KELSON AVENUE DRAINAGE IMPROVEMENTS

ENGINEER'S OPINION OF PROBABLE COST

Item No.	Description	Unit	Quantity	Unit Price	Total Project Price	Quantity	Total Phase A Price	Quantity	Total Phase B Price	Quantity	Total Phase C Price	Quantity	Total Phase D Price	Quantity	Total Phase E Price
Total	TOTAL PROJECT - Kelson Avenue from East of SR 166 (Jefferson St.) to Noland Street (1,550 ft)														
						Phase A - 526 lf		Phase B - Detention Pond		Phase C - 342 lf		Phase D - 342 lf		Phase E - 342 lf	
GENERAL PROJECT COSTS															
A1	Mobilization	3%	LS	LS	$ 171,900.00	LS	$ 51,570.00	LS	$ 17,190.00	LS	$ 34,380.00	LS	$ 34,380.00	LS	$ 34,380.00
A2	Performance and Payment Bonds	2%	LS	LS	$ 114,600.00	LS	$ 34,380.00	LS	$ 11,460.00	LS	$ 22,920.00	LS	$ 22,920.00	LS	$ 22,920.00
A3	Maintainence of traffic	2%	LS	LS	$ 114,600.00	LS	$ 34,380.00	LS	$ 11,460.00	LS	$ 22,920.00	LS	$ 22,920.00	LS	$ 22,920.00
A4	NPDES Permitting (FDEP Generic permit for Lg and Sm Const.)	LS	LS	LS	$ 5,000.00	LS	$ 1,500.00	LS	$ 500.00	LS	$ 1,000.00	LS	$ 1,000.00	LS	$ 1,000.00
CONSTRUCTION ITEMS															
A5	Erosion and Pollution Control	1%	LS	LS	$ 57,300.00	LS	$ 17,190.00	LS	$ 5,730.00	LS	$ 11,460.00	LS	$ 11,460.00	LS	$ 11,460.00
A6	Clearing, Grubbing, demolition, Tree Removal, and other relative misc. items including asphalt removal of existing roadway	LS	1	$ 26,175.00	$ 26,175.00	LS	$ 10,470.00	LS		LS	$ 5,235.00	LS	$ 5,235.00	LS	$ 5,235.00
A7	Stabilization, Type B, LBR 40	SY	533	$ 1.50	$ 799.95	0	$ -	0	$ -	266.7	$ 399.98	0	$ -	266.7	$ 399.98
A8	Roadway Base, OBG-06 (Reconstruction)	SY	533	$ 9.76	$ 5,205.30	0	$ -	0	$ -	266.7	$ 2,602.65	0	$ -	266.7	$ 2,602.65
A9	Asphaltic Concrete Type-SP														
	New Const ((220 lb/sy - 2")	TON	59	$ 90.00	$ 5,310.00	0	$ -	0.0	$ -	29.5	$ 2,655.00	0.0	$ -	29.5	$ 2,655.00
A10	Friction Course FC-12.5 (110 lb/sy - 1")	TON	29	$ 95.00	$ 2,755.00	0	$ -	0.0	$ -	14.5	$ 1,377.50	0.0	$ -	14.5	$ 1,377.50
A11	Excavation (Ditch Widening)	CY	8,611	$ 6.50	$ 55,972.22	3444.4	$ 22,388.89	0.0	$ -	1722.2	$ 11,194.44	1722.2	$ 11,194.44	1722.2	$ 11,194.44
A12	Excavation (Detention Pond) (Includes C&G for Pond)	CY	84,700	$ 9.00	$ 762,300.00		$ -	84700.0	$ 762,300.00		$ -		$ -		$ -
A13	Detention Pond Structures	CY	69	$ 875.00	$ 60,493.83		$ -	69.1	$ 60,493.83		$ -		$ -		$ -
A14	Borrow (Truck Measure)	CY	2,000	$ 7.00	$ 14,000.00	800.0	$ 5,600.00		$ -	400.0	$ 2,800.00	400.0	$ 2,800.00	400.0	$ 2,800.00
A15	Shoulder Rework (8' wide both sides)	SY	0	$ 1.75	$ -		$ -		$ -		$ -		$ -		$ -
A16	36" RCP (Sidedrain), (backfill and compaction w/ select material)	LF	64	$ 75.00	$ 4,800.00	25.6	$ 1,920.00		$ -	12.8	$ 960.00	12.8	$ 960.00	12.8	$ 960.00
