

BID SUMMARY Yakima Railroad Grade Separations Phase 2 - Lincoln Avenue CITY PROJECT NO. 1818				ENGINEERS ESTIMATE		Apollo Inc		Hamilton Construction Company		William Charles West		Tri-State Construction Co.	
ITEM NO.	Bid Security					5% Bond		5% Bond		5% Bond		5% Bond	
	ITEM	QTY	UNIT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
MOBILIZATION													
1	Mobilization	1	L.S.	\$930,912.00	\$930,912.00	\$835,000.00	\$835,000.00	\$1,057,000.00	\$1,057,000.00	\$1,100,000.00	\$1,100,000.00	\$1,600,000.00	\$1,600,000.00
2	Field Office Building	1	L.S.	\$45,000.00	\$45,000.00	\$17,000.00	\$17,000.00	\$17,000.00	\$17,000.00	\$13,000.00	\$13,000.00	\$20,000.00	\$20,000.00
PREPARATION													
3	SPCC Plan	1	L.S.	\$5,000.00	\$5,000.00	\$100.00	\$100.00	\$5,000.00	\$5,000.00	\$3,000.00	\$3,000.00	\$20,000.00	\$20,000.00
4	Removal of Structure and Obstruction	1	L.S.	\$200,000.00	\$200,000.00	\$163,000.00	\$163,000.00	\$100,000.00	\$100,000.00	\$170,000.00	\$170,000.00	\$150,000.00	\$150,000.00
5	Removing Paint Line	12,440	L.F.	\$6.00	\$74,640.00	\$0.75	\$9,330.00	\$0.75	\$9,330.00	\$0.75	\$9,330.00	\$0.75	\$9,330.00
6	Removing Painted Traffic Marking	110	EA.	\$30.50	\$3,355.00	\$40.00	\$4,400.00	\$40.00	\$4,400.00	\$38.00	\$4,180.00	\$40.00	\$4,400.00
7	Removing Painted Crosswalk Line	1,310	S.F.	\$6.50	\$8,515.00	\$1.68	\$2,200.80	\$1.60	\$2,096.00	\$1.60	\$2,096.00	\$1.60	\$2,096.00
GRADING													
8	Roadway Excavation Incl. Haul	23,800	C.Y.	\$16.00	\$380,800.00	\$9.18	\$218,484.00	\$9.00	\$214,200.00	\$14.00	\$333,200.00	\$11.50	\$273,700.00
9	Channel Excavation Incl. Haul	2,300	C.Y.	\$15.00	\$34,500.00	\$6.23	\$14,329.00	\$7.00	\$16,100.00	\$8.00	\$18,400.00	\$15.00	\$34,500.00
10	Controlled Density Fill	170	C.Y.	\$100.00	\$17,000.00	\$125.00	\$21,250.00	\$135.00	\$22,950.00	\$160.00	\$27,200.00	\$110.00	\$18,700.00
(Continued on Page 2)													

CITY ENGINEERS REPORT

COMPETITIVE BIDS WERE OPENED ON DEC.16, 2009.
ALL BIDS HAVE BEEN REVIEWED BY THIS OFFICE.
I RECOMMEND THE CONTRACT BE AWARDED TO:

APOLLO INC., KENNEWICK, WA.



AWARD MADE BY CITY MANAGER

DATE _____

CITY ENGINEER _____

DATE _____

CITY MANAGER _____

CITY OF YAKIMA

Yakima Railroad Grade Separations Phase 2 -

Lincoln Avenue

Fed. Aid No.: STPX-NCPD-000S(062)

PROJECT NO. 1818

DATE: DECEMBER 16TH, 2009

FILE: \\Cityeng\ENGimages\BidSummaries\Lincoln Grade Separation

BID SUMMARY Railroad Grade Separations Phase 2 - Lincoln Avenue CITY PROJECT NO. 1818				ENGINEERS ESTIMATE		Apollo Inc		Hamilton Construction Company		William Charles West		Tri-State Construction Co.	
ITEM NO.	Bid Security					5% Bond		5% Bond		5% Bond		5% Bond	
	ITEM	QTY	UNIT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
STORMWATER SYSTEM													
11	Quarry Spalls	16	C.Y.	\$30.00	\$480.00	\$39.00	\$624.00	\$60.00	\$960.00	\$60.00	\$960.00	\$45.00	\$720.00
12	Corrugated Polyethylene Underdrain Pipe 4 In. Diam.	4,850	L.F.	\$15.00	\$72,750.00	\$4.00	\$19,400.00	\$8.00	\$38,800.00	\$0.60	\$2,910.00	\$14.26	\$69,161.00
12A	Drain Pipe 4 In. Diam.	80	L.F.	\$15.00	\$1,200.00	\$9.00	\$720.00	\$26.00	\$2,080.00	\$0.60	\$48.00	\$20.00	\$1,600.00
13	Catch Basin Type 1	36	EA.	\$1,000.00	\$36,000.00	\$630.00	\$22,680.00	\$800.00	\$28,800.00	\$1,000.00	\$36,000.00	\$950.00	\$34,200.00
14	Catch Basin Type 2, 48 In. Diam.	1	EA.	\$2,500.00	\$2,500.00	\$1,370.00	\$1,370.00	\$1,800.00	\$1,800.00	\$2,000.00	\$2,000.00	\$1,700.00	\$1,700.00
15	Corrugated Polyethylene Storm Sewer Pipe 8 In. Diam.	130	L.F.	\$20.00	\$2,600.00	\$24.00	\$3,120.00	\$30.00	\$3,900.00	\$14.00	\$1,820.00	\$22.00	\$2,860.00
16	Corrugated Polyethylene Storm Sewer Pipe 12 In. Diam.	1,089	L.F.	\$25.00	\$27,225.00	\$7.40	\$8,058.60	\$30.00	\$32,670.00	\$23.00	\$25,047.00	\$31.00	\$33,759.00
17	Ductile Iron Storm Sewer Pipe 8 In. Diam	506	L.F.	\$50.00	\$25,300.00	\$25.50	\$12,903.00	\$45.00	\$22,770.00	\$44.00	\$22,264.00	\$65.00	\$32,890.00
18	Ductile Iron Storm Sewer Pipe 12 In. Diam	620	L.F.	\$55.00	\$34,100.00	\$34.00	\$21,080.00	\$60.00	\$37,200.00	\$49.00	\$30,380.00	\$65.00	\$40,300.00
19	Trench Drain	25	L.F.	\$25.00	\$625.00	\$110.00	\$2,750.00	\$170.00	\$4,250.00	\$320.00	\$8,000.00	\$175.00	\$4,375.00
20	Testing Storm Sewer Pipe	4,210	L.F.	\$2.00	\$8,420.00	\$0.60	\$2,526.00	\$0.90	\$3,789.00	\$1.00	\$4,210.00	\$2.00	\$8,420.00
21	Structure Excavation Class B Incl. Haul	520	C.Y.	\$20.00	\$10,400.00	\$29.25	\$15,210.00	\$8.00	\$4,160.00	\$6.00	\$3,120.00	\$25.00	\$13,000.00
22	Structure Excavation Class B Incl. Haul - Bottom Seal	402	C.Y.	\$30.00	\$12,060.00	\$17.90	\$7,195.80	\$8.00	\$3,216.00	\$12.00	\$4,824.00	\$33.00	\$13,266.00
23	Shoring or Extra Excavation Class B	1,120	S.F.	\$6.00	\$6,720.00	\$4.75	\$5,320.00	\$0.60	\$672.00	\$2.00	\$2,240.00	\$40.00	\$44,800.00
24	Construction Geotextile for Underground Drainage	570	S.Y.	\$5.00	\$2,850.00	\$0.65	\$370.50	\$5.50	\$3,135.00	\$0.90	\$513.00	\$2.00	\$1,140.00
25	Connection to Drainage Structure	7	EA.	\$200.00	\$1,400.00	\$29.00	\$203.00	\$300.00	\$2,100.00	\$650.00	\$4,550.00	\$750.00	\$5,250.00
26	Precast Wet Well	1	L.S.	\$79,890.00	\$79,890.00	\$35,250.00	\$35,250.00	\$55,000.00	\$55,000.00	\$40,000.00	\$40,000.00	\$60,000.00	\$60,000.00
27	Precast Valve Vault	1	L.S.	\$56,096.00	\$56,096.00	\$7,400.00	\$7,400.00	\$15,000.00	\$15,000.00	\$8,000.00	\$8,000.00	\$15,000.00	\$15,000.00
28	Precast Oil/Water Separator	1	L.S.	\$147,078.00	\$147,078.00	\$82,000.00	\$82,000.00	\$100,000.00	\$100,000.00	\$44,000.00	\$44,000.00	\$45,000.00	\$45,000.00
29	Pumps and Motors	1	L.S.	\$57,523.00	\$57,523.00	\$33,000.00	\$33,000.00	\$55,000.00	\$55,000.00	\$108,000.00	\$108,000.00	\$65,000.00	\$65,000.00
30	Piping, Valves, and Accessories	1	L.S.	\$129,716.00	\$129,716.00	\$62,500.00	\$62,500.00	\$65,000.00	\$65,000.00	\$58,000.00	\$58,000.00	\$68,000.00	\$68,000.00
31	Pump Station Electrical	1	L.S.	\$194,994.00	\$194,994.00	\$110,000.00	\$110,000.00	\$105,000.00	\$105,000.00	\$106,000.00	\$106,000.00	\$10,000.00	\$10,000.00
32	Telemetry	1	L.S.	\$2,364.00	\$2,364.00	\$40,800.00	\$40,800.00	\$40,000.00	\$40,000.00	\$39,000.00	\$39,000.00	\$65,000.00	\$65,000.00
(Continued on Page 3)													



