

ATTACHMENT E-2

SUMMARY OF DETAILED FEE SCHEDULE - PHASE I SUPPORTING LUMP SUM CALCULATIONS
SWA NO. 5 TO WA NO.2

MAXIMUM AMOUNT PAYABLE
LOOP 20 STIMULUS PROJECT (CSJ: 0086-14-058)
PHASE I - POND SITING STUDY/PRELIMINARY ENGINEERING ADD'L SERVICES
US 59 TO INTERNATIONAL BLVD (STA 115+85.40 TO STA 484+65.18)

DANNENBAUM ENGINEERING CO.
PHASE I SUMMARY

SPECIAL SERVICES STUDY SERVICES TASK DESCRIPTION	Principal/PM	DEPUTY PM	Senior Engineer Civil	Senior Engineer Bridge	Engineer	Senior Designer	CADD Operator/ Tech	Clerical	Total Labor Hrs.	Task Cost
FC 164 - PROJECT MANAGEMENT (FC 110) (DET POND SIZING) (6 MONTHS)										
PREPARATION OF INVOICES AND PROGRESS REPORTS (TOTAL = 6 EA)	12	30	24	12				12	66	\$ 14,501.94
SCHEDULE & ATTEND PRE-DESIGN MEETING (TOTAL= 1)	8	8			6			4	28	\$ 5,828.28
SCHEDULE, ATTEND AND PREPARE MINUTES FOR 6 PROGRESS MEETINGS	26	32	26	26	32		14	14	144	\$ 30,529.12
PREPARE PROJECT SCHEDULE (UPDATE TWICE)	2	4	4					4	26	\$ 3,948.68
PREPARE & ASSEMBLE PRELIMINARY COST ESTIMATE	1	2	4		12	20		2	47	\$ 5,143.17
CONDUCT SITE VISIT OF PROJECT AREA		10			10			1	21	\$ 3,746.49
SUB-TOTAL - FC 164 - PROJECT MANAGEMENT (FC 110) (DET POND SIZING) (6 MONTHS)	55	86	52	0	62	32	6	39	332	\$ 64,637.58
FC 110 - DETENTION POND ANALYSIS SIZING/PRELIM ENGR W/ALTERNATES - US 59 TO INTERNATIONAL										
RESEARCH PROPERTY, DETERMINE OWNERS, MEET W/STAKEHOLDERS & EVALUATE \$ DETENTION STORAGE LOCATIONS	16		148	94	180	100	100		578	\$ 81,611.84
SIZE \$ DETENTION POND SURFACE AREA AND OUTFALL LOCATIONS:										
DETERMINE EXACT LOCATIONS	6	64	32	64	58	48	96			
PREPARE PRELIM PROPERTY BOUNDARY OF SITE	6	64	88	64	58	48	96			
SUBMIT FOR REVIEW AND COMMENTS	4	42	40	32	18	28	28		80	\$ 44,427.34
ADDRESS COMMENTS AND SUBMIT REVISED REPORT	4	42	40	34	24	38	38	5	148	\$ 14,628.86
SCOUR ANALYSIS FOR BRIDGE	4	4	16		55	48	38		131	\$ 21,185.10
SUB-TOTAL - FC 110 - DETENTION POND ANALYSIS SIZING/PRELIM ENGR W/ALTERNATES - US 59 TO INTERNATIONAL	40	0	376	0	453	342	360	6	1577	\$ 224,640.53
TOTAL DIRECT EXPENSES (FROM BELOW)										\$ 5,927.85
GRAND TOTAL - DETENTION POND SIZING	95	86	428	0	515	374	366	45	1589	\$ 285,266.02
HOURS SUB-TOTALS	95	86	428	0	515	374	366	45	1,599	
LABOR RATE PER HOUR	\$ 215	\$ 327	\$ 150	\$ 225	\$ 132	\$ 106	\$ 75	\$ 54	\$ 54.89	
DIRECT LABOR COSTS	\$ 31,153.35	\$ 20,302.02	\$ 96,514.00	\$ -	\$ 68,026.35	\$ 39,883.36	\$ 30,539.04	\$ 2,920.05	\$ 289,338.17	
TOTAL	\$ 31,153.35	\$ 20,302.02	\$ 96,514.00	\$ -	\$ 68,026.35	\$ 39,883.36	\$ 30,539.04	\$ 2,920.05	\$ 289,338.17	
PERCENT LABOR UTILIZATION FOR TOTAL PROJECT (BASED ON FEE)	10.77%	7.02%	33.35%	0.00%	23.51%	13.78%	10.55%	1.01%	100.00%	CHECK
PERCENT LABOR UTILIZATION FOR TOTAL PROJECT (BASED ON MANHOURS)	4.98%	4.50%	22.42%	0.00%	26.98%	19.59%	19.17%	2.36%	100.00%	\$ 289,338.17

Miller & Campbell 5/24/17