Crosstown Parkway Segment 2B
Engineer's Probable Cost

P22-169

April 19, 2023

Item	Description	Segment 2B Quantity	Unit	Unit Cost	Subtotal Cost
104	NPDES COMPLIANCE (EROSION CONTROL)	1	LS	6,950	$ 6,950.00
104-12	STAKED SILT FENCE	9,250	LF	$ 5.43	$ 50,227.50
110-1-1	CLEARING & GRUBBING	16	AC	$ 19,814.80	$ 313,073.84
120-1	REGULAR EXCAVATION	1,203	CY	$ 9.64	$ 11,600.10
120-6	EMBANKMENT	21,695	CY	$ 13.48	$ 292,453.05
160-4	TYPE B STABILIZATION	25,283	SY	$ 5.22	$ 131,976.91
285-709	OPTIONAL BASE, BASE GROUP 09	24,136	SY	$ 18.45	$ 445,311.66
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	2,523	TN	$ 105.87	$ 267,110.01
337-7-83	ASPHALT CONCRETE FRICTION COURSE,TRAFFIC C, FC-12.5, PG 76-2	1,261	TN	$ 131.36	$ 165,644.96
425-1-551	INLETS, DT BOT, TYPE E, <10'	20	EA	$ 5,324.28	$ 106,485.60
425-1-553	INLETS, DT BOT, TYPE E, J BOT <10'	10	EA	$ 8,173.99	$ 81,739.90
425-1-554	INLETS, DT BOT, TYPE E, J BOT >10'	5	EA	$ 8,400.00	$ 42,000.00
430-175-118	PIPE CULVERT, HPPP, ROUND, 18"	1,485	LF	$ 95.32	$ 141,550.20
430-175-124	PIPE CULVERT, HPPP, ROUND, 24"	385	LF	$ 113.49	$ 43,693.65
430-175-130	PIPE CULVERT, HPPP, ROUND, 30"	600	LF	$ 144.29	$ 86,574.00
430-175-136	PIPE CULVERT, HPPP, ROUND, 36"	855	LF	$ 190.01	$ 162,458.55
430-175-142	PIPE CULVERT, HPPP, ROUND, 42"	1,558	LF	$ 206.84	$ 322,256.72
430-175-154	PIPE CULVERT, HPPP, ROUND, 54"	902	LF	$ 281.25	$ 253,687.50
430-175-160	PIPE CULVERT, HPPP, ROUND, 60"	65	LF	$ 348.60	$ 22,659.00
440-000	EDGEDRAIN	8,544	LF	$ 30.00	$ 256,320.00
440-000	EDGEDRAIN OUTFALL	28	AS	$ 300.00	$ 8,400.00
520-1-10	CONCRETE CURB & GUTTER, TYPE F	8,635	LF	$ 28.17	$ 243,247.95
520-2-10	CONCRETE CURB, HEADER	442	LF	$ 21.30	$ 9,414.60
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	7,774	SY	$ 48.73	$ 378,805.36
522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	133	SY	$ 60.28	$ 8,010.54
523-3	GREEN PATTERNED PAVEMENT (BIKE LANE)	797	SY	$ 105.00	$ 83,708.33
570-1-2	PERFORMANCE TURF, SOD	38,500	SY	$ 2.89	$ 111,265.00
700-1-11	(R01-01) STOP	1	AS	$ 420.32	$ 420.32
700-1-11	(R02-01) SPEED LIMIT SIGN (45 MPH) (24" X 30")	2	AS	$ 420.32	$ 840.64
700-1-11	(R4-7) KEEP RIGHT MEDIAN SIGN (24" X 30")	6	AS	$ 420.32	$ 2,521.92
700-1-11	(W01-07) TWO WAY DIRECTION ARROW	1	AS	$ 420.32	$ 420.32
700-1-11	(OM1-1) YELLOW REFLECTORS TYPE I	7	AS	$ 420.32	$ 2,942.24
700-1-60	SINGLE POST SIGN, REMOVE	7	AS	$ 40.84	$ 285.88
706-1-3	REFLECTIVE PAVEMENT MARKERS	100	EA	$ 3.64	$ 364.00
711-11-125	THERMOPLASTIC WHITE 24" SOLID LINE	65	LF	$ 5.42	$ 352.30
711-11-141	THERMOPLASTIC WHITE SKIP 6" (2-4')	0.29	GM	$ 2,175.38	$ 630.86
711-11-170	THERMOPLASTIC WHITE REGULAR ARROWS (THRU AND TURN)	25	EA	$ 68.79	$ 1,719.75
711-15-101	THERMOPLASTIC WHITE 6" SOLID LINE	1.6	GM	$ 5,257.88	$ 8,412.61
711-15-201	THERMOPLASTIC YELLOW 6" SOLID LINE	1.6	GM	$ 5,321.00	$ 8,513.60
Roadway Improvements Subtotal:					**$ 4,074,049.38**