CITY OF YAKIMA
Yakima Railroad Grade Separations Phase 2 -
Lincoln Avenue
 Fed. Aid No.: STPX-NCPD-000S(062)

PROJECT NO. 1818
 DATE: **DECEMBER 16TH, 2009**

FILE: \\Cityeng\ENGImages\BidSummaries\Lincoln Grade Separation

BID SUMMARY Railroad Grade Separations Phase 2 - Lincoln Avenue CITY PROJECT NO. 1818				ENGINEERS ESTIMATE		Apollo Inc		Hamilton Construction Company		William Charles West		Tri-State Construction Co.	
ITEM NO.	Bid Security			UNIT PRICE	AMOUNT	5% Bond		5% Bond		5% Bond		5% Bond	
	ITEM	QTY	UNIT			UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
SANITARY SEWER													
33	PVC Sanitary Sewer Pipe 6 In. Diam.	274	L.F.	\$48.00	\$13,152.00	\$13.60	\$3,726.40	\$20.00	\$5,480.00	\$26.00	\$7,124.00	\$78.00	\$21,372.00
34	Sewer Clean Out	4	EA.	\$1,300.00	\$5,200.00	\$510.00	\$2,040.00	\$400.00	\$1,600.00	\$300.00	\$1,200.00	\$1,250.00	\$5,000.00
35	Manhole 48" Diam. Type 1	1	EA.	\$5,400.00	\$5,400.00	\$1,730.00	\$1,730.00	\$2,200.00	\$2,200.00	\$2,800.00	\$2,800.00	\$5,000.00	\$5,000.00
36	Testing Sewer Pipe	274	L.F.	\$3.25	\$891.00	\$0.40	\$109.60	\$1.50	\$411.00	\$1.00	\$274.00	\$2.00	\$548.00
WATER LINES													
37	Comb. Air Release/Air Vacuum Valve Assembly 2 In.	2	EA.	\$3,800.00	\$7,600.00	\$2,160.00	\$4,320.00	\$3,800.00	\$7,600.00	\$2,500.00	\$5,000.00	\$3,100.00	\$6,200.00
38	Ductile Iron Pipe for Water Main 12 In. Diam.	275	L.F.	\$80.00	\$22,000.00	\$85.50	\$23,512.50	\$135.00	\$37,125.00	\$80.00	\$22,000.00	\$80.00	\$22,000.00
39	Pipe Insulation	40	LF	\$110.00	\$4,400.00	\$84.00	\$3,360.00	\$120.00	\$4,800.00	\$125.00	\$5,000.00	\$205.00	\$8,200.00
40	Connection to Existing Water Main 2" Temp. Blowoff	4	EA.	\$2,150.00	\$8,600.00	\$1,500.00	\$6,000.00	\$1,500.00	\$6,000.00	\$1,000.00	\$4,000.00	\$4,750.00	\$19,000.00
41	Steel Casing 22 In. Diam.	162	L.F.	\$365.00	\$59,130.00	\$212.00	\$34,344.00	\$265.00	\$42,930.00	\$220.00	\$35,640.00	\$200.00	\$32,400.00
42	Heat Tracing System	1	L.S.	\$1,100.00	\$1,100.00	\$2,230.00	\$2,230.00	\$2,100.00	\$2,100.00	\$2,000.00	\$2,000.00	\$6,500.00	\$6,500.00
43	Galvanic Anode	2	EA.	\$540.00	\$1,080.00	\$800.00	\$1,600.00	\$2,000.00	\$4,000.00	\$1,900.00	\$3,800.00	\$3,000.00	\$6,000.00
STRUCTURE (CIP Cantilever Wall/Moment Slab)													
44	Conc. Class 4000 for Retaining Wall	180	C.Y.	\$650.00	\$117,000.00	\$530.00	\$95,400.00	\$500.00	\$90,000.00	\$500.00	\$90,000.00	\$570.00	\$102,600.00
45	St. Reinf. Bar for Retaining Wall	18,830	LB	\$0.90	\$16,947.00	\$0.92	\$17,323.60	\$0.90	\$16,947.00	\$1.00	\$18,830.00	\$1.15	\$21,654.50
46	Conc. Class 4000 for Barrier	158	C.Y.	\$650.00	\$102,700.00	\$1,235.00	\$195,130.00	\$850.00	\$134,300.00	\$700.00	\$110,600.00	\$620.00	\$97,960.00
47	St. Reinf. Bar for Barrier	42,670	LB	\$0.90	\$38,403.00	\$0.75	\$32,002.50	\$0.90	\$38,403.00	\$1.00	\$42,670.00	\$1.10	\$46,937.00
48	Bridge Railing Type BP for Wall Barrier	1,410	L.F.	\$70.00	\$98,700.00	\$66.00	\$93,060.00	\$75.00	\$105,750.00	\$85.00	\$119,850.00	\$68.00	\$95,880.00
49	Conc. Class 4000 for Free-Standing Barrier	19	C.Y.	\$650.00	\$12,350.00	\$1,153.00	\$21,907.00	\$900.00	\$17,100.00	\$600.00	\$11,400.00	\$1,000.00	\$19,000.00
50	St. Reinf. Bar for Free-Standing Barrier	5,160	LB	\$0.90	\$4,644.00	\$0.82	\$4,231.20	\$0.90	\$4,644.00	\$1.00	\$5,160.00	\$1.00	\$5,160.00
51	Conc. Class 4000 for Impact Attenuator Footing	3	C.Y.	\$500.00	\$1,500.00	\$369.00	\$1,107.00	\$700.00	\$2,100.00	\$450.00	\$1,350.00	\$891.00	\$2,673.00
52	St. Reinf. Bar for Impact Attenuator Footing	241	LB	\$0.90	\$217.00	\$0.82	\$197.62	\$0.90	\$216.90	\$1.00	\$241.00	\$1.00	\$241.00
(Continued on Page 4)													



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Lincoln Avenue
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ITEM NO.	Bid Security			UNIT PRICE	AMOUNT	5% Bond		5% Bond		5% Bond		5% Bond	
	ITEM	QTY	UNIT			UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
	(Earthwork)												
53	Structure Excavation Class A Incl. Haul	5,575	C.Y.	\$18.00	\$100,350.00	\$9.35	\$52,126.25	\$10.00	\$55,750.00	\$6.00	\$33,450.00	\$20.00	\$111,500.00
54	Shoring or Extra Excavation Cl. A	1	L.S.	\$150,000.00	\$150,000.00	\$28,800.00	\$28,800.00	\$170,000.00	\$170,000.00	\$62,000.00	\$62,000.00	\$65,000.00	\$65,000.00
55	Gravel Backfill for Wall	565	C.Y.	\$30.00	\$16,950.00	\$32.00	\$18,080.00	\$40.00	\$22,600.00	\$17.00	\$9,605.00	\$40.00	\$22,600.00
	(Wall Cap)												
56	Conc. Class 4000 for Wall Cap	1,914	C.Y.	\$400.00	\$765,600.00	\$233.00	\$445,962.00	\$450.00	\$861,300.00	\$300.00	\$574,200.00	\$345.00	\$660,330.00
57	St. Reinf. Bar for Wall Cap	326,700	LB	\$0.75	\$245,025.00	\$0.70	\$228,690.00	\$0.80	\$261,360.00	\$1.00	\$326,700.00	\$0.87	\$284,229.00
	(Soldier Pile Walls)												
58	Shaft - 39" Diameter	442	L.F.	\$400.00	\$176,800.00	\$234.00	\$103,428.00	\$200.00	\$88,400.00	\$91.00	\$40,222.00	\$250.00	\$110,500.00
59	Shaft - 24" Diameter	50	L.F.	\$250.00	\$12,500.00	\$226.00	\$11,300.00	\$150.00	\$7,500.00	\$79.00	\$3,950.00	\$275.00	\$13,750.00
60	Furnishing Soldier Pile - W24X103	568	L.F.	\$110.00	\$62,480.00	\$58.00	\$32,944.00	\$60.00	\$34,080.00	\$76.00	\$43,168.00	\$60.00	\$34,080.00
61	Furnishing Soldier Pile - W21X55 for Underpass Wall	75	L.F.	\$65.00	\$4,875.00	\$37.00	\$2,775.00	\$40.00	\$3,000.00	\$76.00	\$5,700.00	\$38.00	\$2,850.00
62	Furnishing Soldier Pile - W14X43	58	L.F.	\$55.00	\$3,190.00	\$32.00	\$1,856.00	\$30.00	\$1,740.00	\$33.00	\$1,914.00	\$32.00	\$1,856.00
63	Lagging for Underpass Wall	2,143	S.F.	\$15.00	\$32,145.00	\$32.00	\$68,576.00	\$12.00	\$25,716.00	\$18.50	\$39,645.50	\$32.00	\$68,576.00
64	Concrete Fascia Panel	2,143	S.F.	\$35.00	\$75,005.00	\$24.80	\$53,146.40	\$35.00	\$75,005.00	\$45.00	\$96,435.00	\$66.00	\$141,438.00
	(BNSF Shoring Wall)												
65	Shaft - 36" Diameter	285	L.F.	\$350.00	\$99,750.00	\$234.00	\$66,690.00	\$200.00	\$57,000.00	\$81.00	\$23,085.00	\$265.00	\$75,525.00
66	Furnishing Soldier Pile - W21X93	105	L.F.	\$100.00	\$10,500.00	\$53.00	\$5,565.00	\$60.00	\$6,300.00	\$69.00	\$7,245.00	\$58.00	\$6,090.00
67	Furnishing Soldier Pile - W21X55 for BNSF Shoring	152	L.F.	\$65.00	\$9,880.00	\$37.00	\$5,624.00	\$35.00	\$5,320.00	\$46.00	\$6,992.00	\$42.00	\$6,384.00
68	Lagging for BNSF Shoring	452	S.F.	\$15.00	\$6,780.00	\$30.75	\$13,899.00	\$12.00	\$5,424.00	\$25.50	\$11,526.00	\$35.00	\$15,820.00
	(Shotcrete Facing)												
69	Shotcrete Facing	10,700	S.F.	\$20.00	\$214,000.00	\$16.60	\$177,620.00	\$22.00	\$235,400.00	\$19.00	\$203,300.00	\$18.00	\$192,600.00
70	Prefabricated Drainage Mat	1,190	S.Y.	\$10.00	\$11,900.00	\$8.95	\$10,650.50	\$18.00	\$21,420.00	\$14.00	\$16,660.00	\$11.00	\$13,090.00
	(Continued on Page 5)												



