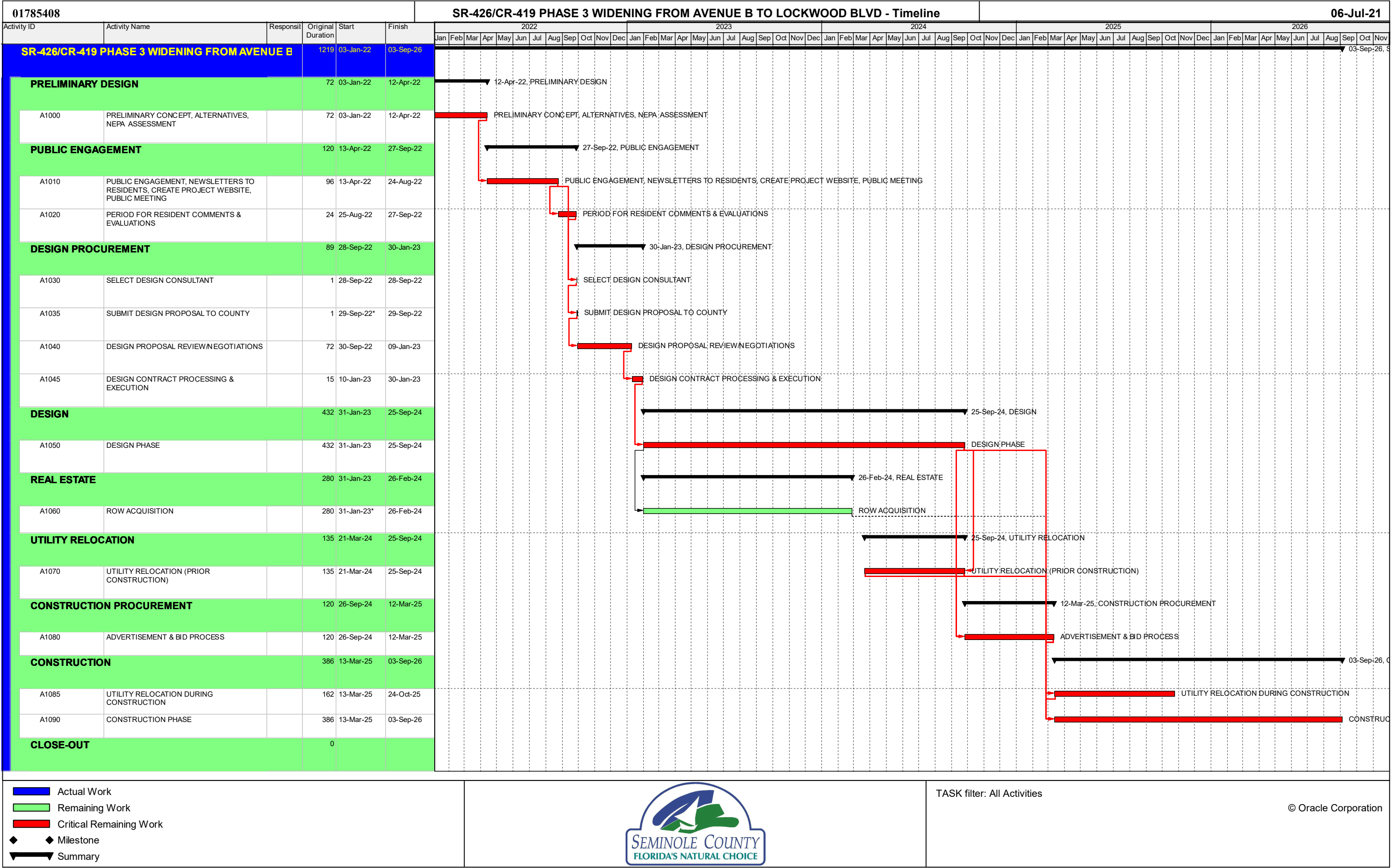




SR-426/CR-419 Widening Phase III - CapEx Expenditures

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SR 426/CR 419 WIDENING PHASE III FROM AVENUE B TO LOCKWOOD BOULEVARD

OPERATION & MAINTANCE COST (O&M)
Mill & Resurface 1-Lane Mile Every 10 yrs

PREPARED BY SEMINOLE COUNTY

ITEM	QUANTITY	UNIT	UNIT PRICE	TOTAL
** ROADWAY RESURFACING **				
Assume predominately 4 lane mainline RESURFACING 12' LANE	6.00	LnMi	\$118,525	\$711,150

