

## Estimate

Estimated Cost:\$225,359,090.14

Contingency: 22.00%

**Estimated Total: \$274,938,089.97**

### CUY-90-16.28 | PID 82382 CLEVELAND INNERBELT CCG3A STAGE 3 COST ESTIMATE

**Base Date: 05/22/24**

Spec Year: 23

Unit System: E

Work Type: GEN CONST: INVLVS 2 OR MOR MAJ WRK TYPE

Highway Type:

Urban/Rural Type: URBAN CLASS

Season: SUMMER

County: CUYAHOGA

Latitude of Midpoint: 412940

Longitude of Midpoint: -814054

District: 12

Federal/State Project Number: E070 (586)

*Prepared by JTH on 05/22/24*

Estimate:

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
<u>Description</u>					
<u>Supplemental Description</u>					

Group 0001: ROADWAY

0001	201E11000	1.000	LS	\$50,000.00000	\$50,000.00
CLEARING AND GRUBBING					
0002	202E11000	1.000	LS	\$30,000.00000	\$30,000.00
STRUCTURE REMOVED					
0003	202E11200	1.000	LS	\$50,000.00000	\$50,000.00
PORTIONS OF STRUCTURE REMOVED					
0004	202E22900	1,341.000	SY	\$34.47215	\$46,227.15
APPROACH SLAB REMOVED					
0005	202E23000	133,744.000	SY	\$8.27608	\$1,106,876.04
PAVEMENT REMOVED					
0006	202E30000	101,667.000	SF	\$5.00000	\$508,335.00
WALK REMOVED					
0007	202E30600	509.000	SY	\$17.57004	\$8,943.15
CONCRETE MEDIAN REMOVED					
0008	202E30700	6,105.000	FT	\$15.56576	\$95,028.96
CONCRETE BARRIER REMOVED					
0009	202E30800	714.000	SY	\$17.76631	\$12,685.15
TRAFFIC ISLAND REMOVED					
0010	202E32000	23,863.000	FT	\$10.00000	\$238,630.00
CURB REMOVED					
0011	202E35100	7,065.000	FT	\$21.16000	\$149,495.40
PIPE REMOVED, 24" AND UNDER					
0012	202E35200	609.000	FT	\$39.19000	\$23,866.71
PIPE REMOVED, OVER 24"					
0013	202E38000	6,379.000	FT	\$2.32266	\$14,816.25
GUARDRAIL REMOVED					
0014	202E42000	1.000	EACH	\$517.66812	\$517.67
ANCHOR ASSEMBLY REMOVED, TYPE A					
0015	202E42010	2.000	EACH	\$224.64936	\$449.30
ANCHOR ASSEMBLY REMOVED, TYPE E					
0016	202E42040	7.000	EACH	\$156.78369	\$1,097.49
ANCHOR ASSEMBLY REMOVED, TYPE T					
0017	202E42050	2.000	EACH	\$169.10867	\$338.22
ANCHOR ASSEMBLY REMOVED, TYPE B					

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<u>Description</u>					
<u>Supplemental Description</u>					
0018	202E47000	6.000	EACH	\$122.38409	\$734.30
BRIDGE TERMINAL ASSEMBLY REMOVED					
0019	202E47001	1.000	EACH	\$250.00000	\$250.00
BRIDGE TERMINAL ASSEMBLY REMOVED, AS PER PLAN					
0020	202E47800	2.000	EACH	\$426.77529	\$853.55
IMPACT ATTENUATOR REMOVED					
0021	202E56000	1.000	LS	\$25,000.00000	\$25,000.00
BUILDING DEMOLISHED (103-14-010 / 325-WD)					
0022	202E56000	1.000	LS	\$5,000.00000	\$5,000.00
BUILDING DEMOLISHED (103-13-019 / 320-WL)					
0023	202E56001	1.000	LS	\$50,000.00000	\$50,000.00
BUILDING DEMOLISHED, AS PER PLAN (103-26-003 / 303)					
0024	202E58000	15.000	EACH	\$750.09645	\$11,251.45
MANHOLE REMOVED					
0025	202E58100	63.000	EACH	\$567.41853	\$35,747.37
CATCH BASIN REMOVED					
0026	202E58200	21.000	EACH	\$444.64836	\$9,337.62
INLET REMOVED					
0027	202E58400	11.000	EACH	\$1,000.00000	\$11,000.00
INLET ABANDONED					
0028	202E58500	21.000	EACH	\$555.02332	\$11,655.49
CATCH BASIN ABANDONED					
0029	202E58700	9.000	EACH	\$1,091.38395	\$9,822.46
MANHOLE ABANDONED					
0030	202E70000	2,317.000	FT	\$20.00000	\$46,340.00
SPECIAL - FILL AND PLUG EXISTING CONDUIT (12" AND UNDER)					
0031	202E70000	1,186.000	FT	\$25.00000	\$29,650.00
SPECIAL - FILL AND PLUG EXISTING CONDUIT (15")					
0032	202E70000	510.000	FT	\$30.00000	\$15,300.00
SPECIAL - FILL AND PLUG EXISTING CONDUIT (18")					
0033	202E70000	51.000	FT	\$35.00000	\$1,785.00
SPECIAL - FILL AND PLUG EXISTING CONDUIT (21")					
0034	202E70000	255.000	FT	\$40.00000	\$10,200.00
SPECIAL - FILL AND PLUG EXISTING CONDUIT (24")					

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0035	202E70000 SPECIAL - FILL AND PLUG EXISTING CONDUIT (27")	334.000	FT	\$45.00000	\$15,030.00
0036	202E70000 SPECIAL - FILL AND PLUG EXISTING CONDUIT (30")	48.000	FT	\$50.00000	\$2,400.00
0037	202E70000 SPECIAL - FILL AND PLUG EXISTING CONDUIT (36")	361.000	FT	\$55.00000	\$19,855.00
0038	202E70000 SPECIAL - FILL AND PLUG EXISTING CONDUIT (66")	475.000	FT	\$75.00000	\$35,625.00
0039	202E70000 SPECIAL - FILL AND PLUG EXISTING CONDUIT (NO. 8 BR)	349.000	FT	\$75.00000	\$26,175.00
0040	202E75000 FENCE REMOVED	10,971.000	FT	\$5.00000	\$54,855.00
0041	202E75250 GATE REMOVED	13.000	EACH	\$65.83866	\$855.90
0042	202E98100 REMOVAL MISC.: BOLLARD	26.000	EACH	\$1,000.00000	\$26,000.00
0043	202E98100 REMOVAL MISC.: BILLBOARD	2.000	EACH	\$20,000.00000	\$40,000.00
0044	202E98100 REMOVAL MISC.: PAY BOX	1.000	EACH	\$500.00000	\$500.00
0045	202E98100 REMOVAL MISC.: UTILITY POLE	1.000	EACH	\$500.00000	\$500.00
0046	202E98200 REMOVAL MISC.: BURIED TRACK	1,000.000	FT	\$10.00000	\$10,000.00
0047	202E98200 REMOVAL MISC.: DELINEATOR CURB	266.000	FT	\$10.00000	\$2,660.00
0048	202E98200 REMOVAL MISC.: PORTABLE BARRIER	264.000	FT	\$20.00000	\$5,280.00
0049	203E10000 EXCAVATION	424,353.000	CY	\$8.51339	\$3,612,682.59
0050	203E10001 EXCAVATION, AS PER PLAN	34,933.000	CY	\$9.50000	\$331,863.50
0051	203E20000 EMBANKMENT	84,831.000	CY	\$7.57021	\$642,188.48

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0052	203E20001 EMBANKMENT, AS PER PLAN	27,162.000	CY	\$10.00000	\$271,620.00
0053	203E98000 ROADWAY, MISC.: EPS GEOFOAM FILL	99,839.000	CY	\$100.00000	\$9,983,900.00
0054	203E98100 ROADWAY, MISC.: REINFORCED TURF	202.000	SY	\$63.00000	\$12,726.00
0055	204E10000 SUBGRADE COMPACTION	65,117.000	SY	\$1.32446	\$86,244.86
0056	204E45000 PROOF ROLLING	33.000	HOUR	\$246.91871	\$8,148.32
0057	204E50000 GEOTEXTILE FABRIC	600.000	SY	\$2.51953	\$1,511.72
0058	206E11000 CURING COAT	3,861.000	SY	\$1.24979	\$4,825.44
0059	206E15010 CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP	73,852.000	SY	\$4.64499	\$343,041.80
0060	206E15010 CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP AS PER PLAN	7,500.000	SY	\$6.00000	\$45,000.00
0061	606E15050 GUARDRAIL, TYPE MGS	8,738.000	FT	\$18.95039	\$165,588.51
0062	606E26050 ANCHOR ASSEMBLY, MGS TYPE B	5.000	EACH	\$2,079.41856	\$10,397.09
0063	606E26150 ANCHOR ASSEMBLY, MGS TYPE E (MASH 2016)	8.000	EACH	\$2,608.37651	\$20,867.01
0064	606E26550 ANCHOR ASSEMBLY, MGS TYPE T	13.000	EACH	\$1,193.70273	\$15,518.14
0065	606E35002 MGS BRIDGE TERMINAL ASSEMBLY, TYPE 1	13.000	EACH	\$2,398.14786	\$31,175.92
0066	606E35102 MGS BRIDGE TERMINAL ASSEMBLY, TYPE 2	9.000	EACH	\$674.12452	\$6,067.12
0067	606E35103 MGS BRIDGE TERMINAL ASSEMBLY, TYPE 2, AS PER PLAN	1.000	EACH	\$1,500.00000	\$1,500.00
0068	606E60022 IMPACT ATTENUATOR, TYPE 2 (UNIDIRECTIONAL) (50 MPH, 69" WIDE)	1.000	EACH	\$28,519.36520	\$28,519.37

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0069	606E60022	3.000	EACH	\$28,519.36520	\$85,558.10
IMPACT ATTENUATOR, TYPE 2 (UNIDIRECTIONAL) (50 MPH, 90" WIDE)					
0070	607E23000	4,291.000	FT	\$20.54136	\$88,142.98
FENCE, TYPE CLT					
0071	607E35000	439.000	FT	\$24.82626	\$10,898.73
FENCE REMOVED AND REBUILT					
0072	607E61200	2.000	EACH	\$1,948.05519	\$3,896.11
GATE, TYPE CLT					
0073	608E13001	94,745.000	SF	\$9.00000	\$852,705.00
6" CONCRETE WALK, AS PER PLAN					
0074	608E21200	1,366.000	SF	\$10.00000	\$13,660.00
TEMPORARY ASPHALT CONCRETE WALK					
0075	608E52001	8,865.000	SF	\$25.00000	\$221,625.00
CURB RAMP, AS PER PLAN					
0076	608E52001	935.000	SF	\$23.00000	\$21,505.00
CURB RAMP, AS PER PLAN					
0077	622E10100	2,160.000	FT	\$133.77469	\$288,953.33
CONCRETE BARRIER, SINGLE SLOPE, TYPE B1					
0078	622E10120	307.000	FT	\$127.07043	\$39,010.62
CONCRETE BARRIER, SINGLE SLOPE, TYPE C					
0079	622E10121	108.000	FT	\$200.00000	\$21,600.00
CONCRETE BARRIER, SINGLE SLOPE, TYPE C, AS PER PLAN					
0080	622E10140	3,306.000	FT	\$141.00497	\$466,162.43
CONCRETE BARRIER, SINGLE SLOPE, TYPE C1					
0081	622E10141	31.000	FT	\$140.00000	\$4,340.00
CONCRETE BARRIER, SINGLE SLOPE, TYPE C1, AS PER PLAN					
0082	622E10160	3,049.000	FT	\$74.93973	\$228,491.24
CONCRETE BARRIER, SINGLE SLOPE, TYPE D					
0083	622E24841	1.000	EACH	\$9,000.00000	\$9,000.00
CONCRETE BARRIER END SECTION, TYPE B, AS PER PLAN					
0084	622E25000	3.000	EACH	\$4,585.40670	\$13,756.22
CONCRETE BARRIER END SECTION, TYPE D					
0085	622E25006	17.000	EACH	\$4,199.19227	\$71,386.27
CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE B1					

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0086	622E25008	3.000	EACH	\$5,000.00000	\$15,000.00
CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE C					
0087	622E25009	2.000	EACH	\$7,000.00000	\$14,000.00
CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE C, AS PER PLAN					
0088	622E25014	27.000	EACH	\$3,907.03258	\$105,489.88
CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE C1					
0089	622E25050	30.000	EACH	\$2,595.57384	\$77,867.22
CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE D					
0090	622E25051	3.000	EACH	\$6,000.00000	\$18,000.00
CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE D, AS PER PLAN					
0091	622E41011	59,012.000	FT	\$10.00000	\$590,120.00
PORTABLE BARRIER, 50", AS PER PLAN					
0092	622E90200	3.000	EACH	\$2,500.00000	\$7,500.00
BARRIER, MISC.: DUAL PORTABLE BARRIER TRANSITION/TERMINATION					
0093	622E41101	1,320.000	FT	\$100.00000	\$132,000.00
PORTABLE BARRIER, UNANCHORED, AS PER PLAN					
0094	622E41111	2,054.000	FT	\$25.00000	\$51,350.00
PORTABLE BARRIER, ANCHORED, AS PER PLAN					
0095	623E12010	45.000	EACH	\$1,100.00000	\$49,500.00
PRIMARY PROJECT CONTROL MONUMENT, TYPE B					
0096	623E40900	60.000	EACH	\$800.00000	\$48,000.00
MONUMENT, MISC.: CLEVELAND MONUMENT ASSEMBLY					
0097	690E98000	160.000	EACH	\$250.00000	\$40,000.00
SPECIAL - UTILITY TEST HOLE					
0098	690E98700	321.000	CY	\$200.00000	\$64,200.00
SPECIAL - LOW DENSITY CELLULAR CONCRETE FILL, CLASS II					
0099	690E98700	200.000	CY	\$85.00000	\$17,000.00
SPECIAL - UNDERCUTTING SUBGRADE AND SUBBASE					

Total for Group 0001:\$22,145,073.63

## Group 0002: EROSION CONTROL

0100	601E21050	14.000	SY	\$171.26985	\$2,397.78
TIED CONCRETE BLOCK MAT WITH TYPE 1 UNDERLAYMENT					
0101	601E21060	234.000	SY	\$72.21391	\$16,898.05
TIED CONCRETE BLOCK MAT WITH TYPE 2 UNDERLAYMENT					

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0102	601E32200	642.000	CY	\$87.57510	\$56,223.21
ROCK CHANNEL PROTECTION, TYPE C WITH FILTER					
0103	601E32301	6,162.000	CY	\$80.00000	\$492,960.00
ROCK CHANNEL PROTECTION, TYPE D WITH FILTER, AS PER PLAN					
0104	601E37501	104.000	FT	\$85.00000	\$8,840.00
PAVED GUTTER, TYPE 1-2, AS PER PLAN					
0105	616E10000	2,285.000	MGAL	\$15.60895	\$35,666.45
WATER					
0106	616E20000	150.000	TON	\$150.00000	\$22,500.00
CALCIUM CHLORIDE					
0107	659E00100	10.000	EACH	\$70.08859	\$700.89
SOIL ANALYSIS TEST					
0108	659E00301	15,613.000	CY	\$18.49290	\$288,729.65
TOPSOIL, AS PER PLAN					
0109	659E00501	31,664.000	SY	\$2.00000	\$63,328.00
SEEDING AND MULCHING, CLASS 1, AS PER PLAN					
0110	659E00511	15,921.000	SY	\$2.00000	\$31,842.00
SEEDING AND MULCHING, CLASS 2, AS PER PLAN					
0111	659E00581	93,070.000	SY	\$3.00000	\$279,210.00
SEEDING AND MULCHING, CLASS 5B, AS PER PLAN					
0112	659E14000	7,033.000	SY	\$0.55914	\$3,932.43
REPAIR SEEDING AND MULCHING					
0113	659E15000	7,033.000	SY	\$0.37038	\$2,604.88
INTER-SEEDING					
0114	659E20000	19.620	TON	\$634.44679	\$12,447.85
COMMERCIAL FERTILIZER					
0115	659E31000	29.060	ACRE	\$51.46919	\$1,495.69
LIME					
0116	659E35000	779.000	MGAL	\$1.22316	\$952.84
WATER					
0117	659E40000	316.000	MSF	\$0.97572	\$308.33
MOWING					
0118	670E00500	19,901.000	SY	\$2.35607	\$46,888.15
SLOPE EROSION PROTECTION					



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0119	670E00720 DITCH EROSION PROTECTION MAT, TYPE B	1,262.000	SY	\$1.92900	\$2,434.40
0120	832E15000 STORM WATER POLLUTION PREVENTION PLAN	1.000	LS	\$30,000.00000	\$30,000.00
0121	832E15002 STORM WATER POLLUTION PREVENTION INSPECTIONS	1.000	LS	\$200,000.00000	\$200,000.00
0122	832E15010 STORM WATER POLLUTION PREVENTION INSPECTION SOFTWARE	1.000	LS	\$100,000.00000	\$100,000.00
0123	832E30000 EROSION CONTROL	2,400,000.000	EACH	\$1.00000	\$2,400,000.00
0124	836E10000 SEEDING AND EROSION CONTROL WITH TURF REINFORCING MAT, TYPE 1	31.000	SY	\$7.04521	\$218.40

Total for Group 0002:\$4,100,579.00

### Group 0003: ENVIRONMENTAL

0125	690E65000 SPECIAL - WORK INVOLVING NON-REGULATED MATERIALS	755.000	TON	\$60.00000	\$45,300.00
0126	690E65016 SPECIAL - WORK INVOLVING PETROLEUM CONTAMINATED SOIL	7,550.000	TON	\$65.00000	\$490,750.00
0127	690E65022 SPECIAL - WORK INVOLVING NON-REGULATED WATER	105,000.000	GAL	\$2.00000	\$210,000.00
0128	690E65024 SPECIAL - WORK INVOLVING REGULATED WATER	42,000.000	GAL	\$3.00000	\$126,000.00
0129	690E98400 SPECIAL - WORK INVOLVING ASBESTOS CONTAINING MATERIALS (2636 CARNEGIE AVENUE)	1.000	LS	\$5,000.00000	\$5,000.00
0130	690E98400 SPECIAL - WORK INVOLVING ASBESTOS CONTAINING MATERIALS (CARNEGIE AVENUE, CUY-90-1696)	1.000	LS	\$10,000.00000	\$10,000.00
0131	690E98400 SPECIAL - WORK INVOLVING ASBESTOS CONTAINING MATERIALS (E. 22ND STREET, CUY-90-1678)	1.000	LS	\$10,000.00000	\$10,000.00
0132	690E98400 SPECIAL - WORK INVOLVING ASBESTOS CONTAINING MATERIALS (E5, CUY-90-1640)	1.000	LS	\$10,000.00000	\$10,000.00
0133	690E98400 SPECIAL - WORK INVOLVING ASBESTOS CONTAINING MATERIALS (E6, CUY77-1593L)	1.000	LS	\$10,000.00000	\$10,000.00
0134	690E98400 SPECIAL - WORK INVOLVING ASBESTOS CONTAINING MATERIALS (E10, CUY-E14TH-0002SN)	1.000	LS	\$10,000.00000	\$10,000.00

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Total for Group 0003:\$927,050.00

Group 0004: DRAINAGE

0135	602E20000 CONCRETE MASONRY	8.500	CY	\$2,041.93024	\$17,356.41
0136	605E11110 6" SHALLOW PIPE UNDERDRAINS WITH GEOTEXTILE FABRIC	25,609.000	FT	\$13.48447	\$345,323.79
0137	605E13300 6" UNCLASSIFIED PIPE UNDERDRAINS	2,236.000	FT	\$13.77074	\$30,791.37
0138	605E14020 6" BASE PIPE UNDERDRAINS WITH GEOTEXTILE FABRIC	40,888.000	FT	\$11.14440	\$455,672.23
0139	605E31100 AGGREGATE DRAINS	600.000	FT	\$15.48666	\$9,292.00
0140	611E01500 6" CONDUIT, TYPE F	3,620.000	FT	\$18.00000	\$65,160.00
0141	611E04400 12" CONDUIT, TYPE B	3,579.000	FT	\$100.00000	\$357,900.00
0142	611E04400 12" CONDUIT, TYPE B 706.08 & 706.12	5,431.000	FT	\$120.00000	\$651,720.00
0143	611E04400 12" CONDUIT, TYPE B 748.01	270.000	FT	\$250.00000	\$67,500.00
0144	611E04600 12" CONDUIT, TYPE C	5.000	FT	\$75.00000	\$375.00
0145	611E04600 12" CONDUIT, TYPE C 706.08 & 706.12	150.000	FT	\$90.00000	\$13,500.00
0146	611E04900 12" CONDUIT, TYPE D	46.000	FT	\$93.91062	\$4,319.89
0147	611E05900 15" CONDUIT, TYPE B	2,753.000	FT	\$94.01296	\$258,817.68
0148	611E05900 15" CONDUIT, TYPE B 706.08 & 706.12	1,182.000	FT	\$94.01296	\$111,123.32
0149	611E05901 15" CONDUIT, TYPE B, AS PER PLAN	934.000	FT	\$175.00000	\$163,450.00
0150	611E06100 15" CONDUIT, TYPE C	2,759.000	FT	\$80.00000	\$220,720.00

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0151	611E06100 15" CONDUIT, TYPE C 706.08 & 706.12	145.000	FT	\$100.00000	\$14,500.00
0152	611E06101 15" CONDUIT, TYPE C, AS PER PLAN	51.000	FT	\$155.00000	\$7,905.00
0153	611E06700 15" CONDUIT, TYPE F 707.05 TYPE C, 707.21, OR 707.33	134.000	FT	\$117.32878	\$15,722.06
0154	611E07400 18" CONDUIT, TYPE B	742.000	FT	\$140.00000	\$103,880.00
0155	611E07400 18" CONDUIT, TYPE B 707.35	19.000	FT	\$190.00000	\$3,610.00
0156	611E07600 18" CONDUIT, TYPE C	228.000	FT	\$120.00000	\$27,360.00
0157	611E08200 18" CONDUIT, TYPE F 707.05 TYPE C, 707.21, OR 707.33	138.000	FT	\$137.86355	\$19,025.17
0158	611E08900 21" CONDUIT, TYPE B	484.000	FT	\$124.40644	\$60,212.72
0159	611E10400 24" CONDUIT, TYPE B	736.000	FT	\$128.12518	\$94,300.13
0160	611E10400 24" CONDUIT, TYPE B 706.08 & 706.12	5.000	FT	\$128.12518	\$640.63
0161	611E10600 24" CONDUIT, TYPE C	257.000	FT	\$122.85210	\$31,572.99
0162	611E11900 27" CONDUIT, TYPE B	65.000	FT	\$162.77812	\$10,580.58
0163	611E13400 30" CONDUIT, TYPE B	147.000	FT	\$225.96436	\$33,216.76
0164	611E13600 30" CONDUIT, TYPE C	197.000	FT	\$157.92106	\$31,110.45
0165	611E25200 66" CONDUIT, TYPE B	90.000	FT	\$425.00000	\$38,250.00
0166	611E25200 66" CONDUIT, TYPE B 706.02 & 706.11	716.000	FT	\$425.00000	\$304,300.00
0167	611E25400 66" CONDUIT, TYPE C 706.02 & 706.11	246.000	FT	\$425.00000	\$104,550.00

Estimate:

