

# S. 228th St. Grade Separation at Union Pacific Railroad - Pier 2 Bridge Shaft Construction

Bid Opening: July 12, 2016, 11:00 AM

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SB Structures, LLC  
PO Box 68847  
Seattle, WA 98168

2  
Condon-Johnson & Associates  
9012 S. 208th St.  
Kent, WA 98031

Engineer's Estimate  
Mark Madfai

**TOTAL**

**\$912,323.00**

**\$1,087,481.00**

**\$975,254.00**

ITEM NO.	DESCRIPTION	QTY	UNIT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT
<b>SCHEDULE I: STREET</b>									
1000	Mobilization	1	LS	222,000.00	\$222,000.00	103,000.00	\$103,000.00	89,000.00	\$89,000.00
1005	Clearing & Grubbing	1	LS	500.00	\$500.00	5,000.00	\$5,000.00	10,000.00	\$10,000.00
1010	Remove Existing Asphalt Concrete Pavement	140	SY	30.00	\$4,200.00	96.00	\$13,440.00	15.00	\$2,100.00
1025	Remove Cement Concrete Curb & Gutter	40	LF	25.00	\$1,000.00	42.00	\$1,680.00	12.00	\$480.00
1040	Removal of Raised Pavement Markers & Painted &/or Thermoplastic Markings	1	LS	500.00	\$500.00	1,000.00	\$1,000.00	1,000.00	\$1,000.00
1050	Saw Cut Existing Asphalt Concrete Pavement	100	LF	8.00	\$800.00	2.00	\$200.00	5.00	\$500.00
1055	Saw Cut Existing Cement Concrete Pavement Curb & Gutter	6	LF	40.00	\$240.00	20.00	\$120.00	10.00	\$60.00
1060	Roadway Excavation Incl. Haul	52	CY	50.00	\$2,600.00	45.00	\$2,340.00	25.00	\$1,300.00
1085	Crushed Surfacing Base Course, 1-1/4" Minus	130	TON	40.00	\$5,200.00	50.00	\$6,500.00	40.00	\$5,200.00
1095	HMA Class 1/2", PG 64-22	60	TON	250.00	\$15,000.00	172.00	\$10,320.00	120.00	\$7,200.00
1125	Hot Plant Mix for Temporary Pavement Patch	30	TON	250.00	\$7,500.00	172.00	\$5,160.00	135.00	\$4,050.00
1205	Cement Concrete Curb & Gutter	40	LF	60.00	\$2,400.00	46.00	\$1,840.00	20.00	\$800.00
1210	Remove, Salvage & Reinstall Signal Mast Arm	1	LS	8,750.00	\$8,750.00	7,862.00	\$7,862.00	4,000.00	\$4,000.00
1270	Temporary Security Fencing	550	LF	6.00	\$3,300.00	3.10	\$1,705.00	10.00	\$5,500.00
1315	Pothole Utilities	10	EA	600.00	\$6,000.00	600.00	\$6,000.00	550.00	\$5,500.00
1320	Project Sign Installation	2	EA	500.00	\$1,000.00	900.00	\$1,800.00	400.00	\$800.00
1355	Minor Changes	1	CALC	10,000.00	\$10,000.00	10,000.00	\$10,000.00	10,000.00	\$10,000.00
<b>SCHEDULE I TOTAL</b>					<b>\$290,990.00</b>		<b>\$177,967.00</b>		<b>\$147,490.00</b>

