

Kent Regional Trails Connector				1		2		3		4		5	
Bid Opening: August 11, 2015, 11:00 AM				DPK, Inc. 7829 S. 206th St. Kent, WA 98032		Razz Construction, Inc. 4055 Hammer Dr. Bellingham, WA 98226		3 Kings Environmental, Inc. PO Box 280 Battle Ground, WA 98604		Jansen, Inc. 1215 W. Holly St. Bellingham, WA 98225		Road Construction Northwest, Inc. PO Box 188 Renton, WA 98057-0188	
TOTAL				\$1,729,427.00		\$1,730,389.60		\$1,759,657.50		\$1,769,035.69		\$1,885,156.50	
ITEM NO.	DESCRIPTION	QTY	UNIT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT
SCHEDULE I: MULTI-USE TRAIL													
1000	Moblization	1	LS	175,000.00	\$175,000.00	172,000.00	\$172,000.00	145,000.00	\$145,000.00	156,511.00	\$156,511.00	160,000.00	\$160,000.00
1005	Clearing & Grubbing	1	LS	56,000.00	\$56,000.00	40,000.00	\$40,000.00	77,000.00	\$77,000.00	151,600.00	\$151,600.00	25,000.00	\$25,000.00
1007	Remove Existing Street Tree & Stump	1	EA	1,500.00	\$1,500.00	2,500.00	\$2,500.00	1,000.00	\$1,000.00	615.00	\$615.00	1,500.00	\$1,500.00
1010	Remove Existing Asphalt Concrete Pavement	630	SY	12.00	\$7,560.00	13.00	\$8,190.00	14.20	\$8,946.00	10.22	\$6,438.60	10.00	\$6,300.00
1015	Roadside Cleanup	1	FA	1,000.00	\$1,000.00	1,000.00	\$1,000.00	1,000.00	\$1,000.00	1,000.00	\$1,000.00	1,000.00	\$1,000.00
1020	Remove Cement Concrete Sidewalk	1,200	SY	10.00	\$12,000.00	5.00	\$6,000.00	7.00	\$8,400.00	12.05	\$14,460.00	10.00	\$12,000.00
1025	Remove Cement Concrete Curb & Gutter	150	LF	6.00	\$900.00	5.00	\$750.00	4.00	\$600.00	11.77	\$1,765.50	5.00	\$750.00
1040	Removal of Raised Pavement Markers & Painted &/or Thermoplastic Traffic Markings	1	LS	1,050.00	\$1,050.00	1,200.00	\$1,200.00	2,800.00	\$2,800.00	1,102.00	\$1,102.00	1,250.00	\$1,250.00
1045	Removal & Reinstallation of Traffic & Informational Signs	1	LS	550.00	\$550.00	1,200.00	\$1,200.00	8,960.00	\$8,960.00	700.00	\$700.00	1,000.00	\$1,000.00
1050	Saw Cut Existing Asphalt Concrete Pavement	300	LF	2.50	\$750.00	4.00	\$1,200.00	3.00	\$900.00	4.20	\$1,260.00	4.00	\$1,200.00
1055	Saw Cut Existing Cement Concrete Pavement	100	LF	6.00	\$600.00	12.00	\$1,200.00	5.00	\$500.00	5.25	\$525.00	10.00	\$1,000.00
1060	Trail Excavation Incl. Haul	1,450	CY	24.00	\$34,800.00	16.00	\$23,200.00	36.25	\$52,562.50	29.43	\$42,673.50	60.00	\$87,000.00
1065	Unsuitable Foundation Excavation Incl. Haul	100	CY	35.00	\$3,500.00	21.00	\$2,100.00	43.75	\$4,375.00	28.34	\$2,834.00	40.00	\$4,000.00
1070	Gravel Backfill for S.E. Walls	1,500	TON	30.00	\$45,000.00	29.00	\$43,500.00	14.50	\$21,750.00	22.02	\$33,030.00	28.00	\$42,000.00
1075	Gravel Borrow, Including Haul & Compaction	1,900	TON	24.00	\$45,600.00	26.00	\$49,400.00	19.00	\$36,100.00	21.98	\$41,762.00	30.00	\$57,000.00
1080	Crushed Surfacing Top Course, 5/8" Minus	2,000	TON	35.00	\$70,000.00	23.00	\$46,000.00	19.25	\$38,500.00	25.67	\$51,340.00	28.00	\$56,000.00
1085	Crushed Surfacing Base Course, 1-1/4" Minus	900	TON	32.00	\$28,800.00	25.00	\$22,500.00	25.00	\$22,500.00	26.63	\$23,967.00	28.00	\$25,200.00
