

ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COSTS NW 23RD AVENUE (02-15-2022 90% PLANS)						
BID NUMBER	FDOT PAY ITEM NUMBER	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
ROADWAY PAY ITEMS						
1	101-1	MOBILIZATION	1	LS	\$ 1,236,337.05	\$ 1,236,337.05
2	102-1	MAINTENANCE OF TRAFFIC	1	LS	\$ 1,236,337.05	\$ 1,236,337.05
3	104-10-3	SEDIMENT BARRIER (STANDARD)	24,256	LF	\$ 1.65	\$ 39,901.12
4	107-2	MOWING	31	AC	\$ 37.68	\$ 1,168.08
5	110-1-1	CLEARING & GRUBBING	45	AC	\$ 18,035.89	\$ 811,615.05
6	110-7-1	MAILBOX (F&I) (SINGLE)	37	EA	\$ 165.87	\$ 6,137.01
7	120-1	REGULAR EXCAVATION	97,817	CY	\$ 10.72	\$ 1,048,109.16
8	120-6	EMBANKMENT	67,395	CY	\$ 12.20	\$ 821,882.03
9	160-4	TYPE 'B' STABILIZATION (12")	65,469	SY	\$ 6.26	\$ 409,508.60
10	285-709	OPTIONAL BASE GROUP 09 (10")	57,544	SY	\$ 19.51	\$ 1,122,395.72
11	327-70-4	MILLING EXISTING ASPHALT PAVEMENT (3" AVG DEPTH)	2,937	SY	\$ 1.53	\$ 4,493.61
12	327-70-6	MILLING EXISTING ASPHALT PAVEMENT (1 1/2" AVG DEPTH)	1,824	SY	\$ 1.59	\$ 2,900.16
13	334-1-53A	SUPERPAVE ASPHALTIC CONCRETE (TYPE SP-12.5) (TRAFFIC C) (PG 76-22) (1.5")	243	TN	\$ 110.88	\$ 26,943.84
14	334-1-53B	SUPERPAVE ASPHALTIC CONCRETE (TYPE SP-12.5) (TRAFFIC C) (PG 76-22) (2")	6,117	TN	\$ 110.88	\$ 678,252.96
15	337-7-83	ASPHALTIC CONCRETE FRICTION COURSE (TYPE FC-12.5) (TRAFFIC C) (PG 76-22) (1.5")	4,864	TN	\$ 125.15	\$ 608,729.60
16	400-0-11	CONCRETE CLASS NS (GRAVITY WALL)	847	CY	\$ 753.97	\$ 638,612.59
17	400-1-11	CONCRETE CLASS I (RETAINING WALLS)	252	CY	\$ 1,277.29	\$ 321,877.08
18	425-1-311	INLETS (CURB) (TYPE P-1) (<=10')	40	EA	\$ 8,199.98	\$ 327,999.20
19	425-1-321	INLETS (CURB) (TYPE P-2) (<=10')	6	EA	\$ 5,812.96	\$ 34,877.76
20	425-1-331	INLETS (CURB) (TYPE P-3) (<=10')	3	EA	\$ 6,803.89	\$ 20,411.67
21	425-1-411	INLETS (CURB) (TYPE J-1) (<=10')	5	EA	\$ 8,862.53	\$ 44,312.65
22	425-1-421	INLETS (CURB) (TYPE J-2) (<=10')	2	EA	\$ 13,400.00	\$ 26,800.00
23	425-1-521	INLETS (DBI) (TYPE C) (<=10')	23	EA	\$ 4,279.81	\$ 98,435.52
24	425-1-551	INLETS (DBI) (TYPE E) (<=10')	3	EA	\$ 4,900.13	\$ 14,700.38
25	425-1-581A	INLETS (DBI) (TYPE H) (2-GRATE) (<=10')	1	EA	\$ 8,550.00	\$ 8,550.00
26	425-1-581B	INLETS (DBI) (TYPE H) (4-GRATE) (<=10')	1	EA	\$ 10,000.00	\$ 10,000.00
27	425-2-61	MANHOLE (P-8) (<=10')	13	EA	\$ 4,796.93	\$ 62,360.09
28	425-2-62	MANHOLE (P-8) (>10')	1	EA	\$ 5,886.95	\$ 5,886.95
29	425-2-91	MANHOLE (J-8) (<=10')	1	EA	\$ 8,355.49	\$ 8,355.49
30	425-2-92	MANHOLE (J-8) (>10')	1	EA	\$ 13,132.97	\$ 13,132.97
31	430-175-118	PIPE CULVERT (OPTIONAL MATERIAL) (ROUND) (18") (S/CD)	6,318	LF	\$ 96.05	\$ 606,812.31