SUB-TOTAL \$711,150
 MAINTENANCE OF TRAFFIC (10%) \$71,115

SUB-TOTAL \$782,265
 MOBILIZATION (10%) \$78,227

SUB-TOTAL \$860,492
 CONTINGENCY (20%) \$172,098

TOTAL (2019 CONSTRUCTION COST) (EVERY 10 YR O&M COST) \$1,032,590
(EVERY 20 YR O&M COST) \$2,065,180

SUMMARY

SR 426/CR 419 WIDENING PHASE III FROM AVENUE B TO LOCKWOOD BOULEVARD

SEMINOLE COUNTY

June 17, 2021

PROJECT COST ESTIMATE

Prepared by Seminole County Engineering

DESCRIPTION	TOTAL COSTS
Roadway & Drainage	\$12,241,880
Signing	\$316,662
Lighting	\$1,360,761
Signalization (Lockwood Blvd & Evans St)	\$772,960
TOTAL CONSTRUCTION COST (2021)	\$17,630,715
TOTAL CONSTRUCTION COST (2019)**	\$16,319,025
Engineering (6.5% of Construction)	\$1,145,996
CEI (8.8% of Construction)*	\$1,410,457
ROW COST	\$1,881,000
TOTAL PROJECT COST (2019)	\$20,756,478

ESTIMATE BASIS AND ASSUMPTIONS:

1. **Estimate is computed in 2021 US Dollars and is converted to 2019 US Dollars based on inflation studies by FDOT for transportation projects (Enclosed with Estimate). Inflation factors for 2020 and 2021 2.6% per year.
1. Estimate is based on design from adjacent project (SR 426 Widening Phase II, CIP 00205206) as this project is an extension of the Phase II project. Currently this Phase II project is in the bidding phase with plans dated February 2021.
2. The estimate prices are based on FDOT Prices by D5 estimating staff and current FDOT state average prices. Includes 20% contingency.
3. Estimate assumes Design Fee is a % of Construction cost based on FDOT guidelines and experience with adjacent project.
4. * Estimate assumes CEI cost is a % of Construction cost based on FDOT work program guidelines FY 2021-25 to program funds.

SR 426/CR 419 WIDENING PHASE III FROM AVENUE B TO LOCKWOOD BOULEVARD

SEMINOLE COUNTY

June 17, 2021

PROJECT COST ESTIMATE

Prepared by Seminole County Engineering

Category	Item Number	Description	Unit	Quantity	Price	Total
Roadway & Drainage						
0200 Roadway	0101 1	MOBILIZATION	LS	1.00	\$1,500,000.00	\$1,500,000.00
0200 Roadway	0102 1	MAINTENANCE OF TRAFFIC	DA	490.00	\$1,600.00	\$784,000.00
0200 Roadway	0102 2 200	SPECIAL DETOUR	LS	1.00	\$10,000.00	\$10,000.00
0200 Roadway	0102 4	PED SPECIAL DETOUR	LS	1.00	\$5,000.00	\$5,000.00
0200 Roadway	0102 14	TRAFFIC CONTROL OFFICER	HR	900.00	\$60.00	\$54,000.00
0200 Roadway	0102 60	WORK ZONE SIGN	ED	69,430.00	\$0.20	\$13,886.00
0200 Roadway	0102 61	BUSINESS SIGN	ED	31.00	\$44.00	\$1,364.00
0200 Roadway	0102 71 13	TEMP BARRIER, F&I, LOW PROFILE, CONCRETE	LF	529.20	\$30.00	\$15,876.00
0200 Roadway	0102 71 15	TEMP BARRIER, F&I, ANCHORED	LF	108.00	\$100.00	\$10,800.00
0200 Roadway	0102 71 25	TEMP BARRIER, RELOCATE, ANCHORED	LF	108.00	\$12.00	\$1,296.00
0200 Roadway	0102 74 1	CHANNELIZING DEVICE- TYPES I, II, DI, VP, DRUM, OR LCD	ED	203,289.00	\$0.12	\$24,394.68
0200 Roadway	0102 74 8	CHANNELIZING DEVICE- PEDESTRIAN LCD (LONGITUDINAL CHANNELIZING DEVICE)	ED	1,217,566.00	\$0.07	\$85,229.62
0200 Roadway	0102 76	ARROW BOARD/ ADVANCED WARNING ARROW PANEL	ED	1,277.00	\$6.00	\$7,662.00
0200 Roadway	0102 78	TEMP RAISED/RPM	ED	1,945.00	\$3.50	\$6,807.50
0200 Roadway	0102 89 1	TEMP CRASH CUSHION, REDIRECTIVE OPTION	LO	4.00	\$1,100.00	\$4,400.00
0200 Roadway	0102 99	PORTABLE CHANGEABLE MESSAGE SIGN, TEMPORARY	ED	181.00	\$10.00	\$1,810.00
0200 Roadway	0102 104	TEMP SIGNALIZATION & MAINTENANCE INTERSECTION	ED	2,700.00	\$12.50	\$33,750.00
0200 Roadway	0102 107 1	TEMPORARY TRAFFIC & MAINTENANCE INTERSECTION	ED	2,880.00	\$11.00	\$31,680.00
0200 Roadway	0102 115	TYPE III BARRICADE	ED	32,000.00	\$0.35	\$11,200.00
0200 Roadway	0104 10 3	SEDIMENT BARRIER	LF	20,125.80	\$1.35	\$27,169.83
0200 Roadway	0104 12	STAKED TURBIDITY BARRIER- NYLON REINFORCED PVC	LF	1,260.36	\$4.50	\$5,671.62
0200 Roadway	0104 15	SOIL TRACKING PREVENTION DEVICE	EA	6.00	\$2,400.00	\$14,400.00
0200 Roadway	0104 18	INLET PROTECTION SYSTEM	EA	85.00	\$95.00	\$8,075.00
0200 Roadway	0107 1	LITTER REMOVAL	AC	274.78	\$40.00	\$10,991.38

