

# 2023 Railroad Quiet Zone BNSF Railroad Crossing Improvements

Bid Opening: January 31, 2023, 11:00 AM

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2023 Railroad Quiet Zone BNSF Railroad Crossing Improvements				1		2		3		4	
Global Contractors, LLC 127 Mashell Avenue N., PMB 53 Eatonville, WA 98328				ICON Materials 1508 Valentine Avenue SE Pacific, WA 98047-2103		Northwest Cascade, Inc. PO Box 73399 Puyallup, WA 98373		TITAN Earthwork 1585 Valentine Avenue SE Pacific, WA 98047			
<b>TOTAL</b>				<b>\$1,448,693.00</b>		<b>\$1,542,346.50</b>		<b>\$1,795,550.00</b>		<b>\$1,911,311.00</b>	
ITEM NO.	DESCRIPTION	QTY	UNIT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT
<b>SCHEDULE I: STREET</b>											
1000	Mobilization	1	LS	80,000.00	\$80,000.00	115,200.00	\$115,200.00	182,000.00	\$182,000.00	126,144.00	\$126,144.00
1005	Clearing and Grubbing	1	LS	2,500.00	\$2,500.00	575.00	\$575.00	27,000.00	\$27,000.00	2,500.00	\$2,500.00
1010	Remove Existing Asphalt Concrete Pavement	3,100	SY	50.00	\$155,000.00	17.50	\$54,250.00	10.25	\$31,775.00	25.00	\$77,500.00
1015	Remove Existing Cement Concrete Pavement	25	SY	100.00	\$2,500.00	128.50	\$3,212.50	13.00	\$325.00	35.00	\$875.00
1020	Remove Cement Concrete Sidewalk	80	SY	70.00	\$5,600.00	69.00	\$5,520.00	12.25	\$980.00	82.00	\$6,560.00
1025	Remove Cement Concrete Curb and Gutter	110	LF	15.00	\$1,650.00	49.75	\$5,472.50	7.50	\$825.00	23.50	\$2,585.00
1026	Remove and Salvage Existing Bolt-Down Curb and Pylons to the City of Kent	700	LF	10.00	\$7,000.00	10.00	\$7,000.00	9.25	\$6,475.00	3.75	\$2,625.00
1030	Remove Cement Concrete Extruded Curb	980	LF	5.00	\$4,900.00	15.00	\$14,700.00	5.00	\$4,900.00	3.00	\$2,940.00
1040	Removal of Raised Pavement Markers and Painted and/or Thermoplastic Traffic Markings	1	LS	43,250.00	\$43,250.00	49,700.00	\$49,700.00	48,500.00	\$48,500.00	3,000.00	\$3,000.00
1045	Removal of Traffic Signs	1	LS	5,000.00	\$5,000.00	345.00	\$345.00	450.00	\$450.00	2,500.00	\$2,500.00
1050	Saw Cut Existing Asphalt Concrete Pavement	4,750	LF	1.00	\$4,750.00	2.35	\$11,162.50	4.00	\$19,000.00	5.50	\$26,125.00
1055	Saw Cut Existing Cement Concrete Pavement	50	LF	20.00	\$1,000.00	2.35	\$117.50	5.00	\$250.00	11.00	\$550.00
1060	Roadway Excavation Including Haul	50	CY	100.00	\$5,000.00	105.00	\$5,250.00	71.50	\$3,575.00	131.00	\$6,550.00
1065	Unsuitable Foundation Excavation Including Haul	10	CY	100.00	\$1,000.00	170.00	\$1,700.00	71.50	\$715.00	121.00	\$1,210.00