1095	HMA Class 1/2", PG 64-22	540	TON	130.00	\$70,200.00	120.00	\$64,800.00	105.00	\$56,700.00	109.20	\$58,968.00	100.00	\$54,000.00
1100	HMA Class 1/2", PG 70-22 - Pervious Asphalt	350	TON	140.00	\$49,000.00	145.00	\$50,750.00	116.00	\$40,600.00	126.00	\$44,100.00	120.00	\$42,000.00
1125	Cold Plant Mix for Temporary Pavement Patch	40	TON	120.00	\$4,800.00	320.00	\$12,800.00	103.00	\$4,120.00	230.72	\$9,228.80	200.00	\$8,000.00
1150	Industrial Cement Concrete Driveway Approach	145	SY	35.00	\$5,075.00	63.00	\$9,135.00	198.00	\$28,710.00	157.62	\$22,854.90	65.00	\$9,425.00
1155	Detectable Warning Surface	250	SF	8.00	\$2,000.00	40.00	\$10,000.00	39.00	\$9,750.00	36.75	\$9,187.50	30.00	\$7,500.00
1205	Cement Concrete Curb & Gutter	150	LF	58.00	\$8,700.00	27.00	\$4,050.00	58.75	\$8,812.50	53.68	\$8,052.00	32.00	\$4,800.00
1210	Concrete Sloped Mountable Curb	445	LF	26.00	\$11,570.00	28.00	\$12,460.00	38.50	\$17,132.50	25.72	\$11,445.40	28.00	\$12,460.00
1235	Adjust Existing Air Vacuum Vault to Finished Grade	1	EA	2,500.00	\$2,500.00	650.00	\$650.00	1,661.00	\$1,661.00	1,216.00	\$1,216.00	1,500.00	\$1,500.00
1240	Relocate Existing Junction Box & Adjust to Finished Grade	1	EA	415.00	\$415.00	600.00	\$600.00	330.00	\$330.00	1,216.00	\$1,216.00	2,000.00	\$2,000.00
1267	Remove & Relocate Existing Bollard	11	EA	200.00	\$2,200.00	215.00	\$2,365.00	225.00	\$2,475.00	328.18	\$3,609.98	250.00	\$2,750.00
1275	Quarry Spalls	250	TON	50.00	\$12,500.00	36.00	\$9,000.00	29.00	\$7,250.00	34.64	\$8,660.00	45.00	\$11,250.00
1280	Install New 4' High, Vinyl Coated, Chain Link Fence	1,440	LF	21.00	\$30,240.00	20.00	\$28,800.00	22.00	\$31,680.00	20.78	\$29,923.20	23.00	\$33,120.00
1290	Install City Supplied Fixed or Removable Bollards	6	EA	125.00	\$750.00	235.00	\$1,410.00	179.00	\$1,074.00	400.00	\$2,400.00	310.00	\$1,860.00
1297	Pin Pile Boardwalk	1	LS	81,000.00	\$81,000.00	138,000.00	\$138,000.00	100,000.00	\$100,000.00	142,123.00	\$142,123.00	100,000.00	\$100,000.00
1300	Gravity Block Retaining Wall	2,800	SFWF	26.00	\$72,800.00	24.00	\$67,200.00	28.50	\$79,800.00	13.25	\$37,100.00	36.00	\$100,800.00
1305	Welded Wire Faced Structural Earth Wall	2,300	SFWF	40.00	\$92,000.00	23.00	\$52,900.00	42.00	\$96,600.00	26.75	\$61,525.00	35.00	\$80,500.00
1315	Pothole Utilities	7	EA	600.00	\$4,200.00	500.00	\$3,500.00	600.00	\$4,200.00	464.39	\$3,250.73	450.00	\$3,150.00
1320	Project Sign Installation	3	EA	865.00	\$2,595.00	900.00	\$2,700.00	500.00	\$1,500.00	359.90	\$1,079.70	750.00	\$2,250.00
1360	Minor Changes	1	CALC	10,000.00	\$10,000.00	10,000.00	\$10,000.00	10,000.00	\$10,000.00	10,000.00	\$10,000.00	10,000.00	\$10,000.00
SCHEDULE I TOTAL				\$947,155.00		\$903,060.00		\$933,288.50		\$997,523.81		\$969,565.00	

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TOTAL				\$1,729,427.00		\$1,730,389.60		\$1,759,657.50		\$1,769,035.69		\$1,885,156.50	