Category	Item Number	Description	Unit	Quantity	Price	Total
0200 Roadway	0107 2	MOWING	AC	156.33	\$60.00	\$9,379.80
0200 Roadway	0110 1 1	CLEARING & GRUBBING	AC	23.87	\$15,000.00	\$358,090.91
0200 Roadway	0110 4 10	REMOVAL OF EXISTING CONCRETE	SY	9,756.72	\$20.00	\$195,134.40
0200 Roadway	0110 7 1	MAILBOX, F&I SINGLE	EA	4.00	\$145.00	\$580.00
0200 Roadway	0120 1	REGULAR EXCAVATION	CY	80,953.56	\$6.50	\$526,198.14
0200 Roadway	0120 4	SUBSOIL EXCAVATION	CY	6,842.88	\$11.50	\$78,693.12
0200 Roadway	0120 6	EMBANKMENT	CY	39,238.52	\$13.00	\$510,100.76
0200 Roadway	0160 4	TYPE B STABILIZATION	SY	64,769.34	\$4.50	\$291,462.03
0200 Roadway	285701	OPTIONAL BASE, BASE GROUP 1	SY	15,070.32	\$11.00	\$165,773.52
0200 Roadway	285709	OPTIONAL BASE, BASE GROUP 09	SY	36,467.28	\$19.00	\$692,878.32
0200 Roadway	285710	OPTIONAL BASE, BASE GROUP 10	SY	14,550.64	\$20.00	\$291,012.80
0200 Roadway	285711	OPTIONAL BASE, BASE GROUP 11	SY	20,527.56	\$23.00	\$472,133.88
0200 Roadway	0327 70 6	MILLING EXIST ASPH PAVT, 1 1/2" AVG DEPTH	SY	6,003.72	\$2.75	\$16,510.23
0200 Roadway	0334 1 13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	TN	5,899.28	\$106.00	\$625,324.10
0200 Roadway	0337 7 83	ASPHALT CONCRETE FRICTION COURSE, TRAFFIC C, FC-12.5, PG 76-22	TN	6,451.72	\$122.00	\$787,109.84
0200 Roadway	0425 1311	INLETS, CURB, TYPE P-1, <10'	EA	1.00	\$5,000.00	\$5,000.00
0200 Roadway	0425 1351	INLETS, CURB, TYPE P-5, <10'	EA	35.00	\$4,900.00	\$171,500.00
0200 Roadway	0425 1352	INLETS, CURB, TYPE P-5, >10'	EA	3.00	\$5,500.00	\$16,500.00
0200 Roadway	0425 1361	INLETS, CURB, TYPE P-6, <10'	EA	11.00	\$5,850.00	\$64,350.00
0200 Roadway	0425 1451	INLETS, CURB, TYPE J-5, <10'	EA	5.00	\$6,200.00	\$31,000.00
0200 Roadway	0425 1452	INLETS, CURB, TYPE J-5, >10'	EA	8.00	\$8,800.00	\$70,400.00
0200 Roadway	0425 1461	INLETS, CURB, TYPE J-6, <10'	EA	2.00	\$8,000.00	\$16,000.00
0200 Roadway	0425 1462	INLETS, CURB, TYPE J-6, >10'	EA	1.00	\$9,900.00	\$9,900.00
0200 Roadway	0425 1521	INLETS, DT BOT, TYPE C, <10'	EA	4.00	\$3,050.00	\$12,200.00
0200 Roadway	0425 1531	INLETS, DITCH BOTTOM, TYPE C MODIFIED- BACK OF SIDEWALK, <10'	EA	3.00	\$3,000.00	\$9,000.00
0200 Roadway	0425 1532	INLETS, DITCH BOTTOM, TYPE C MODIFIED- BACK OF SIDEWALK, >10'	EA	1.00	\$7,600.00	\$7,600.00
0200 Roadway	0425 1549	INLETS, DT BOT, TYPE D, MODIFY	EA	2.00	\$5,400.00	\$10,800.00
0200 Roadway	0425 1910	INLETS, CLOSED FLUME, MODIFY	EA	2.00	\$3,900.00	\$7,800.00
0200 Roadway	0425 2 61	MANHOLES, P-8, <10'	EA	13.00	\$3,500.00	\$45,500.00
0200 Roadway	0425 2 62	MANHOLES, P-8, >10'	EA	7.00	\$4,500.00	\$31,500.00