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
<u>Description</u>					
<u>Supplemental Description</u>					
0168	611E52902 34" X 53" CONDUIT, TYPE B, 706.04	472.000	FT	\$400.00000	\$188,800.00
0169	611E96600 CONDUIT, BORED OR JACKED 15" TYPE B	90.000	FT	\$450.00000	\$40,500.00
0170	611E98150 CATCH BASIN, NO. 3	7.000	EACH	\$4,563.71524	\$31,946.01
0171	611E98151 CATCH BASIN, NO. 3, AS PER PLAN	33.000	EACH	\$4,600.00000	\$151,800.00
0172	611E98180 CATCH BASIN, NO. 3A	10.000	EACH	\$4,054.40708	\$40,544.07
0173	611E98181 CATCH BASIN, NO. 3A, AS PER PLAN	41.000	EACH	\$3,750.00000	\$153,750.00
0174	611E98370 CATCH BASIN, NO. 6	6.000	EACH	\$3,223.16434	\$19,338.99
0175	611E98371 CATCH BASIN, NO. 6, AS PER PLAN	3.000	EACH	\$3,750.00000	\$11,250.00
0176	611E98371 CATCH BASIN, NO. 6, AS PER PLAN 2	3.000	EACH	\$4,000.00000	\$12,000.00
0177	611E98371 CATCH BASIN, NO. 6, AS PER PLAN 3	1.000	EACH	\$4,500.00000	\$4,500.00
0178	611E98410 CATCH BASIN, NO. 8	8.000	EACH	\$4,800.50696	\$38,404.06
0179	611E98411 CATCH BASIN, NO. 8, AS PER PLAN 2	3.000	EACH	\$4,800.00000	\$14,400.00
0180	611E98450 CATCH BASIN, NO. 2-2A	1.000	EACH	\$2,524.11768	\$2,524.12
0181	611E98451 CATCH BASIN, NO. 2-2A, AS PER PLAN 2	1.000	EACH	\$3,000.00000	\$3,000.00
0182	611E98470 CATCH BASIN, NO. 2-2B	22.000	EACH	\$2,000.00000	\$44,000.00
0183	611E98471 CATCH BASIN, NO. 2-2B, AS PER PLAN	8.000	EACH	\$2,200.00000	\$17,600.00
0184	611E98471 CATCH BASIN, NO. 2-2B, AS PER PLAN 2	5.000	EACH	\$2,200.00000	\$11,000.00

Estimate:

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
<u>Description</u>					
<u>Supplemental Description</u>					
0185	611E98504 CATCH BASIN, NO. 2-2C	6.000	EACH	\$2,500.00000	\$15,000.00
0186	611E98511 CATCH BASIN, NO. 2-3, AS PER PLAN 2	2.000	EACH	\$4,500.00000	\$9,000.00
0187	611E98630 CATCH BASIN ADJUSTED TO GRADE	2.000	EACH	\$876.06027	\$1,752.12
0188	611E98634 CATCH BASIN RECONSTRUCTED TO GRADE	1.000	EACH	\$1,369.56564	\$1,369.57
0189	611E99100 INLET, NO. 3 FOR SINGLE SLOPE BARRIER, TYPE B1	8.000	EACH	\$10,000.00000	\$80,000.00
0190	611E99104 INLET, NO. 3 FOR SINGLE SLOPE BARRIER, TYPE C	1.000	EACH	\$11,000.00000	\$11,000.00
0191	611E99110 INLET, NO. 3 FOR SINGLE SLOPE BARRIER, TYPE C1	4.000	EACH	\$11,500.00000	\$46,000.00
0192	611E99111 INLET, NO. 3 FOR SINGLE SLOPE BARRIER, TYPE C1, AS PER PLAN	5.000	EACH	\$16,000.00000	\$80,000.00
0193	611E99114 INLET, NO. 3 FOR SINGLE SLOPE BARRIER, TYPE D	9.000	EACH	\$8,000.00000	\$72,000.00
0194	611E99115 INLET, NO. 3 FOR SINGLE SLOPE BARRIER, TYPE D, AS PER PLAN	3.000	EACH	\$8,300.00000	\$24,900.00
0195	611E99115 INLET, NO. 3 FOR SINGLE SLOPE BARRIER, TYPE D, AS PER PLAN 2	1.000	EACH	\$8,500.00000	\$8,500.00
0196	611E99574 MANHOLE, NO. 3	38.000	EACH	\$10,000.00000	\$380,000.00
0197	611E99575 MANHOLE, NO. 3, AS PER PLAN	30.000	EACH	\$11,000.00000	\$330,000.00
0198	611E99575 MANHOLE, NO. 3, AS PER PLAN 2	8.000	EACH	\$10,500.00000	\$84,000.00
0199	611E99575 MANHOLE, NO. 3, AS PER PLAN 3	5.000	EACH	\$11,000.00000	\$55,000.00
0200	611E99586 MANHOLE, NO. 3 WITH 108" BASE I.D. AND 12" WEIR	1.000	EACH	\$21,351.13541	\$21,351.14
0201	611E99654 MANHOLE ADJUSTED TO GRADE	93.000	EACH	\$967.54359	\$89,981.55

Estimate:

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
0202	611E99655 MANHOLE ADJUSTED TO GRADE, AS PER PLAN WATER MANHOLE	2.000	EACH	\$1,000.00000	\$2,000.00
0203	611E99660 MANHOLE RECONSTRUCTED TO GRADE	3.000	EACH	\$1,778.45072	\$5,335.35
0204	611E99661 MANHOLE RECONSTRUCTED TO GRADE, AS PER PLAN	2.000	EACH	\$2,000.00000	\$4,000.00
0205	611E99661 MANHOLE RECONSTRUCTED TO GRADE, AS PER PLAN 2	3.000	EACH	\$2,000.00000	\$6,000.00
0206	611E99700 SPECIAL - GAS VALVE BOX ADJUSTED TO GRADE	23.000	EACH	\$200.00000	\$4,600.00
0207	611E99710 PRECAST REINFORCED CONCRETE OUTLET	7.000	EACH	\$380.00929	\$2,660.07
0208	611E99820 SPECIAL - MISCELLANEOUS METAL	10,000.000	LB	\$2.00000	\$20,000.00
0209	611E99900 DRAINAGE STRUCTURE, MISC.: FLOW RESTRICTOR OUTLET	3.000	EACH	\$14,000.00000	\$42,000.00
0210	638E98600 WATER WORK, MISC.: 30" STEEL PIPE ENCASEMENT	702.000	FT	\$400.00000	\$280,800.00
0211	690E98900 SPECIAL - <b>DEWATERING</b>	5,000.000	GAL	\$9.00000	\$45,000.00
0212	839E29000 TRENCH DRAIN, TYPE A WITH STANDARD GRATE	501.000	FT	\$115.00000	\$57,615.00
0213	895E10040 MANUFACTURED WATER QUALITY STRUCTURE, TYPE 4	1.000	EACH	\$40,000.00000	\$40,000.00
0214	899E10000 CURED-IN-PLACE PIPE LINER NO. 6 EGG-SHAPED	459.000	FT	\$400.00000	\$183,600.00
0215	899E10000 CURED-IN-PLACE PIPE LINER NO. 7 EGG-SHAPED	656.000	FT	\$440.00000	\$288,640.00
0216	899E10000 CURED-IN-PLACE PIPE LINER NO. 10 EGG-SHAPED	413.000	FT	\$675.00000	\$278,775.00
0217	899E10000 CURED-IN-PLACE PIPE LINER NO. 11 EGG-SHAPED	270.000	FT	\$775.00000	\$209,250.00
0218	899E10000 CURED-IN-PLACE PIPE LINER NO. 12 EGG-SHAPED	595.000	FT	\$830.00000	\$493,850.00

Estimate:

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
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Description  
Supplemental Description

Total for Group 0004:\$7,733,095.23

### Group 0005: PAVEMENT

0219	251E01000	8,500.000	SY	\$40.50377	\$344,282.05
	PARTIAL DEPTH PAVEMENT REPAIR (441)				
0220	252E01500	1,000.000	FT	\$3.28043	\$3,280.43
	FULL DEPTH PAVEMENT SAWING				
0221	254E01000	136,538.000	SY	\$1.84451	\$251,845.71
	PAVEMENT PLANING, ASPHALT CONCRETE (1.5")				
0222	254E01000	35,080.000	SY	\$1.84451	\$64,705.41
	PAVEMENT PLANING, ASPHALT CONCRETE (3.25")				
0223	254E01600	8,500.000	SY	\$3.15713	\$26,835.61
	PATCHING PLANED SURFACE				
0224	255E10011	6,000.000	SY	\$150.00000	\$900,000.00
	FULL DEPTH PAVEMENT REMOVAL AND RIGID REPLACEMENT, CLASS QC1 , AS PER PLAN				
0225	302E56000	22,685.000	CY	\$137.28919	\$3,114,405.28
	ASPHALT CONCRETE BASE, PG64-22, (449)				
0226	304E20000	23,337.000	CY	\$63.40954	\$1,479,788.43
	AGGREGATE BASE				
0227	305E13010	8,566.000	SY	\$93.81603	\$803,628.11
	9" CONCRETE BASE, CLASS QC 1P				
0228	407E20000	37,378.000	GAL	\$2.71327	\$101,416.61
	NON-TRACKING TACK COAT				
0229	441E00100	1,768.000	CY	\$6.03939	\$10,677.64
	ANTI-SEGREGATION EQUIPMENT				
0230	441E10100	1,187.000	CY	\$229.27249	\$272,146.45
	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (446), PG70-22M				
0231	441E50000	3,825.000	CY	\$295.00000	\$1,128,375.00
	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22				
0232	441E50100	24.000	CY	\$195.00000	\$4,680.00
	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG70-22M				
0233	441E50201	76.000	CY	\$300.00000	\$22,800.00
	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (448), AS PER PLAN PG64-22				
0234	441E50300	1,663.000	CY	\$140.00000	\$232,820.00
	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448)				

Estimate:

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
<u>Description</u>					
<u>Supplemental Description</u>					
0235	441E70500	42.000	CY	\$447.67751	\$18,802.46
ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), (DRIVEWAYS)					
0236	441E70700	58.000	CY	\$356.56898	\$20,681.00
ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449), (DRIVEWAYS)					
0237	442E10000	3,929.000	CY	\$206.61391	\$811,786.05
ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446)					
0238	442E10100	5,422.000	CY	\$187.73166	\$1,017,881.06
ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446)					
0239	442E22101	64.000	CY	\$200.00000	\$12,800.00
ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (449), AS PER PLAN					
0240	451E15010	685.000	SY	\$150.00000	\$102,750.00
10" REINFORCED CONCRETE PAVEMENT, CLASS QC 1P					
0241	451E20000	676.000	SY	\$400.00000	\$270,400.00
REINFORCED CONCRETE PAVEMENT, MISC.: INTEGRALLY COLORED CONCRETE CROSSWALK					
0242	451E31000	61.000	FT	\$100.00000	\$6,100.00
SPECIAL - PRESSURE RELIEF JOINT, TYPE B					
0243	452E09010	337.000	SY	\$84.00000	\$28,308.00
4" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P					
0244	452E12010	1,040.000	SY	\$101.43797	\$105,495.49
8" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P					
0245	452E14010	16,260.000	SY	\$118.62682	\$1,928,872.09
10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P					
0246	452E19200	1,000.000	SY	\$20.00000	\$20,000.00
NON-REINFORCED CONCRETE PAVEMENT, MISC.: SURCHARGE FOR CLASS MS CONCRETE					
0247	609E14000	2,551.000	FT	\$11.50564	\$29,350.89
CURB, TYPE 2-A					
0248	609E24000	67.000	FT	\$17.44293	\$1,168.68
CURB, TYPE 4-A					
0249	609E24510	1,766.000	FT	\$24.78646	\$43,772.89
CURB, TYPE 4-C					
0250	609E26000	15,565.000	FT	\$17.24928	\$268,485.04
CURB, TYPE 6					
0251	609E33200	84.000	FT	\$28.00000	\$2,352.00
CURB, TYPE 10-B					



Estimate:

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
<u>Description</u>					
<u>Supplemental Description</u>					
0252	609E72000 CONCRETE MEDIAN	366.000	SY	\$92.92513	\$34,010.60
0253	618E40100 RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE)	1,230.000	FT	\$4.24366	\$5,219.70
0254	618E40600 RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE)	1.000	MILE	\$5,982.67847	\$5,982.68

Total for Group 0005:\$13,495,905.36

Group 0006: WATER WORK

0255	202E98200 REMOVAL MISC.: WATER MAIN REMOVED 24" AND UNDER	3,684.000	FT	\$22.00000	\$81,048.00
0256	202E98200 REMOVAL MISC.: WATER MAIN REMOVED OVER 24"	476.000	FT	\$40.00000	\$19,040.00
0257	638E06712 30" STEEL PIPE ENCASMENT, OPEN CUT	51.000	FT	\$350.00000	\$17,850.00
0258	638E10701 FIRE HYDRANT REMOVED AND DISPOSED OF, AS PER PLAN	15.000	EACH	\$1,312.50000	\$19,687.50
0259	638E10800 VALVE BOX ADJUSTED TO GRADE	49.000	EACH	\$530.00000	\$25,970.00
0260	638E11201 METER, SETTING, STOP AND CHAMBER, AS PER PLAN (CLEVELAND WATER)	1.000	EACH	\$6,250.00000	\$6,250.00
0261	638E20172 SPECIAL - 12" WATER MAIN DIP CLASS 52 BOLTLESS RESTRAINED JO INTS AND FITTINGS (CLEVELAND WATER)	909.000	FT	\$522.57000	\$475,016.13
0262	638E20174 SPECIAL - 12" WATER MAIN DIP CLASS 52 PUSH ON JOINTS AND FIT TINGS (CLEVELAND WATER)	427.000	FT	\$385.57000	\$164,638.39
0263	638E20292 SPECIAL - 24" WATER MAIN DIP CLASS 52 BOLTLESS RESTRAINED JO INTS AND FITTINGS (CLEVELAND WATER)	289.000	FT	\$952.62000	\$275,307.18
0264	638E20294 SPECIAL - 24" WATER MAIN DIP CLASS 52 PUSH ON JOINTS AND FIT TINGS (CLEVELAND WATER)	252.000	FT	\$804.18000	\$202,653.36
0265	638E20336 SPECIAL - 30" WATER MAIN DIP CLASS 52 BOLTLESS RESTRAINED JO INTS AND FITTINGS (CLEVELAND WATER)	291.000	FT	\$891.31000	\$259,371.21
0266	638E20338 SPECIAL - 30" WATER MAIN DIP CLASS 52 PUSH ON JOINTS AND FIT TINGS (CLEVELAND WATER)	1,225.000	FT	\$702.98000	\$861,150.50
0267	638E20436 SPECIAL - 24" GALVANIZED STEEL PIPE (CLEVELAND WATER)	354.000	FT	\$300.00000	\$106,200.00

Estimate:

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
0268	638E20480	40.000	FT	\$2,400.00000	\$96,000.00
	SPECIAL - 48" STEEL PIPE ENCASUREMENT, BORED OR JACKED (CLEVELAND WATER)				
0269	638E20580	2.000	EACH	\$4,846.94000	\$9,693.88
	SPECIAL - 10" CUTTING IN SLEEVE (CLEVELAND WATER)				
0270	638E20586	5.000	EACH	\$4,419.87000	\$22,099.35
	SPECIAL - 12" GATE VALVE WITH VALVE BOX (CLEVELAND WATER)				
0271	638E20596	4.000	EACH	\$4,846.94000	\$19,387.76
	SPECIAL - 12" CUTTING IN SLEEVE (CLEVELAND WATER)				
0272	638E20598	3.000	EACH	\$5,881.93000	\$17,645.79
	SPECIAL - 12" CUTTING IN SLEEVE, VALVE WITH VALVE BOX (CLEVELAND WATER)				
0273	638E20746	3.000	EACH	\$2,412.30000	\$7,236.90
	SPECIAL - 2" AIR RELEASE VALVE WITH VALVE BOX (CLEVELAND WATER)				
0274	638E20750	14.000	EACH	\$7,548.60000	\$105,680.40
	SPECIAL - 6" FIRE HYDRANT COMPLETE (CLEVELAND WATER)				
0275	638E20762	1.000	EACH	\$2,276.11000	\$2,276.11
	SPECIAL - FIRE HYDRANT SERVICE LINE EXTENDED AND ADJUSTED TO GRADE (CLEVELAND WATER)				
0276	638E20770	177.000	FT	\$143.49000	\$25,397.73
	SPECIAL - 1" COPPER WATER SERVICE LINE (CLEVELAND WATER)				
0277	638E20794	587.000	FT	\$15.00000	\$8,805.00
	SPECIAL - REMOVE WATER SERVICE CONNECTION (CLEVELAND WATER)				
0278	638E20842	10.000	FT	\$150.00000	\$1,500.00
	SPECIAL - EXTEND 1 1/2" COPPER WATER SERVICE CONNECTION (CLEVELAND WATER)				
0279	638E20844	31.000	FT	\$2,000.00000	\$62,000.00
	SPECIAL - INSTALL 1 1/2" COPPER WATER SERVICE CONNECTION (CLEVELAND WATER)				
0280	638E20894	4.000	EACH	\$697.70000	\$2,790.80
	SPECIAL - 1" CORPORATION STOP (CLEVELAND WATER)				
0281	638E20896	2.000	EACH	\$1,050.00000	\$2,100.00
	SPECIAL - 1 1/2" CORPORATION STOP (CLEVELAND WATER)				
0282	638E21002	1.000	EACH	\$6,250.00000	\$6,250.00
	SPECIAL - INSTALL 1" METER SETTING, COMPLETE (CLEVELAND WATER)				
0283	638E98000	3.000	EACH	\$2,744.90000	\$8,234.70
	WATER WORK, MISC.: 12" EXPANSION VALVE (BRIDGE)				
0284	638E98000	2.000	EACH	\$20,587.00000	\$41,174.00
	WATER WORK, MISC.: 24" EXPANSION VALVE (BRIDGE)				

Estimate:

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
0285	638E98000	3.000	EACH	\$20,587.00000	\$61,761.00
	WATER WORK, MISC.: 24" VALVE ASSEMBLY COMPLETE (CLEVELAND WATER)				
0286	638E98000	2.000	EACH	\$25,733.00000	\$51,466.00
	WATER WORK, MISC.: 30" VALVE ASSEMBLY COMPLETE (CLEVELAND WATER)				
0287	638E98000	3.000	EACH	\$1,000.00000	\$3,000.00
	WATER WORK, MISC.: CONCRETE PIER				
0288	638E98000	2.000	EACH	\$1,135.00000	\$2,270.00
	WATER WORK, MISC.: SLEEVE FOR ABUTMENT WALL - 12" DIP LINE (CLEVELAND WATER)				
0289	638E98000	2.000	EACH	\$2,243.75000	\$4,487.50
	WATER WORK, MISC.: SLEEVE FOR ABUTMENT WALL - 24" STEEL LINE (CLEVELAND WATER)				
0290	638E98000	1.000	EACH	\$9,693.88000	\$9,693.88
	WATER WORK, MISC.: 30" CUTTING IN SLEEVE (CLEVELAND WATER)				
0291	638E98000	2.000	EACH	\$5,000.00000	\$10,000.00
	WATER WORK, MISC.: STEEL TO DIP TRANSITION (CLEVELAND WATER)				
0292	638E98600	507.000	FT	\$168.50000	\$85,429.50
	WATER WORK, MISC.: 12" INSULATION FOR BRIDGE (CLEVELAND WATER)				
0293	638E98600	354.000	FT	\$183.00000	\$64,782.00
	WATER WORK, MISC.: 24" INSULATION FOR BRIDGE (CLEVELAND WATER)				

Total for Group 0006:\$3,245,344.57

## Group 0007: LIGHTING

0294	202E75704	2.000	EACH	\$700.00000	\$1,400.00
	REMOVAL OF EXISTING CONTROL CENTER AND FOUNDATION				
0295	202E75800	2.000	EACH	\$300.00000	\$600.00
	DISCONNECT EXISTING CIRCUIT				
0296	625E00450	166.000	EACH	\$110.00000	\$18,260.00
	CONNECTION, FUSED PULL APART				
0297	625E00460	77.000	EACH	\$110.00000	\$8,470.00
	CONNECTION, UNFUSED PULL APART				
0298	625E00470	15.000	EACH	\$110.00000	\$1,650.00
	CONNECTION, UNFUSED BOLTED				
0299	625E00480	207.000	EACH	\$110.00000	\$22,770.00
	CONNECTION, UNFUSED PERMANENT				
0300	625E10494	4.000	EACH	\$4,000.00000	\$16,000.00
	LIGHT POLE, LOW MAST ALM50				

Estimate:

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
<u>Description</u>					
<u>Supplemental Description</u>					
0301	625E10494	2.000	EACH	\$3,573.01624	\$7,146.03
LIGHT POLE, LOW MAST ATLM50					
0302	625E10500	44.000	EACH	\$3,120.00000	\$137,280.00
LIGHT POLE, MISC.: 15' ROUND TAPERED FIBERGLASS STREETLIGHT					
0303	625E10500	33.000	EACH	\$5,200.00000	\$171,600.00
LIGHT POLE, MISC.: 30' ROUND TAPERED FIBERGLASS STREETLIGHT					
0304	625E10614	32.000	EACH	\$136.63491	\$4,372.32
LIGHT POLE ANCHOR BOLTS ON STRUCTURE					
0305	625E11000	1.000	EACH	\$31,200.00000	\$31,200.00
LIGHT TOWER, BB80					
0306	625E11200	2.000	EACH	\$24,500.00000	\$49,000.00
LIGHT TOWER, BB100					
0307	625E11300	1.000	EACH	\$32,000.00000	\$32,000.00
LIGHT TOWER, BB110					
0308	625E12000	2.000	EACH	\$31,200.00000	\$62,400.00
LIGHT TOWER, BBB80					
0309	625E12200	8.000	EACH	\$25,500.00000	\$204,000.00
LIGHT TOWER, BBB100					
0310	625E12400	1.000	EACH	\$33,500.00000	\$33,500.00
LIGHT TOWER, BBB120					
0311	625E12410	2.000	EACH	\$26,900.00000	\$53,800.00
LIGHT TOWER, BBB130					
0312	625E13100	1.000	EACH	\$19,000.00000	\$19,000.00
LIGHT TOWER, BBBB90					
0313	625E13200	2.000	EACH	\$21,210.00000	\$42,420.00
LIGHT TOWER, BBBB100					
0314	625E13500	1.000	EACH	\$100.00000	\$100.00
LIGHT TOWER, MISC.: TOWER LIGHTING RING WITH 4 LUMINAIRE MOUNTS					
0315	625E14000	58.000	EACH	\$1,700.00000	\$98,600.00
LIGHT POLE FOUNDATION, 24" X 6' DEEP					
0316	625E14200	2.000	EACH	\$2,000.00000	\$4,000.00
LIGHT POLE FOUNDATION, 24" X 10' DEEP					
0317	625E14307	4.000	EACH	\$7,500.00000	\$30,000.00
MEDIAN LIGHT POLE FOUNDATION, 10' DEEP, AS PER PLAN					

Estimate:

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
<u>Description</u>					
<u>Supplemental Description</u>					
0318	625E15000	2.000	EACH	\$8,000.00000	\$16,000.00
LIGHT TOWER FOUNDATION, 36" X 15' DEEP					
0319	625E15100	10.000	EACH	\$9,604.71992	\$96,047.20
LIGHT TOWER FOUNDATION, 36" X 20' DEEP					
0320	625E15200	4.000	EACH	\$10,346.72017	\$41,386.88
LIGHT TOWER FOUNDATION, 36" X 25' DEEP					
0321	625E15400	1.000	EACH	\$16,000.00000	\$16,000.00
LIGHT TOWER FOUNDATION, 42" X 25' DEEP					
0322	625E15700	1.000	EACH	\$14,000.00000	\$14,000.00
LIGHT TOWER FOUNDATION, MISC.: 42" X 20' DEEP					
0323	625E15700	2.000	EACH	\$22,000.00000	\$44,000.00
LIGHT TOWER FOUNDATION, MISC.: 48" X 25' DEEP					
0324	625E23200	46,931.000	FT	\$3.00000	\$140,793.00
NO. 4 AWG 2400 VOLT DISTRIBUTION CABLE					
0325	625E23304	49,071.000	FT	\$2.31329	\$113,515.45
NO. 8 AWG 600 VOLT DISTRIBUTION CABLE					
0326	625E23308	159.000	FT	\$7.00000	\$1,113.00
DISTRIBUTION CABLE, MISC.: NO. 4/0 AWG 2400 VOLT DISTRIBUTION CABLE					
0327	625E23400	6,960.000	FT	\$1.50000	\$10,440.00
NO. 10 AWG POLE AND BRACKET CABLE					
0328	625E23410	4,950.000	FT	\$1.75000	\$8,662.50
NO. 12 AWG POLE AND BRACKET CABLE					
0329	625E24320	7,444.000	FT	\$8.90664	\$66,301.03
1-1/2" DUCT CABLE WITH THREE NO. 4 AWG 2400 VOLT CABLES					
0330	625E25012	1,796.000	FT	\$7.75000	\$13,919.00
CONDUIT, 3/4", 725.051					
0331	625E25300	2,427.000	FT	\$15.00000	\$36,405.00
CONDUIT, 1-1/2", 725.04					
0332	625E25404	116.000	FT	\$40.00000	\$4,640.00
CONDUIT, 2-1/2", 725.04					
0333	625E25408	8,541.000	FT	\$7.87012	\$67,218.69
CONDUIT, 2", 725.051					
0334	625E25504	712.000	FT	\$12.30659	\$8,762.29
CONDUIT, 3", 725.051					

