

EXHIBIT B
Estimated Effort Proposal - Delray Beach
Tropic Isle Improvements Project - Phase II

TASKS		Kimley-Horn Staff							Subconsultants			
		Principal/ Project Manager	Principal Engineer	Professional	Project Engineer	Analyst I	Senior Design	Support Staff	SHENANDOAH			
Hourly Billing Rate		\$285.00	\$215.00	\$195.00	\$169.00	\$135.00	\$150.00	\$87.00		Total Hours	Labor Cost	Total Cost
1	Data Collection and Coordination										-	\$ -
2	Design Survey Services	2	16			12				30	5,630	\$ 5,630
3	Geotechnical Engineering Services & Analysis	2	8							10	2,290	\$ 2,290
4	Condition Assesment of Sanitary Sewer		4		12	24				40	6,128	\$ 6,128
5	Video Pipe Inspection and Condition Assesment of Storm Sewer		12		18	94	24	2	\$ 47,600	150	22,086	\$ 69,686
6	Subsurface Utility Exploration (SUE)	4	16		40					60	11,340	\$ 11,340
7	Basin Drainage	34	180	88	140	184				626	114,050	\$ 114,050
8	Roadway Engineering Design	207	948		1758	1495	872			5279	892,397	\$ 892,397
9	Drainage Design	107	324	39	870	190	90			1619	293,730	\$ 293,730
10	Environmental Permitting	27	55	110	94	53				339	64,040	\$ 64,040
11	Signing and Pavement Marking (SPM)										-	\$ -
12	City Utility Improvements	200			387	1709	934	4		3234	493,566	\$ 493,566
13	Street Lighting (by FPL)										-	\$ -
14	Landscape, Hardscape Assessment		12		8					20	3,932	\$ 3,932
15	Project Phasing Plan Analysis	12	54		72					138	27,198	\$ 27,198
16	Excavation and Backfill Spoils Management Plan Analysis	14	14	36	56					120	23,484	\$ 23,484
17	Traffic Management Plan Analysis	14	52	8	26	76				176	31,384	\$ 31,384
18	Franchise Utility Coordination	11	121		197	124				452	78,991	\$ 78,991
19	Community Outreach	46	141	42	162		120	40		551	100,387	\$ 100,387
20	Opinion of Probable Construction Cost	5	27		56	164		6		258	39,356	\$ 39,356
21	Design Documentation Report		8		32	12		12		64	9,792	\$ 9,792
22	Project Management	72	88	16						176	42,560	\$ 42,560
23	Technical Specifications (1 draft & final for 3 contracts)	10	38		88	34		12		182	31,526	\$ 31,526
24	Bid Phase Services (3 bids) / contracts)	16	78		16			16		126	25,426	\$ 25,426

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TOTAL HOURS		783	2195	339	4031	4171	2040	92		13650		
	Subtotals	\$ 223,013	\$ 471,914	\$ 66,105	\$ 681,256	\$ 563,031	\$ 305,970	\$ 8,004	\$ 47,600		\$ 2,319,293	\$ 2,366,893
DIRECT EXPENSES 4.6% OF LABOR											\$	106,687
KH PUBLIC COORDINATE / WEBSITE APPLICATION (FOR 3 YEARS)											\$	2,500
PROVIDE PUBLIC COORDINATE SURVEY FEATURE											\$	450
SUBCONSULTANT COORD. & MARKUP 10 %											\$	63,243
LUMP SUM TOTAL COST											\$	2,539,773

OPTIONAL TASKS												
Drainage and Structural Design Analysis & plans, to upsize up to 39 outfalls & sea wall restoration											\$	178,655
	Review as-built and coord. survey data	2	4		8					14	\$ 2,782.00	
	Field Observations by Structures Engineer		12		40					52	\$ 9,340.00	
	Outfall Concepts (up to 3 typical concepts)	4	8		24					36	\$ 6,916.00	
	Develop (up to 3) Outfall Structural Details	8	24		48					80	\$ 15,552.00	
	Meetings and Coordination	12	12		12					36	\$ 8,028.00	
	Drainage Design Details/Const. Plans for Outfalls (up to 39)	39	8		195					242	\$ 45,790.00	
	Permitting Plans	4	16			45				65	\$ 10,655.00	
	Comment Resoution	4	8			60				72	\$ 10,960.00	
	SFWMD Additional Permitting		12	40		8				60	\$ 11,460.00	
	FDEP Permitting		8	28		24				60	\$ 10,420.00	
	US Army Corps Permitting		16	60		20				96	\$ 17,840.00	
	Seagrass Survey Initial for 39 outfalls			60	12					72	\$ 13,728.00	
	Seagrass Survey Phase 2 update			32	8					40	\$ 7,592.00	
	Seagrass Survey Phase 3 update			32	8					40	\$ 7,592.00	

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Geotechnical Investigation & Borings (see sub rates)										\$	10,500
Optional Miscellaneous Survey Services (see sub. rates)										\$	55,930
Allowance (Permits and Application Fees)										\$	8,950
Optional Allowance Subsurface Utility Exploration SUE (see sub. rates)										\$	90,000
Allowance Post Design Services (Initial for Phase 1)										\$	25,000
DIRECT EXPENSES 4.6% OF LABOR										\$	16,976
OPTIONAL SERVICES (On As Needed Basis with Client Approval) TOTAL COST										\$	386,011
TOTAL PROJECT										\$	2,925,784