



## APPENDIX C

# EGLIN STREET ALTERNATIVES CONSTRUCTION COST BREAKDOWN

## EGLIN STREET CORRIDOR STUDY CONSTRUCTION COST ESTIMATE

Parkview Drive comparison: \$848,358.00 / 1427 ft = \$594.50 / foot-all inclusive

### Typical 300-foot Street Section:

ITEM #	SEC NO	DESCRIPTION OF ITEM	UNIT	QUANTITY (EST)	ENGR'S ESTIMATE	
					UNIT COST	TOTAL COST
1	C0015	10" PVC SEWER MAIN (8'-10')	LF	300.00	\$21.07	\$6,321.00
2	C0088	EXTRA MANHOLE DEPTH, 48" DIA	VF	3.00	\$207.94	\$623.82
3	C0091	STANDARD MANHOLE, 48" DIA	EACH	1.00	\$1,694.48	\$1,694.48
4	D0016	10" PVC WATER MAIN	LF	300.00	\$28.11	\$8,433.60
5	D0060	10" X 10" X 6" TEE	EA	1.00	\$325.16	\$325.16
6	D0127	10" GATE VALVE W/ BOX	EA	2	\$1,066.08	\$2,132.17
7	D0139	FIRE HYDRANT W/ AUX VALVE	EACH	1.00	\$2,326.96	\$2,326.96
8	E00028	TYPE I BEDDING MATERIAL	TON	155.48	\$14.40	\$2,238.91
9	E00056	COMMON UTILITY TRENCH	LF	300.00	\$6.40	\$1,920.00
10	G00027	PLACE TOPSOIL	CY	370.37	\$6.72	\$2,488.89
11	I00011	AGGREGATE BASE COURSE	TON	812.63	\$13.74	\$11,165.54
12	I00026	ASPHALT CONCRETE CLASS G, TYPE 1	TON	405.00	\$40.00	\$16,200.00
13	I00071	CONC CURB & GUTTER, TYPE B66	LF	600.00	\$14.98	\$8,988.00
14	I00102	TACK COAT	GAL	60.00	\$2.18	\$130.80
15	J00028	24" RCP, CLASS 3	LF	36.00	\$32.60	\$1,173.60
16	J00030	30" RCP, CLASS 3	LF	150.00	\$45.80	\$6,870.00
17	J00030	30" RCP, CLASS 3 (30' x .25)	LF	7.50	\$45.80	\$343.50
18	J00067	36" RCP FLARED END SECTION (1 x .25)	EACH	0.25	\$987.04	\$246.76
19	J00111	3X4 TYPE B DROP INLET	EACH	1.00	\$1,634.00	\$1,634.00
20	J00113	3X10 TYPE E DROP INLET	EACH	1.00	\$3,019.24	\$3,019.24
21	J00120	6" EDGE DRAIN AND ROCK	LF	600.00	\$5.84	\$3,504.00
22	J00126	CLASS 2 RIPRAP, W/BEDDING (33 SY x .25)	SY	8.25	\$31.91	\$263.23
23	K00011	SEEDING, FERTILIZING, MULCHING	SY	3,333.33	\$1.08	\$3,589.33
24	M00010	COLD PLASTIC PAVEMENT MARKING, 4" WHITE	LF	600.00	\$3.26	\$1,956.00
25	L00040	50-FT POLE/BRKY BASE/10 - FT LUM EXTN.	EACH	1	\$1,506.67	\$1,506.67
26	L00043	LIGHT POLE FOOTING, 2' DIAMETER	VF	1	\$60.00	\$60.00
27	L00024	1/C #6 AWG COPPER CONDUCTOR	LF	900	\$0.52	\$468.00
28	L00012	RIGID CONDUIT - SCHEDULE 40 - 2"	LF	300	\$2.64	\$792.00
29	G00010	UNCLASSIFIED EXCAVATION	CY	17	\$2.00	\$34.00
30	I00092	CONCRETE SIDEWALK, 4"	SF	3,900	\$3.50	\$13,650.00
31		MAJOR DRAINAGE CROSSINGS	LF	300	\$32.00	\$9,600.00
TOTAL - 300' TYPICAL STREET SECTION						\$113,699.66
PER FOOT of typical street section						\$379.00

### Tee Intersection Electrical:

ITEM #	SEC NO	DESCRIPTION OF ITEM	UNIT	QUANTITY (EST)	ENGR'S ESTIMATE	
					UNIT COST	TOTAL COST
1	L00012	RIGID CONDUIT - SCHEDULE 40 - 2"	LF	100	\$2.64	\$264.00
2	L00013	RIGID CONDUIT - SCHEDULE 80 - 2"	LF	75	\$2.85	\$213.75
3	L00014	RIGID CONDUIT - 2" STEEL	LF	25	\$5.00	\$125.00
4	L00024	1/C #6 AWG COPPER CONDUCTOR	LF	800	\$0.52	\$416.00
5	L00025	1/C #10 AWG COPPER (PULL WIRE)	LF	400	\$0.45	\$180.00
6	L00032	JUNCTION BOX - 18" DIAMETER	EACH	3	\$335.32	\$1,005.96
7	L00037	2/C #10 AWG COPPER POLE & BKT CABLE	FT	480	\$0.64	\$307.20
8	L00040	50-FT POLE/BRKY BASE/10 - FT LUM EXTN.	EACH	1	\$1,506.67	\$1,506.67
9	L00043	LIGHT POLE FOOTING, 2' DIAMETER	VF	1	\$60.00	\$60.00
10	L00050	ELECTRICAL SERVICE CABINET	EACH	1	\$1,715.47	\$1,715.47
11	L00055	RDY LUM - 400W WITH PE	EACH	1	\$375.00	\$375.00
TOTAL:					\$6,169.05	