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	ITEM	QTY	UNIT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
	(Bottom Seal)												
71	Bottom Seal	1	L.S.	\$3,750,000.00	\$3,750,000.00	\$2,580,055.00	\$2,580,055.00	\$1,500,000.00	\$1,500,000.00	\$2,020,000.00	\$2,020,000.00	\$1,440,000.00	\$1,440,000.00
72	Bottom Seal Test Program	1	L.S.	\$100,000.00	\$100,000.00	\$132,600.00	\$132,600.00	\$5,000.00	\$5,000.00	\$30,000.00	\$30,000.00	\$150,000.00	\$150,000.00
	(Struts)												
73	Prestressed Conc. Girder For Strut	288	L.F.	\$600.00	\$172,800.00	\$494.00	\$142,272.00	\$750.00	\$216,000.00	\$465.00	\$133,920.00	\$600.00	\$172,800.00
	(Misc.)												
74	Wet Well Shoring	1	L.S.	\$227,000.00	\$227,000.00	\$51,000.00	\$51,000.00	\$45,000.00	\$45,000.00	\$197,300.00	\$197,300.00	\$125,000.00	\$125,000.00
75	Fiber Optic Relocation	1	L.S.	\$25,000.00	\$25,000.00	\$17,500.00	\$17,500.00	\$25,000.00	\$25,000.00	\$13,600.00	\$13,600.00	\$100,000.00	\$100,000.00
	(Front St. Bridge)												
76	Superstructure - Front St. Bridge	1	L.S.	\$201,700.00	\$201,700.00	\$179,000.00	\$179,000.00	\$275,000.00	\$275,000.00	\$250,000.00	\$250,000.00	\$270,590.00	\$270,590.00
77	Bridge Approach Slab	227	S.Y.	\$250.00	\$56,750.00	\$196.00	\$44,492.00	\$225.00	\$51,075.00	\$130.00	\$29,510.00	\$295.00	\$66,965.00
	(BNSF Bridge)												
78	Superstructure - BNSF Bridge	1	L.S.	\$346,500.00	\$346,500.00	\$226,000.00	\$226,000.00	\$410,000.00	\$410,000.00	\$280,000.00	\$280,000.00	\$460,000.00	\$460,000.00
	(Access Rd. Bridge)												
79	Superstructure - Access Rd. Bridge	1	L.S.	\$132,600.00	\$132,600.00	\$90,000.00	\$90,000.00	\$175,000.00	\$175,000.00	\$180,000.00	\$180,000.00	\$181,000.00	\$181,000.00
	(Pond Structure)												
80	Conc. Class 4000 for Pond Structure	194	C.Y.	\$650.00	\$126,100.00	\$477.00	\$92,538.00	\$570.00	\$110,580.00	\$600.00	\$116,400.00	\$400.00	\$77,600.00
81	St. Reinf. Bar for Pond Structure	46,640	LB	\$0.90	\$41,976.00	\$0.79	\$36,845.60	\$0.80	\$37,312.00	\$1.00	\$46,640.00	\$0.90	\$41,976.00
82	Bridge Railing Type - Pedestrian Rail	220	L.F.	\$150.00	\$33,000.00	\$100.00	\$22,000.00	\$100.00	\$22,000.00	\$146.00	\$32,120.00	\$230.00	\$50,600.00
	(Loading Dock)												
83	Conc. Class 4000 for Loading Dock Structure	9	C.Y.	\$1,000.00	\$9,000.00	\$596.00	\$5,364.00	\$1,000.00	\$9,000.00	\$700.00	\$6,300.00	\$1,000.00	\$9,000.00
84	St. Reinf. Bar for Loading Dock Structure	1,415	LB	\$0.90	\$1,274.00	\$0.90	\$1,273.50	\$0.90	\$1,273.50	\$1.00	\$1,415.00	\$1.00	\$1,415.00
	(Continued on Page 6)												



CITY OF YAKIMA
Yakima Railroad Grade Separations Phase 2 -
Lincoln Avenue
 Fed. Aid No.: STPX-NCPD-000S(062)

PROJECT NO. 1818
 DATE: DECEMBER 16TH, 2009
 FILE: \\Cityeng\ENGImages\BidSummaries\Lincoln Grade Separation

BID SUMMARY Yakima Railroad Grade Separations Phase 2 - Lincoln Avenue CITY PROJECT NO. 1818				ENGINEERS ESTIMATE		Apollo Inc		Hamilton Construction Company		William Charles West		Tri-State Construction Co.	
ITEM NO.	Bid Security					5% Bond		5% Bond		5% Bond		5% Bond	
	ITEM	QTY	UNIT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
SURFACING													
85	Crushed Surfacing Base Course	1,450	TON	\$16.00	\$23,200.00	\$23.00	\$33,350.00	\$16.00	\$23,200.00	\$20.00	\$29,000.00	\$18.00	\$26,100.00
86	Washed Crushed Surfacing Base Course	670	TON	\$25.00	\$16,750.00	\$27.30	\$18,291.00	\$23.00	\$15,410.00	\$20.00	\$13,400.00	\$20.00	\$13,400.00
87	Construction Geotextile for Separation	3,108	S.Y.	\$5.00	\$15,540.00	\$0.80	\$2,486.40	\$1.30	\$4,040.40	\$1.00	\$3,108.00	\$2.00	\$6,216.00
88	Crushed Surfacing Top Course	155	TON	\$18.00	\$2,790.00	\$23.50	\$3,642.50	\$23.00	\$3,565.00	\$20.00	\$3,100.00	\$20.00	\$3,100.00
ASPHALT TREATED BASE													
89	Asphalt Treated Base	525	TON	\$60.00	\$31,500.00	\$65.75	\$34,518.75	\$63.00	\$33,075.00	\$63.00	\$33,075.00	\$67.00	\$35,175.00
HOT MIX ASPHALT PAVEMENT													
90	HMA Cl. 1/2" PG 64-28	2,305	TON	\$65.00	\$149,825.00	\$77.45	\$178,522.25	\$73.00	\$168,265.00	\$73.00	\$168,265.00	\$78.00	\$179,790.00
EROSION CONTROL AND PLANTING													
91	Dewatering	1	L.S.	\$50,000.00	\$50,000.00	\$35,000.00	\$35,000.00	\$95,000.00	\$95,000.00	\$500,000.00	\$500,000.00	\$200,000.00	\$200,000.00
(Continued on Page 7)													



CITY OF YAKIMA
Yakima Railroad Grade Separations Phase 2 -
Lincoln Avenue
 Fed. Aid No.: STPX-NCPD-000S(062)

