

DuPage County Division of Transportation
Project: **2020-2021 Traffic Signal & Street Light Maint.** Sec. No: **20-TSMTC-02-GM**
Date of Letting: **August 27, 2019 2:00 P.M.**

Item No.	Items	Unit	Quantity	Engineer's Estimate		Meade, Inc. 625 Willowbrook Ctr Pkwy Willowbrook, IL 60527		H&H Electric Company 2830 Commerce Street Franklin Park, IL 60131	
				Unit Price	Total	Unit Price	Total	Unit Price	Total
T-1	TRAFFIC SIGNAL LOCATION	EACH	2952	\$180.00	531,360.00	\$249.97	737,911.44	\$344.79	1,017,820.08
T-2	SPAN WIRE TRAFFIC SIGNAL LOCATION	EACH		\$180.00	0.00	\$153.00	0.00	\$338.13	0.00
T-3	FLASHING BEACON, OVERHEAD MOUNT	EACH		\$40.00	0.00	\$35.00	0.00	\$31.73	0.00
T-4	FLASHING BEACON, LOW MOUNT	EACH		\$15.00	0.00	\$5.00	0.00	\$6.35	0.00
T-5	LAYER II (DATALINK) SWITCH	EACH		\$15.00	0.00	\$2.50	0.00	\$13.29	0.00
T-6	LAYER III (NETWORK) SWITCH	EACH		\$15.00	0.00	\$1.00	0.00	\$6.35	0.00
T-7	REMOTE CONTROLLED VIDEO SYSTEM	EACH		\$15.00	0.00	\$1.00	0.00	\$25.38	0.00
T-8	PEDESTRIAN CROSSING SIGNAL LOCATION	EACH		\$90.00	0.00	\$70.00	0.00	\$63.46	0.00
T-9	FIRE STATION SIGNAL LOCATION	EACH	24	\$110.00	2,640.00	\$97.00	2,328.00	\$63.46	1,523.04
L-1	LUMINAIRE	EACH	5184	\$8.00	41,472.00	\$5.89	30,533.76	\$2.23	11,560.32
L-2	UNDERPASS LIGHTING	EACH		\$7.50	0.00	\$4.83	0.00	\$1.79	0.00
L-3	SIGN LIGHTING	EACH		\$35.00	0.00	\$63.00	0.00	\$126.92	0.00
L-4	WASHINGTON STREET NO PARKING SIGNS SYSTEM COMPLETE	EACH		\$30.00	0.00	\$70.00	0.00	\$126.92	0.00
PS-1	PUMP STATION	EACH		\$4,100.00	0.00	\$1,975.00	0.00	\$4,999.86	0.00
EW-1	BUDGETARY ALLOWANCE FOR EXTRA WORK	L SUM	100000	\$1.00	100,000.00	\$1.00	100,000.00	\$1.00	100,000.00
KD-1	BUDGETARY ALLOWANCE FOR KNOCKDOWNS	L SUM		\$1.00	0.00	\$1.00	0.00	\$1.00	0.00
EQ-1	SIGNAL HEAD, LED, 1-FACE, 1-SECTION	EACH		\$100.00	0.00	\$1.00	0.00	\$0.01	0.00
EQ-2	SIGNAL HEAD, LED, 1-FACE, 3-SECTION	EACH	16	\$200.00	3,200.00	\$1.00	16.00	\$0.01	0.16
EQ-3	SIGNAL HEAD, LED, 1-FACE, 4-SECTION	EACH	4	\$300.00	1,200.00	\$1.00	4.00	\$0.01	0.04
EQ-4	SIGNAL HEAD, LED, 1-FACE, 5-SECTION	EACH	16	\$400.00	6,400.00	\$1.00	16.00	\$0.01	0.16
EQ-5	RELOCATE EXISTING TRAFFIC SIGNAL HEAD	EACH	12	\$100.00	1,200.00	\$1.00	12.00	\$0.01	0.12
EQ-6	TRAFFIC SIGNAL BACKPLATE	EACH	16	\$150.00	2,400.00	\$1.00	16.00	\$0.01	0.16
EQ-7	TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	16	\$200.00	3,200.00	\$135.00	2,160.00	\$0.01	0.16