**Alternate 1 (Rev) Features:**

**STA 1+50 Lacross Intersection**

ITEM #	SEC NO	DESCRIPTION OF ITEM	UNIT	QUANTITY (EST)	ENGR'S ESTIMATE	
					UNIT COST	TOTAL COST
1	C0117	CONNECTION TO EXISTING SEWER MAIN	EA	1	\$1,093.00	\$1,093.00
2	D0160	TIE TO EXISTING WATER MAIN	EACH	1	\$848.00	\$848.00
3	H00014	REMOVE AND DISPOSE AC PAVEMENT	SY	2,400.0	\$3.72	\$8,928.00
4	H00035	REMOVE CONC CURB & GUTTER	LF	120	\$3.68	\$441.60
5	I00011	AGGREGATE BASE COURSE	TON	73	\$13.74	\$1,003.02
6	I00082	CONCRETE FILLET & PAN (REINFRCD) 6"	SY	130.0	\$50.72	\$6,593.60
7	L0001	TEE INTERSECTION ELECTRICAL	LS	1	\$6,000.00	\$6,000.00
8	M00010	COLD PLASTIC PAVEMENT MARKING, 4" WHITE	LF	75	\$3.26	\$244.50
9	M00011	COLD PLASTIC PAVEMENT MARKING, 4" YELLOW	LF	75	\$3.26	\$244.50
10	M00016	COLD PLASTIC PAVEMENT MARKING, ARROW	EACH	3	\$278.95	\$836.85
<b>TOTAL</b>						<b>\$26,233.07</b>

**STA 67+75 East North Street Intersection (UTILITIES NOT STUBBED)**

ITEM #	SEC NO	DESCRIPTION OF ITEM	UNIT	QUANTITY (EST)	ENGR'S ESTIMATE	
					UNIT COST	TOTAL COST
1	H00042	REMOVE CONCRETE PAVEMENT	SY	1800	\$8.66	\$15,588.00
2	I00011	AGGREGATE BASE COURSE	TON	675	\$13.74	\$9,274.50
3	I00054	PCC PAVEMENT, 6" NONREINFORCED	SY	1800	\$27.20	\$48,955.68
4	I00082	CONCRETE FILLET & PAN (REINFRCD) 6"	SY	260.0	\$50.72	\$13,187.20
5	L0001	CROSSING INTERSECTION ELECTRICAL	LS	1	\$10,000.00	\$10,000.00
6	M00010	COLD PLASTIC PAVEMENT MARKING, 4" WHITE	LF	75	\$3.26	\$244.50
7	M00011	COLD PLASTIC PAVEMENT MARKING, 4" YELLOW	LF	75	\$3.26	\$244.50
8	M00016	COLD PLASTIC PAVEMENT MARKING, ARROW	EACH	6	\$278.95	\$1,673.70
<b>TOTAL</b>						<b>\$99,168.08</b>

**STA 77+25 Eglin (existing) Intersection**

ITEM #	SEC NO	DESCRIPTION OF ITEM	UNIT	QUANTITY (EST)	ENGR'S ESTIMATE	
					UNIT COST	TOTAL COST
1	C0015	8" PVC SEWER MAIN ( 8'-10')	LF	100	\$21.07	\$2,107.12
2	C0118	SANITARY SEWER PLUG	EA	2	\$80.08	\$160.15
3	D0014	6" PVC WATER MAIN	LF	100	\$18.00	\$1,800.00
4	D0109	10"X 10" CROSS	EA	1	\$700.63	\$700.63
5	D0117	6" MJ PLUG	EA	2	\$141.96	\$283.92
6	E00028	TYPE I BEDDING MATERIAL	TON	48.00	\$14.40	\$691.20
7	H00014	REMOVE AND DISPOSE AC PAVEMENT	SY	667.0	\$3.72	\$2,481.24
8	I00011	AGGREGATE BASE COURSE	TON	236	\$13.74	\$3,242.64
9	I00026	ASPHALT CONCRETE CLASS G, TYPE 1	TON	54	\$40.00	\$2,160.00
10	I00082	CONCRETE FILLET & PAN (REINFRCD) 6"	SY	260.0	\$50.72	\$13,187.20
11	M00010	COLD PLASTIC PAVEMENT MARKING, 4" WHITE	LF	75	\$3.26	\$244.50
12	M00011	COLD PLASTIC PAVEMENT MARKING, 4" YELLOW	LF	75	\$3.26	\$244.50
13	M00016	COLD PLASTIC PAVEMENT MARKING, ARROW	EACH	6	\$278.95	\$1,673.70
<b>TOTAL</b>						<b>\$28,976.80</b>