ITEM NO.	DESCRIPTION	QTY	UNIT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT
SCHEDULE II: ROADSIDE RESTORATION													
2000	PSIPE Cornus sericea	95	EA	11.00	\$1,045.00	11.00	\$1,045.00	17.00	\$1,615.00	9.84	\$934.80	18.00	\$1,710.00
2001	PSIPE Abelia 'Edward Goucher'; 5 Gallon	50	EA	41.00	\$2,050.00	30.00	\$1,500.00	39.00	\$1,950.00	9.52	\$476.00	40.00	\$2,000.00
2002	PSIPE Spiraea japonica 'Dolchica'; 1 Gallon	75	EA	15.00	\$1,125.00	33.00	\$2,475.00	17.00	\$1,275.00	7.47	\$560.25	18.00	\$1,350.00
2003	PSIPE Hebe albicans 'Red Edge'; 1 Gallon	280	EA	16.00	\$4,480.00	33.00	\$9,240.00	17.00	\$4,760.00	7.37	\$2,063.60	18.00	\$5,040.00
2004	PSIPE Prunus laurocerasus 'Mount Vernon'; 1 Gallon	140	EA	17.00	\$2,380.00	11.00	\$1,540.00	17.00	\$2,380.00	7.37	\$1,031.80	18.00	\$2,520.00
2005	PSIPE Lavendula angustifolias; 1 Gallon	75	EA	13.00	\$975.00	11.00	\$825.00	17.00	\$1,275.00	7.24	\$543.00	18.00	\$1,350.00
2006	PSIPE Calluna vulgaris 'Spring Torch'; 1 Gallon	115	EA	13.00	\$1,495.00	15.00	\$1,725.00	17.00	\$1,955.00	7.36	\$846.40	18.00	\$2,070.00
2007	PSIPE Nandina domestica 'Monfar'; 5 Gallon	210	EA	40.00	\$8,400.00	45.00	\$9,450.00	39.00	\$8,190.00	7.37	\$1,547.70	40.00	\$8,400.00
2010	Topsoil Type A	220	CY	40.00	\$8,800.00	36.00	\$7,920.00	45.00	\$9,900.00	62.56	\$13,763.20	45.00	\$9,900.00
2012	Compost	1,000	SY	7.00	\$7,000.00	0.50	\$500.00	5.60	\$5,600.00	10.90	\$10,900.00	6.00	\$6,000.00
2015	Wood Chip Mulch	1,000	SY	6.00	\$6,000.00	0.50	\$500.00	5.50	\$5,500.00	8.33	\$8,330.00	6.00	\$6,000.00
2020	64th Ave. S. Irrigation System	1	LS	38,000.00	\$38,000.00	49,000.00	\$49,000.00	48,720.00	\$48,720.00	42,940.00	\$42,940.00	54,000.00	\$54,000.00
2025	Irrigation Water Connection	1	LS	2,000.00	\$2,000.00	6,000.00	\$6,000.00	5,600.00	\$5,600.00	2,825.00	\$2,825.00	3,000.00	\$3,000.00
2030	Irrigation Power Connection	1	LS	750.00	\$750.00	6,000.00	\$6,000.00	16,000.00	\$16,000.00	4,523.00	\$4,523.00	8,500.00	\$8,500.00
SCHEDULE II TOTAL				\$84,500.00		\$97,720.00		\$114,720.00		\$91,284.75		\$111,840.00	
SCHEDULE V: TRAFFIC CONTROL													
5005	Traffic Control Labor	320	HR	45.00	\$14,400.00	65.00	\$20,800.00	55.00	\$17,600.00	60.88	\$19,481.60	65.00	\$20,800.00
5010	Construction Signs Class A	270	SF	17.00	\$4,590.00	15.00	\$4,050.00	25.00	\$6,750.00	20.57	\$5,553.90	20.00	\$5,400.00
5015	Traffic Control Supervisor	80	HR	52.00	\$4,160.00	75.00	\$6,000.00	57.00	\$4,560.00	71.82	\$5,745.60	65.00	\$5,200.00
5020	Temporary Traffic Control Devices	1	LS	2,000.00	\$2,000.00	7,500.00	\$7,500.00	4,500.00	\$4,500.00	2,825.00	\$2,825.00	6,500.00	\$6,500.00
5030	Portable Changeable Message Sign (PCMS)	20	DAY	30.00	\$600.00	225.00	\$4,500.00	140.00	\$2,800.00	84.75	\$1,695.00	90.00	\$1,800.00
5035	Sequential Arrow Sign (SAS)	20	DAY	10.00	\$200.00	150.00	\$3,000.00	55.00	\$1,100.00	84.75	\$1,695.00	18.00	\$360.00
5075	Permanent Channelization	1	LS	2,850.00	\$2,850.00	2,900.00	\$2,900.00	1,400.00	\$1,400.00	2,992.00	\$2,992.00	3,500.00	\$3,500.00
