

# **2014 TRAFFIC SIGNAL MAINTENANCE CONTRACT, SECTION 14-00000-01-GM, BID TABULATION**

ITEM NO.	DESCRIPTION	EST. QNTY.	UNIT	ENGINEER'S ESTIMATE		MEADE ELECTRIC	
				UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE
				PRICE PER EQUIVALENT LOCATION UNIT PER MONTH: \$265.00		PRICE PER EQUIVALENT LOCATION UNIT PER MONTH: \$273.00	
				MULTIPLIED BY ELU's		MULTIPLIED BY ELU's	
				= \$63,348.25 /MO.		= \$65,260.65 /MO.	
				FOR ROUTINE MAINTENACE (A AND B PAY ITEMS)		FOR ROUTINE MAINTENACE (A AND B PAY ITEMS)	
				\$63,348.25 X 12 MONTHS		\$65,260.65 X 12 MONTHS	
				= \$760,179.00		= \$783,127.80	
				FOR ROUTINE MAINTENACE FOR ENTIRE YEAR		FOR ROUTINE MAINTENACE FOR ENTIRE YEAR	
ITEM	DESCRIPTION	EQUIVALENT LOCATION UNITS		ITEM	EXTENSION DOLLARS PER MONTH	ITEM	EXTENSION DOLLARS PER MONTH
A-1	TRAFFIC SIGNAL LOCATION	150		A-1	\$39,750.00	A-1	\$40,950.00
A-2	TEMPORARY TRAFFIC SIGNAL LOCATION	6		A-2	\$1,590.00	A-2	\$1,638.00
A-3	FLASHING BEACON, OVERHEAD MOUNT, ONE OR MORE FACES	2.4		A-3	\$636.00	A-3	\$655.20
A-4	FLASHING BEACON, LOW MOUNT, ONE OR MORE FACES	5.4		A-4	\$1,431.00	A-4	\$1,474.20
A-5	VEHICLE COUNTING STATION	0.75		A-5	\$198.75	A-5	\$204.75
A-6	VIDEO COMMUNICATIONS CABINET, GIGABIT ETHERNET	9.5		A-6	\$2,517.50	A-6	\$2,593.50
A-7	LAYER II DATA LINK SWITCH	12.2		A-7	\$3,233.00	A-7	\$3,330.60
A-8	LAYER III NETWORK SWITCH	4.4		A-8	\$1,166.00	A-8	\$1,201.20
A-9	HIGHWAY ADVISORY RADIO (HAR)	2.5		A-9	\$662.50	A-9	\$682.50
A10	REMOTE-CONTROLLED VIDEO SYSTEM	3		A10	\$795.00	A10	\$819.00
B-1	STREET LIGHTING LOCATION	42.9		B-1	\$11,368.50	B-1	\$11,711.70
TOTAL ELU's		239.05					

AB-1	HOURLY RATE FOR EXTRA WORK	100	HR	<u>\$100.00</u>	<u>\$10,000.00</u>	<u>\$97.00</u>	<u>\$9,700.00</u>
SUBTOTAL FOR AB ITEMS:				<div>\$10,000.00</div>		<div>\$9,700.00</div>	
AC-1	BUDGETARY ALLOWANCE FOR EXTRA WORK			SUBTOTAL FOR AC ITEMS:		SUBTOTAL FOR AC ITEMS:	
				<div>\$25,000.00</div>		<div>\$25,000.00</div>	
AD-1	KNOCKDOWNS			SUBTOTAL FOR AD ITEMS:		SUBTOTAL FOR AD ITEMS:	
				<div>\$75,000.00</div>		<div>\$75,000.00</div>	

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EQUIPMENT								
AU-1	SIGNAL HEAD, L.E.D.1-FACE, 1-SECTION, MOUNTING AS SPECIFIED	2	EA	<u>\$250.00</u>	<u>\$500.00</u>	<u>\$125.00</u>	<u>\$250.00</u>	
AU-2	SIGNAL HEAD, L.E.D.1-FACE, 3-SECTION, MOUNTING AS SPECIFIED	2	EA	<u>\$750.00</u>	<u>\$1,500.00</u>	<u>\$500.00</u>	<u>\$1,000.00</u>	