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<b>SCHEDULE V: TRAFFIC CONTROL</b>									
5005	Traffic Control Labor	600	HR	51.50	\$30,900.00	53.21	\$31,926.00	45.00	\$27,000.00
5010	Construction Signs Class A	40	SF	35.00	\$1,400.00	50.00	\$2,000.00	25.00	\$1,000.00
5015	Traffic Control Supervisor	200	HR	75.00	\$15,000.00	66.20	\$13,240.00	55.00	\$11,000.00
5020	Temporary Traffic Control Devices	1	LS	5,000.00	\$5,000.00	8,000.00	\$8,000.00	15,000.00	\$15,000.00
5030	Portable Changeable Message Sign (PCMS)	210	DAY	75.00	\$15,750.00	110.00	\$23,100.00	75.00	\$15,750.00
5101	Raised Pavement Marker Type 1W	0.4	HUND	600.00	\$240.00	1,500.00	\$600.00	750.00	\$300.00
5103	Raised Pavement Marker Type 2W	0.1	HUND	600.00	\$60.00	1,500.00	\$150.00	750.00	\$75.00
5105	Raised Pavement Marker Type 1Y	1.2	HUND	600.00	\$720.00	1,500.00	\$1,800.00	750.00	\$900.00
5108	Raised Pavement Marker Type 2YY	0.2	HUND	600.00	\$120.00	1,500.00	\$300.00	750.00	\$150.00
5115	24" Plastic Stop Line	48	LF	10.00	\$480.00	10.00	\$480.00	12.00	\$576.00
5120	Plastic Crosswalk Line	176	SF	8.00	\$1,408.00	10.00	\$1,760.00	6.00	\$1,056.00
<b>SCHEDULE V TOTAL</b>					<b>\$71,078.00</b>		<b>\$83,356.00</b>		<b>\$72,807.00</b>
<b>SCHEDULE VII: TEMPORARY EROSION &amp; SEDIMENTATION CONTROL</b>									
7010	Straw Wattle	250	LF	10.00	\$2,500.00	15.00	\$3,750.00	5.00	\$1,250.00
7015	Inlet Protection	4	EA	125.00	\$500.00	80.00	\$320.00	100.00	\$400.00
7020	Filter Fabric Fence	250	LF	8.00	\$2,000.00	6.00	\$1,500.00	7.00	\$1,750.00
7025	Clear Plastic Covering	100	SY	5.00	\$500.00	1.00	\$100.00	4.00	\$400.00
7030	ESC Lead	150	HR	1.00	\$150.00	100.00	\$15,000.00	90.00	\$13,500.00
7040	Street Cleaning	100	HR	140.00	\$14,000.00	180.00	\$18,000.00	125.00	\$12,500.00
7075	SPCC Plan	1	LS	13,000.00	\$13,000.00	1,000.00	\$1,000.00	10,000.00	\$10,000.00
<b>SCHEDULE VII TOTAL</b>					<b>\$32,650.00</b>		<b>\$39,670.00</b>		<b>\$39,800.00</b>

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<b>TOTAL</b>				<b>\$912,323.00</b>		<b>\$1,087,481.00</b>		<b>\$975,254.00</b>	
ITEM NO.	DESCRIPTION	QTY	UNIT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT
<b>SCHEDULE IX: BRIDGE SHAFT INSTALLATION</b>									
9015	Soil Excavation for Shaft Including Haul	409	CY	300.00	\$122,700.00	1,061.00	\$433,949.00	550.00	\$224,950.00
9020	Furnishing & Placing Temporary Casing for 8.2 Foot Diameter Shaft	201	LF	295.00	\$59,295.00	20.00	\$4,020.00	300.00	\$60,300.00
9025	Furnishing Permanent Casing for 8.2 Foot Diameter Shaft	41	LF	535.00	\$21,935.00	421.00	\$17,261.00	600.00	\$24,600.00
9027	Placing Permanent Casing for 8.2 Foot Diameter Shaft	3	EA	1,100.00	\$3,300.00	4,900.00	\$14,700.00	1,000.00	\$3,000.00
9030	Concrete Class 4000P for Shaft	332	CY	250.00	\$83,000.00	289.00	\$95,948.00	450.00	\$149,400.00
9035	St. Reinf. Bar for Shaft	93,900	LB	1.05	\$98,595.00	1.08	\$101,412.00	1.35	\$126,765.00
9040	CSL Access Tube	1,656	LF	10.00	\$16,560.00	8.00	\$13,248.00	12.00	\$19,872.00
9045	CSL Test	3	EA	2,500.00	\$7,500.00	1,000.00	\$3,000.00	1,500.00	\$4,500.00
9047	Gravel Backfill for Drains	59	CY	80.00	\$4,720.00	50.00	\$2,950.00	30.00	\$1,770.00
9050	Removing Shaft Obstructions	1	FA	100,000.00	\$100,000.00	100,000.00	\$100,000.00	100,000.00	\$100,000.00
<b>SCHEDULE IX TOTAL</b>					<b>\$517,605.00</b>		<b>\$786,488.00</b>		<b>\$715,157.00</b>
<b>SUMMARY:</b>									
<b>SCHEDULE I TOTAL</b>					<b>\$290,990.00</b>		<b>\$177,967.00</b>		<b>\$147,490.00</b>
<b>SCHEDULE II TOTAL</b>					<b>\$71,078.00</b>		<b>\$83,356.00</b>		<b>\$72,807.00</b>
<b>SCHEDULE III TOTAL</b>					<b>\$32,650.00</b>		<b>\$39,670.00</b>		<b>\$39,800.00</b>
<b>SCHEDULE IV TOTAL</b>					<b>\$517,605.00</b>		<b>\$786,488.00</b>		<b>\$715,157.00</b>
<b>CONSTRUCTION CONTRACT TOTAL</b>					<b>\$912,323.00</b>		<b>\$1,087,481.00</b>		<b>\$975,254.00</b>