PROJECT NO. 1818
 DATE: **DECEMBER 16TH, 2009**
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BID SUMMARY Yakima Railroad Grade Separations Phase 2 - Lincoln Avenue CITY PROJECT NO. 1818				ENGINEERS ESTIMATE		Apollo Inc		Hamilton Construction Company		William Charles West		Tri-State Construction Co.	
ITEM NO.	Bid Security			UNIT PRICE	AMOUNT	5% Bond		5% Bond		5% Bond		5% Bond	
	ITEM	QTY	UNIT			UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
TRAFFIC													
92	Cement Conc. Traffic Curb and Gutter	490	L.F.	\$25.00	\$12,250.00	\$13.20	\$6,468.00	\$15.00	\$7,350.00	\$11.50	\$5,635.00	\$12.00	\$5,880.00
93	Extruded Curb	1,275	L.F.	\$5.00	\$6,375.00	\$4.60	\$5,865.00	\$7.00	\$8,925.00	\$8.00	\$10,200.00	\$4.50	\$5,737.50
94	Cement Conc. Traffic Curb	95	L.F.	\$10.00	\$950.00	\$27.75	\$2,636.25	\$30.00	\$2,850.00	\$25.00	\$2,375.00	\$26.00	\$2,470.00
95	Permanent Impact Attenuator	1	EA.	\$20,000.00	\$20,000.00	\$12,000.00	\$12,000.00	\$2,500.00	\$2,500.00	\$11,000.00	\$11,000.00	\$12,500.00	\$12,500.00
96	Painted Traffic Arrow	93	EA.	\$50.00	\$4,650.00	\$45.00	\$4,185.00	\$45.00	\$4,185.00	\$43.00	\$3,999.00	\$45.00	\$4,185.00
97	Painted Bicycle Lane Symbol	13	EA.	\$50.00	\$650.00	\$42.00	\$546.00	\$40.00	\$520.00	\$40.00	\$520.00	\$42.00	\$546.00
98	Painted Traffic Letter	88	EA.	\$50.00	\$4,400.00	\$19.00	\$1,672.00	\$20.00	\$1,760.00	\$18.00	\$1,584.00	\$19.00	\$1,672.00
99	Paint Line	11,910	L.F.	\$0.30	\$3,573.00	\$0.36	\$4,287.60	\$0.35	\$4,168.50	\$0.40	\$4,764.00	\$0.40	\$4,764.00
100	Painted Wide Line	2,345	L.F.	\$0.35	\$821.00	\$0.57	\$1,336.65	\$0.55	\$1,289.75	\$0.50	\$1,172.50	\$0.60	\$1,407.00
101	Painted Crosswalk Line	2,360	S.F.	\$3.50	\$8,260.00	\$1.82	\$4,295.20	\$2.00	\$4,720.00	\$1.70	\$4,012.00	\$2.00	\$4,720.00
102	Painted Stop Line	540	L.F.	\$0.35	\$189.00	\$1.98	\$1,069.20	\$2.00	\$1,080.00	\$1.90	\$1,026.00	\$2.00	\$1,080.00
103	Painted Railroad Crossing Symbol	7	EA.	\$100.00	\$700.00	\$350.00	\$2,450.00	\$350.00	\$2,450.00	\$350.00	\$2,450.00	\$350.00	\$2,450.00
104	Permanent Signing	1	L.S.	\$1,000.00	\$1,000.00	\$19,500.00	\$19,500.00	\$25,000.00	\$25,000.00	\$18,000.00	\$18,000.00	\$33,500.00	\$33,500.00
105	Illumination System Complete	1	L.S.	\$43,300.00	\$43,300.00	\$105,000.00	\$105,000.00	\$100,000.00	\$100,000.00	\$99,800.00	\$99,800.00	\$120,000.00	\$120,000.00
106	Traffic Signal System First Street and Lincoln Avenue, Complete	1	L.S.	\$34,500.00	\$34,500.00	\$64,500.00	\$64,500.00	\$70,000.00	\$70,000.00	\$61,150.00	\$61,150.00	\$70,000.00	\$70,000.00
107	Traffic Signal System 1st Avenue and Lincoln Avenue, Complete	1	L.S.	\$12,500.00	\$12,500.00	\$26,700.00	\$26,700.00	\$30,000.00	\$30,000.00	\$26,000.00	\$26,000.00	\$30,000.00	\$30,000.00
108	Traffic Signal System 3rd Avenue and Lincoln Avenue, Complete	1	L.S.	\$4,300.00	\$4,300.00	\$5,250.00	\$5,250.00	\$6,000.00	\$6,000.00	\$5,000.00	\$5,000.00	\$6,500.00	\$6,500.00
109	Traffic Signal System First Street and MLK JR Boulevard, Complete	1	L.S.	\$15,700.00	\$15,700.00	\$28,045.00	\$28,045.00	\$30,000.00	\$30,000.00	\$27,000.00	\$27,000.00	\$30,000.00	\$30,000.00
110	Traffic Signal System 1st Avenue and MLK JR Boulevard, Complete	1	L.S.	\$28,100.00	\$28,100.00	\$43,800.00	\$43,800.00	\$45,000.00	\$45,000.00	\$41,000.00	\$41,000.00	\$45,000.00	\$45,000.00
111	Traffic Signal System 3rd Avenue and MLK JR Boulevard, Complete	1	L.S.	\$27,700.00	\$27,700.00	\$43,000.00	\$43,000.00	\$45,000.00	\$45,000.00	\$41,000.00	\$41,000.00	\$46,000.00	\$46,000.00
112	Traffic Signal System 2nd Avenue and MLK JR Boulevard, Complete	1	L.S.	\$55,000.00	\$55,000.00	\$94,000.00	\$94,000.00	\$95,000.00	\$95,000.00	\$90,000.00	\$90,000.00	\$100,000.00	\$100,000.00
113	Project Temporary Traffic Control	1	L.S.	\$30,000.00	\$30,000.00	\$112,000.00	\$112,000.00	\$140,000.00	\$140,000.00	\$70,400.00	\$70,400.00	\$100,000.00	\$100,000.00
(Continued on Page 8)													



CITY OF YAKIMA
Yakima Railroad Grade Separations Phase 2 -
Lincoln Avenue
 Fed. Aid No.: STPX-NCPD-000S(062)

PROJECT NO. 1818
 DATE: DECEMBER 16TH, 2009
 FILE: \\Cityeng\ENGImages\BidSummaries\Lincoln Grade Separation

BID SUMMARY Yakima Railroad Grade Separations Phase 2 - Lincoln Avenue CITY PROJECT NO. 1818				ENGINEERS ESTIMATE		Apollo Inc		Hamilton Construction Company		William Charles West		Tri-State Construction Co.	
ITEM NO.	Bid Security					5% Bond		5% Bond		5% Bond		5% Bond	
	ITEM	QTY	UNIT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
OTHER ITEMS													
114	Structure Surveying	1	L.S.	\$40,000.00	\$40,000.00	\$35,700.00	\$35,700.00	\$35,000.00	\$35,000.00	\$38,000.00	\$38,000.00	\$50,000.00	\$50,000.00
115	Roadway Surveying	1	L.S.	\$30,000.00	\$30,000.00	\$9,100.00	\$9,100.00	\$10,000.00	\$10,000.00	\$55,000.00	\$55,000.00	\$25,000.00	\$25,000.00
116	Licensed Surveying	Est.	F.A.	\$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
117	Cement Conc. Sidewalk	300	S.Y.	\$30.00	\$9,000.00	\$27.75	\$8,325.00	\$30.00	\$9,000.00	\$25.00	\$7,500.00	\$26.00	\$7,800.00
118	Cement Conc. Sidewalk Ramp Type 4a	1	EA.	\$1,200.00	\$1,200.00	\$390.00	\$390.00	\$700.00	\$700.00	\$370.00	\$370.00	\$395.00	\$395.00
119	Cement Conc. Sidewalk Ramp Type 2	1	EA.	\$1,200.00	\$1,200.00	\$390.00	\$390.00	\$700.00	\$700.00	\$370.00	\$370.00	\$395.00	\$395.00
120	Cement Conc. Sidewalk Ramp Type 1	2	EA.	\$1,200.00	\$2,400.00	\$390.00	\$780.00	\$650.00	\$1,300.00	\$370.00	\$740.00	\$395.00	\$790.00
121	Concrete Driveway Approach	5	EA.	\$1,200.00	\$6,000.00	\$954.00	\$4,770.00	\$1,100.00	\$5,500.00	\$800.00	\$4,000.00	\$850.00	\$4,250.00
122	Chain Link Fence Type 3	790	L.F.	\$18.00	\$14,220.00	\$21.50	\$16,985.00	\$22.00	\$17,380.00	\$20.00	\$15,800.00	\$21.50	\$16,985.00
123	End, Gate, Corner and Pull Post for Chain Link Fence	18	EA.	\$125.00	\$2,250.00	\$228.00	\$4,104.00	\$125.00	\$2,250.00	\$200.00	\$3,600.00	\$230.00	\$4,140.00
124	Double 20 Ft. Chain Link Gate	3	EA.	\$1,300.00	\$3,900.00	\$692.00	\$2,076.00	\$1,200.00	\$3,600.00	\$650.00	\$1,950.00	\$695.00	\$2,085.00
125	Training	1,500	HR.	\$2.00	\$3,000.00	\$1.00	\$1,500.00	\$1.00	\$1,500.00	\$7.00	\$10,500.00	\$1.00	\$1,500.00
126	Adjust Manhole	1	EA.	\$500.00	\$500.00	\$250.00	\$250.00	\$500.00	\$500.00	\$800.00	\$800.00	\$650.00	\$650.00
127	Type C Progress Schedule	1	L.S.	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00	\$10,000.00	\$10,000.00
128	Schedule Updates	12	EA.	\$1,000.00	\$12,000.00	\$1,000.00	\$12,000.00	\$1,000.00	\$12,000.00	\$1,000.00	\$12,000.00	\$450.00	\$5,400.00
129	Contractor Public Involvement/Information Support	1	L.S.	\$15,000.00	\$15,000.00	\$1,600.00	\$1,600.00	\$5,000.00	\$5,000.00	\$8,000.00	\$8,000.00	\$5,000.00	\$5,000.00
130	Miscellaneous Force Account Work	Est.	F.A.	\$770,000.00	\$770,000.00	\$770,000.00	\$770,000.00	\$770,000.00	\$770,000.00	\$770,000.00	\$770,000.00	\$770,000.00	\$770,000.00
Subtotal - Base Bid					\$11,909,650.00		\$9,073,965.17		\$9,301,424.05		\$9,810,899.00		\$10,272,239.00
(Continued on Page 9)													



CITY OF YAKIMA
Yakima Railroad Grade Separations Phase 2 -
Lincoln Avenue
 Fed. Aid No.: STPX-NCPD-000S(062)

PROJECT NO. 1818
 DATE: **DECEMBER 16TH, 2009**
 FILE: \\Cityeng\ENGimages\BidSummaries\Lincoln Grade Separation