EQ-8	RELAMP COMBINATION STREET LIGHTING - LED	EACH	4	\$500.00	2,000.00	\$1.00	4.00	\$0.01	0.04
EQ-9	RELAMP COMBINATION SREET LIGHTING - HPS	EACH	4	\$500.00	2,000.00	\$1.00	4.00	\$0.01	0.04
EQ-10	PED HEAD, LED	EACH		\$600.00	0.00	\$1.00	0.00	\$0.01	0.00
EQ-11	PED HEAD, LED, COUNTDOWN	EACH	16	\$650.00	10,400.00	\$227.00	3,632.00	\$0.01	0.16
EQ-12	PEDESTRIAN PUSH BUTTON	EACH	16	\$350.00	5,600.00	\$1.00	16.00	\$0.01	0.16
EQ-13	AUDIBLE/ACCESSIBLE PEDESTRIAN SIGNALS (APS) (COMPLETE INTERSECTION)	EACH	1	\$14,000.00	14,000.00	\$3,000.00	3,000.00	\$0.01	0.01
EQ-14	RELOCATE EXISTING PEDESTRIAN PUSH BUTTON	EACH	4	\$200.00	800.00	\$1.00	4.00	\$0.01	0.04
EQ-15	EMERGENCY VEHICLE PREEMPTION SYSTEM	EACH	1	\$7,500.00	7,500.00	\$1.00	1.00	\$0.01	0.01
EQ-16	INSTALL SPAN WIRE TRAFFIC SIGNAL, FOUR APPROACHES OR LESS	EACH	1	\$75,000.00	75,000.00	\$100.00	100.00	\$0.01	0.01
EQ-17	REMOVE EXISTING SPAN WIRE TRAFFIC SIGNAL, FOUR APPROACHES OR LESS	EACH		\$6,000.00	0.00	\$1.00	0.00	\$0.01	0.00
EQ-18	FULL ACTUATED CONTROLLER	EACH	2	\$5,000.00	10,000.00	\$2,000.00	4,000.00	\$0.01	0.02
EQ-19	INSTALL EXISTING TRAFFIC SIGNAL CONTROLLER	EACH	3	\$1,000.00	3,000.00	\$1.00	3.00	\$0.01	0.03
EQ-20	INSTALL UPDATED PROM SET AT LOCAL OR MASTER CONTROLLER	EACH	2	\$1,000.00	2,000.00	\$300.00	600.00	\$0.01	0.02
EQ-21	UPGRADE EXISTING LOCAL CONTROLLER SOFTWARE TO NTCIP	EACH	1	\$750.00	750.00	\$300.00	300.00	\$0.01	0.01
EQ-22	FULL-ACTUATED CONTROLLER IN TYPE IV CABINET, NEMA TS-2	EACH	1	\$22,000.00	22,000.00	\$8,000.00	8,000.00	\$0.01	0.01
EQ-23	FULL-ACTUATED CONTROLLER IN TYPE IV CABINET, NEMA TS-2, SPECIAL	EACH	1	\$25,000.00	25,000.00	\$8,000.00	8,000.00	\$0.01	0.01
EQ-24	FULL-ACTUATED CONTROLLER IN TYPE IV CABINET, NEMA TS-2, RAILROAD	EACH	1	\$40,000.00	40,000.00	\$8,000.00	8,000.00	\$0.01	0.01
EQ-25	INSTALL EXISTING TRAFFIC SIGNAL CABINET	EACH	2	\$2,500.00	5,000.00	\$100.00	200.00	\$0.01	0.02
EQ-26	MODIFY EXISTING CONTROLLER AND CABINET	EACH	2	\$1,250.00	2,500.00	\$1.00	2.00	\$0.01	0.02
EQ-27	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1	\$2,000.00	2,000.00	\$1.00	1.00	\$0.01	0.01
EQ-28	ROTATE SIGNAL PHASING AT EXISTING TS	EACH	1	\$1,000.00	1,000.00	\$1.00	1.00	\$0.01	0.01
EQ-29	UNINTERRUPTIBLE POWER SUPPLY, SPECIAL	EACH	2	\$7,500.00	15,000.00	\$5,000.00	10,000.00	\$6,037.52	12,075.04
EQ-30	BATTERY (SET), UPS	EACH	40	\$2,000.00	80,000.00	\$1,500.00	60,000.00	\$0.01	0.40
EQ-31	DETECTOR LOOP	FOOT	750	\$15.00	11,250.00	\$10.00	7,500.00	\$0.01	7.50