1075	Gravel Borrow, Including Haul and Compaction	50	TON	65.00	\$3,250.00	23.00	\$1,150.00	42.50	\$2,125.00	69.00	\$3,450.00
1080	Crushed Surfacing Top Course, 5/8 Inch Minus	2,000	TON	50.00	\$100,000.00	55.50	\$111,000.00	48.50	\$97,000.00	44.00	\$88,000.00
1095	HMA Class 1/2, PG 58V-22	800	TON	210.00	\$168,000.00	200.00	\$160,000.00	264.00	\$211,200.00	331.00	\$264,800.00
1125	Detectable Warning Surface	30	SF	50.00	\$1,500.00	63.25	\$1,897.50	63.00	\$1,890.00	92.00	\$2,760.00
1140	Cement Concrete Driveway, 8 Inch Depth, Reinforced	415	SY	100.00	\$41,500.00	144.90	\$60,133.50	187.00	\$77,605.00	320.00	\$132,800.00
1145	Cement Concrete Sidewalk	330	SY	72.00	\$23,760.00	82.80	\$27,324.00	104.00	\$34,320.00	140.00	\$46,200.00
1146	Cement Concrete Sidewalk with Thickened Edge	80	SY	150.00	\$12,000.00	316.25	\$25,300.00	335.00	\$26,800.00	227.00	\$18,160.00
1150	Cement Concrete Non-Walking Surface	285	SY	180.00	\$51,300.00	124.20	\$35,397.00	145.00	\$41,325.00	252.00	\$71,820.00
1190	Cement Concrete Sidewalk Ramp Type Single Direction A	16	EA	2,000.00	\$32,000.00	3,335.00	\$53,360.00	4,900.00	\$78,400.00	3,745.00	\$59,920.00
1205	Cement Concrete Curb and Gutter	605	LF	70.00	\$42,350.00	36.80	\$22,264.00	53.00	\$32,065.00	86.00	\$52,030.00
1210	Yellow Painted Single-Face Reinforced Cement Concrete Traffic Curb	1,150	LF	54.00	\$62,100.00	56.00	\$64,400.00	70.00	\$80,500.00	90.00	\$103,500.00
1211	Pedestrian Curb	230	LF	40.00	\$9,200.00	30.00	\$6,900.00	37.00	\$8,510.00	87.50	\$20,125.00
1213	Yellow Painted Dual-Face Reinforced Cement Concrete Traffic Curb	1,550	LF	60.00	\$93,000.00	84.50	\$130,975.00	98.00	\$151,900.00	90.00	\$139,500.00
1215	Adjust Existing Sanitary Sewer Cleanout to Finished Grade	1	EA	1,000.00	\$1,000.00	345.00	\$345.00	600.00	\$600.00	425.00	\$425.00
1220	Adjust Existing Catch Basin Grate or Curb Inlet Grate to Finished Grade	1	EA	1,000.00	\$1,000.00	345.00	\$345.00	420.00	\$420.00	500.00	\$500.00
1227	Adjust Existing Manhole Cover to Finished Grade	2	EA	1,000.00	\$2,000.00	345.00	\$690.00	600.00	\$1,200.00	625.00	\$1,250.00
1230	Adjust Existing Valve Box Top Section and Lid to Finished Grade	3	EA	500.00	\$1,500.00	345.00	\$1,035.00	600.00	\$1,800.00	325.00	\$975.00
1241	Non-skid Type 1 Junction Box Frame and Cover	3	EA	1,000.00	\$3,000.00	1,725.00	\$5,175.00	2,100.00	\$6,300.00	1,500.00	\$4,500.00
1245	Adjusting Existing Monument, Case and Cover to Finished Grade	3	EA	1,000.00	\$3,000.00	345.00	\$1,035.00	900.00	\$2,700.00	420.00	\$1,260.00