5115	Plastic Stop Line	150	LF	6.00	\$900.00	6.00	\$900.00	13.50	\$2,025.00	6.30	\$945.00	7.25	\$1,087.50
5120	Plastic Crosswalk Line	650	SF	4.50	\$2,925.00	4.50	\$2,925.00	6.75	\$4,387.50	4.84	\$3,146.00	5.50	\$3,575.00
SCHEDULE V TOTAL				\$32,625.00		\$52,575.00		\$45,122.50		\$44,079.10		\$48,222.50	
SCHEDULE VI: STRUCTURES													
6000	Superstructure (Pedestrian Bridge)	1	LS	90,607.00	\$90,607.00	80,000.00	\$80,000.00	55,000.00	\$55,000.00	88,064.00	\$88,064.00	138,000.00	\$138,000.00
6005	Structure Excavation Class A Incl. Haul	130	CY	160.00	\$20,800.00	20.00	\$2,600.00	54.25	\$7,052.50	45.77	\$5,950.10	60.00	\$7,800.00
6010	Shoring or Extra Excavation Class A	1	LS	10,000.00	\$10,000.00	20,000.00	\$20,000.00	7,977.00	\$7,977.00	15,439.00	\$15,439.00	500.00	\$500.00
6015	Concrete Class 400	37	CY	1,050.00	\$38,850.00	250.80	\$9,279.60	2,000.00	\$74,000.00	1,368.00	\$50,616.00	1,200.00	\$44,400.00
6020	Steel Reinforcing Bar	4,900	LB	2.25	\$11,025.00	2.25	\$11,025.00	2.50	\$12,250.00	1.07	\$5,243.00	2.50	\$12,250.00
6025	Unsuitable Foundation Excavation Including Haul	40	CY	75.00	\$3,000.00	21.00	\$840.00	44.00	\$1,760.00	36.73	\$1,469.20	40.00	\$1,600.00
6030	Gravel Backfill for Wall	20	CY	35.00	\$700.00	125.00	\$2,500.00	14.50	\$290.00	50.53	\$1,010.60	75.00	\$1,500.00
6035	Bridge Railing Type Pedestrian	128	LF	160.00	\$20,480.00	125.00	\$16,000.00	240.00	\$30,720.00	179.07	\$22,920.96	156.75	\$20,064.00
6040	Light Loose Riprap	100	CY	95.00	\$9,500.00	77.00	\$7,700.00	48.00	\$4,800.00	76.67	\$7,667.00	125.00	\$12,500.00
6045	Quarry Spalls	40	CY	75.00	\$3,000.00	65.00	\$2,600.00	50.00	\$2,000.00	49.49	\$1,979.60	95.00	\$3,800.00
6050	Construction Geotextile for Separation	170	SY	6.00	\$1,020.00	2.00	\$340.00	1.20	\$204.00	1.57	\$266.90	4.00	\$680.00
6055	Permeable Ballast	20	CY	110.00	\$2,200.00	82.00	\$1,640.00	60.00	\$1,200.00	58.40	\$1,168.00	65.00	\$1,300.00

Kent Regional Trails Connector				1		2		3		4		5	
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TOTAL				\$1,729,427.00		\$1,730,389.60		\$1,759,657.50		\$1,769,035.69		\$1,885,156.50	
ITEM NO.	DESCRIPTION	QTY	UNIT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT
SCHEDULE VI TOTAL				\$211,182.00		\$154,524.60		\$197,253.50		\$201,794.36		\$244,394.00	
SCHEDULE VIII: TEMPORARY EROSION & SEDIMENTATION CONTROL													
8000	Seeding, Fertilizing, and Mulching	0.6	AC	6,000.00	\$3,600.00	5,500.00	\$3,300.00	5,600.00	\$3,360.00	5,258.00	\$3,154.80	4,500.00	\$2,700.00
8005	Filter Fabric Fence	500	LF	7.00	\$3,500.00	6.00	\$3,000.00	3.00	\$1,500.00	6.56	\$3,280.00	10.00	\$5,000.00
8010	Wattle	300	LF	4.00	\$1,200.00	3.50	\$1,050.00	3.00	\$900.00	3.86	\$1,158.00	10.00	\$3,000.00
8015	Inlet Protection	14	EA	160.00	\$2,240.00	110.00	\$1,540.00	40.00	\$560.00	82.58	\$1,156.12	90.00	\$1,260.00
8020	Straw Mulch	1,000	SY	5.00	\$5,000.00	1.00	\$1,000.00	10.00	\$10,000.00	0.51	\$510.00	5.00	\$5,000.00
