

**SIMPSON ROAD SOUTH  
OPINION OF PROBABLE CONSTRUCTION COSTS  
SIGNALIZATION  
US 192 TO FORTUNE ROAD**

Simpson Road 2

Wednesday, May 12, 2021

**OPINION OF PROBABLE PROJECT COSTS**

*Since the Engineer has no control over time, labor and material cost furnished by others, or over methods of determining prices, or market conditions, all opinions rendered herein as to cost, represent its best judgement; the Engineer cannot guarantee that actual cost will not vary from this opinion of cost.*

ITEM NO.	ITEM	UNIT	PROJECT QUANTITY	UNIT COST	ENGINEER'S OPC
<b>Signaling and Pavement Marking</b>					
700-1-11	Single Post Sign, F&I Ground Mount, Up to 12 SF	AS	37	\$ 363.06	\$ 13,434.00
700-1-12	Single Post Sign, F&I Ground Mount, 12-20 SF	AS	20	\$ 1,169.83	\$ 23,397.00
700-1-13	Single Post Sign, F&I Ground Mount, 21-30 SF	AS	2	\$ 1,580.83	\$ 3,162.00
700-1-60	Single Post Sign, Remove	AS	49	\$ 39.15	\$ 1,919.00
700-2-12	Multi-Post Sign, F&I Ground Mount, 12-20 SF	AS	2	\$ 3,390.81	\$ 6,782.00
700-2-60	Multi-Post Sign, Remove	AS	2	\$ 748.44	\$ 1,497.00
704-1-2	Tubular Marker, Durable, 36" Yellow Post	EA	7	\$ 73.08	\$ 512.00
705-10-1	Object Marker, Type 1	EA	21	\$ 182.56	\$ 3,834.00
706-1-1	Raised Pavement Marker, Type B Without Final Surface Markings	EA	1595	\$ 5.21	\$ 8,310.00
710-11-101	Painted Pavement Markings, Standard, White, Solid, 6"	GM	6,299	\$ 1,003.99	\$ 6,325.00
710-11-102	Painted Pavement Markings, Standard, White, Solid, 8" for Interchange and Urban Island	GM	0.159	\$ 1,490.71	\$ 238.00
710-11-103	Painted Pavement Markings, Standard, White, Solid, 12" for Interchange Markings	GM	0.081	\$ 2,119.64	\$ 172.00
710-11-123	Painted Pavement Markings, Standard, White, Solid for Crosswalk and Roundabout, 12"	LF	3851	\$ 0.88	\$ 3,389.00
710-11-124	Painted Pavement Markings, Standard, White, Solid, 18" for Diagonals and Chevrons	LF	222	\$ 1.35	\$ 300.00
710-11-125	Painted Pavement Markings, Standard, White, Solid for Stop Line or Crosswalk, 24"	LF	4429	\$ 1.74	\$ 7,707.00
710-11-131	Painted Pavement Markings, Standard, White, Skip, 10-30 or 3-9 Skip, 6" Wide	GM	6.084	\$ 461.49	\$ 2,808.00
710-11-133	Painted Pavement Markings, Standard, White, 3'-9" Skip Drop Line and Approach to Toll Plaza	GM	0.078	\$ 1,069.56	\$ 84.00
710-11-141	Painted Pavement Markings, Standard, White, 2-4 Dotted Guideline/ 6-10 Dotted Extension,	GM	0.267	\$ 528.54	\$ 142.00
710-11-160	Painted Pavement Markings, Standard, White, Message or Symbol	EA	5	\$ 54.78	\$ 274.00