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				<b>TOTAL</b>		<b>\$1,448,693.00</b>		<b>\$1,542,346.50</b>		<b>\$1,795,550.00</b>		<b>\$1,911,311.00</b>	
ITEM NO.	DESCRIPTION	QTY	UNIT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT		
1255	Remove Fence	500	LF	15.00	\$7,500.00	11.50	\$5,750.00	20.00	\$10,000.00	18.00	\$9,000.00		
1256	Install New Fence	1,650	LF	56.00	\$92,400.00	63.00	\$103,950.00	63.00	\$103,950.00	67.00	\$110,550.00		
1295	Handrail	10	LF	100.00	\$1,000.00	580.00	\$5,800.00	585.00	\$5,850.00	400.00	\$4,000.00		
1315	Pothole Utilities	30	EA	250.00	\$7,500.00	135.00	\$4,050.00	700.00	\$21,000.00	950.00	\$28,500.00		
1355	Minor Changes	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		
1505	Traffic Control Labor	1,100	HR	50.00	\$55,000.00	71.00	\$78,100.00	75.00	\$82,500.00	100.00	\$110,000.00		
1510	Construction Signs Class A	300	SF	5.00	\$1,500.00	9.00	\$2,700.00	45.00	\$13,500.00	14.00	\$4,200.00		
1515	Traffic Control Supervisor	600	HR	55.00	\$33,000.00	78.00	\$46,800.00	80.00	\$48,000.00	100.00	\$60,000.00		
1520	Temporary Traffic Control Devices	1	LS	30,000.00	\$30,000.00	4,000.00	\$4,000.00	10,000.00	\$10,000.00	7,500.00	\$7,500.00		
1525	Portable Changeable Message Sign (PCMS)	350	DAY	40.00	\$14,000.00	46.00	\$16,100.00	95.00	\$33,250.00	98.00	\$34,300.00		
1530	Type III Barricade	8	EA	50.00	\$400.00	5.75	\$46.00	160.00	\$1,280.00	225.00	\$1,800.00		
1535	Sequential Arrow Sign (SAS)	100	DAY	25.00	\$2,500.00	27.00	\$2,700.00	11.00	\$1,100.00	32.00	\$3,200.00		
1540	Permanent Signing	1	LS	42,750.00	\$42,750.00	46,000.00	\$46,000.00	47,000.00	\$47,000.00	20,000.00	\$20,000.00		
1541	Solar-Powered LED 'Do Not Stop on Tracks' Sign	14	EA	3,572.00	\$50,008.00	5,577.50	\$78,085.00	5,500.00	\$77,000.00	7,250.00	\$101,500.00		
1548	Temporary Pavement Marking - Short Duration	5,000	LF	1.00	\$5,000.00	0.30	\$1,500.00	1.25	\$6,250.00	2.00	\$10,000.00		
1559	Flexible Post	16	EA	175.00	\$2,800.00	200.00	\$3,200.00	200.00	\$3,200.00	200.00	\$3,200.00		
1560	Traffic Pylon	33	EA	200.00	\$6,600.00	230.00	\$7,590.00	225.00	\$7,425.00	300.00	\$9,900.00		
1561	Plastic Curb	50	LF	150.00	\$7,500.00	172.00	\$8,600.00	168.00	\$8,400.00	31.00	\$1,550.00		
1570	Raised Pavement Marker Type 2	1	HUND	2,500.00	\$2,500.00	2,875.00	\$2,875.00	2,750.00	\$2,750.00	760.00	\$760.00		
1585	Single Solid Plastic Edge Line	2,350	LF	4.50	\$10,575.00	5.00	\$11,750.00	5.00	\$11,750.00	7.00	\$16,450.00		
1586	Plastic Diagonal Line	500	LF	10.00	\$5,000.00	11.50	\$5,750.00	11.00	\$5,500.00	7.00	\$3,500.00		
1595	Profiled Plastic Double Yellow Center Line	350	LF	20.00	\$7,000.00	23.00	\$8,050.00	22.00	\$7,700.00	12.00	\$4,200.00		
1605	Profiled Plastic Skip Lane Line	1,050	LF	5.00	\$5,250.00	5.75	\$6,037.50	6.00	\$6,300.00	10.00	\$10,500.00		
1615	Plastic Crosswalk Line	140	SF	25.00	\$3,500.00	28.75	\$4,025.00	28.00	\$3,920.00	14.00	\$1,960.00		
1625	Plastic Stop Line	300	LF	30.00	\$9,000.00	34.50	\$10,350.00	33.50	\$10,050.00	12.00	\$3,600.00		
1630	Plastic Traffic Arrow	20	EA	125.00	\$2,500.00	144.00	\$2,880.00	135.00	\$2,700.00	175.00	\$3,500.00		
1635	Plastic Traffic Letter	4	EA	200.00	\$800.00	230.00	\$920.00	225.00	\$900.00	88.00	\$352.00		
1665	Plastic Railroad Crossing Symbol	20	EA	1,350.00	\$27,000.00	1,550.00	\$31,000.00	1,500.00	\$30,000.00	450.00	\$9,000.00		
1700	Inlet Protection	35	EA	40.00	\$1,400.00	45.00	\$1,575.00	77.00	\$2,695.00	120.00	\$4,200.00		
1740	SPCC Plan	1	LS	2,500.00	\$2,500.00	172.00	\$172.00	500.00	\$500.00	4,950.00	\$4,950.00		
1750	Street Cleaning	120	HR	60.00	\$7,200.00	218.00	\$26,160.00	125.00	\$15,000.00	200.00	\$24,000.00		
1755	Erosion/Water Pollution Control	1	FA	1,500.00	\$1,500.00	1,500.00	\$1,500.00	1,500.00	\$1,500.00	1,500.00	\$1,500.00		
1830	Hand Seeding	200	SY	2.00	\$400.00	7.00	\$1,400.00	4.50	\$900.00	6.00	\$1,200.00		
1835	Topsoil Type A	50	CY	150.00	\$7,500.00	100.00	\$5,000.00	105.00	\$5,250.00	76.00	\$3,800.00		
<b>CONSTRUCTION CONTRACT TOTAL</b>				<b>\$1,448,693.00</b>		<b>\$1,542,346.50</b>		<b>\$1,795,550.00</b>		<b>\$1,911,311.00</b>			