**STA 77+25 Eglin Spur and Cul-De-Sac**

ITEM #	SEC NO	DESCRIPTION OF ITEM	UNIT	QUANTITY (EST)	ENGR'S ESTIMATE	
					UNIT COST	TOTAL COST
1	FEC	PER FOOT STREET SECTION COST	LF	500	\$379.00	\$189,499.43
2	FEC	OBLITERATE OLD ROAD	STA	6.5	\$3,368.00	\$21,892.00
<b>TOTAL</b>						<b>\$211,391.43</b>

**STA 90+20 Dyess Avenue Intersection**

ITEM #	SEC NO	DESCRIPTION OF ITEM	UNIT	QUANTITY (EST)	ENGR'S ESTIMATE	
					UNIT COST	TOTAL COST
1	C0015	8" PVC SEWER MAIN ( 8'-10')	LF	45	\$21.07	\$948.20
2	C0118	SANITARY SEWER PLUG	EA	1	\$80.08	\$80.08
3	D0014	6" PVC WATER MAIN	LF	30	\$18.00	\$540.00
4	D0060	10" X 10" X 6" TEE	EA	1	\$325.16	\$325.16
5	D0117	6" MJ PLUG	EA	1	\$141.96	\$141.96
6	E00028	TYPE I BEDDING MATERIAL	TON	19.00	\$14.40	\$273.60
7	H00014	REMOVE AND DISPOSE AC PAVEMENT	SY	200.0	\$3.72	\$744.00
8	I00011	AGGREGATE BASE COURSE	TON	118	\$13.74	\$1,621.32
9	I00026	ASPHALT CONCRETE CLASS G, TYPE 1	TON	27	\$40.00	\$1,080.00
10	I00082	CONCRETE FILLET & PAN (REINFRCD) 6"	SY	130.0	\$50.72	\$6,593.60
11	M00010	COLD PLASTIC PAVEMENT MARKING, 4" WHITE	LF	75	\$3.26	\$244.50
12	M00011	COLD PLASTIC PAVEMENT MARKING, 4" YELLOW	LF	75	\$3.26	\$244.50
13	M00016	COLD PLASTIC PAVEMENT MARKING, ARROW	EACH	4	\$278.95	\$1,115.80
<b>TOTAL</b>						<b>\$13,952.72</b>

**STA 86+00 to 129+50 Asphalt Removal**

ITEM #	SEC NO	DESCRIPTION OF ITEM	UNIT	QUANTITY (EST)	ENGR'S ESTIMATE	
					UNIT COST	TOTAL COST
1	H00014	REMOVE AND DISPOSE AC PAVEMENT	SY	11,600.0	\$3.72	\$43,152.00
<b>TOTAL</b>						<b>\$43,152.00</b>

**STA 116+25 Lowry Lane Intersection**

ITEM #	SEC NO	DESCRIPTION OF ITEM	UNIT	QUANTITY (EST)	ENGR'S ESTIMATE	
					UNIT COST	TOTAL COST
1	C0015	8" PVC SEWER MAIN ( 8'-10')	LF	100	\$21.07	\$2,107.12
2	C0118	SANITARY SEWER PLUG	EA	2	\$80.08	\$160.15
3	D0014	6" PVC WATER MAIN	LF	100	\$18.00	\$1,800.00
4	D0109	10"X 10" CROSS	EA	1	\$700.63	\$700.63
5	D0117	6" MJ PLUG	EA	2	\$141.96	\$283.92
6	E00028	TYPE I BEDDING MATERIAL	TON	48.00	\$14.40	\$691.20
7	H00014	REMOVE AND DISPOSE AC PAVEMENT	SY	667.0	\$3.72	\$2,481.24
8	I00011	AGGREGATE BASE COURSE	TON	236	\$13.74	\$3,242.64
9	I00026	ASPHALT CONCRETE CLASS G, TYPE 1	TON	54	\$40.00	\$2,160.00
10	I00082	CONCRETE FILLET & PAN (REINFRCD) 6"	SY	260.0	\$50.72	\$13,187.20
11	M00010	COLD PLASTIC PAVEMENT MARKING, 4" WHITE	LF	75	\$3.26	\$244.50
12	M00011	COLD PLASTIC PAVEMENT MARKING, 4" YELLOW	LF	75	\$3.26	\$244.50
13	M00016	COLD PLASTIC PAVEMENT MARKING, ARROW	EACH	6	\$278.95	\$1,673.70
<b>TOTAL</b>						<b>\$28,976.80</b>

**STA 138+00 Grade Separated Rail Crossing**

ITEM #	SEC NO	DESCRIPTION OF ITEM	UNIT	QUANTITY (EST)	ENGR'S ESTIMATE	
					UNIT COST	TOTAL COST
1	FEC	GRADE SEPARATED RAIL CROSSING	LS	1.0	\$600,000.00	\$600,000.00
<b>TOTAL</b>						<b>\$600,000.00</b>