710-11-170	Painted Pavement Markings, Standard, White, Arrow	EA	79	\$ 32.29	\$ 2,551.00
710-11-201	Painted Pavement Markings, Yellow, Solid, 6"	GM	5,291	\$ 1,087.68	\$ 5,755.00
710-11-224	Painted Pavement Markings, Yellow, Solid for Diagonal or Chevron, 18"	LF	300	\$ 1.33	\$ 399.00
710-11-241	Painted Pavement Markings, Yellow, 2-4 Dotted Guideline/6-10 Dotted Extension, 6"	GM	0.069	\$ 1,000.28	\$ 70.00
710-11-290	Painted Pavement Markings, Yellow, Island Nose	SF	625	\$ 2.56	\$ 1,600.00
711-11-102	Thermoplastic, Standard, White, Solid, 8" for Interchange and Urban Island	GM	0.159	\$ 5,748.87	\$ 915.00
711-11-103	Thermoplastic, Standard, White, Solid, 12" for Interchange Markings	GM	0.081	\$ 9,092.20	\$ 741.00
711-11-123	Thermoplastic, Standard, White, Solid for Crosswalk and Roundabout, 12"	LF	3851	\$ 2.49	\$ 9,589.00
711-11-124	Thermoplastic, Standard, White, Solid, 18" for Diagonals and Chevrons	LF	222	\$ 3.43	\$ 762.00
711-11-125	Thermoplastic, Standard, White, Solid, 24" for Stop Line and Crosswalk	LF	1169	\$ 4.07	\$ 4,758.00
711-11-141	Thermoplastic, Standard, White, 2-4 Dotted Guideline/ 6-10 Dotted Extension, 6"	GM	0.267	\$ 1,988.64	\$ 531.00
711-11-160	Thermoplastic, Standard, White, Message or Symbol	EA	5	\$ 164.12	\$ 821.00
711-11-170	Thermoplastic, Standard, White, Arrow	EA	79	\$ 63.32	\$ 5,003.00
711-11-224	Thermoplastic, Standard, Yellow, Solid, 18" for Diagonal or Chevron	LF	300	\$ 3.59	\$ 1,077.00
711-11-241	Thermoplastic, Standard, Yellow, 2-4 Dotted Guide Line/ 6-10 Dotted Extension Line, 6"	GM	0.069	\$ 2,260.96	\$ 156.00
711-14-123	Thermoplastic, Preformed, White, Solid, 12" for Crosswalk	LF	3847	\$ 7.69	\$ 29,584.00
711-14-125	Thermoplastic, Preformed, White, Solid, 24" for Crosswalk	LF	3260	\$ 14.53	\$ 47,368.00
711-16-101	Thermoplastic, Standard-Other Surfaces, White, Solid, 6"	GM	6,299	\$ 4,129.34	\$ 26,011.00
711-16-131	Thermoplastic, Other Surfaces, White, Skip, 6", 10-30 Skip or 3-9 Lane Drop	GM	6.084	\$ 1,617.10	\$ 9,838.00
711-16-133	Thermoplastic, Standard-Other Surfaces, White, Skip, 12"- Approach To Toll Plaza Or 3-9 Lane Drop	GM	0.078	\$ 2,936.25	\$ 229.00
711-16-201	Thermoplastic, Standard-Other Surfaces, Yellow, Solid, 6"	GM	5,291	\$ 4,195.86	\$ 22,200.00
711-17-1	Thermoplastic, Remove Existing Thermoplastic Pavement Markings- Surface To Remain	SF	1270	\$ 1.60	\$ 2,032.00
<b>TOTAL SIGNING &amp; MARKING</b>					<b>\$ 224,462.00</b>