Estimate:

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
0335	625E25802 CONDUIT, CONCRETE ENCASED 2", 725.051	43.000	FT	\$22.77430	\$979.29
0336	625E25803 CONDUIT, CONCRETE ENCASED, AS PER PLAN (2-2" CONDUIT, 725.051)	132.000	FT	\$34.00000	\$4,488.00
0337	625E25803 CONDUIT, CONCRETE ENCASED, AS PER PLAN (4-2" CONDUIT, 725.051)	1,974.000	FT	\$34.00000	\$67,116.00
0338	625E25902 CONDUIT, JACKED OR DRILLED, 725.04 3"	3,876.000	FT	\$50.00000	\$193,800.00
0339	625E26251 LUMINAIRE, CONVENTIONAL, AS PER PLAN (CPP LED COBRA HEAD)	63.000	EACH	\$1,560.00000	\$98,280.00
0340	625E26263 LUMINAIRE, HIGH MAST, SOLID STATE (LED), AS PER PLAN (480V)	63.000	EACH	\$1,200.00000	\$75,600.00
0341	625E26273 LUMINAIRE, LOW MAST, SOLID STATE (LED), AS PER PLAN (480V)	6.000	EACH	\$1,200.00000	\$7,200.00
0342	625E27501 LUMINAIRE, UNDERPASS, AS PER PLAN (CPP LED WALLPACK)	17.000	EACH	\$850.00000	\$14,450.00
0343	625E27503 LUMINAIRE, UNDERPASS, SOLID STATE (LED), AS PER PLAN (480V)	23.000	EACH	\$850.00000	\$19,550.00
0344	625E27503 LUMINAIRE, UNDERPASS, SOLID STATE (LED), AS PER PLAN (480V, CROSS FRAME MOUNTED)	1.000	EACH	\$850.00000	\$850.00
0345	625E27551 LUMINAIRE, DECORATIVE, AS PER PLAN (15' POLES)	51.000	EACH	\$1,560.00000	\$79,560.00
0346	625E27551 LUMINAIRE, DECORATIVE, AS PER PLAN (30' POLES)	33.000	EACH	\$1,560.00000	\$51,480.00
0347	625E29000 TRENCH	10,681.000	FT	\$10.00000	\$106,810.00
0348	625E29900 JUNCTION BOX	8.000	EACH	\$2,000.00000	\$16,000.00
0349	625E29930 MEDIAN JUNCTION BOX	4.000	EACH	\$2,800.00000	\$11,200.00
0350	625E30700 PULL BOX, 725.08, 18"	26.000	EACH	\$975.00000	\$25,350.00
0351	625E30706 PULL BOX, 725.08, 24"	12.000	EACH	\$1,150.00000	\$13,800.00

Estimate:

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
0352	625E30731 PULL BOX, 725.08, 48", TYPE 1, AS PER PLAN	4.000	EACH	\$4,000.00000	\$16,000.00
0353	625E31510 PULL BOX REMOVED	10.000	EACH	\$260.00000	\$2,600.00
0354	625E31511 PULL BOX REMOVED, AS PER PLAN	17.000	EACH	\$350.00000	\$5,950.00
0355	625E31600 PULL BOX, MISC.: 6" X 6" PULL BOX	13.000	EACH	\$50.00000	\$650.00
0356	625E31600 PULL BOX, MISC.: 13" X 24" PULL BOX	87.000	EACH	\$1,248.00000	\$108,576.00
0357	625E31600 PULL BOX, MISC.: 18" PULL BOX ADJUSTED TO GRADE	1.000	EACH	\$1,000.00000	\$1,000.00
0358	625E32000 GROUND ROD	159.000	EACH	\$300.00000	\$47,700.00
0359	625E33000 STRUCTURE GROUNDING SYSTEM	6.000	EACH	\$8,421.41011	\$50,528.46
0360	625E34001 POWER SERVICE, AS PER PLAN	5.000	EACH	\$5,000.00000	\$25,000.00
0361	625E34450 CONTROL CENTER CABINET, COMPLETE	2.000	EACH	\$5,750.00000	\$11,500.00
0362	625E34451 CONTROL CENTER CABINET, COMPLETE, AS PER PLAN	1.000	EACH	\$5,750.00000	\$5,750.00
0363	625E36010 UNDERGROUND WARNING/MARKING TAPE	10,681.000	FT	\$1.10143	\$11,764.37
0364	625E37101 SERVICE TO UNDERPASS LIGHTING, AS PER PLAN	18.000	EACH	\$8,500.00000	\$153,000.00
0365	625E40000 SPECIAL - MAINTAIN EXISTING LIGHTING	1.000	LS	\$60,000.00000	\$60,000.00
0366	625E40010 SPECIAL - REPLACEMENT OF EXISTING LIGHTING UNIT	20.000	EACH	\$2,000.00000	\$40,000.00
0367	625E75350 LIGHT TOWER REMOVED	21.000	EACH	\$1,900.00000	\$39,900.00
0368	625E75400 LIGHT POLE REMOVED	96.000	EACH	\$375.00000	\$36,000.00

Estimate:

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
<u>Description</u>					
<u>Supplemental Description</u>					
0369	625E75500	20.000	EACH	\$312.88353	\$6,257.67
LIGHT POLE FOUNDATION REMOVED					
0370	625E75506	10.000	EACH	\$92.01859	\$920.19
LUMINAIRE REMOVED					
0371	625E75510	2.000	EACH	\$700.00000	\$1,400.00
POWER SERVICE REMOVED					
0372	625E75540	21.000	EACH	\$750.00000	\$15,750.00
LIGHT TOWER FOUNDATION REMOVED					
0373	625E75801	10.000	EACH	\$300.00000	\$3,000.00
DISCONNECT CIRCUIT, AS PER PLAN					
0374	625E98000	1.000	EACH	\$5,000.00000	\$5,000.00
LIGHTING, MISC.: RELOCATE EX. CONTROL CENTER					
0375	625E98000	26.000	EACH	\$1,200.00000	\$31,200.00
LIGHTING, MISC.: TEST NEW CIRCUIT					
0376	632E69300	1,503.000	FT	\$7.62296	\$11,457.31
POWER CABLE, 3 CONDUCTOR, NO. 4 AWG					
0377	632E89300	53.000	EACH	\$1,600.00000	\$84,800.00
WOOD POLE					

Total for Group 0007:\$3,310,989.68

### Group 0008: ELECTRICAL

0378	625E23308	13,704.000	FT	\$476.00000	\$6,523,104.00
DISTRIBUTION CABLE, MISC.: 500MCM 15KV CU WITH 350MCM 600V NEUTRAL					
0379	625E23308	5,311.000	FT	\$109.00000	\$578,899.00
DISTRIBUTION CABLE, MISC.: 556MCM 15KV CU SPACER CABLE WITH 052 AWA MESSENGER					
0380	625E25721	8,004.000	FT	\$74.60000	\$597,098.40
CONDUIT, AS PER PLAN 5", 725.04					
0381	625E25803	272.000	FT	\$118.44000	\$32,215.68
CONDUIT, CONCRETE ENCASED, AS PER PLAN (2-5" CONDUIT, 725.051)					
0382	625E25803	368.000	FT	\$264.00000	\$97,152.00
CONDUIT, CONCRETE ENCASED, AS PER PLAN (5-5" CONDUIT, 725.051)					
0383	625E25803	391.000	FT	\$360.00000	\$140,760.00
CONDUIT, CONCRETE ENCASED, AS PER PLAN (7-5" CONDUIT, 725.051)					
0384	625E25803	341.000	FT	\$456.00000	\$155,496.00
CONDUIT, CONCRETE ENCASED, AS PER PLAN (9-5" CONDUIT, 725.051)					



Estimate:

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
<u>Description</u>					
<u>Supplemental Description</u>					
0385	625E25803	311.000	FT	\$547.00000	\$170,117.00
CONDUIT, CONCRETE ENCASED, AS PER PLAN (12-5" CONDUIT, 725.051)					
0386	625E25911	8,325.000	FT	\$12.45000	\$103,646.25
CONDUIT CLEANED AND CABLES REMOVED, AS PER PLAN					
0387	625E32001	30.000	EACH	\$881.00000	\$26,430.00
GROUND ROD, AS PER PLAN					
0388	625E98000	196.000	EACH	\$875.00000	\$171,500.00
LIGHTING, MISC.: 15KV IN-LINE SPLICE					
0389	625E98000	12.000	EACH	\$495.00000	\$5,940.00
LIGHTING, MISC.: 24" SPACER CABLE TANGENT BRACKET					
0390	625E98000	1.000	EACH	\$2,826.00000	\$2,826.00
LIGHTING, MISC.: DEAD-END ASSEMBLY					
0391	625E98000	1.000	EACH	\$3,125.00000	\$3,125.00
LIGHTING, MISC.: DOUBLE DEAD-END ASSEMBLY					
0392	625E98000	4.000	EACH	\$3,500.00000	\$14,000.00
LIGHTING, MISC.: JOINT-USE CONDUIT RISER					
0393	625E98000	18.000	EACH	\$650.00000	\$11,700.00
LIGHTING, MISC.: JOINT-USE MESSENGER ASSEMBLY					
0394	625E98000	24.000	EACH	\$8,500.00000	\$204,000.00
LIGHTING, MISC.: PRIMARY CONDUIT RISER					
0395	625E98000	24.000	EACH	\$4,370.00000	\$104,880.00
LIGHTING, MISC.: SPACER CABLE DEADEND ASSEMBLY					
0396	625E98000	26.000	EACH	\$4,400.00000	\$114,400.00
LIGHTING, MISC.: SPACER CABLE TO SPACER CABLE DOUBLE DEADEND ASSEMBLY					
0397	625E98000	1.000	EACH	\$6,030.00000	\$6,030.00
LIGHTING, MISC.: TWO-WAY BUCK					
0398	632E69350	1,538.000	FT	\$18.25000	\$28,068.50
POWER CABLE, MISC.: #2/0 AWG CU 15KV OPEN WIRE					
0399	632E89300	1.000	EACH	\$9,750.00000	\$9,750.00
WOOD POLE (40' CLASS III)					
0400	632E89300	1.000	EACH	\$10,250.00000	\$10,250.00
WOOD POLE (45' CLASS III)					
0401	632E89300	17.000	EACH	\$11,178.00000	\$190,026.00
WOOD POLE (50' CLASS III)					

Estimate:

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
0402	632E89300 WOOD POLE (55' CLASS II)	4.000	EACH	\$15,950.00000	\$63,800.00
0403	632E89300 WOOD POLE (55' CLASS III)	3.000	EACH	\$14,740.00000	\$44,220.00
0404	632E89300 WOOD POLE (70' CLASS H3)	2.000	EACH	\$37,850.00000	\$75,700.00
0405	632E89300 WOOD POLE (80' CLASS H6)	2.000	EACH	\$45,680.00000	\$91,360.00
0406	632E89401 DOWN GUY, AS PER PLAN	59.000	EACH	\$2,984.00000	\$176,056.00

Total for Group 0008:\$9,752,549.83

## Group 0009: TRAFFIC SURVEILLANCE

0407	625E00480 CONNECTION, UNFUSED PERMANENT	9.000	EACH	\$110.00000	\$990.00
0408	625E25400 CONDUIT, 2", 725.04	574.000	FT	\$21.21555	\$12,177.73
0409	625E25410 CONDUIT, 2", 725.052	8,108.000	FT	\$8.86000	\$71,836.88
0410	625E25500 CONDUIT, 3", 725.04	32.000	FT	\$41.17415	\$1,317.57
0411	625E25600 CONDUIT, 4", 725.04	80.000	FT	\$54.02707	\$4,322.17
0412	625E25908 CONDUIT, JACKED OR DRILLED, 725.052 2"	984.000	FT	\$48.68390	\$47,904.96
0413	625E29000 TRENCH	1,582.000	FT	\$10.00000	\$15,820.00
0414	625E30700 PULL BOX, 725.08, 18"	6.000	EACH	\$975.00000	\$5,850.00
0415	625E32000 GROUND ROD	7.000	EACH	\$300.00000	\$2,100.00
0416	625E36010 UNDERGROUND WARNING/MARKING TAPE	1,582.000	FT	\$1.10143	\$1,742.46
0417	632E64020 PEDESTAL FOUNDATION	4.000	EACH	\$935.23483	\$3,740.94

Estimate:

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
<u>Description</u>					
<u>Supplemental Description</u>					
0418	632E68300	1,025.000	FT	\$5.09494	\$5,222.31
POWER CABLE, 3 CONDUCTOR, NO. 6 AWG					
0419	632E69300	500.000	FT	\$7.62296	\$3,811.48
POWER CABLE, 3 CONDUCTOR, NO. 4 AWG					
0420	632E70001	1.000	EACH	\$3,500.00000	\$3,500.00
POWER SERVICE, AS PER PLAN 3					
0421	632E90008	4.000	EACH	\$1,081.90073	\$4,327.60
PEDESTAL, 15', TRANSFORMER BASE					
0422	633E67100	2.000	EACH	\$2,463.74328	\$4,927.49
CABINET FOUNDATION					
0423	633E67201	1.000	EACH	\$5,000.00000	\$5,000.00
CONTROLLER WORK PAD, AS PER PLAN					
0424	809E65990	8.000	EACH	\$1,000.00000	\$8,000.00
ITS DEVICE, MISC.: ITS JUNCTION BOX, 17x24x6 INCHES					
0425	809E65990	9.000	EACH	\$3,000.00000	\$27,000.00
ITS DEVICE, MISC.: 32" ITS PULL BOX WITH PAD AND STANDARD LID ASSEMBLY					
0426	809E23100	12,128.000	FT	\$1.00000	\$12,128.00
MICRO-DUCT INNERDUCT, 14/10					
0427	809E60060	2.000	EACH	\$3,500.00000	\$7,000.00
CCTV IP-CAMERA SYSTEM, FIXED-VIEW					
0428	809E64550	100.000	FT	\$2.27953	\$227.95
ETHERNET CABLE, OUTDOOR-RATED					
0429	809E65000	2.000	EACH	\$10,500.00000	\$21,000.00
ITS CABINET - GROUND MOUNTED					
0430	809E65990	1.000	EACH	\$3,400.00000	\$3,400.00
ITS DEVICE, MISC.: RELOCATE EXISTING CCTV IP-CAMERA SYSTEM AND LOWERING UNIT					
0431	809E65990	1.000	EACH	\$7,500.00000	\$7,500.00
ITS DEVICE, MISC.: RELOCATE EXISTING CCTV STEEL POLE					
0432	809E65990	4.000	EACH	\$250.00000	\$1,000.00
ITS DEVICE, MISC.: REMOVAL OF EXISTING POLE-MOUNTED ITS CABINET					
0433	809E70000	1.000	LS	\$2,500.00000	\$2,500.00
MAINTAINING ITS DURING CONSTRUCTION					

Total for Group 0009:\$284,347.54

Group 0010: TRAFFIC SURVEILLANCE ALTERNATES

Estimate:

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
0434	809E69130	2.000	EACH	\$38,280.00000	\$76,560.00
	WRONG WAY DETECTION SYSTEM (GENERIC) (ALTERNATE 1)				
0435	809E69130	2.000	EACH	\$0.00000	\$0.00
	WRONG WAY DETECTION SYSTEM (TRAFFICALM) (ALTERNATE 2)				

Total for Group 0010:\$76,560.00

### Group 0011: TRAFFIC CONTROL

0436	620E00500	44.000	EACH	\$70.30960	\$3,093.62
	DELINEATOR, POST GROUND MOUNTED				
0437	621E00100	946.000	EACH	\$27.30386	\$25,829.45
	RPM				
0438	625E32000	32.000	EACH	\$295.52339	\$9,456.75
	GROUND ROD 0				
0439	626E00102	38.000	EACH	\$11.29118	\$429.06
	BARRIER REFLECTOR, TYPE 1 (BI-DIRECTIONAL)				
0440	626E00102	166.000	EACH	\$11.29118	\$1,874.34
	BARRIER REFLECTOR, TYPE 1 (ONE-WAY)				
0441	626E00110	14.000	EACH	\$10.33777	\$144.73
	BARRIER REFLECTOR, TYPE 2 (BI-DIRECTIONAL)				
0442	626E00110	97.000	EACH	\$10.33777	\$1,002.76
	BARRIER REFLECTOR, TYPE 2 (ONE-WAY)				
0443	630E02100	2,173.300	FT	\$9.05541	\$19,680.12
	GROUND MOUNTED SUPPORT, NO. 2 POST				
0444	630E03100	1,595.500	FT	\$11.53778	\$18,408.53
	GROUND MOUNTED SUPPORT, NO. 3 POST				
0445	630E04101	451.900	FT	\$20.00000	\$9,038.00
	GROUND MOUNTED SUPPORT, NO. 4 POST, AS PER PLAN				
0446	630E06400	386.400	FT	\$27.58015	\$10,656.97
	GROUND MOUNTED STRUCTURAL BEAM SUPPORT, S4X7.7				
0447	630E06500	71.200	FT	\$31.42088	\$2,237.17
	GROUND MOUNTED STRUCTURAL BEAM SUPPORT, W6X9				
0448	630E07000	40.000	FT	\$47.55934	\$1,902.37
	GROUND MOUNTED STRUCTURAL BEAM SUPPORT, W8X18				
0449	630E07500	99.400	FT	\$51.94694	\$5,163.53
	GROUND MOUNTED STRUCTURAL BEAM SUPPORT, W10X22				

Estimate:

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
<u>Description</u>					
<u>Supplemental Description</u>					
0450	630E07600	174.200	FT	\$35.12282	\$6,118.40
GROUND MOUNTED STRUCTURAL BEAM SUPPORT, W10X12					
0451	630E08002	1.000	FT	\$15.00000	\$15.00
ONE WAY SUPPORT, NO. 2 POST					
0452	630E08004	12.500	FT	\$18.27026	\$228.38
ONE WAY SUPPORT, NO. 3 POST					
0453	630E08100	19.500	FT	\$17.00000	\$331.50
ONE WAY SUPPORT, NO. 4 POST					
0454	630E08600	197.000	EACH	\$47.45082	\$9,347.81
SIGN POST REFLECTOR					
0455	630E09000	2.000	EACH	\$515.34685	\$1,030.69
BREAKAWAY STRUCTURAL BEAM CONNECTION					
0456	630E72340	3.000	EACH	\$38,831.61241	\$116,494.84
OVERHEAD SIGN SUPPORT, TYPE TC-12.31, DESIGN 12					
0457	630E72410	6.000	EACH	\$66,458.59160	\$398,751.55
OVERHEAD SIGN SUPPORT, TYPE TC-15.116, DESIGN 1					
0458	630E72420	6.000	EACH	\$97,022.92170	\$582,137.53
OVERHEAD SIGN SUPPORT, TYPE TC-15.116, DESIGN 2					
0459	630E72550	1.000	EACH	\$24,000.00000	\$24,000.00
OVERHEAD SIGN SUPPORT, TYPE TC-16.22, DESIGN 13					
0460	630E75000	110.000	EACH	\$654.32655	\$71,975.92
SIGN ATTACHMENT ASSEMBLY					
0461	630E79100	2.000	EACH	\$395.85517	\$791.71
SIGN HANGER ASSEMBLY, MAST ARM					
0462	630E79500	108.000	EACH	\$84.13526	\$9,086.61
SIGN SUPPORT ASSEMBLY, POLE MOUNTED					
0463	630E80100	3,911.700	SF	\$14.62427	\$57,205.76
SIGN, FLAT SHEET					
0464	630E80200	819.500	SF	\$21.54123	\$17,653.04
SIGN, GROUND MOUNTED EXTRUSHEET					
0465	630E80224	8,969.500	SF	\$20.89615	\$187,428.02
SIGN, OVERHEAD EXTRUSHEET					
0466	630E80300	781.300	SF	\$19.03222	\$14,869.87
SIGN, TEMPORARY OVERLAY					

Estimate:

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
<u>Description</u>					
<u>Supplemental Description</u>					
0467	630E80501	6.000	EACH	\$250.00000	\$1,500.00
SIGN, DOUBLE FACED, STREET NAME, AS PER PLAN					
0468	630E84010	2.000	EACH	\$11,188.11616	\$22,376.23
CONCRETE BARRIER MEDIAN OVERHEAD SIGN SUPPORT FOUNDATION, TY PE TC-21.50					
0469	630E84500	6.000	EACH	\$1,047.40358	\$6,284.42
GROUND MOUNTED STRUCTURAL BEAM SUPPORT FOUNDATION					
0470	630E84510	30.000	EACH	\$9,362.52236	\$280,875.67
RIGID OVERHEAD SIGN SUPPORT FOUNDATION					
0471	630E84900	230.000	EACH	\$16.64915	\$3,829.30
REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL					
0472	630E85000	5.000	EACH	\$30.17146	\$150.86
REMOVAL OF GROUND MOUNTED SIGN AND STORAGE					
0473	630E85100	2.000	EACH	\$95.84926	\$191.70
REMOVAL OF GROUND MOUNTED SIGN AND REERECTION					
0474	630E85400	14.000	EACH	\$171.75864	\$2,404.62
REMOVAL OF GROUND MOUNTED MAJOR SIGN AND DISPOSAL					
0475	630E86002	198.000	EACH	\$23.38342	\$4,629.92
REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL					
0476	630E86010	2.000	EACH	\$167.70423	\$335.41
REMOVAL OF GROUND MOUNTED POST SUPPORT AND REERECTION					
0477	630E86102	30.000	EACH	\$313.64864	\$9,409.46
REMOVAL OF GROUND MOUNTED STRUCTURAL BEAM SUPPORT AND DISPOSAL					
0478	630E86270	1.000	EACH	\$500.00000	\$500.00
REMOVAL OF GROUND MOUNTED PIPE SUPPORT AND STORAGE					
0479	630E87000	5.000	EACH	\$200.00000	\$1,000.00
REMOVAL OF OVERHEAD MOUNTED SIGN AND STORAGE					
0480	630E87100	5.000	EACH	\$558.82676	\$2,794.13
REMOVAL OF OVERHEAD MOUNTED SIGN AND REERECTION					
0481	630E87400	89.000	EACH	\$235.41571	\$20,952.00
REMOVAL OF OVERHEAD MOUNTED SIGN AND DISPOSAL					
0482	630E87500	248.000	EACH	\$19.20028	\$4,761.67
REMOVAL OF POLE MOUNTED SIGN AND DISPOSAL					
0483	630E87510	1.000	EACH	\$24.93200	\$24.93
REMOVAL OF POLE MOUNTED SIGN AND STORAGE					

Estimate:

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
<u>Description</u>					
<u>Supplemental Description</u>					
0484	630E87520	3.000	EACH	\$138.63940	\$415.92
REMOVAL OF POLE MOUNTED SIGN AND REERECTION					
0485	630E89702	18.000	EACH	\$1,780.21660	\$32,043.90
REMOVAL OF OVERHEAD SIGN SUPPORT AND DISPOSAL					
0486	630E89804	1.000	EACH	\$5,000.00000	\$5,000.00
REMOVAL OF OVERHEAD SIGN SUPPORT AND DISPOSAL, TYPE TC-15.11 5					
0487	630E89894	33.000	EACH	\$380.00000	\$12,540.00
REMOVAL OF TEMPORARY OVERLAY SIGN AND DISPOSAL					
0488	630E89898	4.000	EACH	\$380.00000	\$1,520.00
REMOVAL OF TEMPORARY OVERLAY SIGN AND STORAGE					
0489	642E30000	95,835.000	FT	\$0.18075	\$17,322.18
REMOVAL OF PAVEMENT MARKING					
0490	642E30020	70.000	EACH	\$130.08186	\$9,105.73
REMOVAL OF PAVEMENT MARKING					
0491	644E00100	1.330	MILE	\$4,356.31610	\$5,793.90
EDGE LINE, 4"					
0492	644E00104	9.580	MILE	\$4,456.90389	\$42,697.14
EDGE LINE, 6"					
0493	644E00200	2.460	MILE	\$1,970.08980	\$4,846.42
LANE LINE, 4"					
0494	644E00204	5.890	MILE	\$1,739.09253	\$10,243.26
LANE LINE, 6"					
0495	644E00300	1.770	MILE	\$6,486.66937	\$11,481.40
CENTER LINE					
0496	644E00400	5,949.000	FT	\$1.25912	\$7,490.50
CHANNELIZING LINE, 8"					
0497	644E00404	10,173.000	FT	\$1.91526	\$19,483.94
CHANNELIZING LINE, 12"					
0498	644E00500	1,166.000	FT	\$5.42111	\$6,321.01
STOP LINE					
0499	644E00620	4,346.000	FT	\$3.29697	\$14,328.63
CROSSWALK LINE, 12"					
0500	644E00621	1,219.000	FT	\$8.00000	\$9,752.00
CROSSWALK LINE, 12", AS PER PLAN					