EQ-32	GALVANIZED STEEL UNDERGROUND CONDUIT, 2-INCH	FOOT	100	\$20.00	2,000.00	\$3.00	300.00	\$0.01	1.00
EQ-33	GALVANIZED STEEL UNDERGROUND CONDUIT, 2-1/2 INCH	FOOT	100	\$22.50	2,250.00	\$3.00	300.00	\$0.01	1.00
EQ-34	GALVANIZED STEEL UNDERGROUND CONDUIT, 3-INCH	FOOT	100	\$25.00	2,500.00	\$3.00	300.00	\$0.01	1.00
EQ-35	GALVANIZED STEEL UNDERGROUND CONDUIT, 3-1/2 INCH	FOOT		\$27.50	0.00	\$3.00	0.00	\$0.01	0.00
EQ-36	GALVANIZED STEEL UNDERGROUND CONDUIT, 4-INCH	FOOT	100	\$30.00	3,000.00	\$3.00	300.00	\$0.01	1.00
EQ-37	COILABLE NON-METALLIC UNDERGROUND CONDUIT, 2-INCH	FOOT	3,500	\$15.00	52,500.00	\$2.00	7,000.00	\$0.01	35.00
EQ-38	ELECTRIC CABLE IN CONDUIT, NO. 14 1/C	FOOT		\$1.00	0.00	\$0.25	0.00	\$0.01	0.00
EQ-39	ELECTRIC CABLE IN CONDUIT, NO. 14 2/C	FOOT	1000	\$1.15	1,150.00	\$0.25	250.00	\$0.01	10.00
EQ-40	ELECTRIC CABLE IN CONDUIT, NO.14 3/C	FOOT	1000	\$1.25	1,250.00	\$0.25	250.00	\$0.01	10.00
EQ-41	ELECTRIC CABLE IN CONDUIT, NO.14 5/C	FOOT	1000	\$1.50	1,500.00	\$0.25	250.00	\$0.01	10.00
EQ-42	ELECTRIC CABLE IN CONDUIT, NO.14 7/C	FOOT	1,000	\$1.75	1,750.00	\$0.25	250.00	\$0.01	10.00
EQ-43	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1/C	FOOT	3000	\$0.75	2,250.00	\$1.00	3,000.00	\$0.01	30.00
EQ-44	ELECTRIC CABLE IN CONDUIT, NO.14 2/C, TWISTED, SHIELDED	FOOT	1000	\$2.25	2,250.00	\$0.25	250.00	\$0.01	10.00
EQ-45	ELECTRIC CABLE IN CONDUIT, NO. 6, 2/C	FOOT	1000	\$2.50	2,500.00	\$0.25	250.00	\$0.01	10.00
EQ-46	ELECTRIC CABLE IN CONDUIT, NO. 10, 2/C	FOOT	1000	\$3.00	3,000.00	\$0.25	250.00	\$0.01	10.00
EQ-47	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20, 3/C	FOOT	1000	\$2.00	2,000.00	\$0.25	250.00	\$0.01	10.00
EQ-48	ELECTRIC CABLE IN CONDUIT, COAXIAL	FOOT	500	\$2.50	1,250.00	\$0.25	125.00	\$0.01	5.00
EQ-49	ELECTRIC CABLE IN CONDUIT, NO.18, 3/C, VIDEO	FOOT	500	\$3.00	1,500.00	\$0.25	125.00	\$0.01	5.00
EQ-50	ELECTRIC CABLE IN CONDUIT, COMM, NO. 16 5-1/2 PAIR	FOOT	500	\$3.00	1,500.00	\$0.25	125.00	\$0.01	5.00
EQ-51	OUTDOOR RATED NETWORK CABLE	FOOT	600	\$1.00	600.00	\$0.25	150.00	\$0.01	6.00
EQ-52	FIBER OPTIC IN CONDUIT, 12 MM, 24 SM	FOOT	3000	\$4.00	12,000.00	\$3.00	9,000.00	\$0.01	30.00
EQ-53	FIBER OPTIC IN CONDUIT, 24 SM	FOOT		\$4.00	0.00	\$3.00	0.00	\$0.01	0.00
EQ-54	FIBER OPTIC IN CONDUIT, 48 SM	FOOT	3500	\$4.50	15,750.00	\$1.00	3,500.00	\$0.01	35.00
EQ-55	TRANSCEIVER, FIBER OPTIC	EACH	1	\$800.00	800.00	\$100.00	100.00	\$0.01	0.01