BID SUMMARY Yakima Railroad Grade Separations Phase 2 - Lincoln Avenue CITY PROJECT NO. 1818				ENGINEERS ESTIMATE		Apollo Inc		Hamilton Construction Company		William Charles West		Tri-State Construction Co.	
ITEM NO.	Bid Security					5% Bond		5% Bond		5% Bond		5% Bond	
	ITEM	QTY	UNIT	UNIT	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT	AMOUNT	UNIT PRICE	AMOUNT
	(Alternative A1 - Secant Pile Wall)												
131	Soil Excavation for Lagging Shaft Incl. Haul	1,451	C.Y.	\$300.00	\$435,300.00	\$106.00	\$153,806.00	\$210.00	\$304,710.00	\$81.00	\$117,531.00	\$145.00	\$210,395.00
132	Soil Excavation for Reinforced Shaft Incl. Haul	1,838	C.Y.	\$350.00	\$643,300.00	\$167.00	\$306,946.00	\$210.00	\$385,980.00	\$106.00	\$194,828.00	\$185.00	\$340,030.00
133	Furnishing and Placing Temp. Casing for Lagging Shaft	3,117	L.F.	\$250.00	\$779,250.00	\$1.00	\$3,117.00	\$12.00	\$37,404.00	\$25.50	\$79,483.50	\$1.30	\$4,052.10
134	Furnishing and Placing Temp. Casing for Reinf. Shaft	3,948	L.F.	\$275.00	\$1,085,700.00	\$1.00	\$3,948.00	\$12.00	\$47,376.00	\$25.50	\$100,674.00	\$1.10	\$4,342.80
135	Lean Concrete for Shaft	1,451	C.Y.	\$100.00	\$145,100.00	\$297.00	\$430,947.00	\$160.00	\$232,160.00	\$126.00	\$182,826.00	\$305.00	\$442,555.00
136	Conc. Class 4000P for Shaft	1,838	C.Y.	\$150.00	\$275,700.00	\$346.00	\$635,948.00	\$210.00	\$385,980.00	\$191.00	\$351,058.00	\$330.00	\$606,540.00
137	St. Reinf. Bar for Shaft	447,592	LB	\$0.65	\$290,935.00	\$0.58	\$259,603.36	\$0.80	\$358,073.60	\$0.68	\$304,362.56	\$0.75	\$335,694.00
138	CSL Access Tube	15,739	L.F.	\$6.00	\$94,434.00	\$8.50	\$133,781.50	\$8.00	\$125,912.00	\$8.00	\$125,912.00	\$6.00	\$94,434.00
139	CSL Test	174	EA.	\$500.00	\$87,000.00	\$631.00	\$109,794.00	\$600.00	\$104,400.00	\$413.00	\$71,862.00	\$950.00	\$165,300.00
140	Secant Pile Wall Test Section	1	L.S.	\$50,000.00	\$50,000.00	\$58,000.00	\$58,000.00	\$25,000.00	\$25,000.00	\$7,600.00	\$7,600.00	\$60,000.00	\$60,000.00
	Subtotal - Alternative A1 - Secant Pile Wall				\$3,886,719.00		\$2,095,890.86		\$2,006,995.60		\$1,536,137.06		\$2,263,342.90
	(Alternative A2 - Diaphragm Wall)												
141	Diaphragm Wall	24,000	S.F.	\$90.00	\$2,160,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
142	CSL Test	110	EA.	\$1,000.00	\$110,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
143	Diaphragm Wall Test Section	1	L.S.	\$50,000.00	\$50,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Subtotal - Alternative A2 - Diaphragm Wall				\$2,320,000.00								
	Estimated Bid Price (Base Bid + Lower of Alternative A1 or A2)				\$14,229,650.00		\$11,169,856.03		\$11,308,419.65		\$11,347,036.06		\$12,535,581.90
	(Continued on Page 10)												



**Yakima Railroad Grade Separations Phase 2 -
Lincoln Avenue**
Fed. Aid No.: STPX-NCPD-000S(062)

PROJECT NO. 1818
DATE: DECEMBER 16TH, 2009
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BID SUMMARY Yakima Railroad Grade Separations Phase 2 - Lincoln Avenue CITY PROJECT NO. 1818				ENGINEERS ESTIMATE		Graham Const		Wildish		Condon Johnson	
ITEM NO.	Bid Security					5% Bond		5% Bond		5% Bond	
	ITEM	QTY	UNIT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
MOBILIZATION											
1	Mobilization	1	L.S.	\$930,912.00	\$930,912.00	\$1,310,000.00	\$1,310,000.00	\$1,360,000.00	\$1,360,000.00	\$1,045,000.00	\$1,045,000.00
2	Field Office Building	1	L.S.	\$45,000.00	\$45,000.00	\$35,000.00	\$35,000.00	\$25,000.00	\$25,000.00	\$39,100.00	\$39,100.00
PREPARATION											
3	SPCC Plan	1	L.S.	\$5,000.00	\$5,000.00	\$1,500.00	\$1,500.00	\$1,000.00	\$1,000.00	\$7,500.00	\$7,500.00
4	Removal of Structure and Obstruction	1	L.S.	\$200,000.00	\$200,000.00	\$92,000.00	\$92,000.00	\$100,000.00	\$100,000.00	\$95,000.00	\$95,000.00
5	Removing Paint Line	12,440	L.F.	\$6.00	\$74,640.00	\$0.65	\$8,086.00	\$0.55	\$6,842.00	\$0.85	\$10,574.00
6	Removing Painted Traffic Marking	110	EA.	\$30.50	\$3,355.00	\$45.00	\$4,950.00	\$45.00	\$4,950.00	\$45.00	\$4,950.00
7	Removing Painted Crosswalk Line	1,310	S.F.	\$6.50	\$8,515.00	\$2.00	\$2,620.00	\$3.00	\$3,930.00	\$2.00	\$2,620.00
GRADING											
8	Roadway Excavation Incl. Haul	23,800	C.Y.	\$16.00	\$380,800.00	\$8.85	\$210,630.00	\$9.00	\$214,200.00	\$7.80	\$185,640.00
9	Channel Excavation Incl. Haul	2,300	C.Y.	\$15.00	\$34,500.00	\$8.80	\$20,240.00	\$9.00	\$20,700.00	\$5.50	\$12,650.00
10	Controlled Density Fill	170	C.Y.	\$100.00	\$17,000.00	\$108.00	\$18,360.00	\$115.00	\$19,550.00	\$120.00	\$20,400.00
(Continued on Page 11)											



CITY OF YAKIMA
Yakima Railroad Grade Separations Phase 2 -
Lincoln Avenue
 Fed. Aid No.: STPX-NCPD-000S(062)

PROJECT NO. 1818
 DATE: **DECEMBER 16TH, 2009**
 FILE: \\Cityeng\ENGimages\BidSummaries\Lincoln Grade Separation

BID SUMMARY Railroad Grade Separations Phase 2 - Lincoln Avenue CITY PROJECT NO. 1818				ENGINEERS ESTIMATE		Graham Const		Wildish		Condon Johnson	
ITEM NO.	Bid Security					5% Bond		5% Bond		5% Bond	
	ITEM	QTY	UNIT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
STORMWATER SYSTEM											
11	Quarry Spalls	16	C.Y.	\$30.00	\$480.00	\$47.40	\$758.40	\$50.00	\$800.00	\$50.00	\$800.00
12	Corrugated Polyethylene Underdrain Pipe 4 In. Diam.	4,850	L.F.	\$15.00	\$72,750.00	\$2.50	\$12,125.00	\$2.60	\$12,610.00	\$7.00	\$33,950.00
12A	Drain Pipe 4 In. Diam.	80	L.F.	\$15.00	\$1,200.00	\$24.20	\$1,936.00	\$25.00	\$2,000.00	\$23.00	\$1,840.00
13	Catch Basin Type 1	36	EA.	\$1,000.00	\$36,000.00	\$1,240.00	\$44,640.00	\$1,400.00	\$50,400.00	\$675.00	\$24,300.00
14	Catch Basin Type 2, 48 In. Diam.	1	EA.	\$2,500.00	\$2,500.00	\$1,730.00	\$1,730.00	\$2,000.00	\$2,000.00	\$1,550.00	\$1,550.00
15	Corrugated Polyethylene Storm Sewer Pipe 8 In. Diam.	130	L.F.	\$20.00	\$2,600.00	\$164.00	\$21,320.00	\$170.00	\$22,100.00	\$25.00	\$3,250.00
16	Corrugated Polyethylene Storm Sewer Pipe 12 In. Diam.	1,089	L.F.	\$25.00	\$27,225.00	\$31.10	\$33,867.90	\$33.00	\$35,937.00	\$26.00	\$28,314.00
17	Ductile Iron Storm Sewer Pipe 8 In. Diam	506	L.F.	\$50.00	\$25,300.00	\$24.50	\$12,397.00	\$26.00	\$13,156.00	\$36.00	\$18,216.00
18	Ductile Iron Storm Sewer Pipe 12 In. Diam	620	L.F.	\$55.00	\$34,100.00	\$39.70	\$24,614.00	\$40.00	\$24,800.00	\$52.00	\$32,240.00
19	Trench Drain	25	L.F.	\$25.00	\$625.00	\$87.60	\$2,190.00	\$90.00	\$2,250.00	\$150.00	\$3,750.00
20	Testing Storm Sewer Pipe	4,210	L.F.	\$2.00	\$8,420.00	\$0.87	\$3,662.70	\$1.00	\$4,210.00	\$0.75	\$3,157.50
21	Structure Excavation Class B Incl. Haul	520	C.Y.	\$20.00	\$10,400.00	\$19.40	\$10,088.00	\$20.00	\$10,400.00	\$7.00	\$3,640.00
22	Structure Excavation Class B Incl. Haul - Bottom Seal	402	C.Y.	\$30.00	\$12,060.00	\$22.10	\$8,884.20	\$23.00	\$9,246.00	\$7.00	\$2,814.00
23	Shoring or Extra Excavation Class B	1,120	S.F.	\$6.00	\$6,720.00	\$0.51	\$571.20	\$0.55	\$616.00	\$0.50	\$560.00
24	Construction Geotextile for Underground Drainage	570	S.Y.	\$5.00	\$2,850.00	\$6.60	\$3,762.00	\$7.00	\$3,990.00	\$4.00	\$2,280.00
25	Connection to Drainage Structure	7	EA.	\$200.00	\$1,400.00	\$68.60	\$480.20	\$100.00	\$700.00	\$250.00	\$1,750.00
26	Precast Wet Well	1	L.S.	\$79,890.00	\$79,890.00	\$39,300.00	\$39,300.00	\$42,000.00	\$42,000.00	\$70,000.00	\$70,000.00
27	Precast Valve Vault	1	L.S.	\$56,096.00	\$56,096.00	\$12,200.00	\$12,200.00	\$14,000.00	\$14,000.00	\$11,000.00	\$11,000.00
28	Precast Oil/Water Separator	1	L.S.	\$147,078.00	\$147,078.00	\$98,500.00	\$98,500.00	\$110,000.00	\$110,000.00	\$65,000.00	\$65,000.00
29	Pumps and Motors	1	L.S.	\$57,523.00	\$57,523.00	\$82,400.00	\$82,400.00	\$90,000.00	\$90,000.00	\$40,000.00	\$40,000.00
30	Piping, Valves, and Accessories	1	L.S.	\$129,716.00	\$129,716.00	\$56,400.00	\$56,400.00	\$65,000.00	\$65,000.00	\$42,000.00	\$42,000.00
31	Pump Station Electrical	1	L.S.	\$194,994.00	\$194,994.00	\$103,700.00	\$103,700.00	\$110,000.00	\$110,000.00	\$103,695.00	\$103,695.00
32	Telemetry	1	L.S.	\$2,364.00	\$2,364.00	\$10,000.00	\$10,000.00	\$40,000.00	\$40,000.00	\$38,500.00	\$38,500.00
(Continued on Page 12)											