Category	Item Number	Description	Unit	Quantity	Price	Total
0200 Roadway	0425 2 63	MANHOLES, P-8, PARTIAL	EA	3.00	\$2,500.00	\$7,500.00
0200 Roadway	0425 2 91	MANHOLES, J-8, <10'	EA	8.00	\$6,000.00	\$48,000.00
0200 Roadway	0425 2 92	MANHOLES, J-8, >10'	EA	3.00	\$7,800.00	\$23,400.00
0200 Roadway	430174118	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 18"SD	LF	45.36	\$75.00	\$3,402.00
0200 Roadway	430174124	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 24"SD	LF	85.32	\$82.00	\$6,996.24
0200 Roadway	430175115	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 15"S/CD	LF	8.64	\$110.00	\$950.40
0200 Roadway	430175118	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 18"S/CD	LF	3,999.24	\$70.00	\$279,946.80
0200 Roadway	430175124	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 24"S/CD	LF	4,261.20	\$80.00	\$340,896.00
0200 Roadway	430175218	PIPE CULVERT,OPTIONAL MATERIAL, OTHER SHAPE, ELLIP/ARCH 18"SD	LF	64.80	\$100.00	\$6,480.00
0200 Roadway	430175130	PIPE CULVERT, OPT MATERIAL, ROUND, 30"S/CD	LF	1,886.76	\$120.00	\$226,411.20
0200 Roadway	430175136	PIPE CULVERT, OPT MATERIAL, ROUND, 36"S/CD	LF	764.64	\$140.00	\$107,049.60
0200 Roadway	430175142	PIPE CULVERT, OPT MATERIAL, ROUND, 42"S/CD	LF	1,165.32	\$170.00	\$198,104.40
0200 Roadway	430175148	PIPE CULVERT, OPT MATERIAL, ROUND, 48"S/CD	LF	160.92	\$230.00	\$37,011.60
0200 Roadway	430175160	PIPE CULVERT, OPT MATERIAL, ROUND, 60"S/CD	LF	915.84	\$310.00	\$283,910.40
0200 Roadway	0430175224	PIPE CULVERT,OPTIONAL MATERIAL,OTHER SHAPE- ELIP/ARCH, 24"S/CD	LF	776.52	\$95.00	\$73,769.40
0200 Roadway	0430530100	STRAIGHT CONCRETE ENDWALLS, 30", SINGLE, 0 DEGREES, ROUND	EA	1.00	\$4,700.00	\$4,700.00
0200 Roadway	0430530200	STRAIGHT CONCRETE ENDWALLS, 30", DOUBLE, 0 DEGREES, ROUND	EA	2.00	\$5,900.00	\$11,800.00
0200 Roadway	430982125	MITERED END SECTION, OPTIONAL ROUND, 18" CD	EA	4.00	\$1,175.00	\$4,700.00
0200 Roadway	430982129	MITERED END SECTION, OPTIONAL ROUND, 24" CD	EA	2.00	\$1,400.00	\$2,800.00
0200 Roadway	430982140	MITERED END SECTION, OPTIONAL ROUND, 42" CD	EA	1.00	\$3,450.00	\$3,450.00
0200 Roadway	430982141	MITERED END SECTION, OPTIONAL ROUND, 48" CD	EA	1.00	\$5,000.00	\$5,000.00
0200 Roadway	430982629	MITERED END SECTION, OPTIONAL - ELLIPTICAL /ARCH, 24" CD	EA	1.00	\$1,650.00	\$1,650.00
0200 Roadway	430984125	MITERED END SECTION, OPTIONAL ROUND, 18" SD	EA	2.00	\$1,150.00	\$2,300.00
0200 Roadway	430984129	MITERED END SECTION, OPTIONAL ROUND, 24" SD	EA	2.00	\$1,400.00	\$2,800.00
0200 Roadway	430984129	MITERED END SECTION, OPTIONAL ROUND, 24" SD	EA	2.00	\$1,400.00	\$2,800.00
0200 Roadway	430984625	MITERED END SECTION, OPTIONAL ELLIP/ARCH, 18" SD	EA	2.00	\$1,500.00	\$3,000.00
0200 Roadway	0515 1 1	PIPE HANDRAIL - GUIDERAIL, STEEL	LF	1,600.56	\$50.00	\$80,028.00
0200 Roadway	0515 2 211	PEDESTRIAN BICYCLE PIPE RAILING, STEEL, 42" TYPE 1	LF	106.92	\$85.00	\$9,088.20
0200 Roadway	0520 1 7	CONCRETE CURB & GUTTER, TYPE E	LF	11,507.40	\$20.00	\$230,148.00
0200 Roadway	0520 1 10	CONCRETE CURB & GUTTER,TYPE F	LF	17,457.04	\$20.00	\$349,140.80

