

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

TASKS	Kimley-Horn Staff							Subconsultants	Total Hours	Labor Cost	Total Cost
	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				
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