CITY OF YAKIMA
Yakima Railroad Grade Separations Phase 2 -
Lincoln Avenue
 Fed. Aid No.: STPX-NCPD-000S(062)

PROJECT NO. 1818
 DATE: **DECEMBER 16TH, 2009**
 FILE: \\Cityeng\ENGimages\BidSummaries\Lincoln Grade Separation

BID SUMMARY Railroad Grade Separations Phase 2 - Lincoln Avenue CITY PROJECT NO. 1818				ENGINEERS ESTIMATE		Graham Const		Wildish		Condon Johnson	
ITEM NO.	Bid Security					5% Bond		5% Bond		5% Bond	
	ITEM	QTY	UNIT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
SANITARY SEWER											
33	PVC Sanitary Sewer Pipe 6 In. Diam.	274	L.F.	\$48.00	\$13,152.00	\$14.80	\$4,055.20	\$16.00	\$4,384.00	\$17.00	\$4,658.00
34	Sewer Clean Out	4	EA.	\$1,300.00	\$5,200.00	\$495.00	\$1,980.00	\$500.00	\$2,000.00	\$350.00	\$1,400.00
35	Manhole 48" Diam. Type 1	1	EA.	\$5,400.00	\$5,400.00	\$2,570.00	\$2,570.00	\$2,700.00	\$2,700.00	\$1,850.00	\$1,850.00
36	Testing Sewer Pipe	274	L.F.	\$3.25	\$891.00	\$1.65	\$452.10	\$2.00	\$548.00	\$1.00	\$274.00
WATER LINES											
37	Comb. Air Release/Air Vacuum Valve Assembly 2 In.	2	EA.	\$3,800.00	\$7,600.00	\$3,480.00	\$6,960.00	\$4,000.00	\$8,000.00	\$3,330.00	\$6,660.00
38	Ductile Iron Pipe for Water Main 12 In. Diam.	275	L.F.	\$80.00	\$22,000.00	\$83.20	\$22,880.00	\$85.00	\$23,375.00	\$120.00	\$33,000.00
39	Pipe Insulation	40	LF	\$110.00	\$4,400.00	\$78.60	\$3,144.00	\$80.00	\$3,200.00	\$100.00	\$4,000.00
40	Connection to Existing Water Main 2" Temp. Blowoff	4	EA.	\$2,150.00	\$8,600.00	\$1,140.00	\$4,560.00	\$1,200.00	\$4,800.00	\$1,250.00	\$5,000.00
41	Steel Casing 22 In. Diam.	162	L.F.	\$365.00	\$59,130.00	\$237.00	\$38,394.00	\$250.00	\$40,500.00	\$230.00	\$37,260.00
42	Heat Tracing System	1	L.S.	\$1,100.00	\$1,100.00	\$15,000.00	\$15,000.00	\$3,000.00	\$3,000.00	\$2,085.00	\$2,085.00
43	Galvanic Anode	2	EA.	\$540.00	\$1,080.00	\$2,500.00	\$5,000.00	\$1,500.00	\$3,000.00	\$1,254.00	\$2,508.00
STRUCTURE (CIP Cantilever Wall/Moment Slab)											
44	Conc. Class 4000 for Retaining Wall	180	C.Y.	\$650.00	\$117,000.00	\$500.00	\$90,000.00	\$600.00	\$108,000.00	\$1,100.00	\$198,000.00
45	St. Reinf. Bar for Retaining Wall	18,830	LB	\$0.90	\$16,947.00	\$1.00	\$18,830.00	\$1.00	\$18,830.00	\$1.05	\$19,771.50
46	Conc. Class 4000 for Barrier	158	C.Y.	\$650.00	\$102,700.00	\$1,100.00	\$173,800.00	\$1,500.00	\$237,000.00	\$1,000.00	\$158,000.00
47	St. Reinf. Bar for Barrier	42,670	LB	\$0.90	\$38,403.00	\$1.00	\$42,670.00	\$0.75	\$32,002.50	\$1.05	\$44,803.50
48	Bridge Railing Type BP for Wall Barrier	1,410	L.F.	\$70.00	\$98,700.00	\$70.00	\$98,700.00	\$85.00	\$119,850.00	\$60.00	\$84,600.00
49	Conc. Class 4000 for Free-Standing Barrier	19	C.Y.	\$650.00	\$12,350.00	\$1,000.00	\$19,000.00	\$800.00	\$15,200.00	\$850.00	\$16,150.00
50	St. Reinf. Bar for Free-Standing Barrier	5,160	LB	\$0.90	\$4,644.00	\$1.00	\$5,160.00	\$0.90	\$4,644.00	\$1.02	\$5,263.20
51	Conc. Class 4000 for Impact Attenuator Footing	3	C.Y.	\$500.00	\$1,500.00	\$525.00	\$1,575.00	\$1,000.00	\$3,000.00	\$3,000.00	\$9,000.00
52	St. Reinf. Bar for Impact Attenuator Footing	241	LB	\$0.90	\$217.00	\$1.00	\$241.00	\$2.00	\$482.00	\$1.30	\$313.30
(Continued on Page 13)											



CITY OF YAKIMA
Yakima Railroad Grade Separations Phase 2 -
Lincoln Avenue
 Fed. Aid No.: STPX-NCPD-000S(062)

PROJECT NO. 1818
 DATE: **DECEMBER 16TH, 2009**
 FILE: \\Cityeng\ENGimages\BidSummaries\Lincoln Grade Separation

BID SUMMARY Yakima Railroad Grade Separations Phase 2 - Lincoln Avenue CITY PROJECT NO. 1818				ENGINEERS ESTIMATE		Graham Const		Wildish		Condon Johnson	
ITEM NO.	Bid Security					5% Bond		5% Bond		5% Bond	
	ITEM	QTY	UNIT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
	(Earthwork)										
53	Structure Excavation Class A Incl. Haul	5,575	C.Y.	\$18.00	\$100,350.00	\$5.75	\$32,056.25	\$7.00	\$39,025.00	\$15.00	\$83,625.00
54	Shoring or Extra Excavation Cl. A	1	L.S.	\$150,000.00	\$150,000.00	\$928,400.00	\$928,400.00	\$150,000.00	\$150,000.00	\$120,000.00	\$120,000.00
55	Gravel Backfill for Wall	565	C.Y.	\$30.00	\$16,950.00	\$47.40	\$26,781.00	\$50.00	\$28,250.00	\$30.00	\$16,950.00
	(Wall Cap)										
56	Conc. Class 4000 for Wall Cap	1,914	C.Y.	\$400.00	\$765,600.00	\$435.00	\$832,590.00	\$400.00	\$765,600.00	\$400.00	\$765,600.00
57	St. Reinf. Bar for Wall Cap	326,700	LB	\$0.75	\$245,025.00	\$0.75	\$245,025.00	\$0.75	\$245,025.00	\$0.90	\$294,030.00
	(Soldier Pile Walls)										
58	Shaft - 39" Diameter	442	L.F.	\$400.00	\$176,800.00	\$216.50	\$95,693.00	\$260.00	\$114,920.00	\$74.00	\$32,708.00
59	Shaft - 24" Diameter	50	L.F.	\$250.00	\$12,500.00	\$206.00	\$10,300.00	\$260.00	\$13,000.00	\$66.00	\$3,300.00
60	Furnishing Soldier Pile - W24X103	568	L.F.	\$110.00	\$62,480.00	\$57.50	\$32,660.00	\$60.00	\$34,080.00	\$138.00	\$78,384.00
61	Furnishing Soldier Pile - W21X55 for Underpass Wall	75	L.F.	\$65.00	\$4,875.00	\$37.70	\$2,827.50	\$40.00	\$3,000.00	\$125.00	\$9,375.00
62	Furnishing Soldier Pile - W14X43	58	L.F.	\$55.00	\$3,190.00	\$32.60	\$1,890.80	\$35.00	\$2,030.00	\$120.00	\$6,960.00
63	Lagging for Underpass Wall	2,143	S.F.	\$15.00	\$32,145.00	\$28.50	\$61,075.50	\$8.00	\$17,144.00	\$12.00	\$25,716.00
64	Concrete Fascia Panel	2,143	S.F.	\$35.00	\$75,005.00	\$55.00	\$117,865.00	\$35.00	\$75,005.00	\$23.00	\$49,289.00
	(BNSF Shoring Wall)										
65	Shaft - 36" Diameter	285	L.F.	\$350.00	\$99,750.00	\$216.50	\$61,702.50	\$335.00	\$95,475.00	\$72.00	\$20,520.00
66	Furnishing Soldier Pile - W21X93	105	L.F.	\$100.00	\$10,500.00	\$53.00	\$5,565.00	\$55.00	\$5,775.00	\$154.00	\$16,170.00
67	Furnishing Soldier Pile - W21X55 for BNSF Shoring	152	L.F.	\$65.00	\$9,880.00	\$37.50	\$5,700.00	\$125.00	\$19,000.00	\$140.00	\$21,280.00
68	Lagging for BNSF Shoring	452	S.F.	\$15.00	\$6,780.00	\$29.00	\$13,108.00	\$35.00	\$15,820.00	\$18.00	\$8,136.00
	(Shotcrete Facing)										
69	Shotcrete Facing	10,700	S.F.	\$20.00	\$214,000.00	\$33.50	\$358,450.00	\$30.00	\$321,000.00	\$52.00	\$556,400.00
70	Prefabricated Drainage Mat	1,190	S.Y.	\$10.00	\$11,900.00	\$15.00	\$17,850.00	\$25.00	\$29,750.00	\$30.00	\$35,700.00
	(Continued on Page 14)										