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5

Road Construction Northwest, Inc.  
PO Box 2228  
Renton, WA 98056

Engineer's Estimate  
Toby Hallock

**TOTAL**

**\$2,050,557.50**

**\$1,810,015.00**

ITEM NO.	DESCRIPTION	QTY	UNIT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT
<b>SCHEDULE I: STREET</b>							
1000	Mobilization	1	LS	200,000.00	\$200,000.00	127,000.00	\$127,000.00
1005	Clearing and Grubbing	1	LS	23,000.00	\$23,000.00	15,000.00	\$15,000.00
1010	Remove Existing Asphalt Concrete Pavement	3,100	SY	5.00	\$15,500.00	25.00	\$77,500.00
1015	Remove Existing Cement Concrete Pavement	25	SY	46.00	\$1,150.00	40.00	\$1,000.00
1020	Remove Cement Concrete Sidewalk	80	SY	14.50	\$1,160.00	30.00	\$2,400.00
1025	Remove Cement Concrete Curb and Gutter	110	LF	12.50	\$1,375.00	15.00	\$1,650.00
1026	Remove and Salvage Existing Bolt-Down Curb and Pylons to the City of Kent	700	LF	11.00	\$7,700.00	30.00	\$21,000.00
1030	Remove Cement Concrete Extruded Curb	980	LF	9.50	\$9,310.00	15.00	\$14,700.00
1040	Removal of Raised Pavement Markers and Painted and/or Thermoplastic Traffic Markings	1	LS	85,000.00	\$85,000.00	10,000.00	\$10,000.00
1045	Removal of Traffic Signs	1	LS	1,200.00	\$1,200.00	7,000.00	\$7,000.00
1050	Saw Cut Existing Asphalt Concrete Pavement	4,750	LF	5.00	\$23,750.00	7.00	\$33,250.00
1055	Saw Cut Existing Cement Concrete Pavement	50	LF	21.00	\$1,050.00	7.00	\$350.00
1060	Roadway Excavation Including Haul	50	CY	125.00	\$6,250.00	100.00	\$5,000.00
1065	Unsuitable Foundation Excavation Including Haul	10	CY	66.00	\$660.00	100.00	\$1,000.00
1075	Gravel Borrow, Including Haul and Compaction	50	TON	52.25	\$2,612.50	50.00	\$2,500.00
1080	Crushed Surfacing Top Course, 5/8 Inch Minus	2,000	TON	24.00	\$48,000.00	60.00	\$120,000.00
1095	HMA Class 1/2, PG 58V-22	800	TON	215.00	\$172,000.00	220.00	\$176,000.00
1125	Detectable Warning Surface	30	SF	85.00	\$2,550.00	100.00	\$3,000.00
1140	Cement Concrete Driveway, 8 Inch Depth, Reinforced	415	SY	240.00	\$99,600.00	130.00	\$53,950.00
1145	Cement Concrete Sidewalk	330	SY	101.00	\$33,330.00	90.00	\$29,700.00
1146	Cement Concrete Sidewalk with Thickened Edge	80	SY	148.00	\$11,840.00	200.00	\$16,000.00
1150	Cement Concrete Non-Walking Surface	285	SY	350.00	\$99,750.00	150.00	\$42,750.00
1190	Cement Concrete Sidewalk Ramp Type Single Direction A	16	EA	6,250.00	\$100,000.00	3,000.00	\$48,000.00
1205	Cement Concrete Curb and Gutter	605	LF	63.00	\$38,115.00	45.00	\$27,225.00
1210	Yellow Painted Single-Face Reinforced Cement Concrete Traffic Curb	1,150	LF	84.00	\$96,600.00	75.00	\$86,250.00
1211	Pedestrian Curb	230	LF	47.00	\$10,810.00	35.00	\$8,050.00
1213	Yellow Painted Dual-Face Reinforced Cement Concrete Traffic Curb	1,550	LF	97.00	\$150,350.00	80.00	\$124,000.00
1215	Adjust Existing Sanitary Sewer Cleanout to Finished Grade	1	EA	675.00	\$675.00	700.00	\$700.00
1220	Adjust Existing Catch Basin Grate or Curb Inlet Grate to Finished Grade	1	EA	1,100.00	\$1,100.00	1,200.00	\$1,200.00
1227	Adjust Existing Manhole Cover to Finished Grade	2	EA	1,100.00	\$2,200.00	950.00	\$1,900.00
1230	Adjust Existing Valve Box Top Section and Lid to Finished Grade	3	EA	675.00	\$2,025.00	700.00	\$2,100.00
1241	Non-skid Type 1 Junction Box Frame and Cover	3	EA	2,000.00	\$6,000.00	1,500.00	\$4,500.00
1245	Adjusting Existing Monument, Case and Cover to Finished Grade	3	EA	675.00	\$2,025.00	700.00	\$2,100.00