**STA 153+25 Elk Vale Intersection**

ITEM #	SEC NO	DESCRIPTION OF ITEM	UNIT	QUANTITY (EST)	ENGR'S ESTIMATE	
					UNIT COST	TOTAL COST
1	C0015	10" PVC SEWER MAIN (8'-10')	LF	80.00	\$21.07	\$1,685.60
2	C0118	SANITARY SEWER PLUG	EA	2	\$80.08	\$160.15
3	D0016	10" PVC WATER MAIN	LF	80.00	\$28.11	\$2,248.96
4	D0109	10"X 10" CROSS	EA	1	\$700.63	\$700.63
5	D0119	10" MJ PLUG	EA	2	\$179.64	\$359.27
6	E00028	TYPE I BEDDING MATERIAL	TON	41.00	\$14.40	\$590.40
7	L0001	CROSSING INTERSECTION ELECTRICAL	LS	1	\$10,000.00	\$10,000.00
8	I00011	AGGREGATE BASE COURSE	TON	146	\$13.74	\$2,006.04
9	I00026	ASPHALT CONCRETE CLASS G, TYPE 1	TON		\$40.00	\$0.00
10	I00082	CONCRETE FILLET & PAN (REINFRCD) 6"	SY	260.0	\$50.72	\$13,187.20
11	M00010	COLD PLASTIC PAVEMENT MARKING, 4" WHITE	LF	75	\$3.26	\$244.50
12	M00011	COLD PLASTIC PAVEMENT MARKING, 4" YELLOW	LF	75	\$3.26	\$244.50
13	M00016	COLD PLASTIC PAVEMENT MARKING, ARROW	EACH	6	\$278.95	\$1,673.70
<b>TOTAL</b>						<b>\$33,100.95</b>

**STA 179+70 End Road**

ITEM #	SEC NO	DESCRIPTION OF ITEM	UNIT	QUANTITY (EST)	ENGR'S ESTIMATE	
					UNIT COST	TOTAL COST
1	C0118	SANITARY SEWER PLUG	EA	1	\$80.08	\$80.08
2	D0119	10" MJ PLUG	EA	1	\$179.64	\$179.64
3	J00122	CLASS 1 RIPRAP	CY	40	\$34.24	\$1,369.41
4	M00028	PERMANENT SIGNS - END OF ROADWAY	EACH	3	\$141.00	\$423.00
<b>TOTAL</b>						<b>\$2,052.12</b>

**Storm Crossings:**

Station	SEC NO	DESCRIPTION OF ITEM	UNIT	QUANTITY (EST)	ENGR'S ESTIMATE	
					UNIT COST	TOTAL COST
25+00	J00043	60" RCP, CLASS III	LF	132	\$157.78	\$20,826.67
	J00071	60" RCP FLARED END	EA	2	\$1,970.00	\$3,940.00
34+00		12x7 BOX	LF	210	\$356.00	\$74,760.00
		12x7 END SECTION	EACH	2	\$5,400.00	\$10,800.00
46+50	J00036	42" RCP, CLASS III	LF	172	\$89.10	\$15,325.20
	J00069	42" RCP FLARED END	EA	2	\$1,305.36	\$2,610.71
54+00		42" RCP, CLASS III	LF	108	\$89.10	\$9,622.80
	J00069	42" RCP FLARED END	EA	2	\$1,305.36	\$2,610.71
66+00	J00040	54" RCP, CLASS III (PAIR)	LF	184	\$121.49	\$22,353.24
		54" RCP FLARED END	EA	4	\$1,900.00	\$7,600.00
69+50	J00036	42" RCP, CLASS III	LF	128	\$89.10	\$11,404.80
	J00069	42" RCP FLARED END	EA	2	\$1,305.36	\$2,610.71
81+00		12x7 BOX	LF	156	\$356.00	\$55,536.00
		12x7 END SECTION	EACH	2	\$5,400.00	\$10,800.00
113+00		12x6 BOX	LF	120	\$345.00	\$41,400.00
		12x6 END SECTION	EACH	2	\$4,870.00	\$9,740.00
121+50	J00040	54" RCP, CLASS III (PAIR)	LF	224	\$121.49	\$27,212.64
		54" RCP FLARED END	EA	4	\$1,900.00	\$7,600.00
130+00		12x6 BOX	LF	224	\$345.00	\$77,280.00
		12x6 END SECTION	EACH	2	\$4,870.00	\$9,740.00
147+00	J00042	60" RCP, CLASS II	LF	122	\$147.92	\$18,045.83
	J00071	60" RCP FLARED END	EA	2	\$1,970.00	\$3,940.00
153+50	J00040	54" RCP, CLASS III	LF	140	\$121.49	\$17,007.90
		54" RCP FLARED END	EA	2	\$1,900.00	\$3,800.00
159+50	J00042	60" RCP, CLASS II	LF	126	\$147.92	\$18,637.50
	J00071	60" RCP FLARED END	EA	2	\$1,970.00	\$3,940.00
<b>TOTAL</b>						<b>\$489,144.72</b>
				ALT. 1 LENGTH = 17,400'	17,400	
						<b>\$28.11</b>