CITY OF YAKIMA
Yakima Railroad Grade Separations Phase 2 -
Lincoln Avenue
 Fed. Aid No.: STPX-NCPD-000S(062)

PROJECT NO. 1818
 DATE: DECEMBER 16TH, 2009
 FILE: \\Cityeng\ENGimages\BidSummaries\Lincoln Grade Separation

BID SUMMARY Yakima Railroad Grade Separations Phase 2 - Lincoln Avenue CITY PROJECT NO. 1818				ENGINEERS ESTIMATE		Graham Const		Wildish		Condon Johnson	
ITEM NO.	Bid Security					5% Bond		5% Bond		5% Bond	
	ITEM	QTY	UNIT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
	(Bottom Seal)										
71	Bottom Seal	1	L.S.	\$3,750,000.00	\$3,750,000.00	\$2,200,000.00	\$2,200,000.00	\$2,000,000.00	\$2,000,000.00	\$2,795,000.00	\$2,795,000.00
72	Bottom Seal Test Program	1	L.S.	\$100,000.00	\$100,000.00	\$125,000.00	\$125,000.00	\$150,000.00	\$150,000.00	\$400,000.00	\$400,000.00
	(Struts)										
73	Prestressed Conc. Girder For Strut	288	L.F.	\$600.00	\$172,800.00	\$600.00	\$172,800.00	\$700.00	\$201,600.00	\$630.00	\$181,440.00
	(Misc.)										
74	Wet Well Shoring	1	L.S.	\$227,000.00	\$227,000.00	\$50,000.00	\$50,000.00	\$100,000.00	\$100,000.00	\$176,000.00	\$176,000.00
75	Fiber Optic Relocation	1	L.S.	\$25,000.00	\$25,000.00	\$33,000.00	\$33,000.00	\$15,000.00	\$15,000.00	\$27,000.00	\$27,000.00
	(Front St. Bridge)										
76	Superstructure - Front St. Bridge	1	L.S.	\$201,700.00	\$201,700.00	\$300,000.00	\$300,000.00	\$225,000.00	\$225,000.00	\$226,000.00	\$226,000.00
77	Bridge Approach Slab	227	S.Y.	\$250.00	\$56,750.00	\$200.00	\$45,400.00	\$250.00	\$56,750.00	\$270.00	\$61,290.00
	(BNSF Bridge)										
78	Superstructure - BNSF Bridge	1	L.S.	\$346,500.00	\$346,500.00	\$300,000.00	\$300,000.00	\$300,000.00	\$300,000.00	\$301,460.00	\$301,460.00
	(Access Rd. Bridge)										
79	Superstructure - Access Rd. Bridge	1	L.S.	\$132,600.00	\$132,600.00	\$250,000.00	\$250,000.00	\$150,000.00	\$150,000.00	\$160,000.00	\$160,000.00
	(Pond Structure)										
80	Conc. Class 4000 for Pond Structure	194	C.Y.	\$650.00	\$126,100.00	\$750.00	\$145,500.00	\$750.00	\$145,500.00	\$700.00	\$135,800.00
81	St. Reinf. Bar for Pond Structure	46,640	LB	\$0.90	\$41,976.00	\$0.85	\$39,644.00	\$1.00	\$46,640.00	\$1.00	\$46,640.00
82	Bridge Railing Type - Pedestrian Rail	220	L.F.	\$150.00	\$33,000.00	\$135.00	\$29,700.00	\$160.00	\$35,200.00	\$114.00	\$25,080.00
	(Loading Dock)										
83	Conc. Class 4000 for Loading Dock Structure	9	C.Y.	\$1,000.00	\$9,000.00	\$2,000.00	\$18,000.00	\$1,100.00	\$9,900.00	\$1,000.00	\$9,000.00
84	St. Reinf. Bar for Loading Dock Structure	1,415	LB	\$0.90	\$1,274.00	\$1.00	\$1,415.00	\$1.00	\$1,415.00	\$1.00	\$1,415.00
	(Continued on Page 15)										



CITY OF YAKIMA
Yakima Railroad Grade Separations Phase 2 -
Lincoln Avenue
 Fed. Aid No.: STPX-NCPD-000S(062)

PROJECT NO. 1818
 DATE: **DECEMBER 16TH, 2009**
 FILE: \\Cityeng\ENGimages\BidSummaries\Lincoln Grade Separation

BID SUMMARY Yakima Railroad Grade Separations Phase 2 - Lincoln Avenue CITY PROJECT NO. 1818				ENGINEERS ESTIMATE		Graham Const		Wildish		Condon Johnson	
ITEM NO.	Bid Security					5% Bond		5% Bond		5% Bond	
	ITEM	QTY	UNIT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
SURFACING											
85	Crushed Surfacing Base Course	1,450	TON	\$16.00	\$23,200.00	\$15.10	\$21,895.00	\$16.00	\$23,200.00	\$21.60	\$31,320.00
86	Washed Crushed Surfacing Base Course	670	TON	\$25.00	\$16,750.00	\$23.30	\$15,611.00	\$24.00	\$16,080.00	\$23.00	\$15,410.00
87	Construction Geotextile for Separation	3,108	S.Y.	\$5.00	\$15,540.00	\$0.90	\$2,797.20	\$2.00	\$6,216.00	\$0.75	\$2,331.00
88	Crushed Surfacing Top Course	155	TON	\$18.00	\$2,790.00	\$22.40	\$3,472.00	\$24.00	\$3,720.00	\$31.00	\$4,805.00
ASPHALT TREATED BASE											
89	Asphalt Treated Base	525	TON	\$60.00	\$31,500.00	\$63.00	\$33,075.00	\$66.00	\$34,650.00	\$65.00	\$34,125.00
HOT MIX ASPHALT PAVEMENT											
90	HMA Cl. 1/2" PG 64-28	2,305	TON	\$65.00	\$149,825.00	\$73.00	\$168,265.00	\$76.00	\$175,180.00	\$82.50	\$190,162.50
EROSION CONTROL AND PLANTING											
91	Dewatering	1	L.S.	\$50,000.00	\$50,000.00	\$50,000.00	\$50,000.00	\$1,000.00	\$1,000.00	\$37,000.00	\$37,000.00
(Continued on Page 16)											



CITY OF YAKIMA
Yakima Railroad Grade Separations Phase 2 -
Lincoln Avenue
 Fed. Aid No.: STPX-NCPD-000S(062)

PROJECT NO. 1818
 DATE: **DECEMBER 16TH, 2009**
 FILE: \\Cityeng\ENGimages\BidSummaries\Lincoln Grade Separation