8025	Clear Plastic Covering	800	SY	5.00	\$4,000.00	1.40	\$1,120.00	2.50	\$2,000.00	2.26	\$1,808.00	3.00	\$2,400.00
8030	ESC Lead	15	DAY	495.00	\$7,425.00	200.00	\$3,000.00	67.00	\$1,005.00	19.25	\$288.75	85.00	\$1,275.00
8055	Temporary Erosion/Water Pollution Control	1	FA	10,000.00	\$10,000.00	10,000.00	\$10,000.00	10,000.00	\$10,000.00	10,000.00	\$10,000.00	10,000.00	\$10,000.00
8080	Spill Prevention Control & Countermeasures Plan	1	LS	500.00	\$500.00	2,000.00	\$2,000.00	550.00	\$550.00	565.00	\$565.00	1,000.00	\$1,000.00
SCHEDULE VIII TOTAL				\$37,465.00		\$26,010.00		\$29,875.00		\$21,920.67		\$31,635.00	
SCHEDULE IX - ELECTRICAL													
9000	Pedestrian Traffic Signal at 64th Ave. S. (HAWK)	1	LS	150,000.00	\$150,000.00	181,000.00	\$181,000.00	160,437.00	\$160,437.00	150,409.00	\$150,409.00	174,000.00	\$174,000.00
9001	Roadside Rectangular Rapid Flashing Beacon (64th Ave.)	1	LS	38,000.00	\$38,000.00	43,000.00	\$43,000.00	38,132.00	\$38,132.00	35,748.00	\$35,748.00	44,000.00	\$44,000.00
9002	Roadside Rectangular Rapid Flashing Beacon (72nd Ave.)	1	LS	23,000.00	\$23,000.00	27,500.00	\$27,500.00	24,376.00	\$24,376.00	22,852.00	\$22,852.00	27,000.00	\$27,000.00
9005	Trail Pedestrian/Bicycle Counter System	1	LS	10,000.00	\$10,000.00	19,000.00	\$19,000.00	16,800.00	\$16,800.00	16,249.00	\$16,249.00	11,500.00	\$11,500.00
9010	Pedestrian Trail Lighting System	1	LS	170,000.00	\$170,000.00	199,000.00	\$199,000.00	176,013.00	\$176,013.00	165,011.00	\$165,011.00	190,000.00	\$190,000.00
9015	Remove & Relocate Light Standards on 64th Ave.	6	EA	4,250.00	\$25,500.00	4,500.00	\$27,000.00	3,940.00	\$23,640.00	3,694.00	\$22,164.00	5,500.00	\$33,000.00
SCHEDULE IX TOTAL				\$416,500.00		\$496,500.00		\$439,398.00		\$412,433.00		\$479,500.00	
SUMMARY:													
SCHEDULE I TOTAL				\$947,155.00		\$903,060.00		\$933,288.50		\$997,523.81		\$969,565.00	
SCHEDULE II TOTAL				\$84,500.00		\$97,720.00		\$114,720.00		\$91,284.75		\$111,840.00	
SCHEDULE V TOTAL				\$32,625.00		\$52,575.00		\$45,122.50		\$44,079.10		\$48,222.50	
SCHEDULE VI TOTAL				\$211,182.00		\$154,524.60		\$197,253.50		\$201,794.36		\$244,394.00	
SCHEDULE VIII TOTAL				\$37,465.00		\$26,010.00		\$29,875.00		\$21,920.67		\$31,635.00	
SCHEDULE IX TOTAL				\$416,500.00		\$496,500.00		\$439,398.00		\$412,433.00		\$479,500.00	
CONSTRUCTION CONTRACT TOTAL				\$1,729,427.00		\$1,730,389.60		\$1,759,657.50		\$1,769,035.69		\$1,885,156.50	

Kent Regional Trails Connector				6		Engineer's Estimate	
Bid Opening: August 11, 2015, 11:00 AM				TITAN Earthwork, LLC 13806 16th St. E. Sumner, WA 98390		Mark Madfai	
TOTAL				\$1,904,235.21		\$1,231,185.00	
ITEM NO.	DESCRIPTION	QTY	UNIT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT
SCHEDULE I: MULTI-USE TRAIL							
1000	Moblization	1	LS	268,100.96	\$268,100.96	74,000.00	\$74,000.00
1005	Clearing & Grubbing	1	LS	9,500.00	\$9,500.00	6,000.00	\$6,000.00
1007	Remove Existing Street Tree & Stump	1	EA	1,725.00	\$1,725.00	500.00	\$500.00