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FDOT PAY ITEM NO.	ITEM DESCRIPTION	UNIT	PROJECT QUANTITY	UNIT COST	ENGINEER'S OPC
<b>Signals</b>					
630-2-11	Conduit, Furnish & Install, Open Trench	LF	612	\$ 8.13	\$ 4,976.00
630-2-12	Conduit, Furnish & Install, Directional Bore	LF	2055	\$ 25.48	\$ 52,362.00
632-7-1	Signal Cable - New or Reconstructed Intersection, Furnish & Install	PI	6	\$ 6,337.13	\$ 38,023.00
635-2-11	Pull & Splice Box, F&I, 13" x 24" Cover Size	EA	74	\$ 781.95	\$ 57,865.00
639-1-122	Electrical Power Service, F&I, Underground, Meter Purchased by Contractor	AS	4	\$ 4,229.37	\$ 16,918.00
639-2-1	Electrical Service Wire	LF	46	\$ 7.17	\$ 330.00
641-2-12	Prestressed Concrete Pole, F&I, Type P-II Service Pole	EA	4	\$ 1,577.96	\$ 6,312.00
641-2-60	Prestressed Concrete Pole, Complete Pole Removal Pedestal/Service Pole	EA	6	\$ 5,656.15	\$ 33,937.00
646-1-11	Aluminum Signals Pole, Pedestal	EA	27	\$ 1,863.37	\$ 50,311.00
646-1-60	Aluminum Signals Pole, Remove	EA	10	\$ 236.66	\$ 2,367.00
649-21-1	Steel Mast Arm Assembly, Furnish and Install, Single Arm, 30'	EA	1	\$ 35,758.76	\$ 35,759.00
649-21-3	Steel Mast Arm Assembly, Furnish and Install, Single Arm, 40'	EA	3	\$ 42,008.22	\$ 126,025.00
649-21-6	Steel Mast Arm Assembly, Furnish and Install, Double Arm, 50'	EA	3	\$ 40,935.88	\$ 122,808.00
649-21-9	Steel Mast Arm Assembly, Furnish and Install, Double Arm, 50' - 50'	EA	1	\$ 49,272.80	\$ 49,273.00
649-21-10	Steel Mast Arm Assembly, Furnish and Install, Single Arm, 60'	EA	8	\$ 46,647.12	\$ 373,177.00
649-21-14	Steel Mast Arm Assembly, Furnish and Install, Double Arm, 60' - 60'	EA	1	\$ 71,031.65	\$ 71,032.00
649-21-15	Steel Mast Arm Assembly, Furnish and Install, Single Arm, 70'	EA	2	\$ 54,750.18	\$ 109,501.00
649-21-18	Steel Mast Arm Assembly, Furnish and Install, Double Arm 70'-50'	EA	1	\$ 59,000.00	\$ 59,000.00
649-21-21	Steel Mast Arm Assembly, Furnish and Install, Single Arm, 78'	EA	1	\$ 56,402.36	\$ 56,403.00
649-26-3	Steel Mast Arm Assembly, Remove, Shallow Foundation - Bolt On Attachment	EA	12	\$ 3,001.29	\$ 36,016.00
650-1-14	Vehicular Traffic Signal, Furnish & Install Aluminum, 3 Section, 1 Way	AS	62	\$ 1,073.38	\$ 66,550.00
650-1-16	Vehicular Traffic Signal, Furnish & Install Aluminum, 4 Section, 1 Way	AS	11	\$ 1,262.54	\$ 13,888.00
650-1-19	Vehicular Traffic Signal, Furnish & Install Aluminum, 5 Section, 1 Way	AS	1	\$ 1,710.16	\$ 1,711.00
653-1-11	Pedestrian Signal, Furnish & Installed Led Countdown, 1 Way	AS	8	\$ 686.02	\$ 5,489.00
653-1-12	Pedestrian Signal, Furnish & Installed Led Countdown, 2 Ways	AS	21	\$ 1,445.47	\$ 30,355.00
660-3-12	Vehicle Detection System - Microwave, Furnish & Install Above Ground Equipment	EA	4	\$ 8,535.81	\$ 34,144.00
660-4-11	Vehicle Detection System - Video, Furnish & Install Cabinet Equipment	EA	5	\$ 6,801.78	\$ 34,009.00
660-4-12	Vehicle Detection System - Video, Furnish & Install Above Ground Equipment	EA	20	\$ 6,801.78	\$ 136,036.00
660-4-51	Vehicle Detection System - Video, Adjust/Modify Cabinet Equipment	EA	1	\$ 1,242.40	\$ 1,243.00
663-1-121	Signal Priority and Preemption System, F&I, GPS, Replace Cabinet Electronics	EA	5	\$ 5,852.80	\$ 29,264.00
663-1-122	Signal Priority and Preemption System, F&I, GPS, Detector	EA	5	\$ 5,107.03	\$ 25,536.00
663-1-500	Signal Priority and Preemption System, Adjust/Modify	EA	1	\$ 264.44	\$ 265.00
665-1-11	Pedestrian Detector, Furnish & Install, Standard	EA	46	\$ 322.88	\$ 14,853.00
670-5-111	Traffic Controller Assembly, F&I, NEMA 1 Preemption	AS	5	\$ 30,213.79	\$ 151,069.00
670-5-600	Traffic Controller Assembly, Remove Controller With Cabinet	AS	3	\$ 743.86	\$ 2,232.00
684-1-1	Managed Field Ethernet Switch, Furnish & Install	EA	5	\$ 5,252.92	\$ 26,265.00
685-1-12	Uninterruptible Power Supply, Furnish and Install, Online/Double Conversion	EA	5	\$ 4,278.27	\$ 21,392.00
700-5-22	Internally Illuminated Sign, Furnish & Install, Overhead Mount, 12-18 SF	EA	21	\$ 4,134.13	\$ 86,817.00
<b>TOTAL SIGNALIZATION</b>					<b>\$ 1,983,513.00</b>