AU-3	SIGNAL HEAD, L.E.D.1-FACE, 4-SECTION, MOUNTING AS SPECIFIED	2	EA	<u>\$850.00</u>	<u>\$1,700.00</u>	<u>\$550.00</u>	<u>\$1,100.00</u>	
AU-4	SIGNAL HEAD, L.E.D.1-FACE, 5-SECTION, MOUNTING AS SPECIFIED	4	EA	<u>\$1,100.00</u>	<u>\$4,400.00</u>	<u>\$600.00</u>	<u>\$2,400.00</u>	
AU-5	PEDESTRIAN SIGNAL HEAD, L.E.D., MOUNTING AS SPECIFIED	4	EA	<u>\$500.00</u>	<u>\$2,000.00</u>	<u>\$250.00</u>	<u>\$1,000.00</u>	
AU-6	PEDESTRIAN SIGNAL HEAD, L.E.D., COUNTDOWN, MOUNTING AS SPECIFIED	4	EA	<u>\$550.00</u>	<u>\$2,200.00</u>	<u>\$500.00</u>	<u>\$2,000.00</u>	
AU-7	TRAFFIC SIGNAL BACKPLATE	4	EA	<u>\$100.00</u>	<u>\$400.00</u>	<u>\$80.00</u>	<u>\$320.00</u>	
AU-8	EMERGENCY VEHICLE PREEMPTION SYSTEM	4	EA	<u>\$5,000.00</u>	<u>\$20,000.00</u>	<u>\$1,000.00</u>	<u>\$4,000.00</u>	
AU-9	FULL ACTUATED CONTROLLER, IN TYPE IV CABINET, NEMA-TS2	1	EA	<u>\$10,000.00</u>	<u>\$10,000.00</u>	<u>\$11,000.00</u>	<u>\$11,000.00</u>	
AU-10	INSTALL EXISTING TRAFFIC SIGNAL CABINET	2	EA	<u>\$750.00</u>	<u>\$1,500.00</u>	<u>\$25.00</u>	<u>\$50.00</u>	
AU-11	INSTALL EXISTING TRAFFIC SIGNAL CONTROLLER	2	EA	<u>\$150.00</u>	<u>\$300.00</u>	<u>\$25.00</u>	<u>\$50.00</u>	
AU-12	FULL ACTUATED CONTROLLER	2	EA	<u>\$3,000.00</u>	<u>\$6,000.00</u>	<u>\$2,800.00</u>	<u>\$5,600.00</u>	
AU-13	INSTALL UPDATED PROM SET AT EXISTING LOCAL OR MASTER CONTROLLER	4	EA	<u>\$250.00</u>	<u>\$1,000.00</u>	<u>\$400.00</u>	<u>\$1,600.00</u>	
AU-14	UPGRADE EXISTING LOCAL CONTROLLER SOFTWARE TO NTCIP	4	EA	<u>\$200.00</u>	<u>\$800.00</u>	<u>\$400.00</u>	<u>\$1,600.00</u>	
AU-15	DETECTOR LOOP	500	LIN FT	<u>\$25.00</u>	<u>\$12,500.00</u>	<u>\$14.00</u>	<u>\$7,000.00</u>	
AU-16	PEDESTRIAN PUSH BUTTON, LED	8	EA	<u>\$400.00</u>	<u>\$3,200.00</u>	<u>\$200.00</u>	<u>\$1,600.00</u>	
AU-17	GALVANIZED STEEL CONDUIT IN GROUND, 2 INCH	100	LIN FT	<u>\$20.00</u>	<u>\$2,000.00</u>	<u>\$10.00</u>	<u>\$1,000.00</u>	
AU-18	ELECTRIC CABLE IN CONDUIT, NO. 14 1/C	100	LIN FT	<u>\$0.50</u>	<u>\$50.00</u>	<u>\$0.60</u>	<u>\$60.00</u>	
AU-19	ELECTRIC CABLE IN CONDUIT, NO. 14 2/C	100	LIN FT	<u>\$0.75</u>	<u>\$75.00</u>	<u>\$2.00</u>	<u>\$200.00</u>	
AU-20	ELECTRIC CABLE IN CONDUIT, NO. 14 3/C	100	LIN FT	<u>\$0.85</u>	<u>\$85.00</u>	<u>\$2.00</u>	<u>\$200.00</u>	
AU-21	ELECTRIC CABLE IN CONDUIT, NO. 14 5/C	100	LIN FT	<u>\$1.00</u>	<u>\$100.00</u>	<u>\$2.00</u>	<u>\$200.00</u>	