Category	Item Number	Description	Unit	Quantity	Price	Total
0200 Roadway	0520 2 1	CONCRETE CURB, TYPE A	LF	672.84	\$30.00	\$20,185.20
0200 Roadway	0520 2 4	CONCRETE CURB, TYPE D	LF	203.04	\$27.00	\$5,482.08
0200 Roadway	0520 3	VALLEY GUTTER- CONCRETE	LF	234.36	\$26.50	\$6,210.54
0200 Roadway	0520 5 11	TRAFFIC SEPARATOR CONCRETE-TYPE I, 4' WIDE	LF	967.68	\$40.00	\$38,707.20
0200 Roadway	0520 70	CONCRETE TRAFFIC SEPARATOR, SPECIAL-VARIABLE WIDTH	SY	217.08	\$70.00	\$15,195.60
0200 Roadway	0522 1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	8,709.62	\$38.00	\$330,965.56
0200 Roadway	0522 2	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	SY	2,442.96	\$48.00	\$117,262.08
0200 Roadway	0523 1	PATTERNED PAVEMENT, VEHICULAR AREAS	SY	4,692.60	\$95.00	\$445,797.00
0200 Roadway	0523 2	PATTERNED PAVEMENT, NON-VEHICULAR AREAS	SY	197.64	\$80.00	\$15,811.20
0200 Roadway	0526 1 2	CONCRETE DITCH PAVEMENT, NON REINFORCED, 4"	SY	7.56	\$65.00	\$491.40
0200 Roadway	0524 1 2	PAVERS, ARCHITECTURAL, SIDEWALK	SY	3,837.24	\$90.00	\$345,351.60
0200 Roadway	0527 2	DETECTABLE WARNINGS	SF	1,063.80	\$27.00	\$28,722.60
0200 Roadway	0530 3 4	RIPRAP, RUBBLE, F&I, DITCH LINING	TN	73.12	\$110.00	\$8,042.76
0200 Roadway	0550 10222	FENCING, TYPE B, 5.1-6.0, W/VINYL COATING	LF	1,140.48	\$17.00	\$19,388.16
0200 Roadway	0550 60234	FENCE GATE, TYPE B, SLIDING/CANTILEVER, 18.1- 20.0' OPENING	EA	1.00	\$2,100.00	\$2,100.00
0200 Roadway	0570 1 1	PERFORMANCE TURF	SY	2,085.48	\$2.00	\$4,170.96
0200 Roadway	0570 1 2	PERFORMANCE TURF, SOD	SY	51,710.40	\$2.50	\$129,276.00
0200 Roadway	0590 70	IRRIGATION SYSTEM	LS	1.00	\$100,000.00	\$100,000.00
0200 Roadway	0710 11 101	PAINTED MARKINGS, STANDARD, WHITE, SOLID, 6"	GM	8.77	\$1,100.00	\$9,650.12
0200 Roadway	0710 11 123	PAINTED MARKINGS, STANDARD, WHITE, SOLID FOR CROSSWALK AND ROUNDABOUT 12"	LF	5,909.76	\$0.86	\$5,082.39
0200 Roadway	0710 11 125	PAINTED MARKINGS, STANDARD, WHITE, SOLID FOR CROSSWALK AND ROUNDABOUT 24"	LF	4,071.60	\$1.32	\$5,374.51
0200 Roadway	0710 11 131	PAINTED MARKINGS, STANDARD, WHITE, SKIP, 10-30 OR 3-9 SKIP, 6"	GM	0.06	\$460.00	\$26.83
0200 Roadway	0710 11 141	PAINTED MARKINGS, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 DOTTED EXTENSION, 6" OR 3-9 SKIP, 6"	GM	0.60	\$550.00	\$329.08
0200 Roadway	0710 11 160	PAINTED MARKINGS, STANDARD, WHITE, MESSAGE OR SYMBOL	EA	10.80	\$60.00	\$648.00
0200 Roadway	0710 11 170	PAINTED MARKINGS, STANDARD, WHITE, ARROWS	EA	218.16	\$32.00	\$6,981.12
0200 Roadway	0710 11 201	PAINTED MARKINGS, STANDARD, YELLOW, SOLID, 6"	GM	10.24	\$1,100.00	\$11,258.68
0200 Roadway	0710 11 224	PAINTED MARKINGS, STANDARD, YELLOW, SOLID FOR DIAGONAL OR CHEVRON, 6"	LF	1,787.40	\$1.23	\$2,198.50
0200 Roadway	0710 11 231	PAINTED MARKINGS, STANDARD, YELLOW, SKIP, 6"	GM	2.12	\$455.00	\$965.11
0200 Roadway	0710 11 241	PAINTED MARKINGS, STANDARD, YELLOW, 2-4 DOTTED GUIDELINE/ 6-10 DOTTED EXTENSION, 6"	GM	0.60	\$630.00	\$376.94