32	430-175-124	PIPE CULVERT (OPTIONAL MATERIAL) (ROUND) (24") (S/CD)	3,767	LF	\$ 117.97	\$ 444,392.99
33	430-175-130	PIPE CULVERT (OPTIONAL MATERIAL) (ROUND) (30") (S/CD)	1,250	LF	\$ 148.76	\$ 185,950.00
34	430-175-142	PIPE CULVERT (OPTIONAL MATERIAL) (ROUND) (42") (S/CD)	655	LF	\$ 212.44	\$ 139,148.20
35	430-518-100	STRAIGHT CONCRETE ENDWALL (18") (SINGLE) (0 DEGREES) (ROUND)	2	EA	\$ 3,699.01	\$ 7,398.02
36	430-530-100	STRAIGHT CONCRETE ENDWALL (30") (SINGLE) (0 DEGREES) (ROUND)	1	EA	\$ 3,919.60	\$ 3,919.60
37	430-984-125	MITERED END SECTION (OPTIONAL ROUND) (18") (SD)	8	EA	\$ 1,688.30	\$ 13,506.40
38	430-984-129	MITERED END SECTION (OPTIONAL ROUND) (24") (SD)	1	EA	\$ 2,014.22	\$ 2,014.22
39	430-984-133	MITERED END SECTION (OPTIONAL ROUND) (30") (SD)	5	EA	\$ 3,465.58	\$ 17,327.88
40	430-984-140	MITERED END SECTION (OPTIONAL ROUND) (42") (SD)	1	EA	\$ 8,500.00	\$ 8,500.00
41	515-1-2	PIPE HANDRAIL (GUIDERAIL) (ALUMINUM)	943	LF	\$ 65.79	\$ 62,039.97
42	515-2-311	PEDESTRIAN/BICYCLE RAILING (ALUMINUM) (42" TYPE 1)	1,174	LF	\$ 75.55	\$ 88,695.70
43	520-1-7	CONCRETE CURB & GUTTER (TYPE E)	7,462	LF	\$ 34.60	\$ 258,185.20
44	520-1-10	CONCRETE CURB & GUTTER (TYPE F)	18,044	LF	\$ 26.44	\$ 477,083.36
45	521-8-3	CONCRETE TRAFFIC RAILING BARRIER WITH JUNCTION SLAB (32" VERTICAL FACE)	3,272	LF	\$ 381.39	\$ 1,247,908.08
46	522-1	CONCRETE SIDEWALK AND DRIVEWAYS (4" THICK)	9,718	SY	\$ 44.93	\$ 436,581.15
47	522-2	CONCRETE SIDEWALK AND DRIVEWAYS (6" THICK)	1,229	SY	\$ 58.20	\$ 71,521.66
48	527-2	DETECTABLE WARNINGS	549	SF	\$ 30.27	\$ 16,615.49
49	550-10-110	FENCING (TYPE A) (0.0'-5.0') (STANDARD)	1,157	LF	\$ 11.00	\$ 12,727.00
50	550-10-130	FENCING (TYPE A) (6.1'-7.0') (STANDARD)	483	LF	\$ 14.00	\$ 6,762.00
51	550-10-210	FENCING (TYPE B) (0.0'-5.0') (STANDARD)	1,642	LF	\$ 31.99	\$ 52,527.58
52	550-10-220	FENCING (TYPE B) (5.1'-6.0') (STANDARD)	595	LF	\$ 23.89	\$ 14,214.55
53	550-10-222	FENCING (TYPE B) (5.1'-6.0') (W/ VINYL COATING)	379	LF	\$ 31.10	\$ 11,786.90
54	550-10-410	FENCING (WOOD FENCE) (0.0'-5.0')	1,583	LF	\$ 39.48	\$ 62,496.84
55	550-10-420	FENCING (WOOD FENCE) (5.1'-6.0')	566	LF	\$ 60.00	\$ 33,960.00
56	570-1-2	PERFORMANCE TURF (SOD)	148,000	SY	\$ 3.02	\$ 446,960.00
ROADWAY SUB-TOTAL =						\$ 14,420,058.45

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BID NUMBER	FDOT PAY ITEM NUMBER	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
SIGNING & MARKING PAY ITEMS						
1	700-1-11	SINGLE POST SIGN (F&I) (GROUND MOUNT) (<12 SF)	32	AS	\$ 453.16	\$ 14,500.96
2	700-1-12	SINGLE POST SIGN (F&I) (GROUND MOUNT) (12-20 SF)	6	AS	\$ 1,469.80	\$ 8,818.80
3	700-1-50	SINGLE POST SIGN (RELOCATE)	11	AS	\$ 319.82	\$ 3,518.02