AU-22	ELECTRIC CABLE IN CONDUIT, NO. 14 7/C	100	LIN FT	<u>\$1.25</u>	<u>\$125.00</u>	<u>\$2.00</u>	<u>\$200.00</u>	
AU-23	ELECTRIC CABLE IN CONDUIT, NO. 14 2/C, TWISTED, SHIELDED	100	LIN FT	<u>\$1.50</u>	<u>\$150.00</u>	<u>\$2.00</u>	<u>\$200.00</u>	
AU-24	ELECTRIC CABLE IN CONDUIT, NO. 6 2/C	100	LIN FT	<u>\$2.25</u>	<u>\$225.00</u>	<u>\$3.00</u>	<u>\$300.00</u>	
AU-25	ELECTRIC CABLE IN CONDUIT, NO. 10 2/C	100	LIN FT	<u>\$2.00</u>	<u>\$200.00</u>	<u>\$1.00</u>	<u>\$100.00</u>	
AU-26	ELECTRIC CABLE IN CONDUIT, NO. 20 3/C, TWISTED, SHIELDED	100	LIN FT	<u>\$1.70</u>	<u>\$170.00</u>	<u>\$0.75</u>	<u>\$75.00</u>	
AU-27	ELECTRIC CABLE IN CONDUIT, COAXIAL	100	LIN FT	<u>\$1.30</u>	<u>\$130.00</u>	<u>\$2.50</u>	<u>\$250.00</u>	

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AU-28	ELECTRIC CABLE IN CONDUIT, NO. 18 3/C	100	LIN FT	<u>\$2.00</u>	<u>\$200.00</u>	<u>\$1.00</u>	<u>\$100.00</u>
AU-29	ELECTRIC CABLE IN CONDUIT, COMMUNICATION, NO. 16, 5½ PAIR	100	LIN FT	<u>\$1.00</u>	<u>\$100.00</u>	<u>\$0.25</u>	<u>\$25.00</u>
AU-30	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, 24 FIBER (12 MULTIMODE AND 12 SINGLEMODE)	100	LIN FT	<u>\$3.75</u>	<u>\$375.00</u>	<u>\$5.50</u>	<u>\$550.00</u>
AU-31	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, 36 FIBER (12 MULTIMODE AND 24 SINGLEMODE)	100	LIN FT	<u>\$4.00</u>	<u>\$400.00</u>	<u>\$5.50</u>	<u>\$550.00</u>
AU-32	FIBER OPTIC CABLE IN CONDUIT, 24 SINGLEMODE	500	LIN FT	<u>\$4.25</u>	<u>\$2,125.00</u>	<u>\$5.00</u>	<u>\$2,500.00</u>
AU-33	TRANSCEIVER, FIBER OPTIC	1	EA	<u>\$1,600.00</u>	<u>\$1,600.00</u>	<u>\$1,250.00</u>	<u>\$1,250.00</u>
AU-34	SERVICE INSTALLATION, POLE MOUNT	1	EA	<u>\$2,500.00</u>	<u>\$2,500.00</u>	<u>\$1,750.00</u>	<u>\$1,750.00</u>
AU-35	SERVICE INSTALLATION, GROUND MOUNT	1	EA	<u>\$2,500.00</u>	<u>\$2,500.00</u>	<u>\$2,500.00</u>	<u>\$2,500.00</u>
AU-36	CONCRETE FOUNDATION, TYPE A	16	LIN FT	<u>\$75.00</u>	<u>\$1,200.00</u>	<u>\$25.00</u>	<u>\$400.00</u>
AU-37	CONCRETE HANDHOLE	2	EA	<u>\$900.00</u>	<u>\$1,800.00</u>	<u>\$100.00</u>	<u>\$200.00</u>
AU-38	CONCRETE HEAVY DUTY HANDHOLE	2	EA	<u>\$1,200.00</u>	<u>\$2,400.00</u>	<u>\$200.00</u>	<u>\$400.00</u>
AU-39	REBUILD EXISTING HANDHOLE	1	EA	<u>\$750.00</u>	<u>\$750.00</u>	<u>\$100.00</u>	<u>\$100.00</u>
AU-40	DRILL EXISTING HANDHOLE	2	EA	<u>\$400.00</u>	<u>\$800.00</u>	<u>\$300.00</u>	<u>\$600.00</u>