A17	48" RCP (Sidedrain), (backfill and compaction w/ select material)	LF	64	$ 80.00	$ 5,120.00	25.6	$ 2,048.00		$ -	12.8	$ 1,024.00	12.8	$ 1,024.00	12.8	$ 1,024.00
A18	Class IV Concrete (DBL 10' x 16' x 1550' long box culvert)	CY	4,880	$ 600.00	$ 2,927,777.78	1951.9	$ 1,171,111.11		$ -	975.9	$ 585,555.56	975.9	$ 585,555.56	975.9	$ 585,555.56
A19	Reinforcing Steel	LB	1,007,500	$ 1.63	$ 1,642,225.00	403000.0	$ 656,890.00		$ -	201500.0	$ 328,445.00	201500.0	$ 328,445.00	201500.0	$ 328,445.00
A20	Concrete , Class I (Endwalls)	CY	34	$ 700.00	$ 23,884.00	13.6	$ 9,553.60		$ -	6.8	$ 4,776.80	6.8	$ 4,776.80	6.8	$ 4,776.80
A21	Concrete Ditch Pavement, 4"	SY	167	$ 21.42	$ 3,570.00	66.7	$ 1,428.00		$ -	33.3	$ 714.00	33.3	$ 714.00	33.3	$ 714.00
A22	Guardrail Removal	LF	500	$ 4.00	$ 2,000.00		$ -		$ -	250.0	$ 1,000.00		$ -	250.0	$ 1,000.00
A23	Guardrail End Anchorages	EA	0	$ 1,800.00	$ -		$ -		$ -	0.0	$ -		$ -	0.0	$ -
A24	Striping (temp)	LS	1	$ 1,000.00	$ 1,000.00		$ -		$ -	0.5	$ 500.00		$ -	0.5	$ 500.00
A25	Striping Thermoplastic	LS	1	$ 3,000.00	$ 3,000.00		$ -		$ -	0.5	$ 1,500.00		$ -	0.5	$ 1,500.00
A26	Signs	EA	2	$ 300.00	$ 600.00		$ -		$ -	1.0	$ 300.00		$ -	1.0	$ 300.00
A27	Performance Turf, Sod	SY	27,800	$ 3.00	$ 83,400.00	4170.0	$ 12,510.00	11120.0	$ 33,360.00	4170.0	$ 12,510.00	4170.0	$ 12,510.00	4170.0	$ 12,510.00
A28	Performance Turf	SY	36,800	$ 0.75	$ 27,600.00	125.0	$ 93.75	36300.0	$ 27,225.00	125.0	$ 93.75	125.0	$ 93.75	125.0	$ 93.75
A29	Utility Relocation (Estimate)	LS	1	$ 25,000.00	$ 25,000.00		$ 6,250.00		$ -		$ 6,250.00		$ 6,250.00		$ 6,250.00
A30	Unsuitable materials excavation and removal (Use only upon authorization of Engineer)	CY	3,100	$ 15.00	$ 46,500.00		$ 11,625.00		$ -		$ 11,625.00		$ 11,625.00		$ 11,625.00
	SUBTOTAL CONSTRUCTION COST				$ 6,192,888.08		$ 2,050,908.35		$ 929,718.83		$ 1,074,198.68		$ 1,063,863.55		$ 1,074,198.68
A31	Geotechnical	LS	1	$ 22,000.00	$ 22,000.00		$ 22,000.00								
A32	Topographic Survey	LS	1	$ 16,000.00	$ 16,000.00		$ 16,000.00								
A33	Permitting	LS	1	$ 2,500.00	$ 2,500.00		$ 2,500.00								
A34	Drainage Analysis of Easterly half of City of Marianna	LS	1	$ 18,600.00	$ 18,600.00		$ 18,600.00								
A35	Basic Engineering	LS	1	10%	$ 619,289.00	10%	$ 205,091.00	10%	$ 92,972.00	10%	$ 107,420.00	10%	$ 106,386.00	10%	$ 107,420.00
A36	Construction Inspection	LS	1	7%	$ 433,502.00	7%	$ 143,564.00	7%	$ 65,080.00	7%	$ 75,194.00	7%	$ 74,470.00	7%	$ 75,194.00
A37	Contingency Allowance - To be used only with authorization of the engineer and a signed work change directive from the owner.	LS	1	10%	$ 619,289.00	10%	$ 205,091.00	10%	$ 92,972.00	10%	$ 107,420.00	10%	$ 106,386.00	10%	$ 107,420.00
	PROJECT TOTAL			$	7,924,068.08		$ 2,663,754.35		$ 1,180,742.83		$ 1,364,232.68		$ 1,351,105.55		$ 1,364,232.68

David H. Melvin, Inc.
Consulting Engineers