4	700-1-60	SINGLE POST SIGN (REMOVE)	26	AS	\$ 54.16	\$ 1,408.03
5	705-11-1	DELINEATOR, FLEXIBLE TUBULAR	22	EA	\$ 88.96	\$ 1,957.12
6	706-1-3	RETROREFLECTIVE PAVEMENT MARKER (TYPE B)	622	EA	\$ 3.59	\$ 2,229.87
7	710-90	PAINTED PAVEMENT MARKING (FINAL SURFACE)	1	LS	\$ 94,552.01	\$ 94,552.01
8	711-11-101	THERMOPLASTIC (STANDARD) (WHITE) (SOLID) (6")	9.412	GM	\$ 4,226.93	\$ 39,783.82
9	711-11-102	THERMOPLASTIC (STANDARD) (WHITE) (SOLID) (8") (FOR CHANNELIZING LINES)	1.002	GM	\$ 5,936.73	\$ 5,948.60
10	711-11-123	THERMOPLASTIC (STANDARD) (WHITE) (SOLID) (12") (FOR CROSSWALKS)	2,940	LF	\$ 2.96	\$ 8,687.70
11	711-11-124	THERMOPLASTIC (STANDARD) (WHITE) (SOLID) (18") (FOR DIAGONALS AND CHEVRONS)	1,931	LF	\$ 3.94	\$ 7,608.14
12	711-11-125	THERMOPLASTIC (STANDARD) (WHITE) (SOLID) (24") (FOR STOP LINE AND CROSSWALK)	345	LF	\$ 5.66	\$ 1,952.70
13	711-11-131	THERMOPLASTIC (STANDARD) (WHITE) (10-30 SKIP) (6")	0.043	GM	\$ 2,216.75	\$ 95.32
14	711-11-141	THERMOPLASTIC (STANDARD) (WHITE) (2-4 DOTTED GUIDELINE / 6-10 GAP EXTENSION) (6")	0.379	GM	\$ 2,208.81	\$ 837.14
15	711-11-160	THERMOPLASTIC (STANDARD) (WHITE) (MESSAGE OR SYMBOL)	23	EA	\$ 128.98	\$ 2,966.54
16	711-11-170	THERMOPLASTIC (STANDARD) (WHITE) (ARROW)	85	EA	\$ 65.52	\$ 5,568.78
17	711-11-201	THERMOPLASTIC (STANDARD) (YELLOW) (SOLID) (6")	3.525	GM	\$ 4,187.84	\$ 14,762.14
18	711-11-224	THERMOPLASTIC (STANDARD) (YELLOW) (SOLID) (18" FOR DIAGONAL OR CHEVRONS)	1,508	LF	\$ 4.21	\$ 6,341.14
SIGNING & MARKING SUB-TOTAL =						\$ 221,536.82

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BID NUMBER	FDOT PAY ITEM NUMBER	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
SIGNALIZATION PAY ITEMS						
1	630-2-11	CONDUIT (F&I) (OPEN TRENCH)	693	LF	\$ 10.00	\$ 6,926.54
2	630-2-12	CONDUIT (F&I) (DIRECTIONAL BORE)	105	LF	\$ 21.17	\$ 2,222.33
3	632-7-1	SIGNAL CABLE - NEW OR RECONSTRUCTED INTERSECTION (F&I)	1	PI	\$ 6,629.50	\$ 6,629.50
4	632-7-6	SIGNAL CABLE (REMOVE - INTERSECTION)	1	PI	\$ 851.61	\$ 851.61
5	634-4-153	SPAN WIRE ASSEMBLY (F&I) (TWO POINT) (BOX OR DROP BOX)	1	PI	\$ 8,693.50	\$ 8,693.50
6	635-2-11	PULL & SPLICE BOX (F&I) (13"x24" COVER SIZE)	9	EA	\$ 846.46	\$ 7,618.14
7	639-1-122	ELECTRICAL POWER SERVICE (F&I) (UNDERGROUND) (METER PURCHASED BY CONTRACTOR)	1	AS	\$ 3,013.11	\$ 3,013.11
8	639-1-610	ELECTRICAL POWER SERVICE (REMOVE OVERHEAD)	1	AS	\$ 709.33	\$ 709.33
9	639-2-1	ELECTRICAL SERVICE WIRE (F&I)	500	LF	\$ 6.60	\$ 3,297.50
10	639-2-6	ELECTRICAL SERVICE WIRE (REMOVE)	500	LF	\$ 0.85	\$ 425.00
11	639-3-11	ELECTRICAL SERVICE DISCONNECT (F&I) (POLE MOUNT)	1	EA	\$ 1,168.76	\$ 1,168.76