EQ-56	SPLICE FIBER OPTIC CABLE IN CABINET	EACH	45	\$105.00	4,725.00	\$50.00	2,250.00	\$0.01	0.45
EQ-57	TERMINATE FIBER IN CABINET	EACH	60	\$160.00	9,600.00	\$50.00	3,000.00	\$0.01	0.60
EQ-58	SUBMERSIBLE FIBER SPLICE ENCLOSURE	EACH	3	\$400.00	1,200.00	\$100.00	300.00	\$0.01	0.03
EQ-59	LAYER II (DATALINK) SWITCH, DUPAGE	EACH		\$4,500.00	0.00	\$500.00	0.00	\$0.01	0.00
EQ-60	LAYER II (DATALINK) SWITCH, NAPERVILLE	EACH		\$9,000.00	0.00	\$500.00	0.00	\$0.01	0.00
EQ-61	LAYER II (DATALINK) SWITCH, AURORA	EACH	2	\$3,500.00	7,000.00	\$500.00	1,000.00	\$0.01	0.02
EQ-62	LAYER III (NETWORK) SWITCH, DUPAGE	EACH		\$8,000.00	0.00	\$500.00	0.00	\$0.01	0.00

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				Engineer's Estimate		Meade, Inc. 625 Willowbrook Ctr Pkwy Willowbrook, IL 60527		H&H Electric Company 2830 Commerce Street Franklin Park, IL 60131	
Item No.	Items	Unit	Quantity	Unit Price	Total	Unit Price	Total	Unit Price	Total
EQ-63	LAYER III (NETWORK) SWITCH, NAPERVILLE	EACH		\$10,000.00	0.00	\$500.00	0.00	\$0.01	0.00
EQ-64	LAYER III (NETWORK) SWITCH, AURORA	EACH	1	\$10,000.00	10,000.00	\$500.00	500.00	\$0.01	0.01
EQ-65	PROGRAM ITS EQUIPMENT	EACH		\$1,200.00	0.00	\$500.00	0.00	\$4,999.20	0.00
EQ-66	REMOTE CONTROLLED VIDEO SYSTEM	EACH	2	\$16,000.00	32,000.00	\$1,000.00	2,000.00	\$0.01	0.02
EQ-67	SERVICE INSTALLATION, POLE MOUNT	EACH	2	\$2,500.00	5,000.00	\$500.00	1,000.00	\$0.01	0.02
EQ-68	SERVICE INSTALLATION, GROUND MOUNT	EACH	1	\$4,000.00	4,000.00	\$500.00	500.00	\$0.01	0.01
EQ-69	CONCRETE FOUNDATION, TYPE A	FOOT	16	\$250.00	4,000.00	\$1.00	16.00	\$0.01	0.16
EQ-70	CONCRETE FOUNDATION, TYPE C	FOOT	8	\$650.00	5,200.00	\$1.00	8.00	\$0.01	0.08
EQ-71	CONCRETE FOUNDATION, TYPE E, 30-INCH DIAMETER	FOOT	60	\$200.00	12,000.00	\$1.00	60.00	\$0.01	0.60
EQ-72	CONCRETE FOUNDATION, TYPE E, 36-INCH DIAMETER	FOOT	60	\$250.00	15,000.00	\$1.00	60.00	\$0.01	0.60
EQ-73	CONCRETE FOUNDATION, TYPE E, 42-INCH DIAMETER	FOOT	60	\$300.00	18,000.00	\$1.00	60.00	\$0.01	0.60
EQ-74	CONCRETE HANDHOLE	EACH	4	\$1,500.00	6,000.00	\$1.00	4.00	\$0.01	0.04
EQ-75	CONCRETE HEAVY DUTY HANDHOLE	EACH	2	\$2,500.00	5,000.00	\$1.00	2.00	\$0.01	0.02
EQ-76	REBUILD EXISTING HANDHOLE	EACH	2	\$1,500.00	3,000.00	\$1.00	2.00	\$0.01	0.02
EQ-77	REBUILD EXISTING HEAVY DUTY HANDHOLE	EACH	2	\$2,000.00	4,000.00	\$1.00	2.00	\$1,949.14	3,898.28
EQ-78	DRILL EXISTING HANDHOLE	EACH	8	\$250.00	2,000.00	\$1.00	8.00	\$0.01	0.08
