EA	2,455.00	\$2,455.00	1,650.00	\$1,650.00	2,500.00	\$2,500.00
12200	Cement Concrete Sidewalk Ramp Type Single Direction A	1	EA	2,795.00	\$2,795.00	1,650.00	\$1,650.00	2,500.00	\$2,500.00
12205 *	Cement Concrete Curb & Gutter	715	LF	37.00	\$26,455.00	22.00	\$15,730.00	30.00	\$21,450.00
12210 *	Cement Concrete Extruded Curb	90	LF	10.00	\$900.00	11.00	\$990.00	15.00	\$1,350.00
12211 *	Pedestrian Curb	70	LF	34.00	\$2,380.00	17.00	\$1,190.00	25.00	\$1,750.00

S. 228th St. Union Pacific Railroad Grade Separation Bridge & Roadway Phase 5

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Rodarte Construction, Inc.
17 East Valley Highway E.
Auburn, WA 98092

Engineer's Estimate
Susanne Smith

TOTAL **\$13,802,146.40** **\$15,954,762.13** **\$15,498,694.25**

ITEM NO.	DESCRIPTION	QTY	UNIT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT
12280	Black Vinyl Coated Chain Link Fence 4 Foot	280	LF	20.00	\$5,600.00	20.00	\$5,600.00	60.00	\$16,800.00
12290	Repair/Modify/Install Irrigation System	1	LS	8,500.00	\$8,500.00	15,000.00	\$15,000.00	6,000.00	\$6,000.00
12293 *	Geowall Traffic Barrier	440	LF	468.00	\$205,920.00	700.00	\$308,000.00	440.00	\$193,600.00
12295	Bridge Railing Type BP (Modified)	440	LF	75.00	\$33,000.00	95.00	\$41,800.00	100.00	\$44,000.00
12300	Resetting Existing Hydrant	1	EA	7,700.00	\$7,700.00	9,000.00	\$9,000.00	2,500.00	\$2,500.00
12375	Shotcrete Facing	4,250	SF	20.00	\$85,000.00	26.00	\$110,500.00	50.00	\$212,500.00
12380	Remove Existing Catch Basin & Storm Sewer Pipe	1	LS	1,000.00	\$1,000.00	2,500.00	\$2,500.00	1,200.00	\$1,200.00
12408 *	Catch Basin, Type 2 48" Diameter	1	EA	2,965.00	\$2,965.00	3,400.00	\$3,400.00	4,000.00	\$4,000.00
12410 *	Circular Frame (Ring) and Cover, Type 2	2	EA	710.00	\$1,420.00	1,000.00	\$2,000.00	900.00	\$1,800.00
12420 *	Vaned Catch Basin Frame & Grate	1	EA	640.00	\$640.00	900.00	\$900.00	500.00	\$500.00
12515	Permanent Channelization	1	LS	287.50	\$287.50	300.00	\$300.00	5,000.00	\$5,000.00
12605	Illumination System - Relocate Existing Luminaires	1	LS	33,000.00	\$33,000.00	20,000.00	\$20,000.00	16,000.00	\$16,000.00
12610 *	Topsoil Type A	140	CY	50.00	\$7,000.00	55.00	\$7,700.00	35.00	\$4,900.00
12700 *	Seeding, Fertilizing, and Mulching	0.10	AC	9,500.00	\$950.00	3,200.00	\$320.00	1,800.00	\$180.00
12705 *	Filter Fabric Fence with Backup Support	550	LF	5.00	\$2,750.00	4.00	\$2,200.00	6.00	\$3,300.00
12715 *	Inlet Protection	9	EA	100.00	\$900.00	75.00	\$675.00	105.00	\$945.00
12720 *	Medium Bark Chip Mulch	80	CY	50.00	\$4,000.00	60.00	\$4,800.00	60.00	\$4,800.00
12730	Landscaping	1	FA	15,000.00	\$15,000.00	15,000.00	\$15,000.00	15,000.00	\$15,000.00
12735	Minor Changes	1	CALC	10,000.00	\$10,000.00	10,000.00	\$10,000.00	10,000.00	\$10,000.00
SCHEDULE XII TOTAL					\$853,345.50	\$1,021,940.00	\$1,189,500.00		
SCHEDULE XIII - SANITARY SEWER									
13005	Ductile Iron Sewer Pipe, 8" Diameter Class 52 Unlined	58	LF	120.00	\$6,960.00	325.00	\$18,850.00	120.00	\$6,960.00
13010 *	Remove Existing Asphalt Concrete Pavement	50	SY	7.10	\$355.00	9.00	\$450.00	5.00	\$250.00
13020	Adjust Existing Manhole Cover Within Geofoam to Finished Grade	2	EA	4,225.00	\$8,450.00	8,000.00	\$16,000.00	20,000.00	\$40,000.00
13050 *	Saw Cut Existing Asphalt Concrete Pavement	115	LF	3.50	\$402.50	3.25	\$373.75	3.00	\$345.00
13095	Remove & Replace Existing Drop Connection with 8" Diameter Pipe	19	VF	50.00	\$950.00	600.00	\$11,400.00	550.00	\$10,450.00
13100	Adjust Existing Cleanout within Geofoam to Finished Grade	2	EA	1,265.00	\$2,530.00	5,000.00	\$10,000.00	10,000.00	\$20,000.00
13115	Shoring or Extra Excavation, Class B	750	SF	0.50	\$375.00	3.00	\$2,250.00	0.75	\$562.50
13135 *	Pipe Zone Bedding	80	TON	20.00	\$1,600.00	30.00	\$2,400.00	30.00	\$2,400.00
13140 *	Crushed Surfacing Base Course, 1-1/4" Minus	35	TON	27.40	\$959.00	35.00	\$1,225.00	30.00	\$1,050.00
13145 *	Bank Run Gravel for Trench Backfill	450	TON	20.30	\$9,135.00	35.00	\$15,750.00	25.00	\$11,250.00
13150 *	Gravel Borrow, Including Haul & Compaction	30	TON	20.30	\$609.00	27.00	\$810.00	25.00	\$750.00
13155	Hot Plant Mix for Temporary Pavement Patch	30	TON	115.00	\$3,450.00	140.00	\$4,200.00	150.00	\$4,500.00
13160 *	HMA Class 1/2", PG 58V-22	30	TON	100.00	\$3,000.00	110.00	\$3,300.00	105.00	\$3,150.00
13165	Controlled Density Fill	50	CY	170.00	\$8,500.00	225.00	\$11,250.00	100.00	\$5,000.00
13195	Foundation Material, Class I & II	50	TON	45.00	\$2,250.00	50.00	\$2,500.00	30.00	\$1,500.00
SUB TOTAL					\$49,525.50	\$100,758.75	\$108,167.50		
10% SALES TAX					\$4,952.55	\$10,075.88	\$10,816.75		
SCHEDULE XIII TOTAL					\$54,478.05	\$110,834.63	\$118,984.25		