1010	Remove Existing Asphalt Concrete Pavement	630	SY	11.00	\$6,930.00	13.00	\$8,190.00
1015	Roadside Cleanup	1	FA	1,000.00	\$1,000.00	1,000.00	\$1,000.00
1020	Remove Cement Concrete Sidewalk	1,200	SY	9.45	\$11,340.00	16.00	\$19,200.00
1025	Remove Cement Concrete Curb & Gutter	150	LF	20.00	\$3,000.00	9.00	\$1,350.00
1040	Removal of Raised Pavement Markers & Painted &/or Thermoplastic Traffic Markings	1	LS	2,700.00	\$2,700.00	350.00	\$350.00
1045	Removal & Reinstallation of Traffic & Informational Signs	1	LS	375.00	\$375.00	400.00	\$400.00
1050	Saw Cut Existing Asphalt Concrete Pavement	300	LF	2.75	\$825.00	7.00	\$2,100.00
1055	Saw Cut Existing Cement Concrete Pavement	100	LF	2.75	\$275.00	14.00	\$1,400.00
1060	Trail Excavation Incl. Haul	1,450	CY	35.00	\$50,750.00	30.00	\$43,500.00
1065	Unsuitable Foundation Excavation Incl. Haul	100	CY	45.00	\$4,500.00	35.00	\$3,500.00
1070	Gravel Backfill for S.E. Walls	1,500	TON	34.00	\$51,000.00	30.00	\$45,000.00
1075	Gravel Borrow, Including Haul & Compaction	1,900	TON	22.25	\$42,275.00	30.00	\$57,000.00
1080	Crushed Surfacing Top Course, 5/8" Minus	2,000	TON	25.00	\$50,000.00	22.00	\$44,000.00
1085	Crushed Surfacing Base Course, 1-1/4" Minus	900	TON	26.00	\$23,400.00	30.00	\$27,000.00
1095	HMA Class 1/2", PG 64-22	540	TON	148.00	\$79,920.00	110.00	\$59,400.00
1100	HMA Class 1/2", PG 70-22 - Pervious Asphalt	350	TON	194.00	\$67,900.00	120.00	\$42,000.00
1125	Cold Plant Mix for Temporary Pavement Patch	40	TON	190.00	\$7,600.00	155.00	\$6,200.00
1150	Industrial Cement Concrete Driveway Approach	145	SY	15.65	\$2,269.25	75.00	\$10,875.00
1155	Detectable Warning Surface	250	SF	27.00	\$6,750.00	80.00	\$20,000.00
1205	Cement Concrete Curb & Gutter	150	LF	53.00	\$7,950.00	25.00	\$3,750.00
1210	Concrete Sloped Mountable Curb	445	LF	36.00	\$16,020.00	27.00	\$12,015.00
1235	Adjust Existing Air Vacuum Vault to Finished Grade	1	EA	1,350.00	\$1,350.00	300.00	\$300.00
1240	Relocate Existing Junction Box & Adjust to Finished Grade	1	EA	1,450.00	\$1,450.00	550.00	\$550.00
1267	Remove & Relocate Existing Bollard	11	EA	245.00	\$2,695.00	250.00	\$2,750.00
1275	Quarry Spalls	250	TON	33.00	\$8,250.00	45.00	\$11,250.00
1280	Install New 4' High, Vinyl Coated, Chain Link Fence	1,440	LF	20.00	\$28,800.00	24.00	\$34,560.00
1290	Install City Supplied Fixed or Removable Bollards	6	EA	245.00	\$1,470.00	250.00	\$1,500.00
1297	Pin Pile Boardwalk	1	LS	165,000.00	\$165,000.00	60,000.00	\$60,000.00
1300	Gravity Block Retaining Wall	2,800	SFWF	28.00	\$78,400.00	25.00	\$70,000.00
1305	Welded Wire Faced Structural Earth Wall	2,300	SFWF	41.00	\$94,300.00	22.00	\$50,600.00
1315	Pothole Utilities	7	EA	725.00	\$5,075.00	400.00	\$2,800.00
1320	Project Sign Installation	3	EA	775.00	\$2,325.00	500.00	\$1,500.00
1360	Minor Changes	1	CALC	10,000.00	\$10,000.00	10,000.00	\$10,000.00
SCHEDULE I TOTAL				\$1,115,220.21		\$734,540.00	

Kent Regional Trails Connector

Bid Opening: August 11, 2015, 11:00 AM

6
TITAN Earthwork, LLC
13806 16th St. E.