**Alternate 3 (Rev) Features:**

**STA 4+50 Lacross Intersection**

ITEM #	SEC NO	DESCRIPTION OF ITEM	UNIT	QUANTITY (EST)	ENGR'S ESTIMATE	
					UNIT COST	TOTAL COST
1	C0117	CONNECTION TO EXISTING SEWER MAIN	EA	1	\$1,093.00	\$1,093.00
2	D0160	TIE TO EXISTING WATER MAIN	EACH	1	\$848.00	\$848.00
3	H00014	REMOVE AND DISPOSE AC PAVEMENT	SY	2,400.0	\$3.72	\$8,928.00
4	H00035	REMOVE CONC CURB & GUTTER	LF	120	\$3.68	\$441.60
5	I00011	AGGREGATE BASE COURSE	TON	73	\$13.74	\$1,003.02
6	I00082	CONCRETE FILLET & PAN (REINFRCD) 6"	SY	130.0	\$50.72	\$6,593.60
7	L0001	TEE INTERSECTION ELECTRICAL	LS	1	\$6,000.00	\$6,000.00
8	M00010	COLD PLASTIC PAVEMENT MARKING, 4" WHITE	LF	75	\$3.26	\$244.50
9	M00011	COLD PLASTIC PAVEMENT MARKING, 4" YELLOW	LF	75	\$3.26	\$244.50
10	M00016	COLD PLASTIC PAVEMENT MARKING, ARROW	EACH	3	\$278.95	\$836.85
<b>TOTAL</b>						<b>\$26,233.07</b>

**STA 14+00 Alternate Anamosa Tie-In**

ITEM #	SEC NO	DESCRIPTION OF ITEM	UNIT	QUANTITY (EST)	ENGR'S ESTIMATE	
					UNIT COST	TOTAL COST
1	C0117	CONNECTION TO EXISTING SEWER MAIN	EA	1	\$1,093.00	\$1,093.00
2	D0160	TIE TO EXISTING WATER MAIN	EACH	1	\$848.00	\$848.00
3	H00014	REMOVE AND DISPOSE AC PAVEMENT	SY	2,400.0	\$3.72	\$8,928.00
4	H00035	REMOVE CONC CURB & GUTTER	LF	120	\$3.68	\$441.60
5	I00011	AGGREGATE BASE COURSE	TON	73	\$13.74	\$1,003.02
6	I00082	CONCRETE FILLET & PAN (REINFRCD) 6"	SY	130.0	\$50.72	\$6,593.60
7	L0001	TEE INTERSECTION ELECTRICAL	LS	1	\$6,000.00	\$6,000.00
8	M00010	COLD PLASTIC PAVEMENT MARKING, 4" WHITE	LF	75	\$3.26	\$244.50
9	M00011	COLD PLASTIC PAVEMENT MARKING, 4" YELLOW	LF	75	\$3.26	\$244.50
10	M00016	COLD PLASTIC PAVEMENT MARKING, ARROW	EACH	3	\$278.95	\$836.85
<b>TOTAL</b>						<b>\$26,233.07</b>

**STA 67+50 East North Street Intersection (UTILITIES NOT STUBBED)**

ITEM #	SEC NO	DESCRIPTION OF ITEM	UNIT	QUANTITY (EST)	ENGR'S ESTIMATE	
					UNIT COST	TOTAL COST
1	H00042	REMOVE CONCRETE PAVEMENT	SY	1800	\$8.66	\$15,588.00
2	I00011	AGGREGATE BASE COURSE	TON	675	\$13.74	\$9,274.50
3	I00054	PCC PAVEMENT, 6" NONREINFORCED	SY	1800	\$27.20	\$48,955.68
4	I00082	CONCRETE FILLET & PAN (REINFRCD) 6"	SY	260.0	\$50.72	\$13,187.20
5	L0001	CROSSING INTERSECTION ELECTRICAL	LS	1	\$10,000.00	\$10,000.00
6	M00010	COLD PLASTIC PAVEMENT MARKING, 4" WHITE	LF	75	\$3.26	\$244.50
7	M00011	COLD PLASTIC PAVEMENT MARKING, 4" YELLOW	LF	75	\$3.26	\$244.50
8	M00016	COLD PLASTIC PAVEMENT MARKING, ARROW	EACH	6	\$278.95	\$1,673.70
<b>TOTAL</b>						<b>\$99,168.08</b>

**STA 76+75 Eglin (existing) Intersection**

ITEM #	SEC NO	DESCRIPTION OF ITEM	UNIT	QUANTITY (EST)	ENGR'S ESTIMATE	
					UNIT COST	TOTAL COST
1	C0015	8" PVC SEWER MAIN ( 8'-10')	LF	100	\$21.07	\$2,107.12
2	C0118	SANITARY SEWER PLUG	EA	2	\$80.08	\$160.15
3	D0014	6" PVC WATER MAIN	LF	100	\$18.00	\$1,800.00
4	D0109	10"X 10" CROSS	EA	1	\$700.63	\$700.63
5	D0117	6" MJ PLUG	EA	2	\$141.96	\$283.92
6	E00028	TYPE I BEDDING MATERIAL	TON	48.00	\$14.40	\$691.20
7	H00014	REMOVE AND DISPOSE AC PAVEMENT	SY	267.0	\$3.72	\$993.24
8	I00011	AGGREGATE BASE COURSE	TON	236	\$13.74	\$3,242.64
9	I00026	ASPHALT CONCRETE CLASS G, TYPE 1	TON	54	\$40.00	\$2,160.00
10	I00082	CONCRETE FILLET & PAN (REINFRCD) 6"	SY	260.0	\$50.72	\$13,187.20
11	M00010	COLD PLASTIC PAVEMENT MARKING, 4" WHITE	LF	75	\$3.26	\$244.50
12	M00011	COLD PLASTIC PAVEMENT MARKING, 4" YELLOW	LF	75	\$3.26	\$244.50
13	M00016	COLD PLASTIC PAVEMENT MARKING, ARROW	EACH	6	\$278.95	\$1,673.70
<b>TOTAL</b>						<b>\$27,488.80</b>