AU-41	ROTATE SIGNAL PHASING AT AN EXISTING TRAFFIC SIGNAL INTERSECTION	2	EA	<u>\$200.00</u>	<u>\$400.00</u>	<u>\$50.00</u>	<u>\$100.00</u>
AU-42	VIDEO DETECTION SYSTEM (COMPLETE INTERSECTION)	1	EA	<u>\$22,500.00</u>	<u>\$22,500.00</u>	<u>\$14,000.00</u>	<u>\$14,000.00</u>
AU-43	SPLICE FIBER OPTIC CABLE IN CABINET	50	EA	<u>\$50.00</u>	<u>\$2,500.00</u>	<u>\$40.00</u>	<u>\$2,000.00</u>
AU-44	TERMINATE FIBER IN CABINET	50	EA	<u>\$50.00</u>	<u>\$2,500.00</u>	<u>\$40.00</u>	<u>\$2,000.00</u>
AU-45	REMOTE-CONTROLLED VIDEO SYSTEM	1	EA	<u>\$7,500.00</u>	<u>\$7,500.00</u>	<u>\$4,700.00</u>	<u>\$4,700.00</u>
AU-46	LED INTERNALLY ILLUMINATED STREET NAME SIGN	4	EA	<u>\$3,000.00</u>	<u>\$12,000.00</u>	<u>\$2,500.00</u>	<u>\$10,000.00</u>
AU-47	UNINTERRUPTIBLE POWER SUPPLY (UPS)	2	EA	<u>\$7,000.00</u>	<u>\$14,000.00</u>	<u>\$5,000.00</u>	<u>\$10,000.00</u>
AU-48	RELAMP EXISTING TRAFFIC SIGNAL WITH LED MODULES	15	EA	<u>\$10,000.00</u>	<u>\$150,000.00</u>	<u>\$5,970.00</u>	<u>\$89,550.00</u>
AU-49	OUTDOOR RATED NETWORK CABLE	500	LIN FT	<u>\$2.50</u>	<u>\$1,250.00</u>	<u>\$1.50</u>	<u>\$750.00</u>
AU-50	TRAFFIC SIGNAL GROUNDING AND ELECTRIC SERVICE UPGRADE	10	EA	<u>\$3,000.00</u>	<u>\$30,000.00</u>	<u>\$6,300.00</u>	<u>\$63,000.00</u>
AU-51	MODIFY EXISTING CONTROLLER CABINET	10	EA	<u>\$1,000.00</u>	<u>\$10,000.00</u>	<u>\$500.00</u>	<u>\$5,000.00</u>
SUBTOTAL FOR AU ITEMS:				<b>\$</b>	<b>340,710.00</b>	<b>\$</b>	<b>255,380.00</b>

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TEMPORARY TRAFFIC SIGNAL INSTALLATION									
AV-1	INSTALL TEMPORARY TRAFFIC SIGNAL, FOUR APPROACHES OR LESS	1	EA	<u>\$25,000.00</u>	<u>\$25,000.00</u>	<u>\$500.00</u>	<u>\$500.00</u>		
AV-2	REMOVE EXISTING TEMPORARY TRAFFIC SIGNAL, FOUR APPROACHES OR LESS	1	EA	<u>\$2,000.00</u>	<u>\$2,000.00</u>	<u>\$100.00</u>	<u>\$100.00</u>		
SUBTOTAL FOR AV ITEMS:				<div>\$27,000.00</div>		<div>\$600.00</div>			
						TOTAL CONTRACT PRICE		TOTAL CONTRACT PRICE	
						ROUTINE		ROUTINE	
						MAINTENANCE:		MAINTENANCE	
						AB SUBTOTAL:		AB SUBTOTAL	
						BUDGET ALLOWANCE, ITEM AC:		ITEM AC:	
						BUDGET ALLOWANCE, ITEM AD:		ITEM AD:	
						AU SUBTOTAL:		AU SUBTOTAL	
						AV SUBTOTAL:		AV SUBTOTAL	
						TOTAL CONTRACT PRICE		TOTAL CONTRACT PRICE	
						(SUM OF 5 LINES ABOVE)		(SUM OF 5 LINES ABOVE)	
						<div>\$1,237,889.00</div>		<div>\$1,148,807.80</div>	