BID SUMMARY Yakima Railroad Grade Separations Phase 2 - Lincoln Avenue CITY PROJECT NO. 1818				ENGINEERS ESTIMATE		Graham Const		Wildish		Condon Johnson	
ITEM NO.	Bid Security			UNIT PRICE	AMOUNT	5% Bond		5% Bond		5% Bond	
	ITEM	QTY	UNIT			UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
TRAFFIC											
92	Cement Conc. Traffic Curb and Gutter	490	L.F.	\$25.00	\$12,250.00	\$18.00	\$8,820.00	\$12.00	\$5,880.00	\$11.35	\$5,561.50
93	Extruded Curb	1,275	L.F.	\$5.00	\$6,375.00	\$10.00	\$12,750.00	\$5.00	\$6,375.00	\$4.30	\$5,482.50
94	Cement Conc. Traffic Curb	95	L.F.	\$10.00	\$950.00	\$15.00	\$1,425.00	\$25.00	\$2,375.00	\$24.30	\$2,308.50
95	Permanent Impact Attenuator	1	EA.	\$20,000.00	\$20,000.00	\$25,000.00	\$25,000.00	\$13,000.00	\$13,000.00	\$21,000.00	\$21,000.00
96	Painted Traffic Arrow	93	EA.	\$50.00	\$4,650.00	\$55.00	\$5,115.00	\$50.00	\$4,650.00	\$55.00	\$5,115.00
97	Painted Bicycle Lane Symbol	13	EA.	\$50.00	\$650.00	\$75.00	\$975.00	\$40.00	\$520.00	\$75.00	\$975.00
98	Painted Traffic Letter	88	EA.	\$50.00	\$4,400.00	\$35.00	\$3,080.00	\$50.00	\$4,400.00	\$35.00	\$3,080.00
99	Paint Line	11,910	L.F.	\$0.30	\$3,573.00	\$0.35	\$4,168.50	\$0.22	\$2,620.20	\$0.35	\$4,168.50
100	Painted Wide Line	2,345	L.F.	\$0.35	\$821.00	\$0.40	\$938.00	\$0.32	\$750.40	\$0.40	\$938.00
101	Painted Crosswalk Line	2,360	S.F.	\$3.50	\$8,260.00	\$1.50	\$3,540.00	\$2.70	\$6,372.00	\$1.50	\$3,540.00
102	Painted Stop Line	540	L.F.	\$0.35	\$189.00	\$2.00	\$1,080.00	\$1.60	\$864.00	\$2.00	\$1,080.00
103	Painted Railroad Crossing Symbol	7	EA.	\$100.00	\$700.00	\$400.00	\$2,800.00	\$700.00	\$4,900.00	\$400.00	\$2,800.00
104	Permanent Signing	1	L.S.	\$1,000.00	\$1,000.00	\$25,000.00	\$25,000.00	\$16,000.00	\$16,000.00	\$26,810.00	\$26,810.00
105	Illumination System Complete	1	L.S.	\$43,300.00	\$43,300.00	\$99,000.00	\$99,000.00	\$105,000.00	\$105,000.00	\$99,219.00	\$99,219.00
106	Traffic Signal System First Street and Lincoln Avenue, Complete	1	L.S.	\$34,500.00	\$34,500.00	\$61,000.00	\$61,000.00	\$65,000.00	\$65,000.00	\$60,818.00	\$60,818.00
107	Traffic Signal System 1st Avenue and Lincoln Avenue, Complete	1	L.S.	\$12,500.00	\$12,500.00	\$25,000.00	\$25,000.00	\$27,000.00	\$27,000.00	\$25,162.00	\$25,162.00
108	Traffic Signal System 3rd Avenue and Lincoln Avenue, Complete	1	L.S.	\$4,300.00	\$4,300.00	\$5,000.00	\$5,000.00	\$6,000.00	\$6,000.00	\$4,959.00	\$4,959.00
109	Traffic Signal System First Street and MLK JR Boulevard, Complete	1	L.S.	\$15,700.00	\$15,700.00	\$26,500.00	\$26,500.00	\$28,000.00	\$28,000.00	\$26,431.00	\$26,431.00
110	Traffic Signal System 1st Avenue and MLK JR Boulevard, Complete	1	L.S.	\$28,100.00	\$28,100.00	\$40,500.00	\$40,500.00	\$43,000.00	\$43,000.00	\$40,513.00	\$40,513.00
111	Traffic Signal System 3rd Avenue and MLK JR Boulevard, Complete	1	L.S.	\$27,700.00	\$27,700.00	\$40,600.00	\$40,600.00	\$43,000.00	\$43,000.00	\$40,589.00	\$40,589.00
112	Traffic Signal System 2nd Avenue and MLK JR Boulevard, Complete	1	L.S.	\$55,000.00	\$55,000.00	\$89,000.00	\$89,000.00	\$92,000.00	\$92,000.00	\$88,649.00	\$88,649.00
113	Project Temporary Traffic Control	1	L.S.	\$30,000.00	\$30,000.00	\$50,000.00	\$50,000.00	\$100,000.00	\$100,000.00	\$240,000.00	\$240,000.00
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CITY OF YAKIMA
Yakima Railroad Grade Separations Phase 2 -
Lincoln Avenue
 Fed. Aid No.: STPX-NCPD-000S(062)

PROJECT NO. 1818
 DATE: **DECEMBER 16TH, 2009**
 FILE: \\Cityeng\ENGimages\BidSummaries\Lincoln Grade Separation

BID SUMMARY Yakima Railroad Grade Separations Phase 2 - Lincoln Avenue CITY PROJECT NO. 1818				ENGINEERS ESTIMATE		Graham Const		Wildish		Condon Johnson	
ITEM NO.	Bid Security					5% Bond		5% Bond		5% Bond	
	ITEM	QTY	UNIT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
OTHER ITEMS											
114	Structure Surveying	1	L.S.	\$40,000.00	\$40,000.00	\$33,300.00	\$33,300.00	\$35,000.00	\$35,000.00	\$33,000.00	\$33,000.00
115	Roadway Surveying	1	L.S.	\$30,000.00	\$30,000.00	\$8,500.00	\$8,500.00	\$10,000.00	\$10,000.00	\$8,500.00	\$8,500.00
116	Licensed Surveying	Est.	F.A.	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00
117	Cement Conc. Sidewalk	300	S.Y.	\$30.00	\$9,000.00	\$42.00	\$12,600.00	\$26.00	\$7,800.00	\$24.30	\$7,290.00
118	Cement Conc. Sidewalk Ramp Type 4a	1	EA.	\$1,200.00	\$1,200.00	\$700.00	\$700.00	\$400.00	\$400.00	\$365.00	\$365.00
119	Cement Conc. Sidewalk Ramp Type 2	1	EA.	\$1,200.00	\$1,200.00	\$800.00	\$800.00	\$400.00	\$400.00	\$365.00	\$365.00
120	Cement Conc. Sidewalk Ramp Type 1	2	EA.	\$1,200.00	\$2,400.00	\$900.00	\$1,800.00	\$400.00	\$800.00	\$365.00	\$730.00
121	Concrete Driveway Approach	5	EA.	\$1,200.00	\$6,000.00	\$2,500.00	\$12,500.00	\$800.00	\$4,000.00	\$775.00	\$3,875.00
122	Chain Link Fence Type 3	790	L.F.	\$18.00	\$14,220.00	\$20.00	\$15,800.00	\$21.00	\$16,590.00	\$21.84	\$17,253.60
123	End, Gate, Corner and Pull Post for Chain Link Fence	18	EA.	\$125.00	\$2,250.00	\$214.00	\$3,852.00	\$250.00	\$4,500.00	\$118.00	\$2,124.00
124	Double 20 Ft. Chain Link Gate	3	EA.	\$1,300.00	\$3,900.00	\$665.00	\$1,995.00	\$700.00	\$2,100.00	\$1,150.00	\$3,450.00
125	Training	1,500	HR.	\$2.00	\$3,000.00	\$2.00	\$3,000.00	\$20.00	\$30,000.00	\$1.50	\$2,250.00
126	Adjust Manhole	1	EA.	\$500.00	\$500.00	\$425.00	\$425.00	\$600.00	\$600.00	\$150.00	\$150.00
127	Type C Progress Schedule	1	L.S.	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00
128	Schedule Updates	12	EA.	\$1,000.00	\$12,000.00	\$1,000.00	\$12,000.00	\$700.00	\$8,400.00	\$1,000.00	\$12,000.00
129	Contractor Public Involvement/Information Support	1	L.S.	\$15,000.00	\$15,000.00	\$5,000.00	\$5,000.00	\$2,000.00	\$2,000.00	\$7,500.00	\$7,500.00
130	Miscellaneous Force Account Work	Est.	F.A.	\$770,000.00	\$770,000.00	\$770,000.00	\$770,000.00	\$770,000.00	\$770,000.00	\$770,000.00	\$770,000.00
Subtotal - Base Bid						\$11,909,650.00		\$11,152,561.15		\$10,238,149.10	\$11,214,110.10
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BID SUMMARY Yakima Railroad Grade Separations Phase 2 - Lincoln Avenue CITY PROJECT NO. 1818				ENGINEERS ESTIMATE		Graham Const		Wildish		Condon Johnson	
ITEM NO.	Bid Security					5% Bond		5% Bond		5% Bond	
	ITEM	QTY	UNIT	UNIT	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
	(Alternative A1 - Secant Pile Wall)										
131	Soil Excavation for Lagging Shaft Incl. Haul	1,451	C.Y.	\$300.00	\$435,300.00	\$105.00	\$152,355.00	\$350.00	\$507,850.00	\$186.00	\$269,886.00
132	Soil Excavation for Reinforced Shaft Incl. Haul	1,838	C.Y.	\$350.00	\$643,300.00	\$155.00	\$284,890.00	\$350.00	\$643,300.00	\$212.00	\$389,656.00
133	Furnishing and Placing Temp. Casing for Lagging Shaft	3,117	L.F.	\$250.00	\$779,250.00	\$1.00	\$3,117.00	\$1.00	\$3,117.00	\$73.00	\$227,541.00
134	Furnishing and Placing Temp. Casing for Reinf. Shaft	3,948	L.F.	\$275.00	\$1,085,700.00	\$1.00	\$3,948.00	\$1.00	\$3,948.00	\$90.00	\$355,320.00
135	Lean Concrete for Shaft	1,451	C.Y.	\$100.00	\$145,100.00	\$280.00	\$406,280.00	\$325.00	\$471,575.00	\$140.00	\$203,140.00
136	Conc. Class 4000P for Shaft	1,838	C.Y.	\$150.00	\$275,700.00	\$303.00	\$556,914.00	\$335.00	\$615,730.00	\$270.00	\$496,260.00
137	St. Reinf. Bar for Shaft	447,592	LB	\$0.65	\$290,935.00	\$0.75	\$335,694.00	\$0.85	\$380,453.20	\$0.91	\$407,308.72
138	CSL Access Tube	15,739	L.F.	\$6.00	\$94,434.00	\$6.30	\$99,155.70	\$11.00	\$173,129.00	\$9.30	\$146,372.70
139	CSL Test	174	EA.	\$500.00	\$87,000.00	\$510.00	\$88,740.00	\$600.00	\$104,400.00	\$470.00	\$81,780.00
140	Secant Pile Wall Test Section	1	L.S.	\$50,000.00	\$50,000.00	\$60,000.00	\$60,000.00	\$60,000.00	\$60,000.00	\$173,000.00	\$173,000.00
	Subtotal - Alternative A1 - Secant Pile Wall				\$3,886,719.00		\$1,991,093.70		\$2,963,502.20		\$2,750,264.42
	(Alternative A2 - Diaphragm Wall)										
141	Diaphragm Wall	24,000	S.F.	\$90.00	\$2,160,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
142	CSL Test	110	EA.	\$1,000.00	\$110,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
143	Diaphragm Wall Test Section	1	L.S.	\$50,000.00	\$50,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Subtotal - Alternative A2 - Diaphragm Wall				\$2,320,000.00						
	Estimated Bid Price (Base Bid + Lower of Alternative A1 or A2)				\$14,229,650.00		\$13,143,654.85		\$13,201,651.30		\$13,964,374.52



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