**STA 77+30 to 118+50 Asphalt Removal**

ITEM #	SEC NO	DESCRIPTION OF ITEM	UNIT	QUANTITY (EST)	ENGR'S ESTIMATE	
					UNIT COST	TOTAL COST
1	H00014	REMOVE AND DISPOSE AC PAVEMENT	SY	10,987.0	\$3.72	\$40,871.64
<b>TOTAL</b>						<b>\$40,871.64</b>

**STA 90+00 Dyess Avenue Intersection**

ITEM #	SEC NO	DESCRIPTION OF ITEM	UNIT	QUANTITY (EST)	ENGR'S ESTIMATE	
					UNIT COST	TOTAL COST
1	C0015	8" PVC SEWER MAIN ( 8'-10')	LF	45	\$21.07	\$948.20
2	C0118	SANITARY SEWER PLUG	EA	1	\$80.08	\$80.08
3	D0014	6" PVC WATER MAIN	LF	30	\$18.00	\$540.00
4	D0060	10" X 10" X 6" TEE	EA	1	\$325.16	\$325.16
5	D0117	6" MJ PLUG	EA	1	\$141.96	\$141.96
6	E00028	TYPE I BEDDING MATERIAL	TON	19	\$14.40	\$273.60
7	H00014	REMOVE AND DISPOSE AC PAVEMENT	SY	200	\$3.72	\$744.00
8	I00011	AGGREGATE BASE COURSE	TON	118	\$13.74	\$1,621.32
9	I00026	ASPHALT CONCRETE CLASS G, TYPE 1	TON	27	\$40.00	\$1,080.00
10	I00082	CONCRETE FILLET & PAN (REINFRCD) 6"	SY	130	\$50.72	\$6,593.60
11	M00010	COLD PLASTIC PAVEMENT MARKING, 4" WHITE	LF	75	\$3.26	\$244.50
12	M00011	COLD PLASTIC PAVEMENT MARKING, 4" YELLOW	LF	75	\$3.26	\$244.50
13	M00016	COLD PLASTIC PAVEMENT MARKING, ARROW	EACH	4	\$278.95	\$1,115.80
<b>TOTAL</b>						<b>\$13,952.72</b>

**STA 116+50 Lowry Lane Intersection**

ITEM #	SEC NO	DESCRIPTION OF ITEM	UNIT	QUANTITY (EST)	ENGR'S ESTIMATE	
					UNIT COST	TOTAL COST
1	C0015	8" PVC SEWER MAIN ( 8'-10')	LF	45	\$21.07	\$948.20
2	C0118	SANITARY SEWER PLUG	EA	1	\$80.08	\$80.08
3	D0014	6" PVC WATER MAIN	LF	30	\$18.00	\$540.00
4	D0060	10" X 10" X 6" TEE	EA	1	\$325.16	\$325.16
5	D0117	6" MJ PLUG	EA	1	\$141.96	\$141.96
6	E00028	TYPE I BEDDING MATERIAL	TON	19.00	\$14.40	\$273.60
7	H00014	REMOVE AND DISPOSE AC PAVEMENT	SY	200.0	\$3.72	\$744.00
8	I00011	AGGREGATE BASE COURSE	TON	118	\$13.74	\$1,621.32
9	I00026	ASPHALT CONCRETE CLASS G, TYPE 1	TON	27	\$40.00	\$1,080.00
10	I00082	CONCRETE FILLET & PAN (REINFRCD) 6"	SY	130.0	\$50.72	\$6,593.60
11	M00010	COLD PLASTIC PAVEMENT MARKING, 4" WHITE	LF	75	\$3.26	\$244.50
12	M00011	COLD PLASTIC PAVEMENT MARKING, 4" YELLOW	LF	75	\$3.26	\$244.50
13	M00016	COLD PLASTIC PAVEMENT MARKING, ARROW	EACH	4	\$278.95	\$1,115.80
<b>TOTAL</b>						<b>\$13,952.72</b>

**STA 118+50 Reconnect To Existing Eglin**

ITEM #	SEC NO	DESCRIPTION OF ITEM	UNIT	QUANTITY (EST)	ENGR'S ESTIMATE	
					UNIT COST	TOTAL COST
1	C0015	8" PVC SEWER MAIN ( 8'-10')	LF	45	\$21.07	\$948.20
2	C0118	SANITARY SEWER PLUG	EA	1	\$80.08	\$80.08
3	D0014	6" PVC WATER MAIN	LF	30	\$18.00	\$540.00
4	D0060	10" X 10" X 6" TEE	EA	1	\$325.16	\$325.16
5	D0117	6" MJ PLUG	EA	1	\$141.96	\$141.96
6	E00028	TYPE I BEDDING MATERIAL	TON	19.00	\$14.40	\$273.60
7	H00014	REMOVE AND DISPOSE AC PAVEMENT	SY	200.0	\$3.72	\$744.00
8	I00011	AGGREGATE BASE COURSE	TON	118	\$13.74	\$1,621.32
9	I00026	ASPHALT CONCRETE CLASS G, TYPE 1	TON	27	\$40.00	\$1,080.00
10	I00082	CONCRETE FILLET & PAN (REINFRCD) 6"	SY	130.0	\$50.72	\$6,593.60
11	M00010	COLD PLASTIC PAVEMENT MARKING, 4" WHITE	LF	75	\$3.26	\$244.50
12	M00011	COLD PLASTIC PAVEMENT MARKING, 4" YELLOW	LF	75	\$3.26	\$244.50
13	M00016	COLD PLASTIC PAVEMENT MARKING, ARROW	EACH	4	\$278.95	\$1,115.80
14	FEC	PER FOOT STREET SECTION COST	LF	200	\$379.00	\$75,799.77
<b>TOTAL</b>						<b>\$89,752.49</b>