Estimate:

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
<u>Description</u>					
<u>Supplemental Description</u>					
0501	644E00700 TRANSVERSE/DIAGONAL LINE	4,154.000	FT	\$5.87310	\$24,396.86
0502	644E00720 CHEVRON MARKING	1,573.000	FT	\$5.80144	\$9,125.67
0503	644E00900 ISLAND MARKING	581.000	SF	\$3.99787	\$2,322.76
0504	644E01200 PARKING LOT STALL MARKING	5,302.000	FT	\$2.75185	\$14,590.31
0505	644E01300 LANE ARROW	164.000	EACH	\$102.61817	\$16,829.38
0506	644E01350 LANE REDUCTION ARROW	2.000	EACH	\$302.99319	\$605.99
0507	644E01360 WRONG WAY ARROW	11.000	EACH	\$224.79171	\$2,472.71
0508	644E50100 PAVEMENT MARKING, MISC.: TWO WAY LEFT TURN ARROW	2.000	EACH	\$150.00000	\$300.00
0509	644E01500 DOTTED LINE, 4"	3,310.000	FT	\$1.98691	\$6,576.67
0510	644E01510 DOTTED LINE, 6"	4,869.000	FT	\$1.36121	\$6,627.73
0511	644E01514 DOTTED LINE, 8"	1,448.000	FT	\$2.23435	\$3,235.34
0512	644E01520 DOTTED LINE, 12"	1,365.000	FT	\$1.71017	\$2,334.38
0513	644E01600 HANDICAP SYMBOL MARKING	4.000	EACH	\$151.33809	\$605.35
0514	644E01630 BIKE LANE SYMBOL MARKING	6.000	EACH	\$396.93209	\$2,381.59
0515	644E19000 SHARED LANE MARKING	4.000	EACH	\$437.90553	\$1,751.62
0516	644E50300 PAVEMENT MARKING, MISC.: BIKE LANE CROSSWALK	38.000	FT	\$100.00000	\$3,800.00
0517	644E60000 GREEN COLORED PAVEMENT FOR BIKE LANES	1,034.000	SF	\$8.00000	\$8,272.00



Estimate:

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
<u>Description</u>					
<u>Supplemental Description</u>					
0518	646E10000 EDGE LINE, 4"	0.140	MILE	\$14,482.60182	\$2,027.56
0519	646E10010 EDGE LINE, 6"	1.900	MILE	\$4,325.91304	\$8,219.23
0520	646E10100 LANE LINE, 4"	0.420	MILE	\$3,855.82190	\$1,619.45
0521	646E10110 LANE LINE, 6"	1.480	MILE	\$3,623.58282	\$5,362.90
0522	646E10200 CENTER LINE	0.350	MILE	\$8,906.79098	\$3,117.38
0523	646E10300 CHANNELIZING LINE, 8"	241.000	FT	\$2.44055	\$588.17
0524	646E10310 CHANNELIZING LINE, 12"	3,018.000	FT	\$2.52008	\$7,605.60
0525	646E10400 STOP LINE	33.000	FT	\$16.54320	\$545.93
0526	646E10510 CROSSWALK LINE, 12"	56.000	FT	\$9.62548	\$539.03
0527	646E10600 TRANSVERSE/DIAGONAL LINE	498.000	FT	\$11.13167	\$5,543.57
0528	646E10620 CHEVRON MARKING	222.000	FT	\$13.08375	\$2,904.59
0529	646E20300 LANE ARROW	5.000	EACH	\$227.40552	\$1,137.03
0530	646E20504 DOTTED LINE, 6"	2,687.000	FT	\$2.00010	\$5,374.27
0531	646E20600 BIKE LANE SYMBOL MARKING	4.000	EACH	\$234.91967	\$939.68
0532	646E20650 SHARED LANE MARKING	2.000	EACH	\$200.00000	\$400.00
0533	646E60100 GREEN COLORED PAVEMENT FOR BIKE LANES	876.000	SF	\$22.00000	\$19,272.00

Total for Group 0011:\$2,350,215.03

## Group 0012: TRAFFIC SIGNALS

Estimate:

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
<u>Description</u>					
<u>Supplemental Description</u>					
0534	625E00480	4.000	EACH	\$110.00000	\$440.00
CONNECTION, UNFUSED PERMANENT					
0535	625E25408	756.000	FT	\$7.87012	\$5,949.81
CONDUIT, 2", 725.051					
0536	625E25504	448.000	FT	\$12.30659	\$5,513.35
CONDUIT, 3", 725.051					
0537	625E25604	152.000	FT	\$19.27505	\$2,929.81
CONDUIT, 4", 725.051					
0538	625E25802	4,010.000	FT	\$35.00000	\$140,350.00
CONDUIT, CONCRETE ENCASED 4", 725.051					
0539	625E25910	675.000	FT	\$1.29237	\$872.35
CONDUIT CLEANED AND CABLES REMOVED					
0540	625E29000	2,824.000	FT	\$10.00000	\$28,240.00
TRENCH					
0541	625E29400	447.000	FT	\$95.00000	\$42,465.00
TRENCH IN PAVED AREA					
0542	625E30510	12.000	EACH	\$875.59540	\$10,507.14
PULL BOX, 725.06, SIZE 4					
0543	625E30530	28.000	EACH	\$1,852.57592	\$51,872.13
PULL BOX, 725.06, SIZE 18					
0544	625E32000	65.000	EACH	\$300.00000	\$19,500.00
GROUND ROD					
0545	625E36011	3,271.000	FT	\$1.50000	\$4,906.50
UNDERGROUND WARNING/MARKING TAPE, AS PER PLAN					
0546	630E79101	58.000	EACH	\$400.00000	\$23,200.00
SIGN HANGER ASSEMBLY, MAST ARM, AS PER PLAN					
0547	630E79500	4.000	EACH	\$84.13526	\$336.54
SIGN SUPPORT ASSEMBLY, POLE MOUNTED					
0548	630E80100	254.000	SF	\$14.62427	\$3,714.56
SIGN, FLAT SHEET					
0549	630E80511	30.000	EACH	\$265.00000	\$7,950.00
SIGN, STREET NAME, AS PER PLAN					
0550	632E04000	4.000	EACH	\$1,000.00000	\$4,000.00
VEHICULAR SIGNAL HEAD, MISC.: (LED), 3-SECTION, 8" LENS, 1-WAY, POLYCARBONATE, YELLOW (BICYCLE)					

Estimate:

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
<u>Description</u>					
<u>Supplemental Description</u>					
0551	632E05006	87.000	EACH	\$877.27911	\$76,323.28
VEHICULAR SIGNAL HEAD, (LED), 3-SECTION, 12" LENS, 1-WAY, PO LYCARBONATE YELLOW					
0552	632E05086	12.000	EACH	\$1,427.98001	\$17,135.76
VEHICULAR SIGNAL HEAD, (LED), 5-SECTION, 12" LENS, 1-WAY, PO LYCARBONATE YELLOW					
0553	632E20731	56.000	EACH	\$600.00000	\$33,600.00
PEDESTRIAN SIGNAL HEAD (LED), TYPE D2, COUNTDOWN, AS PER PLAN					
0554	632E20750	62.000	EACH	\$845.07112	\$52,394.41
ACCESSIBLE PEDESTRIAN PUSHBUTTON					
0555	632E25000	103.000	EACH	\$43.84186	\$4,515.71
COVERING OF VEHICULAR SIGNAL HEAD					
0556	632E25010	56.000	EACH	\$35.48775	\$1,987.31
COVERING OF PEDESTRIAN SIGNAL HEAD					
0557	632E40300	8,775.000	FT	\$2.32135	\$20,369.85
SIGNAL CABLE, 3 CONDUCTOR, NO. 14 AWG					
0558	632E40500	8,775.000	FT	\$2.44482	\$21,453.30
SIGNAL CABLE, 5 CONDUCTOR, NO. 14 AWG					
0559	632E40700	10,250.000	FT	\$2.88817	\$29,603.74
SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG					
0560	632E64010	30.000	EACH	\$4,434.51637	\$133,035.49
SIGNAL SUPPORT FOUNDATION					
0561	632E64020	28.000	EACH	\$935.23483	\$26,186.58
PEDESTAL FOUNDATION					
0562	632E64950	8.000	EACH	\$1,073.34933	\$8,586.79
TEST HOLE PERFORMED					
0563	632E68200	450.000	FT	\$4.14790	\$1,866.56
POWER CABLE, 2 CONDUCTOR, NO. 6 AWG					
0564	632E69200	450.000	FT	\$6.19172	\$2,786.27
POWER CABLE, 2 CONDUCTOR, NO. 4 AWG					
0565	632E70001	7.000	EACH	\$3,500.00000	\$24,500.00
POWER SERVICE, AS PER PLAN 2					
0566	632E70200	9.000	EACH	\$498.00000	\$4,482.00
CONDUIT RISER, 1" DIAMETER					
0567	632E72101	5.000	EACH	\$10,500.00000	\$52,500.00
SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 2, AS PER PLAN					

Estimate:

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
<u>Description</u>					
<u>Supplemental Description</u>					
0568	632E72111	5.000	EACH	\$15,500.00000	\$77,500.00
SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 4, AS PER PLAN					
0569	632E72131	8.000	EACH	\$17,500.00000	\$140,000.00
SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 12, AS PER PLAN					
0570	632E72141	8.000	EACH	\$20,500.00000	\$164,000.00
SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 13, AS PER PLAN					
0571	632E72151	2.000	EACH	\$22,500.00000	\$45,000.00
SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 14, AS PER PLAN					
0572	632E86121	2.000	EACH	\$10,000.00000	\$20,000.00
STRAIN POLE, TYPE TC-81.11, DESIGN 8, AS PER PLAN					
0573	632E89901	14.000	EACH	\$800.00000	\$11,200.00
PEDESTAL, 8', TRANSFORMER BASE, AS PER PLAN					
0574	632E90010	14.000	EACH	\$2,000.00000	\$28,000.00
PEDESTAL, MISC.: PEDESTAL 15', TRANSFORMER BASE					
0575	632E90101	8.000	EACH	\$2,000.00000	\$16,000.00
REMOVAL OF TRAFFIC SIGNAL INSTALLATION, AS PER PLAN					
0576	633E65511	7.000	EACH	\$13,250.00000	\$92,750.00
CABINET, TYPE TS-2, AS PER PLAN					
0577	633E67100	7.000	EACH	\$2,463.74328	\$17,246.20
CABINET FOUNDATION					
0578	633E67200	6.000	EACH	\$566.64836	\$3,399.89
CONTROLLER WORK PAD					
0579	809E69123	7.000	EACH	\$4,750.00000	\$33,250.00
ATC CONTROLLER, AS PER PLAN					

Total for Group 0012:\$1,512,420.33

### Group 0013: TRAFFIC SIGNALS ALTERNATES

0580	633E45001	7.000	EACH	\$675.00000	\$4,725.00
GPS (GLOBAL POSITIONING SYSTEM) CLOCK ASSEMBLY, AS PER PLAN (GENERIC) (ALTERNATE 1)					
0581	633E45001	7.000	EACH	\$0.00000	\$0.00
GPS (GLOBAL POSITIONING SYSTEM) CLOCK ASSEMBLY, AS PER PLAN (ELTEC) (ALTERNATE 2)					
0582	809E69101	20.000	EACH	\$9,000.00000	\$180,000.00
STOP LINE RADAR DETECTION, AS PER PLAN (GENERIC) (ALTERNATE 1)					
0583	809E69101	20.000	EACH	\$0.00000	\$0.00
STOP LINE RADAR DETECTION, AS PER PLAN (ITERIS) (ALTERNATE 2)					

Estimate:

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
<u>Description</u>					
<u>Supplemental Description</u>					

Total for Group 0013:\$184,725.00

Group 0014: LANDSCAPING

0584	511E53010	75.000	CY	\$1,000.00000	\$75,000.00
CLASS QC1 CONCRETE, MISC.: GATEWAY MONUMENT SIGN					
0585	607E98200	1.000	LS	\$2,505,581.85000	\$2,505,581.85
FENCE, MISC.: BRIDGE 13 SCREEN WALL PANELS					
0586	607E98200	1.000	LS	\$307,402.01000	\$307,402.01
FENCE, MISC.: GATEWAY MONUMENT SIGN SCREEN WALL PANELS					
0587	608E98000	961.000	SF	\$50.00000	\$48,050.00
WALKWAY, MISC.: PAVERS OVER CONCRETE (BRICK 1)					
0588	608E98000	743.000	SF	\$45.00000	\$33,435.00
WALKWAY, MISC.: PAVERS OVER CONCRETE (BRICK 2)					
0589	608E98000	110.000	SF	\$45.00000	\$4,950.00
WALKWAY, MISC.: PAVERS OVER CONCRETE (BRICK 3)					
0590	608E98000	1,847.000	SF	\$45.00000	\$83,115.00
WALKWAY, MISC.: PAVERS OVER CONCRETE (BRICK 4)					
0591	661E00501	117.000	CY	\$75.00000	\$8,775.00
MULCH, AS PER PLAN					
0592	661E31000	17,076.000	GAL	\$1.00000	\$17,076.00
LANDSCAPE WATERING					
0593	661E40100	9.000	EACH	\$750.00000	\$6,750.00
DECIDUOUS TREE, 2-1/2" CALIPER AMERICAN SYCAMORE (POC)					
0594	661E40100	4.000	EACH	\$750.00000	\$3,000.00
DECIDUOUS TREE, 2-1/2" CALIPER BUR OAK (QMA)					
0595	661E40100	7.000	EACH	\$750.00000	\$5,250.00
DECIDUOUS TREE, 2-1/2" CALIPER CHINESE ELM (ULM)					
0596	661E40100	15.000	EACH	\$750.00000	\$11,250.00
DECIDUOUS TREE, 2-1/2" CALIPER CHINKAPIN OAK (QMU)					
0597	661E40100	11.000	EACH	\$750.00000	\$8,250.00
DECIDUOUS TREE, 2-1/2" CALIPER GREEN VASE ZELKOVA (ZSE)					
0598	661E40100	18.000	EACH	\$750.00000	\$13,500.00
DECIDUOUS TREE, 2-1/2" CALIPER KENTUCKY COFFEETREE (GDI)					
0599	661E40100	1.000	EACH	\$750.00000	\$750.00
DECIDUOUS TREE, 2-1/2" CALIPER LITTLELEAF LINDEN (TCO)					

Estimate:

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
<u>Description</u>					
<u>Supplemental Description</u>					
0600	661E40100	19.000	EACH	\$750.00000	\$14,250.00
DECIDUOUS TREE, 2-1/2" CALIPER OHIO BUCKEYE (AGL)					
0601	661E40100	18.000	EACH	\$750.00000	\$13,500.00
DECIDUOUS TREE, 2-1/2" CALIPER SCARLET OAK (QCO)					
0602	661E40100	12.000	EACH	\$750.00000	\$9,000.00
DECIDUOUS TREE, 2-1/2" CALIPER SOMERSET RED MAPLE (ARS)					
0603	661E40100	10.000	EACH	\$750.00000	\$7,500.00
DECIDUOUS TREE, 2-1/2" CALIPER THORNLESS HONEYLOCUST (GTR)					
0604	661E50160	6.000	EACH	\$750.00000	\$4,500.00
EVERGREEN TREE, 8' HEIGHT AMERICAN HOLLY (IOK)					
0605	661E50160	26.000	EACH	\$750.00000	\$19,500.00
EVERGREEN TREE, 8' HEIGHT AMERICAN HOLLY (IOP)					
0606	661E50160	72.000	EACH	\$750.00000	\$54,000.00
EVERGREEN TREE, 8' HEIGHT EASTERN REDCEDAR (JVI)					
0607	661E50160	58.000	EACH	\$750.00000	\$43,500.00
EVERGREEN TREE, 8' HEIGHT PITCH PINE (PRI)					
0608	661E99900	54.000	EACH	\$750.00000	\$40,500.00
PLANTING, MISC.: FLOWERING TREE, 2-1/2" CALIPER, CRABAPPLE SP. (MAL)					
0609	661E99900	130.000	EACH	\$750.00000	\$97,500.00
PLANTING, MISC.: FLOWERING TREE, 2-1/2" CALIPER, EASTERN REDBUD (CCN)					
0610	661E99900	42.000	EACH	\$750.00000	\$31,500.00
PLANTING, MISC.: FLOWERING TREE, 2-1/2" CALIPER, FLOWERING DOGWOOD (CFL)					
0611	661E99900	94.000	EACH	\$750.00000	\$70,500.00
PLANTING, MISC.: FLOWERING TREE, 2-1/2" CALIPER, GREEN HAWTHORN (CVI)					
0612	661E99900	33.000	EACH	\$750.00000	\$24,750.00
PLANTING, MISC.: FLOWERING TREE, 2-1/2" CALIPER, IVORY SILK JAPANESE TREE LILAC (SRE)					
0613	661E99900	36.000	EACH	\$750.00000	\$27,000.00
PLANTING, MISC.: FLOWERING TREE, 2-1/2" CALIPER, KWANZAN FLOWERING CHERRY (PSE)					
0614	661E99900	81.000	EACH	\$750.00000	\$60,750.00
PLANTING, MISC.: FLOWERING TREE, 6-8' HEIGHT, AUTUMN BRILLIANCE SERVICEBERRY (ACA)					
0615	661E99900	14.000	EACH	\$750.00000	\$10,500.00
PLANTING, MISC.: FLOWERING TREE, 6-8' HEIGHT, COMMON WITCH HAZEL (HVI)					
0616	661E99900	186.000	EACH	\$65.00000	\$12,090.00
PLANTING, MISC.: SHRUB, 3 GALLON, SHORE JUNIPER (JCB)					

Estimate:

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
0617	680E14550 SPECIAL - TRASH RECEPTACLE	9.000	EACH	\$3,000.00000	\$27,000.00
0618	680E43100 SPECIAL - COMPLETE IRRIGATION SYSTEM	1.000	EACH	\$55,000.00000	\$55,000.00
0619	690E50600 SPECIAL - BOLLARD	69.000	EACH	\$2,000.00000	\$138,000.00
0620	690E98000 SPECIAL - BRICK 1 PAVER MOCK UP	2.000	EACH	\$5,000.00000	\$10,000.00
0621	690E98000 SPECIAL - BRICK 2 PAVER MOCK UP	2.000	EACH	\$5,000.00000	\$10,000.00
0622	690E98000 SPECIAL - BRICK 3 PAVER MOCK UP	2.000	EACH	\$5,000.00000	\$10,000.00
0623	690E98000 SPECIAL - BRICK 4 PAVER MOCK UP	2.000	EACH	\$5,000.00000	\$10,000.00
0624	690E98000 SPECIAL - BRIDGE 13 PLANTER MOCK UP	1.000	EACH	\$1,000.00000	\$1,000.00
0625	690E98000 SPECIAL - GATEWAY MONUMENT SIGN ARCHITECTURAL CONCRETE MIX MOCK UP	1.000	EACH	\$10,000.00000	\$10,000.00
0626	690E98000 SPECIAL - GATEWAY MONUMENT SIGN SCREEN WALL MOCK UP	1.000	EACH	\$10,000.00000	\$10,000.00
0627	690E98000 SPECIAL - GATEWAY SIGN ALUMINUM LETTERS	21.000	EACH	\$1,000.00000	\$21,000.00
0628	690E98000 SPECIAL - INTEGRALLY COLORED CONCRETE CROSSWALK MOCK UP	2.000	EACH	\$5,000.00000	\$10,000.00
0629	690E98000 SPECIAL - PARK BENCH	24.000	EACH	\$3,200.00000	\$76,800.00
0630	690E98000 SPECIAL - SCREEN WALL COVER PLATE	159.000	EACH	\$700.00000	\$111,300.00
0631	690E98000 SPECIAL - SKATE GUARD	70.000	EACH	\$65.00000	\$4,550.00
0632	690E98000 SPECIAL - TREE PROTECTION	9.000	EACH	\$500.00000	\$4,500.00
0633	690E98100 SPECIAL - AIR KNIFE EXCAVATION	320.000	FT	\$15.00000	\$4,800.00

Estimate:

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
0634	690E98100 SPECIAL - METAL EDGING	1,118.000	FT	\$50.00000	\$55,900.00
0635	690E98400 SPECIAL - PLANTER WATERPROOFING SYSTEM	1.000	LS	\$50,000.00000	\$50,000.00
0636	690E98400 SPECIAL - PLANTING SOIL FOR BRIDGE 13 PARAPET PLANTERS	29.000	LS	\$65.00000	\$1,885.00
0637	690E98700 SPECIAL - PLANTING SOIL FOR BRIDGE 13 TREE PLANTERS	174.000	CY	\$65.00000	\$11,310.00

Total for Group 0014:\$4,306,019.86

### Group 0015: RETAINING WALLS (WALL AC)

0638	203E20000 EMBANKMENT	118.000	CY	\$7.57021	\$893.28
0639	204E30020 GRANULAR MATERIAL, TYPE C	213.000	CY	\$80.63843	\$17,175.99
0640	503E21301 UNCLASSIFIED EXCAVATION, AS PER PLAN	1.000	LS	\$50,000.00000	\$50,000.00
0641	507E00400 STEEL PILES, MISC.: SOLDIER PILES HP14x73	1,455.000	FT	\$100.00000	\$145,500.00
0642	509E10000 EPOXY COATED STEEL REINFORCEMENT	153,596.000	LB	\$2.00000	\$307,192.00
0643	509E30020 NO. 4 DEFORMED GFRP REINFORCEMENT	9,490.000	FT	\$1.73282	\$16,444.46
0644	511E46011 CLASS QC1 CONCRETE, RETAINING/WINGWALL NOT INCLUDING FOOTING , AS PER PLAN	276.000	CY	\$1,000.00000	\$276,000.00
0645	511E53012 CLASS QC2 CONCRETE, MISC.: CONCRETE MOMENT SLAB AND BARRIER	387.000	CY	\$800.00000	\$309,600.00
0646	512E10001 SEALING OF CONCRETE SURFACES, AS PER PLAN (PERMANENT GRAFFITI PROTECTION)	595.000	SY	\$24.00000	\$14,280.00
0647	512E10101 SEALING OF CONCRETE SURFACES (EPOXY-URETHANE), AS PER PLAN	1,786.000	SY	\$23.00000	\$41,078.00
0648	512E33001 TYPE 2 WATERPROOFING, AS PER PLAN	40.000	SY	\$40.00000	\$1,600.00
0649	513E20001 WELDED STUD SHEAR CONNECTORS, AS PER PLAN	663.000	EACH	\$5.00000	\$3,315.00



Estimate:

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
0650	516E31001 JOINT SEALER, AS PER PLAN	634.000	FT	\$30.00000	\$19,020.00
0651	518E20000 PREFABRICATED GEOCOMPOSITE DRAIN	570.000	SY	\$20.00000	\$11,400.00
0652	518E21200 POROUS BACKFILL WITH GEOTEXTILE FABRIC	20.000	CY	\$85.43190	\$1,708.64
0653	518E40000 6" PERFORATED CORRUGATED PLASTIC PIPE	250.000	FT	\$8.08865	\$2,022.16
0654	518E40010 6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIAL S	20.000	FT	\$10.98001	\$219.60
0655	524E94603 DRILLED SHAFTS, 30" DIAMETER, ABOVE BEDROCK, AS PER PLAN	775.000	FT	\$200.00000	\$155,000.00
0656	530E51020 SPECIAL - RETAINING WALL, TIMBER LAGGING	5,235.000	SF	\$25.00000	\$130,875.00
0657	601E11000 RIPRAP, TYPE D	28.000	SY	\$268.77518	\$7,525.71
0658	840E20001 MECHANICALLY STABILIZED EARTH WALL, AS PER PLAN	5,365.000	SF	\$35.00000	\$187,775.00
0659	840E21000 WALL EXCAVATION	1,330.000	CY	\$14.78965	\$19,670.23
0660	840E22000 FOUNDATION PREPARATION	638.000	SY	\$25.52113	\$16,282.48
0661	840E23000 SELECT GRANULAR BACKFILL	2,580.000	CY	\$53.34425	\$137,628.17
0662	840E25010 6" DRAINAGE PIPE, PERFORATED	810.000	FT	\$4.87677	\$3,950.18
0663	840E26000 CONCRETE COPING	381.000	FT	\$154.59108	\$58,899.20
0664	840E26050 AESTHETIC SURFACE TREATMENT	4,300.000	SF	\$1.22409	\$5,263.59
0665	840E27000 ON-SITE ASSISTANCE	5.000	DAY	\$515.07903	\$2,575.40
0666	840E28000 SGB INSPECTION AND COMPACTION TESTING	1.000	LS	\$8,000.00000	\$8,000.00

Estimate:

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
<u>Description</u>					
<u>Supplemental Description</u>					
0667	866E00100	22.000	EACH	\$5,000.00000	\$110,000.00
GROUND ANCHOR, 73 KIP MAX LOAD TEST					
0668	866E00100	22.000	EACH	\$5,000.00000	\$110,000.00
GROUND ANCHOR, 77 KIP MAX LOAD TEST					
0669	866E00100	9.000	EACH	\$5,000.00000	\$45,000.00
GROUND ANCHOR, 100 KIP MAX LOAD TEST					
0670	866E00100	22.000	EACH	\$5,000.00000	\$110,000.00
GROUND ANCHOR, 113 KIP MAX LOAD TEST					
0671	866E00100	9.000	EACH	\$5,000.00000	\$45,000.00
GROUND ANCHOR, 122 KIP MAX LOAD TEST					
0672	866E00300	1.000	LS	\$10,000.00000	\$10,000.00
INVESTIGATIVE ANCHOR PULLOUT TESTS					
0673	866E00400	5.000	EACH	\$2,000.00000	\$10,000.00
PERFORMANCE TEST					
0674	866E00500	2.000	EACH	\$2,000.00000	\$4,000.00
EXTENDED CREEP TEST					

Total for Group 0015:\$2,394,894.09

**Group 0016: RETAINING WALLS (WALL AD)**

0675	503E11100	1.000	LS	\$10,000.00000	\$10,000.00
COFFERDAMS AND EXCAVATION BRACING					
0676	503E21100	1,279.000	CY	\$46.72933	\$59,766.81
UNCLASSIFIED EXCAVATION					
0677	509E10000	83,281.000	LB	\$2.00000	\$166,562.00
EPOXY COATED STEEL REINFORCEMENT					
0678	509E30020	12,977.000	FT	\$1.73282	\$22,486.81
NO. 4 DEFORMED GFRP REINFORCEMENT					
0679	511E46212	163.000	CY	\$500.00000	\$81,500.00
CLASS QC1 CONCRETE WITH QC/QA, RETAINING/WINGWALL INCLUDING FOOTING					
0680	511E53012	266.000	CY	\$800.00000	\$212,800.00
CLASS QC2 CONCRETE, MISC.: MOMENT SLAB AND RAILING					
0681	511E53012	73.000	CY	\$975.00000	\$71,175.00
CLASS QC2 CONCRETE, MISC.: RAILING ON RETAINING WALL					
0682	512E10001	338.000	SY	\$24.00000	\$8,112.00
SEALING OF CONCRETE SURFACES, AS PER PLAN (PERMANENT GRAFFITI PROTECTION)					

Estimate:

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
<u>Description</u>					
<u>Supplemental Description</u>					
0683	512E10100	1,306.000	SY	\$23.00000	\$30,038.00
SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)					
0684	512E33000	147.000	SY	\$18.53440	\$2,724.56
TYPE 2 WATERPROOFING					
0685	512E67300	421.000	FT	\$35.00000	\$14,735.00
SPECIAL - WATERPROOFING 6" PVC WATERSTOP					
0686	516E13600	35.000	SF	\$7.01809	\$245.63
1" PREFORMED EXPANSION JOINT FILLER					
0687	518E21200	133.000	CY	\$85.43190	\$11,362.44
POROUS BACKFILL WITH GEOTEXTILE FABRIC					
0688	518E40000	808.000	FT	\$8.08865	\$6,535.63
6" PERFORATED CORRUGATED PLASTIC PIPE					
0689	518E40010	132.000	FT	\$10.98001	\$1,449.36
6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIAL S					
0690	530E50020	448.000	FT	\$99.00000	\$44,352.00
SPECIAL - RETAINING WALL GRADE BEAM					
0691	530E50020	471.000	FT	\$430.00000	\$202,530.00
SPECIAL - RETAINING WALL LOAD DISTRIBUTION SLAB (LDS)					
0692	530E51000	7,083.000	SF	\$30.00000	\$212,490.00
SPECIAL - RETAINING WALL, PRECAST WALL FACADE PANEL					
0693	840E26001	448.000	FT	\$200.00000	\$89,600.00
CONCRETE COPING, AS PER PLAN					
0694	840E26050	7,083.000	SF	\$1.22409	\$8,670.23
AESTHETIC SURFACE TREATMENT					

Total for Group 0016:\$1,257,135.47

### Group 0017: RETAINING WALLS (WALL AE)

0695	503E11100	1.000	LS	\$100,000.00000	\$100,000.00
COFFERDAMS AND EXCAVATION BRACING					
0696	503E21101	559.000	CY	\$60.00000	\$33,540.00
UNCLASSIFIED EXCAVATION, AS PER PLAN					
0697	509E10000	30,805.000	LB	\$2.00000	\$61,610.00
EPOXY COATED STEEL REINFORCEMENT					
0698	509E30020	2,846.000	FT	\$1.73282	\$4,931.61
NO. 4 DEFORMED GFRP REINFORCEMENT					

Estimate:

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
<u>Description</u>					
<u>Supplemental Description</u>					
0699	511E34450	28.000	CY	\$1,100.00000	\$30,800.00
CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET)					
0700	511E46013	75.000	CY	\$1,000.00000	\$75,000.00
CLASS QC1 CONCRETE WITH QC/QA, RETAINING/WINGWALL NOT INCLUD ING FOOTING, AS PER PLAN					
0701	511E46512	68.000	CY	\$500.00000	\$34,000.00
CLASS QC1 CONCRETE WITH QC/QA, FOOTING					
0702	511E53012	85.000	CY	\$800.00000	\$68,000.00
CLASS QC2 CONCRETE, MISC.: MOMENT SLAB WITH QC/QA					
0703	512E10001	261.000	SY	\$24.00000	\$6,264.00
SEALING OF CONCRETE SURFACES, AS PER PLAN (PERMANENT GRAFFITI PROTECTION)					
0704	512E10101	261.000	SY	\$23.00000	\$6,003.00
SEALING OF CONCRETE SURFACES (EPOXY-URETHANE), AS PER PLAN					
0705	512E33000	12.000	SY	\$18.53440	\$222.41
TYPE 2 WATERPROOFING					
0706	516E13601	224.000	SF	\$8.00000	\$1,792.00
1" PREFORMED EXPANSION JOINT FILLER, AS PER PLAN					
0707	516E13900	469.000	SF	\$10.04663	\$4,711.87
2" PREFORMED EXPANSION JOINT FILLER					
0708	516E31001	209.000	FT	\$30.00000	\$6,270.00
JOINT SEALER, AS PER PLAN					
0709	518E21200	78.000	CY	\$85.43190	\$6,663.69
POROUS BACKFILL WITH GEOTEXTILE FABRIC					
0710	518E40000	212.000	FT	\$8.08865	\$1,714.79
6" PERFORATED CORRUGATED PLASTIC PIPE					
0711	518E40010	12.000	FT	\$10.98001	\$131.76
6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIAL S					

Total for Group 0017:\$441,655.13

### Group 0018: RETAINING WALLS (WALL AF)

0712	503E21301	1.000	LS	\$50,000.00000	\$50,000.00
UNCLASSIFIED EXCAVATION, AS PER PLAN					
0713	509E10000	38,614.000	LB	\$2.00000	\$77,228.00
EPOXY COATED STEEL REINFORCEMENT					
0714	510E10000	58.000	EACH	\$30.00000	\$1,740.00
DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT					

Estimate:

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
<u>Description</u>					
<u>Supplemental Description</u>					
0715	511E44113	281.000	CY	\$600.00000	\$168,600.00
CLASS QC1 CONCRETE WITH QC/QA, ABUTMENT NOT INCLUDING FOOTIN G, AS PER PLAN					
0716	511E46013	190.000	CY	\$765.00000	\$145,350.00
CLASS QC1 CONCRETE WITH QC/QA, RETAINING/WINGWALL NOT INCLUD ING FOOTING, AS PER PLAN					
0717	511E71200	5,490.000	SF	\$6.00000	\$32,940.00
CONCRETE, MISC.: ARCHITECTURAL TREATMENT					
0718	512E10001	308.000	SY	\$24.00000	\$7,392.00
SEALING OF CONCRETE SURFACES, AS PER PLAN (PERMANENT GRAFFITI PROTECTION)					
0719	512E10101	731.000	SY	\$23.00000	\$16,813.00
SEALING OF CONCRETE SURFACES (EPOXY-URETHANE), AS PER PLAN					
0720	513E20000	1,062.000	EACH	\$4.93972	\$5,245.98
WELDED STUD SHEAR CONNECTORS					
0721	516E13600	82.000	SF	\$7.01809	\$575.48
1" PREFORMED EXPANSION JOINT FILLER					
0722	518E20000	590.000	SY	\$20.00000	\$11,800.00
PREFABRICATED GEOCOMPOSITE DRAIN					
0723	518E21200	139.000	CY	\$85.43190	\$11,875.03
POROUS BACKFILL WITH GEOTEXTILE FABRIC					
0724	518E40000	554.000	FT	\$8.08865	\$4,481.11
6" PERFORATED CORRUGATED PLASTIC PIPE					
0725	518E40010	60.000	FT	\$10.98001	\$658.80
6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIAL S					
0726	524E94801	1,762.000	FT	\$450.00000	\$792,900.00
DRILLED SHAFTS, 42" DIAMETER, AS PER LAN					
0727	524E94900	498.000	FT	\$550.00000	\$273,900.00
DRILLED SHAFTS, 48" DIAMETER					
0728	524E94901	4,194.000	FT	\$1,427.00000	\$5,984,838.00
DRILLED SHAFTS, 48" DIAMETER, AS PER PLAN					
0729	524E95100	1.000	EACH	\$150,000.00000	\$150,000.00
DRILLED SHAFTS, MISC.: DEMONSTRATION DRILLED SHAFT					
0730	607E39911	277.000	FT	\$160.00000	\$44,320.00
VANDAL PROTECTION FENCE, 8' STRAIGHT, COATED FABRIC, AS PER PLAN					
0731	894E10000	1.000	EACH	\$9,458.00000	\$9,458.00
THERMAL INTEGRITY PROFILING (TIP) TEST					

Estimate:

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
<u>Description</u>					
<u>Supplemental Description</u>					

Total for Group 0018:\$7,790,115.40

**Group 0019: RETAINING WALLS (WALL AG)**

0732	503E21101	9,626.000	CY	\$60.00000	\$577,560.00
UNCLASSIFIED EXCAVATION, AS PER PLAN					
0733	507E00600	19,665.000	FT	\$17.96158	\$353,214.47
14" CAST-IN-PLACE REINFORCED CONCRETE PILES, DRIVEN					
0734	507E00650	21,140.000	FT	\$72.37550	\$1,530,018.07
14" CAST-IN-PLACE REINFORCED CONCRETE PILES, FURNISHED					
0735	509E10000	272,727.000	LB	\$2.00000	\$545,454.00
EPOXY COATED STEEL REINFORCEMENT					
0736	511E46012	1,073.000	CY	\$683.16608	\$733,037.20
CLASS QC1 CONCRETE WITH QC/QA, RETAINING/WINGWALL NOT INCLUD ING FOOTING					
0737	511E46512	1,101.000	CY	\$291.39891	\$320,830.20
CLASS QC1 CONCRETE WITH QC/QA, FOOTING					
0738	511E71200	12,719.000	SF	\$6.00000	\$76,314.00
CONCRETE, MISC.: ARCHITECTURAL TREATMENT					
0739	512E10001	659.000	SY	\$24.00000	\$15,816.00
SEALING OF CONCRETE SURFACES, AS PER PLAN (PERMANENT GRAFFITI PROTECTION)					
0740	512E10101	1,359.000	SY	\$23.00000	\$31,257.00
SEALING OF CONCRETE SURFACES (EPOXY-URETHANE), AS PER PLAN					
0741	512E33000	154.000	SY	\$18.53440	\$2,854.30
TYPE 2 WATERPROOFING					
0742	516E13600	402.000	SF	\$7.01809	\$2,821.27
1" PREFORMED EXPANSION JOINT FILLER					
0743	518E21200	830.000	CY	\$85.43190	\$70,908.48
POROUS BACKFILL WITH GEOTEXTILE FABRIC					
0744	518E40000	633.000	FT	\$8.08865	\$5,120.12
6" PERFORATED CORRUGATED PLASTIC PIPE					
0745	518E40010	100.000	FT	\$10.98001	\$1,098.00
6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIAL S					
0746	523E20001	4.000	EACH	\$5,000.00000	\$20,000.00
DYNAMIC LOAD TESTING, AS PER PLAN					
0747	523E20501	4.000	EACH	\$2,500.00000	\$10,000.00
RESTRIKE, AS PER PLAN					

Estimate:

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
0748	607E39911	614.000	FT	\$160.00000	\$98,240.00
	VANDAL PROTECTION FENCE, 8' STRAIGHT, COATED FABRIC, AS PER PLAN				

0749	611E99710	3.000	EACH	\$380.00929	\$1,140.03
	PRECAST REINFORCED CONCRETE OUTLET				

Total for Group 0019:\$4,395,683.14

### Group 0020: RETAINING WALLS (WALL AH)

0750	503E21301	1.000	LS	\$25,000.00000	\$25,000.00
	UNCLASSIFIED EXCAVATION, AS PER PLAN				

0751	509E10000	15,638.000	LB	\$2.00000	\$31,276.00
	EPOXY COATED STEEL REINFORCEMENT				

0752	511E44113	105.000	CY	\$600.00000	\$63,000.00
	CLASS QC1 CONCRETE WITH QC/QA, ABUTMENT NOT INCLUDING FOOTIN G, AS PER PLAN				

0753	511E46013	68.000	CY	\$765.00000	\$52,020.00
	CLASS QC1 CONCRETE WITH QC/QA, RETAINING/WINGWALL NOT INCLUD ING FOOTING, AS PER PLAN				

0754	511E71200	2,009.000	SF	\$6.00000	\$12,054.00
	CONCRETE, MISC.: ARCHITECTURAL TREATMENT				

0755	512E10001	109.000	SY	\$24.00000	\$2,616.00
	SEALING OF CONCRETE SURFACES, AS PER PLAN (PERMANENT GRAFFITI PROTECTION)				

0756	512E10101	261.000	SY	\$23.00000	\$6,003.00
	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE), AS PER PLAN				

0757	513E20000	378.000	EACH	\$4.93972	\$1,867.21
	WELDED STUD SHEAR CONNECTORS				

0758	516E13600	64.000	SF	\$7.01809	\$449.16
	1" PREFORMED EXPANSION JOINT FILLER				

0759	518E20000	237.000	SY	\$20.00000	\$4,740.00
	PREFABRICATED GEOCOMPOSITE DRAIN				

0760	518E21200	46.000	CY	\$85.43190	\$3,929.87
	POROUS BACKFILL WITH GEOTEXTILE FABRIC				

0761	518E40000	200.000	FT	\$8.08865	\$1,617.73
	6" PERFORATED CORRUGATED PLASTIC PIPE				

0762	518E40010	30.000	FT	\$10.98001	\$329.40
	6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIAL S				

0763	524E94801	642.000	FT	\$450.00000	\$288,900.00
	DRILLED SHAFTS, 42" DIAMETER, AS PER LAN				

Estimate:

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
<u>Description</u>					
<u>Supplemental Description</u>					
0764	524E94901	1,778.000	FT	\$1,450.00000	\$2,578,100.00
DRILLED SHAFTS, 48" DIAMETER, AS PER PLAN					
0765	524E95100	1.000	EACH	\$150,000.00000	\$150,000.00
DRILLED SHAFTS, MISC.: DEMONSTRATION DRILLED SHAFT					
0766	601E40000	100.000	FT	\$35.00000	\$3,500.00
PAVED GUTTER, MISC.: PAVED GUTTER					
0767	607E39911	98.000	FT	\$160.00000	\$15,680.00
VANDAL PROTECTION FENCE, 8' STRAIGHT, COATED FABRIC, AS PER PLAN					
0768	894E10000	1.000	EACH	\$9,458.00000	\$9,458.00
THERMAL INTEGRITY PROFILING (TIP) TEST					

Total for Group 0020:\$3,250,540.37

**Group 0021: RETAINING WALLS (WALL AI)**

0769	507E00400	462.000	FT	\$225.00000	\$103,950.00
STEEL PILES, MISC.: W24x162, FURNISHED					
0770	507E00400	115.000	FT	\$300.00000	\$34,500.00
STEEL PILES, MISC.: W24x229, FURNISHED					
0771	509E10000	12,522.000	LB	\$2.00000	\$25,044.00
EPOXY COATED STEEL REINFORCEMENT					
0772	511E46013	27.000	CY	\$600.00000	\$16,200.00
CLASS QC1 CONCRETE WITH QC/QA, RETAINING/WINGWALL NOT INCLUD ING FOOTING, AS PER PLAN					
0773	511E53012	70.000	CY	\$800.00000	\$56,000.00
CLASS QC2 CONCRETE, MISC.: MOMENT SLAB AND PARAPET WITH QC/QA					
0774	511E81300	11.000	EACH	\$200.00000	\$2,200.00
CONCRETE, MISC.: CLASS QC1 CONCRETE FOR RAISED PANEL SEAT					
0775	512E10001	276.000	SY	\$24.00000	\$6,624.00
SEALING OF CONCRETE SURFACES, AS PER PLAN (PERMANENT GRAFFITI PROTECTION)					
0776	512E10101	276.000	SY	\$23.00000	\$6,348.00
SEALING OF CONCRETE SURFACES (EPOXY-URETHANE), AS PER PLAN					
0777	513E90000	526.000	LB	\$1.00000	\$526.00
STRUCTURAL STEEL, MISC.: RETENTION ANGLE					
0778	516E13600	87.000	SF	\$6.60720	\$574.83
1" PREFORMED EXPANSION JOINT FILLER					
0779	516E13900	276.000	SF	\$10.69100	\$2,950.72
2" PREFORMED EXPANSION JOINT FILLER					



Estimate:

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
<u>Description</u>					
<u>Supplemental Description</u>					
0780	516E42000	190.000	EACH	\$40.00000	\$7,600.00
ELASTOMERIC BEARING PAD, MISC.: 6" x 10" x 3/8" THICK					
0781	518E40000	161.000	FT	\$9.67660	\$1,557.93
6" PERFORATED CORRUGATED PLASTIC PIPE					
0782	518E40010	14.000	FT	\$12.64270	\$177.00
6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIAL S					
0783	524E94703	391.000	FT	\$150.00000	\$58,650.00
DRILLED SHAFTS, 36" DIAMETER, ABOVE BEDROCK, AS PER PLAN					
0784	530E51010	1,373.000	SF	\$28.00000	\$38,444.00
SPECIAL - RETAINING WALL, PRECAST CONCRETE LAGGING					
0785	607E39910	136.000	FT	\$160.00000	\$21,760.00
VANDAL PROTECTION FENCE, 8' STRAIGHT, COATED FABRIC					
0786	613E41200	17.000	CY	\$71.65918	\$1,218.21
LOW STRENGTH MORTAR BACKFILL					

Total for Group 0021:\$384,324.69

### Group 0022: RETAINING WALLS (WALL AJ)

0787	507E00400	114.000	FT	\$160.00000	\$18,240.00
STEEL PILES, MISC.: HP16x121, FURNISHED					
0788	507E00400	527.000	FT	\$170.00000	\$89,590.00
STEEL PILES, MISC.: W24x131, FURNISHED					
0789	507E00400	439.000	FT	\$250.00000	\$109,750.00
STEEL PILES, MISC.: W24x192, FURNISHED					
0790	507E00400	130.000	FT	\$300.00000	\$39,000.00
STEEL PILES, MISC.: W24x229, FURNISHED					
0791	511E81300	11.000	EACH	\$200.00000	\$2,200.00
CONCRETE, MISC.: CLASS QC1 CONCRETE FOR RAISED PANEL SEAT					
0792	512E10001	440.000	SY	\$24.00000	\$10,560.00
SEALING OF CONCRETE SURFACES, AS PER PLAN (PERMANENT GRAFFITI PROTECTION)					
0793	512E10101	440.000	SY	\$23.00000	\$10,120.00
SEALING OF CONCRETE SURFACES (EPOXY-URETHANE), AS PER PLAN					
0794	516E42000	472.000	EACH	\$40.00000	\$18,880.00
ELASTOMERIC BEARING PAD, MISC.: 6" x 10" x 3/8" THICK					
0795	518E40000	280.000	FT	\$8.08865	\$2,264.82
6" PERFORATED CORRUGATED PLASTIC PIPE					

Estimate:

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
<u>Description</u>					
<u>Supplemental Description</u>					
0796	518E40010	34.000	FT	\$10.98001	\$373.32
6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIAL S					
0797	524E94603	75.000	FT	\$100.00000	\$7,500.00
DRILLED SHAFTS, 30" DIAMETER, ABOVE BEDROCK, AS PER PLAN					
0798	524E94703	659.000	FT	\$150.00000	\$98,850.00
DRILLED SHAFTS, 36" DIAMETER, ABOVE BEDROCK, AS PER PLAN					
0799	530E51010	3,489.000	SF	\$28.00000	\$97,692.00
SPECIAL - RETAINING WALL, PRECAST CONCRETE LAGGING					
0800	607E23000	274.000	FT	\$20.54136	\$5,628.33
FENCE, TYPE CLT					
0801	611E99710	2.000	EACH	\$380.00929	\$760.02
PRECAST REINFORCED CONCRETE OUTLET					
0802	613E41200	108.000	CY	\$71.65918	\$7,739.19
LOW STRENGTH MORTAR BACKFILL					

Total for Group 0022:\$519,147.68

### Group 0023: RETAINING WALLS (WALL N)

0803	203E35120	209.000	CY	\$39.62290	\$8,281.19
GRANULAR MATERIAL, TYPE C					
0804	507E00400	194.000	FT	\$135.00000	\$26,190.00
STEEL PILES, MISC.: W21x101, FURNISHED					
0805	507E00400	210.000	FT	\$250.00000	\$52,500.00
STEEL PILES, MISC.: W24x192, FURNISHED					
0806	512E10001	279.000	SY	\$24.00000	\$6,696.00
SEALING OF CONCRETE SURFACES, AS PER PLAN (PERMANENT GRAFFITI PROTECTION)					
0807	512E10101	486.000	SY	\$23.00000	\$11,178.00
SEALING OF CONCRETE SURFACES (EPOXY-URETHANE), AS PER PLAN					
0808	513E90000	6,851.000	LB	\$1.00000	\$6,851.00
STRUCTURAL STEEL, MISC.: RETENTION ANGLE					
0809	516E13600	20.000	SF	\$6.60720	\$132.14
1" PREFORMED EXPANSION JOINT FILLER					
0810	516E13900	44.000	SF	\$10.69100	\$470.40
2" PREFORMED EXPANSION JOINT FILLER					
0811	516E42000	5.000	EACH	\$32.00000	\$160.00
ELASTOMERIC BEARING PAD, MISC.: 6" x 8" x 3/8" THICK					

Estimate:

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
<u>Description</u>					
<u>Supplemental Description</u>					
0812	516E42000	165.000	EACH	\$40.00000	\$6,600.00
ELASTOMERIC BEARING PAD, MISC.: 6" x 10" x 3/8" THICK					
0813	524E94703	200.000	FT	\$200.00000	\$40,000.00
DRILLED SHAFTS, 36" DIAMETER, ABOVE BEDROCK, AS PER PLAN					
0814	530E51010	1,195.000	SF	\$28.00000	\$33,460.00
SPECIAL - RETAINING WALL, PRECAST CONCRETE LAGGING					
0815	607E23000	62.000	FT	\$17.30330	\$1,072.80
FENCE, TYPE CLT					
0816	613E41200	37.000	CY	\$71.65918	\$2,651.39
LOW STRENGTH MORTAR BACKFILL					
0817	840E20000	4,643.000	SF	\$33.23210	\$154,296.64
MECHANICALLY STABILIZED EARTH WALL					
0818	840E20001	823.000	SF	\$15.00000	\$12,345.00
MECHANICALLY STABILIZED EARTH WALL, AS PER PLAN WIRE FACED MSE WALL					
0819	840E21000	2,149.000	CY	\$18.08450	\$38,863.59
WALL EXCAVATION					
0820	840E22000	626.000	SY	\$25.29170	\$15,832.60
FOUNDATION PREPARATION					
0821	840E23000	4,380.000	CY	\$50.86060	\$222,769.43
SELECT GRANULAR BACKFILL					
0822	840E23050	173.000	CY	\$37.45170	\$6,479.14
NATURAL SOIL					
0823	840E25010	424.000	FT	\$6.55180	\$2,777.96
6" DRAINAGE PIPE, PERFORATED					
0824	840E25020	40.000	FT	\$17.31360	\$692.54
6" DRAINAGE PIPE, NON-PERFORATED					
0825	840E26000	243.000	FT	\$128.48440	\$31,221.71
CONCRETE COPING					
0826	840E26050	4,643.000	SF	\$1.22410	\$5,683.50
AESTHETIC SURFACE TREATMENT					
0827	840E27000	1.000	DAY	\$456.67590	\$456.68
ON-SITE ASSISTANCE					
0828	840E28000	1.000	LS	\$8,000.00000	\$8,000.00
SGB INSPECTION AND COMPACTION TESTING					

Estimate:

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
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Description  
Supplemental Description

Total for Group 0023:\$695,661.71

Group 0024: RETAINING WALLS (WALL S)

0829	507E00400	2,290.000	FT	\$350.00000	\$801,500.00
	STEEL PILES, MISC.: W36x262, FURNISHED				
0830	509E10000	49,206.000	LB	\$2.00000	\$98,412.00
	EPOXY COATED STEEL REINFORCEMENT				
0831	509E30020	4,054.000	FT	\$1.73282	\$7,024.85
	NO. 4 DEFORMED GFRP REINFORCEMENT				
0832	511E46012	152.000	CY	\$683.16608	\$103,841.24
	CLASS QC1 CONCRETE WITH QC/QA, RETAINING/WINGWALL NOT INCLUD ING FOOTING				
0833	511E53012	138.000	CY	\$800.00000	\$110,400.00
	CLASS QC2 CONCRETE, MISC.: MOMENT SLAB AND BARRIER WITH QC/QA				
0834	511E71200	3,769.000	SF	\$6.00000	\$22,614.00
	CONCRETE, MISC.: ARCHITECTURAL TREATMENT				
0835	512E10001	275.000	SY	\$24.00000	\$6,600.00
	SEALING OF CONCRETE SURFACES, AS PER PLAN (PERMANENT GRAFFITI PROTECTION)				
0836	512E10101	496.000	SY	\$23.00000	\$11,408.00
	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE), AS PER PLAN				
0837	512E33001	41.000	SY	\$25.00000	\$1,025.00
	TYPE 2 WATERPROOFING, AS PER PLAN				
0838	513E20000	1,116.000	EACH	\$4.93972	\$5,512.73
	WELDED STUD SHEAR CONNECTORS				
0839	516E13600	231.000	SF	\$7.01809	\$1,621.18
	1" PREFORMED EXPANSION JOINT FILLER				
0840	516E42000	120.000	EACH	\$36.00000	\$4,320.00
	ELASTOMERIC BEARING PAD, MISC.: 6" x 9" x 3/8" THICK				
0841	518E20000	364.000	SY	\$20.00000	\$7,280.00
	PREFABRICATED GEOCOMPOSITE DRAIN				
0842	518E21200	168.000	CY	\$85.43190	\$14,352.56
	POROUS BACKFILL WITH GEOTEXTILE FABRIC				
0843	518E40000	273.000	FT	\$8.08865	\$2,208.20
	6" PERFORATED CORRUGATED PLASTIC PIPE				
0844	518E40010	62.000	FT	\$10.98001	\$680.76
	6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIAL S				

Estimate:

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
<u>Description</u>					
<u>Supplemental Description</u>					
0845	524E94803	1,512.000	FT	\$200.00000	\$302,400.00
DRILLED SHAFTS, 42" DIAMETER, ABOVE BEDROCK, AS PER PLAN					
0846	530E51010	743.000	SF	\$28.00000	\$20,804.00
SPECIAL - RETAINING WALL, PRECAST CONCRETE LAGGING					
0847	530E51020	3,273.000	SF	\$25.00000	\$81,825.00
SPECIAL - RETAINING WALL, TIMBER LAGGING					
0848	613E41200	363.000	CY	\$71.65918	\$26,012.28
LOW STRENGTH MORTAR BACKFILL					

Total for Group 0024:\$1,629,841.80

### Group 0025: RETAINING WALLS (WALL T)

0849	203E35120	487.000	CY	\$47.40565	\$23,086.55
GRANULAR MATERIAL, TYPE C					
0850	509E10000	126,999.000	LB	\$2.00000	\$253,998.00
EPOXY COATED STEEL REINFORCEMENT					
0851	509E30020	15,914.000	FT	\$1.73282	\$27,576.10
NO. 4 DEFORMED GFRP REINFORCEMENT					
0852	511E46210	59.000	CY	\$980.25184	\$57,834.86
CLASS QC1 CONCRETE, RETAINING/WINGWALL INCLUDING FOOTING					
0853	511E53012	555.000	CY	\$800.00000	\$444,000.00
CLASS QC2 CONCRETE, MISC.: MOMENT SLAB AND BARRIER WITH QC/QA					
0854	512E10001	905.000	SY	\$24.00000	\$21,720.00
SEALING OF CONCRETE SURFACES, AS PER PLAN (PERMANENT GRAFFITI PROTECTION)					
0855	512E10101	1,902.000	SY	\$23.00000	\$43,746.00
SEALING OF CONCRETE SURFACES (EPOXY-URETHANE), AS PER PLAN					
0856	516E13600	989.000	SF	\$7.01809	\$6,940.89
1" PREFORMED EXPANSION JOINT FILLER					
0857	516E13900	5,364.000	SF	\$10.04663	\$53,890.12
2" PREFORMED EXPANSION JOINT FILLER					
0858	840E20000	13,557.000	SF	\$35.05272	\$475,209.73
MECHANICALLY STABILIZED EARTH WALL					
0859	840E21000	4,343.000	CY	\$14.78965	\$64,231.45
WALL EXCAVATION					
0860	840E22000	1,391.000	SY	\$25.52113	\$35,499.89
FOUNDATION PREPARATION					

Estimate:

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
<u>Description</u>					
<u>Supplemental Description</u>					
0861	840E23000	5,858.000	CY	\$53.34425	\$312,490.62
SELECT GRANULAR BACKFILL					
0862	840E25010	1,871.000	FT	\$4.87677	\$9,124.44
6" DRAINAGE PIPE, PERFORATED					
0863	840E25020	163.000	FT	\$15.30717	\$2,495.07
6" DRAINAGE PIPE, NON-PERFORATED					
0864	840E26000	888.000	FT	\$154.59108	\$137,276.88
CONCRETE COPING					
0865	840E26050	12,384.000	SF	\$1.22409	\$15,159.13
AESTHETIC SURFACE TREATMENT					
0866	840E27000	1.000	DAY	\$515.07903	\$515.08
ON-SITE ASSISTANCE					
0867	840E28000	1.000	LS	\$8,000.00000	\$8,000.00
SGB INSPECTION AND COMPACTION TESTING					

Total for Group 0025:\$1,992,794.81

### Group 0026: RETAINING WALLS (WALL Y)

0868	203E35120	239.000	CY	\$47.40565	\$11,329.95
GRANULAR MATERIAL, TYPE C					
0869	512E10001	370.000	SY	\$24.00000	\$8,880.00
SEALING OF CONCRETE SURFACES, AS PER PLAN (PERMANENT GRAFFITI PROTECTION)					
0870	512E10101	492.000	SY	\$23.00000	\$11,316.00
SEALING OF CONCRETE SURFACES (EPOXY-URETHANE), AS PER PLAN					
0871	516E13600	251.000	SF	\$7.01809	\$1,761.54
1" PREFORMED EXPANSION JOINT FILLER					
0872	607E23001	325.000	FT	\$35.00000	\$11,375.00
FENCE, TYPE CLT, AS PER PLAN					
0873	840E20000	5,681.000	SF	\$35.05272	\$199,134.50
MECHANICALLY STABILIZED EARTH WALL					
0874	840E21000	1,390.000	CY	\$14.78965	\$20,557.61
WALL EXCAVATION					
0875	840E22000	716.000	SY	\$25.52113	\$18,273.13
FOUNDATION PREPARATION					
0876	840E23000	2,377.000	CY	\$53.34425	\$126,799.28
SELECT GRANULAR BACKFILL					

Estimate:

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
<u>Description</u>					
<u>Supplemental Description</u>					
0877	840E23050	741.000	CY	\$37.10713	\$27,496.38
NATURAL SOIL					
0878	840E25010	827.000	FT	\$4.87677	\$4,033.09
6" DRAINAGE PIPE, PERFORATED					
0879	840E25020	151.000	FT	\$15.30717	\$2,311.38
6" DRAINAGE PIPE, NON-PERFORATED					
0880	840E26000	401.000	FT	\$154.59108	\$61,991.02
CONCRETE COPING					
0881	840E26050	5,483.000	SF	\$1.22409	\$6,711.69
AESTHETIC SURFACE TREATMENT					
0882	840E27000	1.000	DAY	\$515.07903	\$515.08
ON-SITE ASSISTANCE					
0883	840E28000	1.000	LS	\$8,000.00000	\$8,000.00
SGB INSPECTION AND COMPACTION TESTING					

Total for Group 0026:\$520,485.65

### Group 0027: RETAINING WALLS (WALL Z)

0884	203E35120	370.000	CY	\$47.40565	\$17,540.09
GRANULAR MATERIAL, TYPE C					
0885	509E10000	99,488.000	LB	\$2.00000	\$198,976.00
EPOXY COATED STEEL REINFORCEMENT					
0886	509E30020	6,162.000	FT	\$1.73282	\$10,677.64
NO. 4 DEFORMED GFRP REINFORCEMENT					
0887	511E53010	166.000	CY	\$430.00000	\$71,380.00
CLASS QC1 CONCRETE, MISC.: LOAD DISTRIBUTION SLAB WITH QC/QA					
0888	511E53012	257.000	CY	\$800.00000	\$205,600.00
CLASS QC2 CONCRETE, MISC.: MOMENT SLAB AND BARRIER WITH QC/QA					
0889	512E10001	423.000	SY	\$24.00000	\$10,152.00
SEALING OF CONCRETE SURFACES, AS PER PLAN (PERMANENT GRAFFITI PROTECTION)					
0890	512E10101	727.000	SY	\$23.00000	\$16,721.00
SEALING OF CONCRETE SURFACES (EPOXY-URETHANE), AS PER PLAN					
0891	516E13600	523.000	SF	\$7.01809	\$3,670.46
1" PREFORMED EXPANSION JOINT FILLER					
0892	516E13900	1,026.000	SF	\$10.04663	\$10,307.84
2" PREFORMED EXPANSION JOINT FILLER					

Estimate:

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
<u>Description</u>					
<u>Supplemental Description</u>					
0893	530E50020	416.000	FT	\$99.00000	\$41,184.00
SPECIAL - RETAINING WALL GRADE BEAM					
0894	530E51000	7,515.000	SF	\$30.00000	\$225,450.00
SPECIAL - RETAINING WALL, PRECAST WALL FACADE PANEL					
0895	840E20001	1,193.000	SF	\$45.00000	\$53,685.00
MECHANICALLY STABILIZED EARTH WALL, AS PER PLAN 2 STAGE MSE WALL					
0896	840E20001	4,964.000	SF	\$15.00000	\$74,460.00
MECHANICALLY STABILIZED EARTH WALL, AS PER PLAN WIRE FACED MSE WALL					
0897	840E21000	2,525.000	CY	\$14.78965	\$37,343.87
WALL EXCAVATION					
0898	840E22000	1,128.000	SY	\$25.52113	\$28,787.83
FOUNDATION PREPARATION					
0899	840E23000	6,486.000	CY	\$53.34425	\$345,990.81
SELECT GRANULAR BACKFILL					
0900	840E25010	825.000	FT	\$4.87677	\$4,023.34
6" DRAINAGE PIPE, PERFORATED					
0901	840E25020	38.000	FT	\$15.30717	\$581.67
6" DRAINAGE PIPE, NON-PERFORATED					
0902	840E26050	8,708.000	SF	\$1.22409	\$10,659.38
AESTHETIC SURFACE TREATMENT					
0903	840E27000	1.000	DAY	\$515.07903	\$515.08
ON-SITE ASSISTANCE					
0904	840E28000	1.000	LS	\$8,000.00000	\$8,000.00
SGB INSPECTION AND COMPACTION TESTING					

Total for Group 0027:\$1,375,706.01

**Group 0028: RETAINING WALLS (MOMENT SLAB MEDIAN BARRIER)**

0905	509E10000	96,627.000	LB	\$2.00000	\$193,254.00
EPOXY COATED STEEL REINFORCEMENT					
0906	511E53012	300.000	CY	\$500.00000	\$150,000.00
CLASS QC2 CONCRETE, MISC.: CONCRETE LOAD DISTRIBUTION SLAB WITH QC/QA					
0907	511E53012	370.000	CY	\$800.00000	\$296,000.00
CLASS QC2 CONCRETE, MISC.: CONCRETE MOMENT SLAB AND BARRIER WITH QC/QA					
0908	512E10100	464.000	SY	\$23.00000	\$10,672.00
SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)					



Estimate:

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
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Description  
Supplemental Description

Total for Group 0028:\$649,926.00

### Group 0029: RETAINING WALLS (MOMENT SLAB RAMP A3)

0909	509E10001	16,584.000	LB	\$2.50000	\$41,460.00
EPOXY COATED STEEL REINFORCEMENT, AS PER PLAN					
0910	509E30020	2,675.000	FT	\$1.73282	\$4,635.29
NO. 4 DEFORMED GFRP REINFORCEMENT					
0911	511E53012	116.000	CY	\$800.00000	\$92,800.00
CLASS QC2 CONCRETE, MISC.: CONCRETE MOMENT SLAB AND BARRIER WITH QC/QA					
0912	512E10100	155.000	SY	\$23.00000	\$3,565.00
SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)					

Total for Group 0029:\$142,460.29

### Group 0030: RETAINING WALLS (OVERHEAD SIGN TRUSS RAMP A2)

0913	503E11101	1.000	LS	\$315,000.00000	\$315,000.00
COFFERDAMS AND EXCAVATION BRACING, AS PER PLAN					
0914	503E21300	1.000	LS	\$50,000.00000	\$50,000.00
UNCLASSIFIED EXCAVATION					
0915	509E10000	10,594.000	LB	\$2.00000	\$21,188.00
EPOXY COATED STEEL REINFORCEMENT					
0916	511E42010	51.000	CY	\$1,500.00000	\$76,500.00
CLASS QC1 CONCRETE, PIER ABOVE FOOTINGS					
0917	511E46510	10.000	CY	\$930.39957	\$9,304.00
CLASS QC1 CONCRETE, FOOTING					
0918	512E10001	54.000	SY	\$24.00000	\$1,296.00
SEALING OF CONCRETE SURFACES, AS PER PLAN (PERMANENT GRAFFITI PROTECTION)					
0919	512E10101	147.000	SY	\$23.00000	\$3,381.00
SEALING OF CONCRETE SURFACES (EPOXY-URETHANE), AS PER PLAN					
0920	524E94601	80.000	FT	\$200.00000	\$16,000.00
DRILLED SHAFTS, 30" DIAMETER, AS PER PLAN					
0921	625E33000	1.000	EACH	\$8,421.41011	\$8,421.41
STRUCTURE GROUNDING SYSTEM					

Total for Group 0030:\$501,090.41

### Group 0031: RETAINING WALLS (OVERHEAD SIGN TRUSS RAMP B6)

Estimate:

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
0922	503E11101 COFFERDAMS AND EXCAVATION BRACING, AS PER PLAN	1.000	LS	\$25,000.00000	\$25,000.00
0923	503E21300 UNCLASSIFIED EXCAVATION	1.000	LS	\$5,000.00000	\$5,000.00
0924	509E10000 EPOXY COATED STEEL REINFORCEMENT	6,810.000	LB	\$2.00000	\$13,620.00
0925	511E42010 CLASS QC1 CONCRETE, PIER ABOVE FOOTINGS	10.000	CY	\$1,500.00000	\$15,000.00
0926	511E46510 CLASS QC1 CONCRETE, FOOTING	5.000	CY	\$930.39957	\$4,652.00
0927	512E10001 SEALING OF CONCRETE SURFACES, AS PER PLAN (PERMANENT GRAFFITI PROTECTION)	17.000	SY	\$24.00000	\$408.00
0928	512E10101 SEALING OF CONCRETE SURFACES (EPOXY-URETHANE), AS PER PLAN	17.000	SY	\$23.00000	\$391.00
0929	524E94601 DRILLED SHAFTS, 30" DIAMETER, AS PER PLAN	40.000	FT	\$200.00000	\$8,000.00
0930	625E33000 STRUCTURE GROUNDING SYSTEM	1.000	EACH	\$8,421.41011	\$8,421.41

Total for Group 0031:\$80,492.41

**Group 0032: STRUCTURE OVER 20 FOOT SPAN (CUY-77-1587 | SFN-1806910 | BRIDGE 9)**

0931	503E11101 COFFERDAMS AND EXCAVATION BRACING, AS PER PLAN	1.000	LS	\$1,000,000.00000	\$1,000,000.00
0932	503E21100 UNCLASSIFIED EXCAVATION	5,173.000	CY	\$46.72933	\$241,730.82
0933	505E11100 PILE DRIVING EQUIPMENT MOBILIZATION	1.000	LS	\$50,000.00000	\$50,000.00
0934	507E00500 12" CAST-IN-PLACE REINFORCED CONCRETE PILES, DRIVEN	6,435.000	FT	\$7.40115	\$47,626.40
0935	507E00550 12" CAST-IN-PLACE REINFORCED CONCRETE PILES, FURNISHED	6,735.000	FT	\$35.13898	\$236,661.03
0936	507E00600 14" CAST-IN-PLACE REINFORCED CONCRETE PILES, DRIVEN	13,760.000	FT	\$17.96158	\$247,151.34

Estimate:

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
<u>Description</u>					
<u>Supplemental Description</u>					
0937	507E00650	14,760.000	FT	\$72.37550	\$1,068,262.38
14" CAST-IN-PLACE REINFORCED CONCRETE PILES, FURNISHED					
0938	507E00700	16,970.000	FT	\$18.72991	\$317,846.57
16" CAST-IN-PLACE REINFORCED CONCRETE PILES, DRIVEN					
0939	507E00750	18,040.000	FT	\$113.63657	\$2,050,003.72
16" CAST-IN-PLACE REINFORCED CONCRETE PILES, FURNISHED					
0940	509E10000	2,300,060.000	LB	\$1.50000	\$3,450,090.00
EPOXY COATED STEEL REINFORCEMENT					
0941	509E30020	63,147.000	FT	\$1.73282	\$109,422.38
NO. 4 DEFORMED GFRP REINFORCEMENT					
0942	511E34446	3,826.000	CY	\$614.68393	\$2,351,780.72
CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK					
0943	511E34450	626.000	CY	\$874.05091	\$547,155.87
CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET)					
0944	511E41012	342.000	CY	\$903.22731	\$308,903.74
CLASS QC1 CONCRETE WITH QC/QA, PIER ABOVE FOOTINGS					
0945	511E44112	437.000	CY	\$530.64740	\$231,892.91
CLASS QC1 CONCRETE WITH QC/QA, ABUTMENT NOT INCLUDING FOOTING					
0946	511E45602	2,095.000	CY	\$1,000.00000	\$2,095,000.00
CLASS QC4 MASS CONCRETE, SUBSTRUCTURE WITH QC/QA					
0947	511E46512	1,460.000	CY	\$291.39891	\$425,442.41
CLASS QC1 CONCRETE WITH QC/QA, FOOTING					
0948	512E10001	622.000	SY	\$24.00000	\$14,928.00
SEALING OF CONCRETE SURFACES, AS PER PLAN (PERMANENT GRAFFITI PROTECTION)					
0949	512E10100	8,194.000	SY	\$23.00000	\$188,462.00
SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)					
0950	512E33000	56.000	SY	\$18.53440	\$1,037.93
TYPE 2 WATERPROOFING					
0951	513E10301	7,547,000.000	LB	\$3.00000	\$22,641,000.00
STRUCTURAL STEEL MEMBERS, LEVEL 5, AS PER PLAN					
0952	513E20000	32,600.000	EACH	\$4.93972	\$161,034.87
WELDED STUD SHEAR CONNECTORS					
0953	514E00060	391,000.000	SF	\$6.00000	\$2,346,000.00
FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT					

Estimate:

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
<u>Description</u>					
<u>Supplemental Description</u>					
0954	514E00066	391,000.000	SF	\$4.50000	\$1,759,500.00
FIELD PAINTING STRUCTURAL STEEL, FINISH COAT					
0955	516E10010	149.000	FT	\$63.79660	\$9,505.69
ARMORLESS PREFORMED JOINT SEAL					
0956	516E12400	209.000	FT	\$4,400.00000	\$919,600.00
SPECIAL - MODULAR EXPANSION JOINT					
0957	516E13900	168.000	SF	\$10.04663	\$1,687.83
2" PREFORMED EXPANSION JOINT FILLER					
0958	518E12301	16.000	EACH	\$2,700.00000	\$43,200.00
SCUPPERS, INCLUDING SUPPORTS, AS PER PLAN					
0959	518E21200	81.000	CY	\$85.43190	\$6,919.98
POROUS BACKFILL WITH GEOTEXTILE FABRIC					
0960	518E40000	214.000	FT	\$8.08865	\$1,730.97
6" PERFORATED CORRUGATED PLASTIC PIPE					
0961	523E20001	10.000	EACH	\$16,500.00000	\$165,000.00
DYNAMIC LOAD TESTING, AS PER PLAN					
0962	523E20501	10.000	EACH	\$2,500.00000	\$25,000.00
RESTRIKE, AS PER PLAN					
0963	524E94946	471.000	FT	\$1,000.00000	\$471,000.00
DRILLED SHAFTS, 72" DIAMETER, ABOVE BEDROCK					
0964	524E94988	352.000	FT	\$1,900.00000	\$668,800.00
DRILLED SHAFTS, 90" DIAMETER, ABOVE BEDROCK AS PER PLAN					
0965	524E95000	88.000	FT	\$3,000.00000	\$264,000.00
DRILLED SHAFTS, MISC.: 90" DIAMETER DEMONSTRATION SHAFT					
0966	524E95100	1.000	EACH	\$100,000.00000	\$100,000.00
DRILLED SHAFTS, MISC.: BI DIRECTIONAL TESTING OF DRILLED SHAFTS					
0967	524E95100	5.000	EACH	\$6,000.00000	\$30,000.00
DRILLED SHAFTS, MISC.: CSL TESTING, 90" DIA. SHAFT					
0968	524E95100	5.000	EACH	\$16,500.00000	\$82,500.00
DRILLED SHAFTS, MISC.: HIGH STRAIN DYNAMIC TESTING OF DRILLED SHAFTS					
0969	526E30010	483.000	SY	\$316.32033	\$152,782.72
REINFORCED CONCRETE APPROACH SLABS WITH QC/QA (T=17")					
0970	526E90030	149.000	FT	\$194.94458	\$29,046.74
TYPE C INSTALLATION					

Estimate:

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
0971	530E00200 SPECIAL - STRUCTURES PRECONSTRUCTION CONDITION SURVEY	1.000	LS	\$10,000.00000	\$10,000.00
0972	530E00200 SPECIAL - STRUCTURES VIBRATION MONITORING	1.000	LS	\$20,000.00000	\$20,000.00
0973	601E21001 CONCRETE SLOPE PROTECTION, AS PER PLAN	18.000	SY	\$70.00000	\$1,260.00
0974	855E00010 POST-TENSIONING STRAND TENDON	12,136.000	LB	\$33.00000	\$400,488.00
0975	869E00101 HIGH LOAD MULTI-ROTATIONAL (HLMR) BEARINGS, AS PER PLAN	188.000	EACH	\$10,000.00000	\$1,880,000.00
0976	894E10000 THERMAL INTEGRITY PROFILING (TIP) TEST	11.000	EACH	\$3,699.68238	\$40,696.51

Total for Group 0032:\$47,214,151.53

Group 0033: STRUCTURE OVER 20 FOOT SPAN (CUY-90-1653L | SFN-1807901 | BRIDGE 10)

0977	202E11003 STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN	1.000	LS	\$330,000.00000	\$330,000.00
0978	202E22900 APPROACH SLAB REMOVED	112.000	SY	\$40.00000	\$4,480.00
0979	202E32800 CONCRETE SLOPE PROTECTION REMOVED	300.000	SY	\$39.80542	\$11,941.63
0980	503E11101 COFFERDAMS AND EXCAVATION BRACING, AS PER PLAN	1.000	LS	\$200,000.00000	\$200,000.00
0981	503E21300 UNCLASSIFIED EXCAVATION	1.000	LS	\$15,000.00000	\$15,000.00
0982	505E11100 PILE DRIVING EQUIPMENT MOBILIZATION	1.000	LS	\$30,000.00000	\$30,000.00
0983	507E00500 12" CAST-IN-PLACE REINFORCED CONCRETE PILES, DRIVEN	5,770.000	FT	\$7.40115	\$42,704.64
0984	507E00550 12" CAST-IN-PLACE REINFORCED CONCRETE PILES, FURNISHED	6,095.000	FT	\$35.13898	\$214,172.08
0985	507E00600 14" CAST-IN-PLACE REINFORCED CONCRETE PILES, DRIVEN	3,135.000	FT	\$17.96158	\$56,309.55

Estimate:

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
<u>Description</u>					
<u>Supplemental Description</u>					
0986	507E00650	3,300.000	FT	\$72.37550	\$238,839.15
14" CAST-IN-PLACE REINFORCED CONCRETE PILES, FURNISHED					
0987	509E10000	228,033.000	LB	\$2.00000	\$456,066.00
EPOXY COATED STEEL REINFORCEMENT					
0988	509E30020	4,453.000	FT	\$1.73282	\$7,716.25
NO. 4 DEFORMED GFRP REINFORCEMENT					
0989	509E30040	4,606.000	FT	\$2.99830	\$13,810.17
NO. 6 DEFORMED GFRP REINFORCEMENT					
0990	511E33500	2.000	EACH	\$4,298.27826	\$8,596.56
SEMI-INTEGRAL DIAPHRAGM GUIDE					
0991	511E34446	606.000	CY	\$1,000.00000	\$606,000.00
CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK					
0992	511E34451	111.000	CY	\$1,100.00000	\$122,100.00
CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET), AS PER PLAN					
0993	511E41012	83.000	CY	\$1,000.00000	\$83,000.00
CLASS QC1 CONCRETE WITH QC/QA, PIER ABOVE FOOTINGS					
0994	511E44113	119.000	CY	\$825.00000	\$98,175.00
CLASS QC1 CONCRETE WITH QC/QA, ABUTMENT NOT INCLUDING FOOTING, AS PER PLAN					
0995	511E46512	235.000	CY	\$500.00000	\$117,500.00
CLASS QC1 CONCRETE WITH QC/QA, FOOTING					
0996	512E10001	240.000	SY	\$24.00000	\$5,760.00
SEALING OF CONCRETE SURFACES, AS PER PLAN (PERMANENT GRAFFITI PROTECTION)					
0997	512E10101	1,005.000	SY	\$23.00000	\$23,115.00
SEALING OF CONCRETE SURFACES (EPOXY-URETHANE), AS PER PLAN					
0998	512E33000	18.000	SY	\$18.53440	\$333.62
TYPE 2 WATERPROOFING					
0999	513E10280	548,500.000	LB	\$2.91982	\$1,601,521.27
STRUCTURAL STEEL MEMBERS, LEVEL 4					
1000	513E20000	5,760.000	EACH	\$4.93972	\$28,452.79
WELDED STUD SHEAR CONNECTORS					
1001	514E00060	29,332.000	SF	\$6.00000	\$175,992.00
FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT					
1002	514E00066	29,332.000	SF	\$4.50000	\$131,994.00
FIELD PAINTING STRUCTURAL STEEL, FINISH COAT					

Estimate:

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
<u>Description</u>					
<u>Supplemental Description</u>					
1003	516E10011	148.000	FT	\$60.00000	\$8,880.00
ARMORLESS PREFORMED JOINT SEAL, AS PER PLAN					
1004	516E13600	100.000	SF	\$7.01809	\$701.81
1" PREFORMED EXPANSION JOINT FILLER					
1005	516E13900	143.000	SF	\$10.04663	\$1,436.67
2" PREFORMED EXPANSION JOINT FILLER					
1006	516E14020	152.000	FT	\$35.00000	\$5,320.00
SEMI-INTEGRAL ABUTMENT EXPANSION JOINT SEAL					
1007	516E44201	16.000	EACH	\$2,500.00000	\$40,000.00
ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE ( NEOPRENE), AS PER PLAN (BEARING: 1'-2" x 1'-5" x 3 1/16", LOAD PLATE: 1'-3" x 1'-6" x 1 1/2" AND 1'-7" x 11" x 1 1/2")					
1008	516E44201	8.000	EACH	\$2,400.00000	\$19,200.00
ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE ( NEOPRENE), AS PER PLAN (BEARING: 1'-6" x 2'-0 1/2" x 3 3/8", BEVELED LOAD PLATE: 1'-7" x 2'-1 1/2")					
1009	518E21200	147.000	CY	\$85.43190	\$12,558.49
POROUS BACKFILL WITH GEOTEXTILE FABRIC					
1010	518E40000	197.000	FT	\$8.08865	\$1,593.46
6" PERFORATED CORRUGATED PLASTIC PIPE					
1011	518E40010	59.000	FT	\$18.00000	\$1,062.00
6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIAL S					
1012	523E20001	3.000	EACH	\$4,200.00000	\$12,600.00
DYNAMIC LOAD TESTING, AS PER PLAN					
1013	523E20501	3.000	EACH	\$2,500.00000	\$7,500.00
RESTRIKE, AS PER PLAN					
1014	526E30011	504.000	SY	\$310.00000	\$156,240.00
REINFORCED CONCRETE APPROACH SLABS WITH QC/QA (T=17"), AS PER PLAN					
1015	526E90031	152.000	FT	\$220.00000	\$33,440.00
TYPE C INSTALLATION, AS PER PLAN					
1016	601E21000	1,236.000	SY	\$66.46915	\$82,155.87
CONCRETE SLOPE PROTECTION					

Total for Group 0033:\$5,006,268.01

**Group 0034: STRUCTURE OVER 20 FOOT SPAN (CUY-90-1653R | SFN-1807804 | BRIDGE 11)**

1017	202E11003	1.000	LS	\$375,000.00000	\$375,000.00
STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN					

Estimate:

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
<u>Description</u>					
<u>Supplemental Description</u>					
1018	202E22900 APPROACH SLAB REMOVED	477.000	SY	\$40.00000	\$19,080.00
1019	202E32800 CONCRETE SLOPE PROTECTION REMOVED	2,410.000	SY	\$39.80542	\$95,931.06
1020	503E11101 COFFERDAMS AND EXCAVATION BRACING, AS PER PLAN	1.000	LS	\$150,000.00000	\$150,000.00
1021	503E21300 UNCLASSIFIED EXCAVATION	1.000	LS	\$65,000.00000	\$65,000.00
1022	505E11100 PILE DRIVING EQUIPMENT MOBILIZATION	1.000	LS	\$30,000.00000	\$30,000.00
1023	507E00500 12" CAST-IN-PLACE REINFORCED CONCRETE PILES, DRIVEN	4,655.000	FT	\$7.40115	\$34,452.35
1024	507E00550 12" CAST-IN-PLACE REINFORCED CONCRETE PILES, FURNISHED	4,900.000	FT	\$35.13898	\$172,181.00
1025	507E00600 14" CAST-IN-PLACE REINFORCED CONCRETE PILES, DRIVEN	3,200.000	FT	\$17.96158	\$57,477.06
1026	507E00650 14" CAST-IN-PLACE REINFORCED CONCRETE PILES, FURNISHED	3,360.000	FT	\$72.37550	\$243,181.68
1027	509E10000 EPOXY COATED STEEL REINFORCEMENT	183,054.000	LB	\$2.00000	\$366,108.00
1028	509E30020 NO. 4 DEFORMED GFRP REINFORCEMENT	4,410.000	FT	\$1.73282	\$7,641.74
1029	509E30040 NO. 6 DEFORMED GFRP REINFORCEMENT	4,604.000	FT	\$2.99830	\$13,804.17
1030	511E33500 SEMI-INTEGRAL DIAPHRAGM GUIDE	2.000	EACH	\$4,298.27826	\$8,596.56
1031	511E34446 CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK	505.000	CY	\$1,000.00000	\$505,000.00
1032	511E34451 CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET), AS PER PLAN	110.000	CY	\$1,100.00000	\$121,000.00
1033	511E41012 CLASS QC1 CONCRETE WITH QC/QA, PIER ABOVE FOOTINGS	60.000	CY	\$1,000.00000	\$60,000.00
1034	511E44112 CLASS QC1 CONCRETE WITH QC/QA, ABUTMENT NOT INCLUDING FOOTIN G	74.000	CY	\$825.00000	\$61,050.00



Estimate:

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
<u>Description</u>					
<u>Supplemental Description</u>					
1035	511E46512	165.000	CY	\$500.00000	\$82,500.00
CLASS QC1 CONCRETE WITH QC/QA, FOOTING					
1036	512E10001	160.000	SY	\$24.00000	\$3,840.00
SEALING OF CONCRETE SURFACES, AS PER PLAN (PERMANENT GRAFFITI PROTECTION)					
1037	512E10101	932.000	SY	\$23.00000	\$21,436.00
SEALING OF CONCRETE SURFACES (EPOXY-URETHANE), AS PER PLAN					
1038	512E33000	12.000	SY	\$18.53440	\$222.41
TYPE 2 WATERPROOFING					
1039	513E10280	449,300.000	LB	\$2.91982	\$1,311,875.13
STRUCTURAL STEEL MEMBERS, LEVEL 4					
1040	513E20000	4,620.000	EACH	\$4.93972	\$22,821.51
WELDED STUD SHEAR CONNECTORS					
1041	514E00060	25,014.000	SF	\$6.00000	\$150,084.00
FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT					
1042	514E00066	25,014.000	SF	\$4.50000	\$112,563.00
FIELD PAINTING STRUCTURAL STEEL, FINISH COAT					
1043	516E10011	130.000	FT	\$60.00000	\$7,800.00
ARMORLESS PREFORMED JOINT SEAL, AS PER PLAN					
1044	516E13600	181.000	SF	\$7.01809	\$1,270.27
1" PREFORMED EXPANSION JOINT FILLER					
1045	516E13900	130.000	SF	\$10.04663	\$1,306.06
2" PREFORMED EXPANSION JOINT FILLER					
1046	516E14000	10.000	SF	\$12.00000	\$120.00
PREFORMED EXPANSION JOINT FILLER, MISC.: 4" THICK					
1047	516E14020	128.000	FT	\$35.00000	\$4,480.00
SEMI-INTEGRAL ABUTMENT EXPANSION JOINT SEAL					
1048	516E44201	14.000	EACH	\$2,500.00000	\$35,000.00
ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE ( NEOPRENE), AS PER PLAN (BEARING: 1'-0 1/2" x 1'-5" x 3", LOAD PLATE: 1'-1 1/2" x 1'-6" x 1 1/2" AND 1'-7" x 11" x 1 1/2")					
1049	516E44201	7.000	EACH	\$2,400.00000	\$16,800.00
ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE ( NEOPRENE), AS PER PLAN (BEARING: 1'-5" x 2'-0 1/2" x 3 1/8", BEVELED LOAD PLATE: 1'-6" x 2'-1 1/2")					
1050	518E21200	98.000	CY	\$85.43190	\$8,372.33
POROUS BACKFILL WITH GEOTEXTILE FABRIC					
1051	518E40000	180.000	FT	\$8.08865	\$1,455.96
6" PERFORATED CORRUGATED PLASTIC PIPE					

Estimate:

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
<u>Description</u>					
<u>Supplemental Description</u>					
1052	518E40010	35.000	FT	\$18.00000	\$630.00
6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIAL S					
1053	523E20001	3.000	EACH	\$4,200.00000	\$12,600.00
DYNAMIC LOAD TESTING, AS PER PLAN					
1054	523E20501	3.000	EACH	\$2,500.00000	\$7,500.00
RESTRIKE, AS PER PLAN					
1055	526E30011	422.000	SY	\$310.00000	\$130,820.00
REINFORCED CONCRETE APPROACH SLABS WITH QC/QA (T=17"), AS PE R PLAN					
1056	526E90031	131.000	FT	\$220.00000	\$28,820.00
TYPE C INSTALLATION, AS PER PLAN					
1057	601E21000	972.000	SY	\$66.46915	\$64,608.01
CONCRETE SLOPE PROTECTION					
<b>Total for Group 0034:</b>					<b>\$4,412,428.30</b>

**Group 0035: STRUCTURE OVER 20 FOOT SPAN (CUY-90-1652S | SFN-1807806 | BRIDGE 12)**

1058	203E20001	566.000	CY	\$10.00000	\$5,660.00
EMBANKMENT, AS PER PLAN					
1059	204E30010	81.000	CY	\$87.52878	\$7,089.83
GRANULAR MATERIAL, TYPE B					
1060	204E50000	615.000	SY	\$2.51953	\$1,549.51
GEOTEXTILE FABRIC					
1061	503E11101	1.000	LS	\$30,000.00000	\$30,000.00
COFFERDAMS AND EXCAVATION BRACING, AS PER PLAN					
1062	503E21100	943.000	CY	\$46.72933	\$44,065.76
UNCLASSIFIED EXCAVATION					
1063	505E11100	1.000	LS	\$20,000.00000	\$20,000.00
PILE DRIVING EQUIPMENT MOBILIZATION					
1064	507E00500	4,120.000	FT	\$7.40115	\$30,492.74
12" CAST-IN-PLACE REINFORCED CONCRETE PILES, DRIVEN					
1065	507E00550	4,440.000	FT	\$35.13898	\$156,017.07
12" CAST-IN-PLACE REINFORCED CONCRETE PILES, FURNISHED					
1066	507E00700	3,330.000	FT	\$18.72991	\$62,370.60
16" CAST-IN-PLACE REINFORCED CONCRETE PILES, DRIVEN					

Estimate:

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
<u>Description</u>					
<u>Supplemental Description</u>					
1067	507E00750	3,540.000	FT	\$113.63657	\$402,273.46
16" CAST-IN-PLACE REINFORCED CONCRETE PILES, FURNISHED					
1068	509E10000	273,631.000	LB	\$2.00000	\$547,262.00
EPOXY COATED STEEL REINFORCEMENT					
1069	509E30020	18,062.000	FT	\$1.73282	\$31,298.19
NO. 4 DEFORMED GFRP REINFORCEMENT					
1070	511E33500	2.000	EACH	\$4,298.27826	\$8,596.56
SEMI-INTEGRAL DIAPHRAGM GUIDE					
1071	511E34446	572.000	CY	\$614.68393	\$351,599.21
CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK					
1072	511E34450	175.000	CY	\$874.05091	\$152,958.91
CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET)					
1073	511E41012	106.000	CY	\$903.22731	\$95,742.09
CLASS QC1 CONCRETE WITH QC/QA, PIER ABOVE FOOTINGS					
1074	511E44112	161.000	CY	\$530.64740	\$85,434.23
CLASS QC1 CONCRETE WITH QC/QA, ABUTMENT NOT INCLUDING FOOTIN G					
1075	511E46512	361.000	CY	\$291.39891	\$105,195.01
CLASS QC1 CONCRETE WITH QC/QA, FOOTING					
1076	511E53012	13.000	CY	\$800.00000	\$10,400.00
CLASS QC2 CONCRETE, MISC.: MOMENT SLAB AND RAILING WITH QC/QA					
1077	512E10001	149.000	SY	\$24.00000	\$3,576.00
SEALING OF CONCRETE SURFACES, AS PER PLAN (PERMANENT GRAFFITI PROTECTION)					
1078	512E10100	1,961.000	SY	\$23.00000	\$45,103.00
SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)					
1079	512E33000	35.000	SY	\$18.53440	\$648.70
TYPE 2 WATERPROOFING					
1080	513E10280	1,073,100.000	LB	\$2.91982	\$3,133,258.84
STRUCTURAL STEEL MEMBERS, LEVEL 4					
1081	513E20000	4,992.000	EACH	\$4.93972	\$24,659.08
WELDED STUD SHEAR CONNECTORS					
1082	514E00060	45,370.000	SF	\$6.00000	\$272,220.00
FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT					
1083	514E00066	45,370.000	SF	\$4.50000	\$204,165.00
FIELD PAINTING STRUCTURAL STEEL, FINISH COAT					

Estimate:

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
<u>Description</u>					
<u>Supplemental Description</u>					
1084	516E10011	71.000	FT	\$70.00000	\$4,970.00
ARMORLESS PREFORMED JOINT SEAL, AS PER PLAN					
1085	516E13600	17.000	SF	\$7.01809	\$119.31
1" PREFORMED EXPANSION JOINT FILLER					
1086	516E13900	304.000	SF	\$10.04663	\$3,054.18
2" PREFORMED EXPANSION JOINT FILLER					
1087	516E14020	132.000	FT	\$38.73319	\$5,112.78
SEMI-INTEGRAL ABUTMENT EXPANSION JOINT SEAL					
1088	518E20000	134.000	SY	\$20.00000	\$2,680.00
PREFABRICATED GEOCOMPOSITE DRAIN					
1089	518E21200	52.000	CY	\$85.43190	\$4,442.46
POROUS BACKFILL WITH GEOTEXTILE FABRIC					
1090	518E40000	167.000	FT	\$8.08865	\$1,350.80
6" PERFORATED CORRUGATED PLASTIC PIPE					
1091	518E40011	16.000	FT	\$12.64000	\$202.24
6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIAL S, AS PER PLAN					
1092	523E20001	4.000	EACH	\$5,000.00000	\$20,000.00
DYNAMIC LOAD TESTING, AS PER PLAN					
1093	523E20501	4.000	EACH	\$2,500.00000	\$10,000.00
RESTRICKE, AS PER PLAN					
1094	526E30011	223.000	SY	\$316.32000	\$70,539.36
REINFORCED CONCRETE APPROACH SLABS WITH QC/QA (T=17"), AS PE R PLAN					
1095	526E90031	70.000	FT	\$192.08000	\$13,445.60
TYPE C INSTALLATION, AS PER PLAN					
1096	601E21001	212.000	SY	\$70.00000	\$14,840.00
CONCRETE SLOPE PROTECTION, AS PER PLAN					
1097	840E23001	513.000	CY	\$60.00000	\$30,780.00
SELECT GRANULAR BACKFILL, AS PER PLAN					
1098	863E00100	2,276.000	SY	\$4.00664	\$9,119.11
GEOGRID, TYPE P1					
1099	869E00101	16.000	EACH	\$6,000.00000	\$96,000.00
HIGH LOAD MULTI-ROTATIONAL (HLMR) BEARINGS, AS PER PLAN					

Total for Group 0035:\$6,118,291.63

Estimate:

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
<u>Description</u>					
<u>Supplemental Description</u>					
<b>Group 0036: STRUCTURE OVER 20 FOOT SPAN (CUY-90-1678   SFN-1807839   BRIDGE 13)</b>					
1100	202E11203	1.000	LS	\$200,000.00000	\$200,000.00
PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN					
1101	202E11501	8.000	EACH	\$2,000.00000	\$16,000.00
PORTIONS OF STRUCTURE REMOVED, AS PER PLAN					
1102	202E22900	678.000	SY	\$40.00000	\$27,120.00
APPROACH SLAB REMOVED					
1103	503E11101	1.000	LS	\$657,000.00000	\$657,000.00
COFFERDAMS AND EXCAVATION BRACING, AS PER PLAN					
1104	503E21101	11,081.000	CY	\$60.00000	\$664,860.00
UNCLASSIFIED EXCAVATION, AS PER PLAN					
1105	505E11100	1.000	LS	\$30,000.00000	\$30,000.00
PILE DRIVING EQUIPMENT MOBILIZATION					
1106	506E11101	1.000	LS	\$100,000.00000	\$100,000.00
STATIC LOAD TEST, AS PER PLAN					
1107	507E00600	22,230.000	FT	\$17.96158	\$399,285.92
14" CAST-IN-PLACE REINFORCED CONCRETE PILES, DRIVEN					
1108	507E00650	24,040.000	FT	\$72.37550	\$1,739,907.02
14" CAST-IN-PLACE REINFORCED CONCRETE PILES, FURNISHED					
1109	507E00700	6,935.000	FT	\$18.72991	\$129,891.93
16" CAST-IN-PLACE REINFORCED CONCRETE PILES, DRIVEN					
1110	507E00750	7,300.000	FT	\$113.63657	\$829,546.96
16" CAST-IN-PLACE REINFORCED CONCRETE PILES, FURNISHED					
1111	509E10000	915,725.000	LB	\$2.00000	\$1,831,450.00
EPOXY COATED STEEL REINFORCEMENT					
1112	511E34447	910.000	CY	\$1,000.00000	\$910,000.00
CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK, AS PER PLAN					
1113	511E34451	259.000	CY	\$1,100.00000	\$284,900.00
CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET), AS PER PLAN					
1114	511E41012	129.000	CY	\$903.22731	\$116,516.32
CLASS QC1 CONCRETE WITH QC/QA, PIER ABOVE FOOTINGS					
1115	511E44112	1,696.000	CY	\$530.64740	\$899,977.99
CLASS QC1 CONCRETE WITH QC/QA, ABUTMENT NOT INCLUDING FOOTING					

Estimate:

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
<u>Description</u>					
<u>Supplemental Description</u>					
1116	511E46512	1,471.000	CY	\$291.39891	\$428,647.80
CLASS QC1 CONCRETE WITH QC/QA, FOOTING					
1117	511E51513	484.000	CY	\$425.00000	\$205,700.00
CLASS QC2 CONCRETE WITH QC/QA, SIDEWALK, AS PER PLAN					
1118	511E71200	13,047.000	SF	\$25.00000	\$326,175.00
CONCRETE, MISC.: ARCHITECTURAL TREATMENT, ABUTMENT					
1119	511E71200	1,532.000	SF	\$15.00000	\$22,980.00
CONCRETE, MISC.: ARCHITECTURAL TREATMENT, PLANTER AESTHETIC TREATMENT					
1120	511E71200	3,218.000	SF	\$10.00000	\$32,180.00
CONCRETE, MISC.: ARCHITECTURAL TREATMENT, PIER					
1121	511E71200	295.000	SF	\$20.00000	\$5,900.00
CONCRETE, MISC.: ARCHITECTURAL TREATMENT, RAILING LETTERING					
1122	512E10001	656.000	SY	\$24.00000	\$15,744.00
SEALING OF CONCRETE SURFACES, AS PER PLAN (PERMANENT GRAFFITI PROTECTION)					
1123	512E10050	3,848.000	SY	\$8.26887	\$31,818.61
SEALING OF CONCRETE SURFACES (NON-EPOXY)					
1124	512E10101	1,947.000	SY	\$23.00000	\$44,781.00
SEALING OF CONCRETE SURFACES (EPOXY-URETHANE), AS PER PLAN					
1125	512E33000	32.000	SY	\$18.53440	\$593.10
TYPE 2 WATERPROOFING					
1126	512E33010	1,727.000	SY	\$30.53755	\$52,738.35
TYPE 3 WATERPROOFING					
1127	513E10280	1,924,400.000	LB	\$2.91982	\$5,618,901.61
STRUCTURAL STEEL MEMBERS, LEVEL 4					
1128	513E20000	8,656.000	EACH	\$4.93972	\$42,758.22
WELDED STUD SHEAR CONNECTORS					
1129	514E00060	87,648.000	SF	\$6.00000	\$525,888.00
FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT					
1130	514E00067	87,648.000	SF	\$5.86000	\$513,617.28
FIELD PAINTING STRUCTURAL STEEL, FINISH COAT, AS PER PLAN					
1131	516E11210	251.000	FT	\$703.34752	\$176,540.23
STRUCTURAL EXPANSION JOINT INCLUDING ELASTOMERIC STRIP SEAL					
1132	516E13600	671.000	SF	\$7.01809	\$4,709.14
1" PREFORMED EXPANSION JOINT FILLER					