Sumner, WA 98390

Engineer's Estimate
Mark Madfai

TOTAL \$1,904,235.21 \$1,231,185.00

ITEM NO.	DESCRIPTION	QTY	UNIT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT
SCHEDULE II: ROADSIDE RESTORATION							
2000	PSIPE Cornus sericea	95	EA	11.00	\$1,045.00	15.00	\$1,425.00
2001	PSIPE Abelia 'Edward Goucher'; 5 Gallon	50	EA	32.00	\$1,600.00	30.00	\$1,500.00
2002	PSIPE Spiraea japonica 'Dolchica'; 1 Gallon	75	EA	35.00	\$2,625.00	12.00	\$900.00
2003	PSIPE Hebe albicans 'Red Edge'; 1 Gallon	280	EA	35.00	\$9,800.00	12.00	\$3,360.00
2004	PSIPE Prunus laurocerasus 'Mount Vernon'; 1 Gallon	140	EA	11.50	\$1,610.00	15.00	\$2,100.00
2005	PSIPE Lavendula angustifolias; 1 Gallon	75	EA	11.50	\$862.50	12.00	\$900.00
2006	PSIPE Calluna vulgaris 'Spring Torch'; 1 Gallon	115	EA	16.00	\$1,840.00	12.00	\$1,380.00
2007	PSIPE Nandina domestica 'Monfar'; 5 Gallon	210	EA	48.50	\$10,185.00	35.00	\$7,350.00
2010	Topsoil Type A	220	CY	39.00	\$8,580.00	45.00	\$9,900.00
2012	Compost	1,000	SY	6.50	\$6,500.00	8.00	\$8,000.00
2015	Wood Chip Mulch	1,000	SY	5.00	\$5,000.00	5.00	\$5,000.00
2020	64th Ave. S. Irrigation System	1	LS	39,500.00	\$39,500.00	20,000.00	\$20,000.00
2025	Irrigation Water Connection	1	LS	4,600.00	\$4,600.00	15,000.00	\$15,000.00
2030	Irrigation Power Connection	1	LS	1,620.00	\$1,620.00	7,000.00	\$7,000.00
SCHEDULE II TOTAL					\$95,367.50	\$83,815.00	
SCHEDULE V: TRAFFIC CONTROL							
5005	Traffic Control Labor	320	HR	61.50	\$19,680.00	60.00	\$19,200.00
5010	Construction Signs Class A	270	SF	12.00	\$3,240.00	20.00	\$5,400.00
5015	Traffic Control Supervisor	80	HR	71.50	\$5,720.00	70.00	\$5,600.00
5020	Temporary Traffic Control Devices	1	LS	2,700.00	\$2,700.00	2,000.00	\$2,000.00
5030	Portable Changeable Message Sign (PCMS)	20	DAY	175.00	\$3,500.00	100.00	\$2,000.00
5035	Sequential Arrow Sign (SAS)	20	DAY	98.00	\$1,960.00	90.00	\$1,800.00
5075	Permanent Channelization	1	LS	3,780.00	\$3,780.00	1,000.00	\$1,000.00
5115	Plastic Stop Line	150	LF	2.00	\$300.00	12.00	\$1,800.00
5120	Plastic Crosswalk Line	650	SF	10.00	\$6,500.00	7.00	\$4,550.00
SCHEDULE V TOTAL					\$47,380.00	\$43,350.00	
SCHEDULE VI: STRUCTURES							
6000	Superstructure (Pedestrian Bridge)	1	LS	120,000.00	\$120,000.00	50,000.00	\$50,000.00
6005	Structure Excavation Class A Incl. Haul	130	CY	32.00	\$4,160.00	35.00	\$4,550.00
6010	Shoring or Extra Excavation Class A	1	LS	8,000.00	\$8,000.00	2,000.00	\$2,000.00
6015	Concrete Class 400	37	CY	1,200.00	\$44,400.00	800.00	\$29,600.00
6020	Steel Reinforcing Bar	4,900	LB	3.00	\$14,700.00	1.10	\$5,390.00
6025	Unsuitable Foundation Excavation Including Haul	40	CY	89.00	\$3,560.00	30.00	\$1,200.00