Category	Item Number	Description	Unit	Quantity	Price	Total
0200 Roadway	0751 37	TRASH RECEPTACLE	EA	3.00	\$2,300.00	\$6,900.00
0200 Roadway	0751 38 14	BENCH, F&I, STEEL	EA	7.00	\$400.00	\$2,800.00
					SUB-TOTAL	\$12,241,879.74
Signing						
0300 Signing	0654 2 21	RECTANGULAR RAPID FLASHING BEACON, FURNISH & INSTALL- SOLAR POWERED, COMPLETE SIGN ASSEMBLY- SINGLE DIRECTION	AS	4.32	\$7,800.00	\$33,696.00
0300 Signing	0700 1 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	103.00	\$350.00	\$36,050.00
0300 Signing	0700 1 12	SINGLE POST SIGN, F&I GROUND MOUNT, 12-20 SF	AS	41.00	\$1,000.00	\$41,000.00
0300 Signing	0700 1 50	SINGLE POST SIGN, RELOCATE	AS	4.00	\$200.00	\$800.00
0300 Signing	0700 1 60	SINGLE POST SIGN, REMOVE	AS	100.00	\$25.00	\$2,500.00
0300 Signing	0700 2 11	MULTI- POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	1.00	\$3,000.00	\$3,000.00
0300 Signing	0700 2 12	MULTI- POST SIGN, F&I GROUND MOUNT, 12-20 SF	AS	2.00	\$3,200.00	\$6,400.00
0300 Signing	0700 2 14	MULTI- POST SIGN, F&I GROUND MOUNT, 31-50 SF	AS	2.00	\$4,900.00	\$9,800.00
0300 Signing	0700 3501	SIGN PANEL, RELOCATE, UP TO 12 SF	EA	28.00	\$90.00	\$2,520.00
0300 Signing	0705 10 1	OBJECT MARKER, TYPE 1	EA	7.00	\$140.00	\$980.00
0300 Signing	0705 10 4	OBJECT MARKER, TYPE 4	EA	11.00	\$150.00	\$1,650.00
0300 Signing	0705 11 1	DELINEATOR, FLEXIBLE TUBULAR	EA	19.00	\$75.00	\$1,425.00
0300 Signing	0710 90	PAINTED PAVEMENT MARKINGS, FINAL SURFACE	LS	1.00	\$30,000.00	\$30,000.00
0300 Signing	0711 11123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	1,965.60	\$2.00	\$3,931.20
0300 Signing	0711 11124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONALS AND CHEVRONS	LF	866.16	\$3.00	\$2,598.48
0300 Signing	0711 11125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	1,175.04	\$4.00	\$4,700.16
0300 Signing	0711 11141	THERMOPLASTIC, STANDARD, WHITE, 2-4, DOTTED GUIDELINE/ 6-10 GAP EXTENSION, 6"	GM	1.12	\$1,850.00	\$2,065.93
0300 Signing	0711 11160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL	EA	14.00	\$125.00	\$1,750.00
0300 Signing	0711 11170	THERMOPLASTIC, STANDARD, WHITE, ARROW	EA	114.00	\$60.00	\$6,840.00
0300 Signing	0711 11224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRON	LF	383.40	\$3.00	\$1,150.20
0300 Signing	0711 11241	THERMOPLASTIC, STANDARD, YELLOW, 2-4 DOTTED GUIDE LINE /6-10 DOTTED EXTENSION LINE, 6"	GM	0.24	\$1,850.00	\$441.56
0300 Signing	0711 14123	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 12" FOR CROSSWALK	LF	4,538.16	\$8.50	\$38,574.36
0300 Signing	0711 14125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24" FOR CROSSWALK	LF	2,423.52	\$15.00	\$36,352.80
0300 Signing	0711 14160	THERMOPLASTIC, PREFORMED, WHITE, MESSAGE	EA	25.00	\$225.00	\$5,625.00