Item	Description	Segment 2B Quantity	Unit	Unit Cost	Subtotal Cost
630-2-11	CONDUIT, OPEN TRENCH, F&I	3,970	LF	$ 12.58	$ 49,942.60
635-2-11	PULL & SPLICE BOX (F&I) (17" X 30")	3	EA	$ 879.88	$ 2,639.64
635-2-12	PULL & JUNCTION BOX (F&I) (24" X 36")	2	EA	$ 1,751.21	$ 3,502.42
1050-31-206	6" PVC WM	272	LF	$ 76.13	$ 20,707.36
1050-31-208	8" PVC WM	290	LF	$ 75.60	$ 21,924.00
1055-31-208	8" X 6" TEE	2	EA	$ 1,184.31	$ 2,368.62
1055-31-508	PLUG	2	EA	$ 505.77	$ 1,011.54
1055-31-616	WYE	2	EA	$ 280.00	$ 560.00
1080-21-116	METER/TEMP JUMP/BFP	2	EA	$ 540.00	$ 1,080.00
1080-23-116	16" X 6" TS&V	3	EA	$ 16,462.54	$ 49,387.62
1080-23-116	16" X 8" TS&V	2	EA	$ 16,462.54	$ 32,925.08
1080-24-106	6" GATE VALVE	5	EA	$ 2,541.25	$ 12,706.25
1080-24-108	8" GATE VALVE	2	EA	$ 2,474.97	$ 4,949.94
1080-25-102	2" BLOWOFF	2	AS	$ 3,000.00	$ 6,000.00
1080-32-102	SAMPLE POINTS	2	AS	$ 2,000.00	$ 4,000.00
1644-116-08	FIRE HYDRANT ASSEMBLY	5	AS	$ 5,794.33	$ 28,971.65
Utilities Subtotal:					**$ 242,676.72**
Subtotal Construction Costs:					**$4,316,726.10**

Item	Description	Segment 2B Quantity	Unit	Unit Cost	Subtotal Cost
101-1	MOBILIZATION		LS	5%	$ 226,628.12
102-1	MAINTENANCE OF TRAFFIC		LS	5%	$ 215,836.30

Segment 2B Total Construction Costs **$ 4,759,190.52**

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Crosstown Parkway Segment 2B
Engineer's Probable Cost

April 19, 2023

Segment 2B - Landscaping and Irrigation

Item	Description	Quantity	Unit	Unit Cost	Item Cost
580-1-0	2A1 & 2A2 CENTER MEDIAN TREES	91	EA	$ 350.00	$ 31,850.00
580-1-1	2A1 & 2A2 CENTER MEDIAN PALM TREES	146	EA	$ 200.00	$ 29,200.00
580-1-2	2A1 & 2A2 CENTER MEDIAN SHRUBS	5	EA	$ 30.00	$ 150.00
580-1-3	2A1 & 2A2 CENTER MEDIAN GROUNDCOVERS	1,379	EA	$ 15.00	$ 20,685.00
580-1-4	2A1 & 2A2 NORTH SIDE STREET TREES	109	EA	$ 350.00	$ 38,150.00
580-1-4	2A1 & 2A2 SOUTH SIDE STREET TREES	116	EA	$ 350.00	$ 40,600.00
590-70	2A1 & 2A2 IRRIGATION SYSTEM	1	LS	$ 197,600.00	$ 197,600.00
Landscaping and Irrigation Subtotal:					**$ 358,235.00**

Total Construction Costs **$ 5,117,425.52**

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The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent the Engineer's judgment as a design professional familiar with the construction industry. The Engineer can't and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

KEVIN TREPANIER, P.E. #94382
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PUBLIC WORKS DEPT.
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By: CCuffy_Public Works
Date: 08/03/2023 Time: 2:31:59 PM

Crosstown Parkway Segment 2B
Engineer's Probable Cost

October 27, 2023

Item	Description	Segment 2B Quantity	Unit	Unit Cost		Subtotal Cost	
110-1-1	CLEARING & GRUBBING	2	AC	$	33,390.65	$	75,074.89
160-4	TYPE B STABILIZATION	11,881	SY	$	7.93	$	94,216.33
285-709	OPTIONAL BASE, BASE GROUP 09	11,382	SY	$	28.12	$	320,061.84
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	1,197	TN	$	148.37	$	177,598.89
337-7-83	ASPHALT CONCRETE FRICTION COURSE,TRAFFIC C, FC-12.5, PG 76-2	599	TN	$	173.61	$	103,992.39
425-1-551	INLETS, DT BOT, TYPE E, <10'	7	EA	$	8,772.59	$	61,408.13
440-000	EDGEDRAIN	1,018	LF	$	30.00	$	30,540.00
440-000	EDGEDRAIN OUTFALL	5	AS	$	300.00	$	1,500.00
520-1-10	CONCRETE CURB & GUTTER, TYPE F	1,209	LF	$	46.73	$	56,496.57
520-2-10	CONCRETE CURB, HEADER	211	LF	$	39.25	$	8,281.75
700-1-60	SINGLE POST SIGN, REMOVE	7	AS	$	49.85	$	348.95
706-1-3	REFLECTIVE PAVEMENT MARKERS	201	EA	$	4.54	$	912.54
711-11-124	THERMOPLASTIC WHITE 18" SOLID LINE	120	EA	$	5.29	$	634.80
711-11-125	THERMOPLASTIC WHITE 24" SOLID LINE	36	LF	$	6.66	$	239.76
711-11-141	THERMOPLASTIC WHITE SKIP 6" (2-4')	0.1	GM	$	2,643.44	$	290.78
711-11-170	THERMOPLASTIC WHITE REGULAR ARROWS (THRU AND TURN)	15	EA	$	88.67	$	1,330.05
Roadway Improvements Subtotal:						**$**	**932,927.67**

Item	Description	Segment 2B Quantity	Unit	Unit Cost	Subtotal Cost	
101-1	MOBILIZATION		LS	5%	$	48,978.70
102-1	MAINTENANCE OF TRAFFIC		LS	5%	$	46,646.38

Segment 2B Construction Costs **$** **1,028,552.75**

Shaun G. MacKenzie LICENSE No. 61751 STATE OF FLORIDA PROFESSIONAL ENGINEER

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SHAUN MACKENZIE, P.E. #61751
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CITY OF PORT ST. LUCIE
PUBLIC WORKS DEPT.
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Total Const. cost = $6,145,978.27

Required Maintenance Bond (15%) = $921,896.74