Estimate:

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
<u>Description</u>					
<u>Supplemental Description</u>					
1133	516E44101	14.000	EACH	\$2,500.00000	\$35,000.00
ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE ( NEOPRENE), AS PER PLAN (1'-8" W X 0'-10" L X 2.65" T)					
1134	516E44301	14.000	EACH	\$2,300.00000	\$32,200.00
ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE ( NEOPRENE), AS PER PLAN (1'-8" W X 1'-5" L X 4.09" T)					
1135	516E44401	14.000	EACH	\$3,000.00000	\$42,000.00
ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE ( NEOPRENE), AS PER PLAN (2'-5" W X 2'-2" L X 5.69" T)					
1136	518E12200	8.000	EACH	\$2,500.00000	\$20,000.00
SCUPPERS, INCLUDING SUPPORTS					
1137	518E21200	1,035.000	CY	\$85.43190	\$88,422.02
POROUS BACKFILL WITH GEOTEXTILE FABRIC					
1138	518E40000	697.000	FT	\$8.08865	\$5,637.79
6" PERFORATED CORRUGATED PLASTIC PIPE					
1139	518E40011	33.000	FT	\$12.64000	\$417.12
6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIAL S, AS PER PLAN					
1140	518E43301	304.000	FT	\$20.00000	\$6,080.00
6" PIPE DOWNSPOUT, INCLUDING SPECIALS, AS PER PLAN					
1141	518E62100	53.000	FT	\$25.00000	\$1,325.00
STRUCTURE DRAINAGE, MISC.: 4" NON-PERFORATED PVC PIPE, INCLUDING SPECIALS					
1142	518E62100	406.000	FT	\$20.00000	\$8,120.00
STRUCTURE DRAINAGE, MISC.: 4" PERFORATED PVC PIPE					
1143	518E62100	176.000	FT	\$25.00000	\$4,400.00
STRUCTURE DRAINAGE, MISC.: 6" NON-PERFORATED PVC DRAIN PIPE, INCLUDING SPECIALS					
1144	523E20001	4.000	EACH	\$5,000.00000	\$20,000.00
DYNAMIC LOAD TESTING, AS PER PLAN					
1145	523E20501	4.000	EACH	\$2,500.00000	\$10,000.00
RESTRIKE, AS PER PLAN					
1146	526E30010	788.000	SY	\$316.32033	\$249,260.42
REINFORCED CONCRETE APPROACH SLABS WITH QC/QA (T=17")					
1147	526E90010	244.000	FT	\$175.29508	\$42,772.00
TYPE A INSTALLATION					
1148	530E00200	1.000	LS	\$10,000.00000	\$10,000.00
SPECIAL - STRUCTURES PRECONSTRUCTION CONDITION SURVEY					
1149	530E00400	304.000	EACH	\$15.00000	\$4,560.00
SPECIAL - STRUCTURES BOLLARD ANCHORAGE					

Estimate:

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
<u>Description</u>					
<u>Supplemental Description</u>					
1150	530E14000	1.000	LS	\$20,000.00000	\$20,000.00
SPECIAL - STRUCTURAL SURVEY AND MONITORING OF VIBRATION					
1151	601E21000	1,092.000	SY	\$66.46915	\$72,584.31
CONCRETE SLOPE PROTECTION					
1152	607E39911	319.000	FT	\$160.00000	\$51,040.00
VANDAL PROTECTION FENCE, 8' STRAIGHT, COATED FABRIC, AS PER PLAN					
1153	625E10615	28.000	EACH	\$120.00000	\$3,360.00
LIGHT POLE ANCHOR BOLTS ON STRUCTURE, AS PER PLAN					
1154	625E25920	268.000	FT	\$35.00000	\$9,380.00
CONDUIT, MISC.: 12" GAS CONDUIT INSTALLATION					
1155	625E25920	2,144.000	FT	\$35.00000	\$75,040.00
CONDUIT, MISC.: AT&T 4" CONDUIT INSTALLATION					
1156	625E25920	3,216.000	FT	\$35.00000	\$112,560.00
CONDUIT, MISC.: CEI 4" CONDUIT INSTALLATION					
1157	625E25920	2,412.000	FT	\$35.00000	\$84,420.00
CONDUIT, MISC.: CPP 4" CONDUIT INSTALLATION					
1158	625E98000	24.000	EACH	\$35.00000	\$840.00
LIGHTING, MISC.: PEDESTRIAN POLE ANCHORAGE					
1159	690E50600	76.000	EACH	\$35.00000	\$2,660.00
SPECIAL - BOLLARD					
1160	690E98000	29.000	EACH	\$500.00000	\$14,500.00
SPECIAL - ROLLER SUPPORTS (GAS LINE)					
1161	690E98000	29.000	EACH	\$500.00000	\$14,500.00
SPECIAL - UTILITY SUPPORTS (AT&T DUCTS)					
1162	690E98000	29.000	EACH	\$500.00000	\$14,500.00
SPECIAL - UTILITY SUPPORTS (CEI DUCTS)					
1163	690E98000	29.000	EACH	\$500.00000	\$14,500.00
SPECIAL - UTILITY SUPPORTS (CPP DUCTS)					
1164	690E98000	27.000	EACH	\$500.00000	\$13,500.00
SPECIAL - UTILITY SUPPORTS (WATER LINE)					

Total for Group 0036:\$17,969,707.14

Group 0037: STRUCTURE OVER 20 FOOT SPAN (CUY-90-1696 | SFN-1807898 | BRIDGE 14)



Estimate:

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
<u>Description</u>					
<u>Supplemental Description</u>					
1165	202E11003	1.000	LS	\$400,000.00000	\$400,000.00
STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN					
1166	503E21101	10,842.000	CY	\$60.00000	\$650,520.00
UNCLASSIFIED EXCAVATION, AS PER PLAN					
1167	505E11100	1.000	LS	\$30,000.00000	\$30,000.00
PILE DRIVING EQUIPMENT MOBILIZATION					
1168	506E11101	1.000	LS	\$100,000.00000	\$100,000.00
STATIC LOAD TEST, AS PER PLAN					
1169	507E00400	490.000	FT	\$164.00000	\$80,360.00
STEEL PILES, MISC.: SOLIDER PILES HP16x101					
1170	507E00700	19,735.000	FT	\$18.72991	\$369,634.77
16" CAST-IN-PLACE REINFORCED CONCRETE PILES, DRIVEN					
1171	507E00750	20,910.000	FT	\$113.63657	\$2,376,140.68
16" CAST-IN-PLACE REINFORCED CONCRETE PILES, FURNISHED					
1172	509E10000	838,525.000	LB	\$2.00000	\$1,677,050.00
EPOXY COATED STEEL REINFORCEMENT					
1173	510E10000	800.000	EACH	\$30.00000	\$24,000.00
DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT					
1174	511E34447	1,320.000	CY	\$1,000.00000	\$1,320,000.00
CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK, AS PER PLAN					
1175	511E34451	137.000	CY	\$1,100.00000	\$150,700.00
CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET), AS PER PLAN					
1176	511E42012	307.000	CY	\$1,072.05065	\$329,119.55
CLASS QC1 CONCRETE WITH QC/QA, PIER ABOVE FOOTINGS					
1177	511E44112	835.000	CY	\$784.00000	\$654,640.00
CLASS QC1 CONCRETE WITH QC/QA, ABUTMENT NOT INCLUDING FOOTING					
1178	511E45602	794.000	CY	\$765.00000	\$607,410.00
CLASS QC4 MASS CONCRETE, SUBSTRUCTURE WITH QC/QA					
1179	511E46512	738.000	CY	\$400.00000	\$295,200.00
CLASS QC1 CONCRETE WITH QC/QA, FOOTING					
1180	511E51513	242.000	CY	\$425.00000	\$102,850.00
CLASS QC2 CONCRETE WITH QC/QA, SIDEWALK, AS PER PLAN					
1181	511E53010	243.000	CY	\$750.00000	\$182,250.00
CLASS QC1 CONCRETE, MISC.: CONCRETE FACING					

Estimate:

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
<u>Description</u>					
<u>Supplemental Description</u>					
1182	511E71200	13,986.000	SF	\$25.00000	\$349,650.00
CONCRETE, MISC.: ARCHITECTURAL TREATMENT, ABUTMENT					
1183	511E71200	5,945.000	SF	\$10.00000	\$59,450.00
CONCRETE, MISC.: ARCHITECTURAL TREATMENT, PIER					
1184	511E71200	2,851.000	SF	\$15.00000	\$42,765.00
CONCRETE, MISC.: ARCHITECTURAL TREATMENT, RAILING					
1185	512E10001	688.000	SY	\$24.00000	\$16,512.00
SEALING OF CONCRETE SURFACES, AS PER PLAN (PERMANENT GRAFFITI PROTECTION)					
1186	512E10050	2,142.000	SY	\$8.26887	\$17,711.92
SEALING OF CONCRETE SURFACES (NON-EPOXY)					
1187	512E10101	2,563.000	SY	\$23.00000	\$58,949.00
SEALING OF CONCRETE SURFACES (EPOXY-URETHANE), AS PER PLAN					
1188	513E10201	13,000.000	LB	\$15.15000	\$196,950.00
STRUCTURAL STEEL MEMBERS, LEVEL UF, AS PER PLAN (SOLDIER PILE STRUT AND WALER)					
1189	513E10280	4,419,100.000	LB	\$2.91982	\$12,902,976.56
STRUCTURAL STEEL MEMBERS, LEVEL 4					
1190	513E20000	8,872.000	EACH	\$4.93972	\$43,825.20
WELDED STUD SHEAR CONNECTORS					
1191	514E00060	157,200.000	SF	\$6.00000	\$943,200.00
FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT					
1192	514E00067	157,200.000	SF	\$5.86000	\$921,192.00
FIELD PAINTING STRUCTURAL STEEL, FINISH COAT, AS PER PLAN					
1193	516E11210	145.000	FT	\$703.34752	\$101,985.39
STRUCTURAL EXPANSION JOINT INCLUDING ELASTOMERIC STRIP SEAL					
1194	516E12400	173.000	FT	\$2,000.00000	\$346,000.00
SPECIAL - MODULAR EXPANSION JOINT					
1195	516E42000	130.000	EACH	\$27.00000	\$3,510.00
ELASTOMERIC BEARING PAD, MISC.: 6" x 9" x 3/8" THICK					
1196	518E12200	8.000	EACH	\$2,500.00000	\$20,000.00
SCUPPERS, INCLUDING SUPPORTS					
1197	518E20000	888.000	SY	\$20.00000	\$17,760.00
PREFABRICATED GEOCOMPOSITE DRAIN					
1198	518E21200	618.000	CY	\$85.43190	\$52,796.91
POROUS BACKFILL WITH GEOTEXTILE FABRIC					

Estimate:

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
<u>Description</u>					
<u>Supplemental Description</u>					
1199	518E40000	907.000	FT	\$8.08865	\$7,336.41
6" PERFORATED CORRUGATED PLASTIC PIPE					
1200	518E40010	658.000	FT	\$10.98001	\$7,224.85
6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIAL S					
1201	518E43300	185.000	FT	\$20.00000	\$3,700.00
6" PIPE DOWNSPOUT, INCLUDING SPECIALS					
1202	523E20001	4.000	EACH	\$5,000.00000	\$20,000.00
DYNAMIC LOAD TESTING, AS PER PLAN					
1203	523E20501	2.000	EACH	\$2,500.00000	\$5,000.00
RESTRIKE, AS PER PLAN					
1204	524E94803	238.000	FT	\$200.00000	\$47,600.00
DRILLED SHAFTS, 42" DIAMETER, ABOVE BEDROCK, AS PER PLAN					
1205	524E94901	4,750.000	FT	\$860.00000	\$4,085,000.00
DRILLED SHAFTS, 48" DIAMETER, AS PER PLAN					
1206	524E95100	2.000	EACH	\$15,000.00000	\$30,000.00
DRILLED SHAFTS, MISC.: 48" DIAMETER, THROUGH OBSTRUCTIONS					
1207	524E95100	2.000	EACH	\$100,000.00000	\$200,000.00
DRILLED SHAFTS, MISC.: BI DIRECTIONAL TESTING OF DRILLED SHAFTS					
1208	524E95100	1.000	EACH	\$85,000.00000	\$85,000.00
DRILLED SHAFTS, MISC.: DEMONSTRATION DRILLED SHAFT					
1209	524E95100	3.000	EACH	\$16,500.00000	\$49,500.00
DRILLED SHAFTS, MISC.: HIGH STRAIN DYNAMIC TESTING OF DRILLED SHAFTS					
1210	526E30010	592.000	SY	\$316.32033	\$187,261.64
REINFORCED CONCRETE APPROACH SLABS WITH QC/QA (T=17")					
1211	530E00200	1.000	LS	\$10,000.00000	\$10,000.00
SPECIAL - STRUCTURES PRECONSTRUCTION CONDITION SURVEY					
1212	530E00200	1.000	LS	\$20,000.00000	\$20,000.00
SPECIAL - STRUCTURES VIBRATION MONITORING					
1213	530E00600	1,349.000	SF	\$32.00000	\$43,168.00
SPECIAL - STRUCTURES PERMANENT SHORING PRECAST CONCRETE LAGGING					
1214	530E00600	1,680.000	SF	\$21.00000	\$35,280.00
SPECIAL - STRUCTURES PERMANENT SHORING TIMBER LAGGING					
1215	607E39910	1,180.000	FT	\$160.00000	\$188,800.00
VANDAL PROTECTION FENCE, 8' STRAIGHT, COATED FABRIC					

Estimate:

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
1216	625E25920 CONDUIT, MISC.: 12" GAS CONDUIT INSTALLATION	478.000	FT	\$35.00000	\$16,730.00
1217	625E25920 CONDUIT, MISC.: AT&T 4" CONDUIT INSTALLATION	2,863.000	FT	\$35.00000	\$100,205.00
1218	625E25920 CONDUIT, MISC.: CEI 4" CONDUIT INSTALLATION	5,726.000	FT	\$35.00000	\$200,410.00
1219	625E25920 CONDUIT, MISC.: CPP 4" CONDUIT INSTALLATION	5,726.000	FT	\$35.00000	\$200,410.00
1220	690E98000 SPECIAL - ROLLER SUPPORTS (GAS LINE)	29.000	EACH	\$500.00000	\$14,500.00
1221	690E98000 SPECIAL - UTILITY SUPPORTS (AT&T DUCTS)	29.000	EACH	\$500.00000	\$14,500.00
1222	690E98000 SPECIAL - UTILITY SUPPORTS (CEI DUCTS)	29.000	EACH	\$500.00000	\$14,500.00
1223	690E98000 SPECIAL - UTILITY SUPPORTS (CPP DUCTS)	29.000	EACH	\$500.00000	\$14,500.00
1224	690E98000 SPECIAL - UTILITY SUPPORTS (WATER LINE)	31.000	EACH	\$500.00000	\$15,500.00
1225	866E00101 GROUND ANCHOR, AS PER PLAN 159 KIP MAX LOAD TEST (SOLIDER PILE AND LAGGING WALL)	14.000	EACH	\$20,000.00000	\$280,000.00
1226	866E00101 GROUND ANCHOR, AS PER PLAN 159 KIP MAX LOAD TEST (TANGENT WALL)	100.000	EACH	\$20,000.00000	\$2,000,000.00
1227	866E00400 PERFORMANCE TEST	6.000	EACH	\$10,000.00000	\$60,000.00
1228	866E00500 EXTENDED CREEP TEST	6.000	EACH	\$10,000.00000	\$60,000.00
1229	869E00100 HIGH LOAD MULTI-ROTATIONAL (HLMR) BEARINGS	30.000	EACH	\$6,000.00000	\$180,000.00
1230	894E10000 THERMAL INTEGRITY PROFILING (TIP) TEST	1.000	EACH	\$9,458.00000	\$9,458.00

Total for Group 0037:\$33,650,692.88

Group 0038: STRUCTURE OVER 20 FOOT SPAN (CUY-90-1640 | SFN-1807773 | BRIDGE E5)

Estimate:

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
1231	202E11203	1.000	LS	\$500,000.00000	\$500,000.00
PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLA N					
1232	202E22900	620.000	SY	\$40.00000	\$24,800.00
APPROACH SLAB REMOVED					
1233	503E11101	1.000	LS	\$400,000.00000	\$400,000.00
COFFERDAMS AND EXCAVATION BRACING, AS PER PLAN					
Total for Group 0038:\$924,800.00					

**Group 0039: STRUCTURE OVER 20 FOOT SPAN (CUY-77-1593L | SFN-1806939 | BRIDGE E6)**

1234	202E11203	1.000	LS	\$120,000.00000	\$120,000.00
PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLA N					
1235	202E22900	255.000	SY	\$40.00000	\$10,200.00
APPROACH SLAB REMOVED					
Total for Group 0039:\$130,200.00					

**Group 0040: STRUCTURE OVER 20 FOOT SPAN (CUY-E14th-0002SN | SFN-1806912 | BRIDGE E10)**

1236	202E11203	1.000	LS	\$90,000.00000	\$90,000.00
PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLA N					
1237	202E22900	134.000	SY	\$40.00000	\$5,360.00
APPROACH SLAB REMOVED					
Total for Group 0040:\$95,360.00					

**Group 0041: MAINTENANCE OF TRAFFIC**

1238	614E11110	5,000.000	HOUR	\$99.09809	\$495,490.45
LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE					
1239	614E11630	10,555.000	FT	\$1.25358	\$13,231.54
INCREASED BARRIER DELINEATION					
1240	614E12380	45.000	EACH	\$2,235.55575	\$100,600.01
WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (UNIDIRECTION AL)					
1241	614E12420	1.000	LS	\$350,000.00000	\$350,000.00
DETOUR SIGNING					
1242	614E12484	62.000	EACH	\$183.75733	\$11,392.95
WORK ZONE INCREASED PENALTIES SIGN					

Estimate:

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
<u>Description</u>					
<u>Supplemental Description</u>					
1243	614E12500 REPLACEMENT SIGN	26.000	EACH	\$201.53568	\$5,239.93
1244	614E12600 REPLACEMENT DRUM	250.000	EACH	\$45.92910	\$11,482.28
1245	614E12756 WORK ZONE CROSSOVER LIGHTING SYSTEM	6.000	EACH	\$36,265.43361	\$217,592.60
1246	614E12801 WORK ZONE RAISED PAVEMENT MARKER, AS PER PLAN	3,895.000	EACH	\$12.00000	\$46,740.00
1247	614E13310 BARRIER REFLECTOR, TYPE 1 (ONE WAY)	1,256.000	EACH	\$10.25968	\$12,886.16
1248	614E13350 OBJECT MARKER, ONE WAY	1,113.000	EACH	\$16.74734	\$18,639.79
1249	614E13360 OBJECT MARKER, TWO WAY	42.000	EACH	\$23.30408	\$978.77
1250	614E18000 MAINTAINING TRAFFIC, MISC.: PARTIAL TEMPORARY TRAFFIC SIGNAL	3.000	EACH	\$20,000.00000	\$60,000.00
1251	614E18000 MAINTAINING TRAFFIC, MISC.: TEMPORARY TRAFFIC SIGNAL	1.000	EACH	\$40,000.00000	\$40,000.00
1252	614E18601 PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN	200.000	SNMT	\$750.00000	\$150,000.00
1253	614E20000 WORK ZONE LANE LINE, CLASS I, 4"	1.540	MILE	\$752.47760	\$1,158.82
1254	614E20010 WORK ZONE LANE LINE, CLASS I, 6"	8.750	MILE	\$705.74036	\$6,175.23
1255	614E21000 WORK ZONE CENTER LINE, CLASS I	2.530	MILE	\$1,739.35351	\$4,400.56
1256	614E22000 WORK ZONE EDGE LINE, CLASS I, 4"	3.790	MILE	\$1,245.18245	\$4,719.24
1257	614E22010 WORK ZONE EDGE LINE, CLASS I, 6"	22.550	MILE	\$848.37325	\$19,130.82
1258	614E23000 WORK ZONE CHANNELIZING LINE, CLASS I, 8"	3,279.000	FT	\$0.94799	\$3,108.46
1259	614E23010 WORK ZONE CHANNELIZING LINE, CLASS I, 12"	43,436.000	FT	\$1.12179	\$48,726.07

Estimate:

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
<u>Description</u>					
<u>Supplemental Description</u>					
1260	614E24000	18,165.000	FT	\$0.60136	\$10,923.70
WORK ZONE DOTTED LINE, CLASS I					
1261	614E25000	731.000	FT	\$3.71063	\$2,712.47
WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I					
1262	614E26000	881.000	FT	\$3.69028	\$3,251.14
WORK ZONE STOP LINE, CLASS I					
1263	614E27010	832.000	FT	\$2.20377	\$1,833.54
WORK ZONE CROSSWALK LINE, CLASS I, 12"					
1264	614E30000	116.000	EACH	\$79.79104	\$9,255.76
WORK ZONE ARROW, CLASS I					
1265	614E31000	2.000	EACH	\$200.00000	\$400.00
WORK ZONE WORD ON PAVEMENT, 72", CLASS I					
1266	614E98200	5.000	EACH	\$200.00000	\$1,000.00
WORK ZONE PAVEMENT MARKING, MISC.: SHARED LANE MARKING					
1267	615E10000	1.000	LS	\$350,000.00000	\$350,000.00
ROADS FOR MAINTAINING TRAFFIC					
1268	615E20000	30,133.000	SY	\$50.46196	\$1,520,570.24
PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A					
1269	829E00100	64.000	SNMT	\$1,500.00000	\$96,000.00
WORK ZONE EGRESS WARNING SYSTEM					
1270	896E00010	648.000	SNMT	\$600.00000	\$388,800.00
PORTABLE NON-INTRUSIVE TRAFFIC SENSOR, CLASS I					
1271	896E00020	216.000	SNMT	\$750.00000	\$162,000.00
PORTABLE CHANGEABLE MESSAGE SIGN					

Total for Group 0041:\$4,168,440.53

### Group 0042: INCIDENTALS

1272	614E11000	1.000	LS	\$2,000,000.00000	\$2,000,000.00
MAINTAINING TRAFFIC					
1273	619E16010	72.000	MNTH	\$2,735.00000	\$196,920.00
FIELD OFFICE, TYPE B					
1274	623E10000	1.000	LS	\$25,000.00000	\$25,000.00
CONSTRUCTION LAYOUT STAKES AND SURVEYING					
1275	624E10000	1.000	LS	\$2,000,000.00000	\$2,000,000.00
MOBILIZATION					

Estimate:

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
<u>Description</u>					
<u>Supplemental Description</u>					

Total for Group 0042:\$4,221,920.00



# CY 2024-2028 Business Plan Inflation Calculator:

[Not sure if you have the latest calculator? Click here.](#)

Last Modified: 1/26/2024

Today's Date:  
May 17, 2024

Please Enter Values in the Yellow Areas Only:

**Estimation Start Date:**

Less than or Equal to Today's Date  
(mm/dd/yyyy)

5/17/2024

Start Date:

**Enter Construction Mid-Point Date:**

(cannot exceed 05/17/2049)  
(mm/dd/yyyy)

4/1/2028

Construction Mid-Point Date:

**Present-Day Estimated Cost:**

\$1.00

Estimated Dollar Amount:

**Estimate Start Date to Construction Mid-Point Date:**

47

Months

**Inflation - Start to Mid-Point of Construction:**

(compounded growth rate)

**Inflated Dollar Amount:**

**Business Plan**

22.0%

\$1.22

**Estimator's Name:**

**County - Route - Section:**

CUY-90-16.28

**PID:**

82382

**Estimator's Notes:**