Category	Item Number	Description	Unit	Quantity	Price	Total
0300 Signing	0711 14170	THERMOPLASTIC, PREFORMED, WHITE, ARROW	EA	25.00	\$110.00	\$2,750.00
0300 Signing	0711 16101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	5.11	\$4,000.00	\$20,437.92
0300 Signing	0711 16102	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 8"	GM	0.34	\$5,250.00	\$1,803.06
0300 Signing	0711 16131	THERMOPLASTIC, OTHER SURFACES, WHITE, SKIP, 6",10-30 SKIP OR 3-9 LANE DROP	GM	2.16	\$1,250.00	\$2,702.70
0300 Signing	0711 16201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM	3.75	\$4,000.00	\$15,016.32
0300 Signing	0711 16202	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 8"	GM	0.02	\$5,500.00	\$100.98
					SUB-TOTAL	\$316,661.67
Lighting						
0400 Lighting	0630 2 11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	10,876.68	\$6.50	\$70,698.42
0400 Lighting	0635 2 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	166.00	\$740.00	\$122,840.00
0400 Lighting	0639 1121	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER PURCHASED BY POWER COMPANY	AS	1.00	\$2,000.00	\$2,000.00
0400 Lighting	0639 2 1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	LF	108.00	\$4.50	\$486.00
0400 Lighting	0639 3 11	ELECTRICAL SERVICE DISCONNECT, F&I, POLE MOUNT	EA	1.00	\$900.00	\$900.00
0400 Lighting	0715 1 12	LIGHTING CONDUCTORS, F&I, INSULATED, NO.8 - 6	LF	52,008.48	\$1.35	\$70,211.45
0400 Lighting	0715 7 11	LOAD CENTER, F&I, SECONDARY VOLTAGE	EA	1.00	\$12,850.00	\$12,850.00
0400 Lighting	0715500 1	POLE CABLE DISTRIBUTION SYSTEM, FURNISH AND INSTALL, CONVENTIONAL	EA	127.00	\$525.00	\$66,675.00
0400 Lighting	715511320	LIGHT POLE COMPLETE-SPECIAL DESIGN, F&I, SINGLE ARM SHOULDER MOUNT, CONCRETE, 20'	EA	62.00	\$8,000.00	\$496,000.00
0400 Lighting	715511325	LIGHT POLE COMPLETE-SPECIAL DESIGN, F&I, SINGLE ARM SHOULDER MOUNT, CONCRETE, 25'	EA	12.00	\$8,300.00	\$99,600.00
0400 Lighting	715511330	LIGHT POLE COMPLETE-SPECIAL DESIGN, F&I,SINGLE ARM SHOULDER MOUNT, CONCRETE, 30'	EA	45.00	\$9,300.00	\$418,500.00
					SUB-TOTAL	\$1,360,760.87
Signalization (Lockwood Blvd & Evans St)						
0500 Signalization	0630 2 11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	4,008.80	\$6.50	\$26,057.20
0500 Signalization	0630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	1,603.20	\$20.00	\$32,064.00
0500 Signalization	0632 7 1	SIGNAL CABLE- NEW OR RECONSTRUCTED INTERSECTION, FURNISH & INSTALL	PI	0.80	\$5,000.00	\$4,000.00
0500 Signalization	0633 1121	FIBER OPTIC CABLE, F&I, UNDERGROUND,2-12 FIBERS	LF	152.00	\$2.00	\$304.00
0500 Signalization	0633 1123	FIBER OPTIC CABLE, F&I, UNDERGROUND,49-96 FIBERS	LF	5,267.20	\$2.80	\$14,748.16
0500 Signalization	0633 2 31	FIBER OPTIC CONNECTION, INSTALL, SPLICE	EA	135.00	\$42.00	\$5,670.00
0500 Signalization	0633 2 32	FIBER OPTIC CONNECTION, INSTALL, TERMINATION	EA	24.00	\$85.00	\$2,040.00
0500 Signalization	0633 3 11	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE ENCLOSURE	EA	5.00	\$820.00	\$4,100.00

Category	Item Number	Description	Unit	Quantity	Price	Total
0500 Signalization	0633 3 12	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE TRAY	EA	16.00	\$58.00	\$928.00
0500 Signalization	0633 3 13	FIBER OPTIC CONNECTION HARDWARE, F&I, PRETERMINATED CONNECTOR ASSEMBLY	EA	2.00	\$56.00	\$112.00
0500 Signalization	0633 3 15	FIBER OPTIC CONNECTION HARDWARE, F&I, PRETERMINATED PATCH PANEL	EA	2.00	\$1,550.00	\$3,100.00
0500 Signalization	0635 2 11	PULL & SPLICE BOX, F&I, 13"x 24" COVER SIZE	EA	34.00	\$740.00	\$25,160.00
0500 Signalization	0635 2 12	PULL & SPLICE BOX, F&I, 24" X 36" COVER SIZE	EA	15.00	\$1,200.00	\$18,000.00
0500 Signalization	0635 2 13	PULL & SPLICE BOX, F&I, 30"x 60" RECTANGULAR OR 36" ROUND COVER SIZE	EA	3.00	\$2,500.00	\$7,500.00
0500 Signalization	0639 1122	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER PURCHASED BY CONTRACTOR	AS	1.20	\$1,800.00	\$2,160.00
0500 Signalization	0639 2 1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	LF	120.00	\$4.25	\$510.00
0500 Signalization	0641 2 11	PRESTRESSED CONCRETE POLE, F&I, TYPE P-II PEDESTAL	EA	1.20	\$975.00	\$1,170.00
0500 Signalization	0641 2 60	PRESTRESSED CONCRETE POLE, COMPLETE POLE REMOVAL- PEDESTAL/SERVICE POLE	EA	1.00	\$300.00	\$300.00
0500 Signalization	0641 2 70	PRESTRESSED CONCRETE POLE, SHALLOW POLE REMOVAL- POLE 30' AND GREATER	EA	1.00	\$3,000.00	\$3,000.00
0500 Signalization	0646 1 11	ALUMINUM SIGNALS POLE, PEDESTAL	EA	9.00	\$1,000.00	\$9,000.00
0500 Signalization	0646 1 60	ALUMINUM SIGNALS POLE, REMOVE	EA	2.00	\$185.00	\$370.00
0500 Signalization	0649 21 3	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 40'	EA	1.00	\$40,000.00	\$40,000.00
0500 Signalization	0649 21 6	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 50'	EA	1.00	\$42,000.00	\$42,000.00
0500 Signalization	0649 21 10	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 60'	EA	5.00	\$48,000.00	\$240,000.00