**STA 123+00 Tank Farm Access**

ITEM #	SEC NO	DESCRIPTION OF ITEM	UNIT	QUANTITY (EST)	ENGR'S ESTIMATE	
					UNIT COST	TOTAL COST
1	C0015	8" PVC SEWER MAIN ( 8'-10')	LF	45	\$21.07	\$948.20
2	C0118	SANITARY SEWER PLUG	EA	1	\$80.08	\$80.08
3	D0014	6" PVC WATER MAIN	LF	30	\$18.00	\$540.00
4	D0060	10" X 10" X 6" TEE	EA	1	\$325.16	\$325.16
5	D0117	6" MJ PLUG	EA	1	\$141.96	\$141.96
6	E00028	TYPE I BEDDING MATERIAL	TON	19.00	\$14.40	\$273.60
8	I00011	AGGREGATE BASE COURSE	TON	118	\$13.74	\$1,621.32
9	I00026	ASPHALT CONCRETE CLASS G, TYPE 1	TON	27	\$40.00	\$1,080.00
10	I00082	CONCRETE FILLET & PAN (REINFRCD) 6"	SY	130.0	\$50.72	\$6,593.60
11	M00010	COLD PLASTIC PAVEMENT MARKING, 4" WHITE	LF	75	\$3.26	\$244.50
12	M00011	COLD PLASTIC PAVEMENT MARKING, 4" YELLOW	LF	75	\$3.26	\$244.50
13	M00016	COLD PLASTIC PAVEMENT MARKING, ARROW	EACH	4	\$278.95	\$1,115.80
14	FEC	PER FOOT STREET SECTION COST	LF	400	\$379.00	\$151,599.54
<b>TOTAL</b>						<b>\$13,208.72</b>

**STA 121+00 At Grade Rail Crossing**

ITEM #	SEC NO	DESCRIPTION OF ITEM	UNIT	QUANTITY (EST)	ENGR'S ESTIMATE	
					UNIT COST	TOTAL COST
1	I00054	PCC PAVEMENT, 6" NONREINFORCED	SY	45	\$27.20	\$1,223.89
2	FEC	PCC FOUNDATION AND RAIL @ CROSSING	LS	1	\$7,000.00	\$7,000.00
3	FEC	RAIL CROSSING SIGNALIZATION	LS	1	\$10,000.00	\$10,000.00
4	I00011	AGGREGATE BASE COURSE	TON	30	\$13.74	\$412.20
5	FEC	REMOVE RAILROAD RAIL AND TIES	LF	60	\$6.50	\$390.00
<b>TOTAL</b>						<b>\$19,026.09</b>

**STA 147+00 Elk Vale Intersection**

ITEM #	SEC NO	DESCRIPTION OF ITEM	UNIT	QUANTITY (EST)	ENGR'S ESTIMATE	
					UNIT COST	TOTAL COST
1	C0015	10" PVC SEWER MAIN (8'-10')	LF	80.00	\$21.07	\$1,685.60
2	C0118	SANITARY SEWER PLUG	EA	2	\$80.08	\$160.15
3	D0016	10" PVC WATER MAIN	LF	80.00	\$28.11	\$2,248.96
4	D0109	10"X 10" CROSS	EA	1	\$700.63	\$700.63
5	D0119	10" MJ PLUG	EA	2	\$179.64	\$359.27
6	E00028	TYPE I BEDDING MATERIAL	TON	41.00	\$14.40	\$590.40
7	L0001	CROSSING INTERSECTION ELECTRICAL	LS	1	\$10,000.00	\$10,000.00
8	I00011	AGGREGATE BASE COURSE	TON	146	\$13.74	\$2,006.04
9	I00026	ASPHALT CONCRETE CLASS G, TYPE 1	TON		\$40.00	\$0.00
10	I00082	CONCRETE FILLET & PAN (REINFRCD) 6"	SY	260.0	\$50.72	\$13,187.20
11	M00010	COLD PLASTIC PAVEMENT MARKING, 4" WHITE	LF	75	\$3.26	\$244.50
12	M00011	COLD PLASTIC PAVEMENT MARKING, 4" YELLOW	LF	75	\$3.26	\$244.50
13	M00016	COLD PLASTIC PAVEMENT MARKING, ARROW	EACH	6	\$278.95	\$1,673.70
<b>TOTAL</b>						<b>\$33,100.95</b>