EQ-79	TS GROUNDING AND ELECTRICAL SERVICE UPGRADE	EACH	1	\$2,500.00	2,500.00	\$5,000.00	5,000.00	\$0.01	0.01
EQ-80	VIDEO DETECTION SYSTEM (COMPLETE INTERSECTION)	EACH	1	\$35,000.00	35,000.00	\$2,000.00	2,000.00	\$0.01	0.01
EQ-81	RADAR VEHICLE DETECTION SYSTEM (COMPLETE INTERSECTION)	EACH	1	\$30,000.00	30,000.00	\$5,000.00	5,000.00	\$35,597.26	35,597.26
EQ-82	HEMISPHERICAL VIDEO DETECTION SYSTEM (COMPLETE INTERSECTION)	EACH	1	\$28,000.00	28,000.00	\$5,000.00	5,000.00	\$23,948.14	23,948.14
EQ-83	REMOVE AND REINSTALL EXISTING WIRELESS DETECTION UNIT	EACH		\$600.00	0.00	\$1.00	0.00	\$0.01	0.00
EQ-84	REMOVE EXISTING AND INSTALL NEW WIRELESS DETECTION UNIT	EACH		\$1,300.00	0.00	\$1.00	0.00	\$878.35	0.00
EQ-85	LED INTERNALLY ILLUMINATEDSTREET NAME SIG	EACH	4	\$4,000.00	16,000.00	\$1,500.00	6,000.00	\$0.01	0.04
EQ-86	PEDESTRIAN PUSH BUTTON POST	EACH	8	\$750.00	6,000.00	\$100.00	800.00	\$0.01	0.08
EQ-87	TRAFFIC SIGNAL POST, 10 FT	EACH	1	\$1,000.00	1,000.00	\$100.00	100.00	\$0.01	0.01
EQ-88	TRAFFIC SIGNAL POST, 14 FT	EACH	2	\$1,200.00	2,400.00	\$1.00	2.00	\$0.01	0.02
EQ-89	TRAFFIC SIGNAL POST, 16 FT	EACH	4	\$1,400.00	5,600.00	\$300.00	1,200.00	\$0.01	0.04
EQ-90	TRAFFIC SIGNAL POST, 18 FT	EACH	4	\$1,600.00	6,400.00	\$1.00	4.00	\$0.01	0.04
EQ-91	PAINT TRAFFIC SIGNAL POST AND BASE	EACH	4	\$250.00	1,000.00	\$300.00	1,200.00	\$0.01	0.04
EQ-92	PAINT MAST ARM AND POST	EACH	4	\$1,500.00	6,000.00	\$1,400.00	5,600.00	\$0.01	0.04
EQ-93	PAINT COMBINATION MAST ARM AND POLE	EACH	4	\$2,000.00	8,000.00	\$1,400.00	5,600.00	\$0.01	0.04
EQ-94	ULTRASOUND TESTING	EACH		\$400.00	0.00	\$247.00	0.00	\$0.01	0.00
EQ-95	SPECIAL MAINTENANCE SERVICE CALL	EACH		\$250.00	0.00	\$200.00	0.00	\$0.01	0.00
EQ-96	INSTALL BROADBAND RADIO INTERCONNECT SYSTEM	EACH	2	\$16,000.00	32,000.00	\$4,000.00	8,000.00	\$7,825.72	15,651.44
CH-1	CENTURY HILL STREET LIGHT REPAIR, POST TOP MOUNTED	EACH		\$350.00	0.00	\$100.00	0.00	\$0.01	0.00
CH-2	CENTURY HILL STREET LIGHT REPAIR, LUMINAIRE ARM MOUNTED	EACH		\$500.00	0.00	\$200.00	0.00	\$0.01	0.00
CH-EV	CENTURY HILLBUDGETARY ALLOWANCE FOR EXT	L SUM		\$1.00	0.00	\$1.00	0.00	\$1.00	0.00
CH-KI	CENTURY HILL BUDGETARY ALLOWANCE FOR KNOCKDOWNS	L SUM		\$1.00	0.00	\$1.00	0.00	\$1.00	0.00
DU-EV	DUPAGE COUNTY IT/FACILITIES EXTRA WORK	L SUM		\$1.00	0.00	\$1.00	0.00	\$1.00	0.00
					0.00		0.00		0.00
					0.00		0.00		0.00
					0.00		0.00		0.00
Bidder's Proposal for making Entire Improvements				\$1,470,797.00		\$1,068,968.20		\$1,222,321.68	