S. 228th St. Union Pacific Railroad Grade Separation Bridge & Roadway Phase 5

Bid Opening: March 26, 2019, 10:00 AM

				1		2			
				UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT
				Scarsella Bros., Inc. PO Box 68697 Seattle, WA 98168-0697		Rodarte Construction, Inc. 17 East Valley Highway E. Auburn, WA 98092		Engineer's Estimate Susanne Smith	
TOTAL				\$13,802,146.40		\$15,954,762.13		\$15,498,694.25	
ITEM NO.	DESCRIPTION	QTY	UNIT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT
SUMMARY:									
SCHEDULE I TOTAL					\$3,446,280.00		\$3,934,265.00		\$3,135,500.00
SCHEDULE II TOTAL					\$40,810.00		\$60,500.00		\$280,500.00
SCHEDULE IV TOTAL					\$1,605,046.85		\$1,467,180.00		\$1,178,430.00
SCHEDULE V TOTAL					\$433,090.00		\$642,000.00		\$633,000.00
SCHEDULE VI TOTAL					\$399,635.00		\$422,887.50		\$375,165.00
SCHEDULE VII TOTAL					\$89,650.00		\$86,310.00		\$107,450.00
SCHEDULE VIII TOTAL					\$72,500.00		\$97,000.00		\$85,500.00
SCHEDULE IX TOTAL					\$2,836,506.00		\$3,117,350.00		\$3,347,640.00
SCHEDULE X TOTAL					\$3,970,805.00		\$4,994,495.00		\$5,047,025.00
SCHEDULE XII TOTAL					\$853,345.50		\$1,021,940.00		\$1,189,500.00
SCHEDULE XIII TOTAL					\$54,478.05		\$110,834.63		\$118,984.25
CONSTRUCTION CONTRACT TOTAL					\$13,802,146.40		\$15,954,762.13		\$15,498,694.25