**STA 167+00 North -South Collector Intersection**

ITEM #	SEC NO	DESCRIPTION OF ITEM	UNIT	QUANTITY (EST)	ENGR'S ESTIMATE	
					UNIT COST	TOTAL COST
1	C0015	8" PVC SEWER MAIN ( 8'-10')	LF	100	\$21.07	\$2,107.12
2	C0118	SANITARY SEWER PLUG	EA	2	\$80.08	\$160.15
3	D0014	6" PVC WATER MAIN	LF	100	\$18.00	\$1,800.00
4	D0109	10"X 10" CROSS	EA	1	\$700.63	\$700.63
5	D0117	6" MJ PLUG	EA	2	\$141.96	\$283.92
6	E00028	TYPE I BEDDING MATERIAL	TON	48.00	\$14.40	\$691.20
7	H00014	REMOVE AND DISPOSE AC PAVEMENT	SY	667.0	\$3.72	\$2,481.24
8	I00011	AGGREGATE BASE COURSE	TON	236	\$13.74	\$3,242.64
9	I00026	ASPHALT CONCRETE CLASS G, TYPE 1	TON	54	\$40.00	\$2,160.00
10	I00082	CONCRETE FILLET & PAN (REINFRCD) 6"	SY	260.0	\$50.72	\$13,187.20
11	M00010	COLD PLASTIC PAVEMENT MARKING, 4" WHITE	LF	75	\$3.26	\$244.50
12	M00011	COLD PLASTIC PAVEMENT MARKING, 4" YELLOW	LF	75	\$3.26	\$244.50
13	M00016	COLD PLASTIC PAVEMENT MARKING, ARROW	EACH	6	\$278.95	\$1,673.70
<b>TOTAL</b>						<b>\$28,976.80</b>

**STA 177+00 End Road**

ITEM #	SEC NO	DESCRIPTION OF ITEM	UNIT	QUANTITY (EST)	ENGR'S ESTIMATE	
					UNIT COST	TOTAL COST
1	C0118	SANITARY SEWER PLUG	EA	1	\$80.08	\$80.08
2	D0119	10" MJ PLUG	EA	1	\$179.64	\$179.64
3	J00122	CLASS 1 RIPRAP	CY	40	\$34.24	\$1,369.41
4	M00028	PERMANENT SIGNS - END OF ROADWAY	EACH	3	\$141.00	\$423.00
<b>TOTAL</b>						<b>\$2,052.12</b>

**Storm Crossings:**

Station	SEC NO	DESCRIPTION OF ITEM	UNIT	QUANTITY (EST)	ENGR'S ESTIMATE	
					UNIT COST	TOTAL COST
19+50	J00036	42" RCP, CLASS III	LF	250	\$89.10	\$22,275.00
	J00069	42" RCP FLARED END	EA	2	\$1,305.36	\$2,610.71
39+00		12x7 BOX	LF	342	\$356.00	\$121,752.00
		12x7 END SECTION	EACH	2	\$5,400.00	\$10,800.00
66+00	J00040	54" RCP, CLASS III (PAIR)	LF	184	\$121.49	\$22,353.24
		54" RCP FLARED END	EA	4	\$1,900.00	\$7,600.00
69+50	J00036	42" RCP, CLASS III	LF	128	\$89.10	\$11,404.80
	J00069	42" RCP FLARED END	EA	2	\$1,305.36	\$2,610.71
81+00		14x7 BOX	LF	152	\$395.00	\$60,040.00
		14x7 END SECTION	EACH	2	\$5,600.00	\$11,200.00
113+00		11 X 6 BOX	LF	152	\$335.00	\$50,920.00
		11X 6 END SECTION	EACH	2	\$3,679.00	\$7,358.00
118+50	J00040	54" RCP, CLASS III	LF	150	\$121.49	\$18,222.75
		54" RCP FLARED END	EA	2	\$1,900.00	\$3,800.00
121+50	J00036	42" RCP, CLASS III (pair)	LF	220	\$89.10	\$19,602.00
	J00069	42" RCP FLARED END	EA	4	\$1,305.36	\$5,221.43
123+00 (RT)	J00037	48" RCP, CLASS II	LF	100	\$95.45	\$9,545.00
	J00070	48" RCP FLARED END	EA	2	\$1,691.25	\$3,382.50
129+00	J00040	54" RCP, CLASS III (PAIR)	LF	248	\$121.49	\$30,128.28
		54" RCP FLARED END	EA	4	\$1,900.00	\$7,600.00
133+00		11x5 BOX	LF	190	\$326.00	\$61,940.00
		11x5 END SECTION	EACH	2	\$3,300.00	\$6,600.00
140+50	J00042	60" RCP, CLASS II	LF	186	\$147.92	\$27,512.50
	J00071	60" RCP FLARED END	EA	2	\$1,970.00	\$3,940.00
147+50	J00040	54" RCP, CLASS III	LF	134	\$121.49	\$16,278.99
		54" RCP FLARED END	EA	2	\$1,900.00	\$3,800.00
153+00	J00036	42" RCP, CLASS III (pair)	LF	216	\$89.10	\$19,245.60
	J00069	42" RCP FLARED END	EA	4	\$1,305.36	\$5,221.43
<b>TOTAL</b>						<b>\$572,964.95</b>
				ALT. 3R LENGTH =	16,500	
				PER-FOOT-COST		\$34.73