6030	Gravel Backfill for Wall	20	CY	71.00	\$1,420.00	25.00	\$500.00
6035	Bridge Railing Type Pedestrian	128	LF	70.00	\$8,960.00	120.00	\$15,360.00
6040	Light Loose Riprap	100	CY	71.00	\$7,100.00	60.00	\$6,000.00
6045	Quarry Spalls	40	CY	59.00	\$2,360.00	60.00	\$2,400.00
6050	Construction Geotextile for Separation	170	SY	3.25	\$552.50	5.00	\$850.00
6055	Permeable Ballast	20	CY	80.00	\$1,600.00	80.00	\$1,600.00

Kent Regional Trails Connector				6		Engineer's Estimate	
Bid Opening: August 11, 2015, 11:00 AM				TITAN Earthwork, LLC 13806 16th St. E. Sumner, WA 98390		Mark Madfai	
TOTAL				\$1,904,235.21		\$1,231,185.00	
ITEM NO.	DESCRIPTION	QTY	UNIT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT
SCHEDULE VI TOTAL				\$216,812.50		\$119,450.00	
SCHEDULE VIII: TEMPORARY EROSION & SEDIMENTATION CONTROL							
8000	Seeding, Fertilizing, and Mulching	0.6	AC	5,400.00	\$3,240.00	4,500.00	\$2,700.00
8005	Filter Fabric Fence	500	LF	4.50	\$2,250.00	7.50	\$3,750.00
8010	Wattle	300	LF	3.00	\$900.00	5.00	\$1,500.00
8015	Inlet Protection	14	EA	85.00	\$1,190.00	75.00	\$1,050.00
8020	Straw Mulch	1,000	SY	3.00	\$3,000.00	2.00	\$2,000.00
8025	Clear Plastic Covering	800	SY	1.50	\$1,200.00	2.50	\$2,000.00
8030	ESC Lead	15	DAY	225.00	\$3,375.00	200.00	\$3,000.00
8055	Temporary Erosion/Water Pollution Control	1	FA	10,000.00	\$10,000.00	10,000.00	\$10,000.00
8080	Spill Prevention Control & Countermeasures Plan	1	LS	500.00	\$500.00	980.00	\$980.00
SCHEDULE VIII TOTAL				\$25,655.00		\$26,980.00	
SCHEDULE IX - ELECTRICAL							
9000	Pedestrian Traffic Signal at 64th Ave. S. (HAWK)	1	LS	149,500.00	\$149,500.00	128,000.00	\$128,000.00
9001	Roadside Rectangular Rapid Flashing Beacon (64th Ave.)	1	LS	32,500.00	\$32,500.00	21,000.00	\$21,000.00
9002	Roadside Rectangular Rapid Flashing Beacon (72nd Ave.)	1	LS	22,500.00	\$22,500.00	14,000.00	\$14,000.00
9005	Trail Pedestrian/Bicycle Counter System	1	LS	10,800.00	\$10,800.00	5,000.00	\$5,000.00
9010	Pedestrian Trail Lighting System	1	LS	170,500.00	\$170,500.00	31,050.00	\$31,050.00
9015	Remove & Relocate Light Standards on 64th Ave.	6	EA	3,000.00	\$18,000.00	4,000.00	\$24,000.00
SCHEDULE IX TOTAL				\$403,800.00		\$223,050.00	
SUMMARY:							
SCHEDULE I TOTAL				\$1,115,220.21		\$734,540.00	
SCHEDULE II TOTAL				\$95,367.50		\$83,815.00	
SCHEDULE V TOTAL				\$47,380.00		\$43,350.00	
SCHEDULE VI TOTAL				\$216,812.50		\$119,450.00	
SCHEDULE VIII TOTAL				\$25,655.00		\$26,980.00	
SCHEDULE IX TOTAL				\$403,800.00		\$223,050.00	
CONSTRUCTION CONTRACT TOTAL				\$1,904,235.21		\$1,231,185.00	