12	641-2-18	PRESTRESSED CONCRETE POLE (F&I) (TYPE P-VIII)	4	EA	\$ 13,432.77	\$ 53,731.08
13	641-2-60	PRESTRESSED CONCRETE POLE (COMPLETE POLE REMOVAL - PEDESTAL/SERVICE POLE)	1	EA	\$ 898.39	\$ 898.39
14	641-2-80	PRESTRESSED CONCRETE POLE (COMPLETE POLE REMOVAL - POLE 30' AND GREATER)	2	EA	\$ 4,641.52	\$ 9,283.04
15	646-1-11	ALUMINUM SIGNALS POLE (PEDESTAL)	4	EA	\$ 1,958.85	\$ 7,835.38
16	650-1-14	VEHICULAR TRAFFIC SIGNAL (F&I) (ALUMINUM) (3 SECTION) (1 WAY)	5	AS	\$ 1,052.86	\$ 5,264.30
17	650-1-16	VEHICULAR TRAFFIC SIGNAL (F&I) (ALUMINUM) (4 SECTION) (1 WAY)	1	AS	\$ 1,330.31	\$ 1,330.31
18	650-1-19	VEHICULAR TRAFFIC SIGNAL (F&I) (ALUMINUM) (5 SECTION CLUSTER) (1 WAY)	2	AS	\$ 1,669.91	\$ 3,339.82
19	653-1-11	PEDESTRIAN SIGNAL (F&I) (LED COUNTDOWN) (1 WAY)	4	AS	\$ 725.66	\$ 2,902.64
20	660-4-11	VEHICLE DETECTION SYSTEM- VIDEO (F&I) (CABINET EQUIPMENT)	1	EA	\$ 7,752.44	\$ 7,752.44
21	665-1-11	PEDESTRIAN DETECTOR (F&I) (STANDARD)	4	EA	\$ 270.48	\$ 1,081.92
22	670-5-110	TRAFFIC CONTROLLER ASSEMBLY (F&I) (NEMA)	1	AS	\$ 32,839.71	\$ 32,839.71
23	670-5-600	TRAFFIC CONTROLLER ASSEMBLY (REMOVE CONTROLLER WITH CABINET)	1	AS	\$ 717.93	\$ 717.93
24	682-1-133	ITS CCTV CAMERA (F&I) (DOME ENCLOSURE - NON-PRESSURIZED) (IP) (HIGH DEFINITION)	1	EA	\$ 7,124.53	\$ 7,124.53
25	684-1-1	MANAGED FIELD ETHERNET SWITCH (F&I)	1	EA	\$ 3,862.45	\$ 3,862.45
26	700-3-202	SIGN PANEL (F&I) (OVERHEAD MOUNT) (12-20 SF)	1	EA	\$ 870.18	\$ 870.18
27	700-3-203	SIGN PANEL (F&I) (OVERHEAD MOUNT) (21-30 SF)	2	EA	\$ 1,346.52	\$ 2,693.04
28	700-11-391	ELECTRIC DISPLAY SIGN (F&I) (OVERHEAD MOUNT) (AC POWERED) (BLANK OUT SIGN) (<12 SF)	2	EA	\$ 5,683.46	\$ 11,366.92
SIGNALIZATION SUB-TOTAL =						\$ 194,449.38
TOTAL CONSTRUCTION COST						\$ 14,836,045
PROJECT CONTINGENCY (10%)						\$ 1,483,600
GRAND TOTAL						\$ 16,319,645
NOTES:						
THE UNIT PRICES WERE DEVELOPED BY REFERENCING THE FOLLOWING:						
(1) FDOT 12-MONTH MOVING AVERAGE COST - STATEWIDE BETWEEN 01/01/2021 AND 12/31/2021						
(2) FDOT 12-MONTH MOVING AVERAGE COST - AREA 06 BETWEEN 01/01/2021 AND 12/31/2021						
BID ITEMS 1 AND 2 WERE DETERMINED BASED UPON THE FOLLOWING PERCENTAGES OF ROADWAY AND BRIDGE CONSTRUCTION COSTS:						
(1) MOBILIZATION - 10% OF CONSTRUCTION COSTS						
(2) MAINTENANCE OF TRAFFIC - 10% OF CONSTRUCTION COSTS						
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 ONLY THE ENGINEER'S JUDGMENT AS A DESIGN PROFESSIONAL FAMILIAR WITH THE CONSTRUCTION INDUSTRY. THE ENGINEER CANNOT AND DOES NOT GUARANTEE THAT PROPOSALS, BIDS, OR ACTUAL CONSTRUCTION COSTS WILL NOT VARY FROM ITS OPINIONS OF PROBABLE COSTS.						