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PO Box 2228  
Renton, WA 98056

Engineer's Estimate  
Toby Hallock

**TOTAL**

**\$2,050,557.50**

**\$1,810,015.00**

ITEM NO.	DESCRIPTION	QTY	UNIT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT
1255	Remove Fence	500	LF	10.00	\$5,000.00	20.00	\$10,000.00
1256	Install New Fence	1,650	LF	75.00	\$123,750.00	90.00	\$148,500.00
1295	Handrail	10	LF	500.00	\$5,000.00	200.00	\$2,000.00
1315	Pothole Utilities	30	EA	780.00	\$23,400.00	1,000.00	\$30,000.00
1355	Minor Changes	1	CALC	25,000.00	\$25,000.00	25,000.00	\$25,000.00
1505	Traffic Control Labor	1,100	HR	86.00	\$94,600.00	90.00	\$99,000.00
1510	Construction Signs Class A	300	SF	45.00	\$13,500.00	25.00	\$7,500.00
1515	Traffic Control Supervisor	600	HR	90.00	\$54,000.00	120.00	\$72,000.00
1520	Temporary Traffic Control Devices	1	LS	17,500.00	\$17,500.00	80,000.00	\$80,000.00
1525	Portable Changeable Message Sign (PCMS)	350	DAY	25.00	\$8,750.00	100.00	\$35,000.00
1530	Type III Barricade	8	EA	250.00	\$2,000.00	1,500.00	\$12,000.00
1535	Sequential Arrow Sign (SAS)	100	DAY	15.00	\$1,500.00	60.00	\$6,000.00
1540	Permanent Signing	1	LS	80,000.00	\$80,000.00	40,000.00	\$40,000.00
1541	Solar-Powered LED 'Do Not Stop on Tracks' Sign	14	EA	13,000.00	\$182,000.00	3,000.00	\$42,000.00
1548	Temporary Pavement Marking - Short Duration	5,000	LF	1.00	\$5,000.00	1.00	\$5,000.00
1559	Flexible Post	16	EA	200.00	\$3,200.00	100.00	\$1,600.00
1560	Traffic Pylon	33	EA	200.00	\$6,600.00	120.00	\$3,960.00
1561	Plastic Curb	50	LF	265.00	\$13,250.00	200.00	\$10,000.00
1570	Raised Pavement Marker Type 2	1	HUND	2,650.00	\$2,650.00	2,000.00	\$2,000.00
1585	Single Solid Plastic Edge Line	2,350	LF	6.00	\$14,100.00	6.00	\$14,100.00
1586	Plastic Diagonal Line	500	LF	13.00	\$6,500.00	8.00	\$4,000.00
1595	Profiled Plastic Double Yellow Center Line	350	LF	26.50	\$9,275.00	20.00	\$7,000.00
1605	Profiled Plastic Skip Lane Line	1,050	LF	6.50	\$6,825.00	6.00	\$6,300.00
1615	Plastic Crosswalk Line	140	SF	33.00	\$4,620.00	12.00	\$1,680.00
1625	Plastic Stop Line	300	LF	40.00	\$12,000.00	18.00	\$5,400.00
1630	Plastic Traffic Arrow	20	EA	165.00	\$3,300.00	250.00	\$5,000.00
1635	Plastic Traffic Letter	4	EA	275.00	\$1,100.00	1,500.00	\$6,000.00
1665	Plastic Railroad Crossing Symbol	20	EA	2,200.00	\$44,000.00	1,000.00	\$20,000.00
1700	Inlet Protection	35	EA	100.00	\$3,500.00	100.00	\$3,500.00
1740	SPCC Plan	1	LS	750.00	\$750.00	4,000.00	\$4,000.00
1750	Street Cleaning	120	HR	95.00	\$11,400.00	160.00	\$19,200.00
1755	Erosion/Water Pollution Control	1	FA	1,500.00	\$1,500.00	1,500.00	\$1,500.00
1830	Hand Seeding	200	SY	24.00	\$4,800.00	50.00	\$10,000.00
1835	Topsoil Type A	50	CY	70.00	\$3,500.00	80.00	\$4,000.00
<b>CONSTRUCTION CONTRACT TOTAL</b>					<b>\$2,050,557.50</b>		<b>\$1,810,015.00</b>