Category	Item Number	Description	Unit	Quantity	Price	Total
0500 Signalization	0649 26 3	STEEL MAST ARM ASSEMBLY, REMOVE, SHALLOW FOUNDATION-BOLT ON ATTACHMENT	EA	1.00	\$3,300.00	\$3,300.00
0500 Signalization	0649 26 5	STEEL MAST ARM ASSEMBLY, REMOVE, DEEP FOUNDATION- BOLT ON ATTACHMENT	EA	2.00	\$4,500.00	\$9,000.00
0500 Signalization	0650 1 14	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 3 SECTION, 1 WAY	AS	15.20	\$950.00	\$14,440.00
0500 Signalization	0650 1 16	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 4 SECTION, 1 WAY	AS	4.40	\$1,200.00	\$5,280.00
0500 Signalization	0650 1 19	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 5 SECTION CLUSTER, 1 WAY	AS	0.80	\$1,450.00	\$1,160.00
0500 Signalization	0653 1 11	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY	AS	14.40	\$575.00	\$8,280.00
0500 Signalization	0660 1109	LOOP DETECTOR INDUCTIVE, F&I, TYPE 9	EA	10.00	\$225.00	\$2,250.00
0500 Signalization	0660 1110	LOOP DETECTOR INDUCTIVE, F&I, TYPE 10	EA	1.00	\$300.00	\$300.00
0500 Signalization	0660 2102	LOOP ASSEMBLY, F&I, TYPE B	AS	10.00	\$750.00	\$7,500.00
0500 Signalization	0660 2106	LOOP ASSEMBLY, F&I, TYPE F	AS	22.00	\$885.00	\$19,470.00
0500 Signalization	0663 1111	SIGNAL PRIORITY AND PREEMPTION SYSTEM, F&I, OPTICAL, CABINET ELECTRONICS	EA	6.00	\$5,300.00	\$31,800.00
0500 Signalization	0663 1112	SIGNAL PRIORITY AND PREEMPTION SYSTEM, F&I, OPTICAL, DETECTOR	EA	6.00	\$1,600.00	\$9,600.00
0500 Signalization	0663 1121	SIGNAL PRIORITY AND PREEMPTION SYSTEM, FURNISH AND INSTALL, GPS, REPLACE CABINET ELECTRONICS	EA	8.00	\$5,800.00	\$46,400.00
0500 Signalization	0663 1122	SIGNAL PRIORITY AND PREEMPTION SYSTEM, FURNISH AND INSTALL, GPS, DETECTOR	EA	8.00	\$4,800.00	\$38,400.00
0500 Signalization	0663 1400	SIGNAL PRIORITY & PREEMPTION SYSTEM, RELOCATE	EA	1.00	\$850.00	\$850.00
0500 Signalization	0665 1 11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	16.00	\$245.00	\$3,920.00
0500 Signalization	0665 1 60	PEDESTRIAN DETECTOR, REMOVE- POLE/PEDESTAL TO REMAIN	EA	1.00	\$42.00	\$42.00
0500 Signalization	0670 5111	TRAFFIC CONTROLLER ASSEMBLY, F&I, NEMA, 1 PREEMPTION	AS	1.00	\$45,000.00	\$45,000.00
0500 Signalization	0670 5400	TRAFFIC CONTROLLER ASSEMBLY, MODIFY	AS	1.00	\$1,475.00	\$1,475.00
0500 Signalization	0670 5600	TRAFFIC CONTROLLER ASSEMBLY, REMOVE CONTROLLER WITH CABINET	AS	1.00	\$400.00	\$400.00
0500 Signalization	0682 1400	ITS CCTV CAMERA, RELOCATE	EA	1.00	\$2,000.00	\$2,000.00
0500 Signalization	0684 1 1	MANAGED FIELD ETHERNET SWITCH, FURNISH & INSTALL	EA	2.00	\$3,000.00	\$6,000.00
0500 Signalization	0695 1 1	TRAFFIC MONITORING SITE VEHICLE SENSOR-NON- WEIGHT, FURNISH & INSTALL	EA	2.00	\$1,350.00	\$2,700.00
0500 Signalization	0695 6 12	TRAFFIC MONITORING SITE INDUCTIVE LOOP ASSEMBLY, FURNISH & INSTALL, 2 LOOPS	EA	3.00	\$1,200.00	\$3,600.00
0500 Signalization	0695 7131	TRAFFIC MONITORING SITE CABINET, FURNISH & INSTALL, TYPE 3, BASE MOUNT	EA	1.00	\$4,500.00	\$4,500.00
0500 Signalization	0700 3201	SIGN PANEL, FURNISH & INSTALL OVERHEAD MOUNT, UP TO 12 SF	EA	1.00	\$600.00	\$600.00
0500 Signalization	0700 5 22	INTERNALLY ILLUMINATED SIGN, FURNISH & INSTALL, OVERHEAD MOUNT, 12-18 SF	EA	7.00	\$3,200.00	\$22,400.00
					SUB-TOTAL	\$772,960.36
					TOTAL	\$14,692,262.64
					CONTINGENCY (20%)	\$2,938,452.53

Category	Item Number	Description	Unit	Quantity	Price	Total
GRAND CONSTRUCTION TOTAL						\$17,630,715.17