

Letting date: 3-14-2012

Maine Department of Transportation
Tabulation of Bids

On Call
Electrical Signal & Lighting
Maintenance Services

Vendors
A.D. Electric Inc. Moulison North Corp Electric Light Company

Item	Unit	<u>A.D. Electric Inc.</u>	<u>Moulison North Corp</u>	<u>Electric Light Company</u>
SIGNAL INDICATIONS				
12 inch Bi-model Yellow/Green Arrow LED	each	\$ 241.00	\$ 200.00	\$ 150.00
12 inch Red Arrow LED	each	\$ 150.00	\$ 130.00	\$ 100.00
12" inch Yellow Arrow LED	each	\$ 154.00	\$ 140.00	\$ 100.00
12" inch Green Arrow LED	each	\$ 189.00	\$ 150.00	\$ 100.00
12" inch Red Ball LED	each	\$ 130.00	\$ 140.00	\$ 100.00
12" inch Yellow Ball LED	each	\$ 141.00	\$ 150.00	\$ 100.00
12 inch Bi-model Yellow/Green Arrow LED	each	\$ 241.00	\$ 200.00	\$ 150.00
12 inch Red Arrow LED	each	\$ 150.00	\$ 130.00	\$ 100.00
12" inch Green Ball LED	each	\$ 185.00	\$ 180.00	\$ 100.00
8" inch Red Ball LED	each	\$ 125.00	\$ 130.00	\$ 100.00
8" inch Yellow Ball LED	each	\$ 125.00	\$ 130.00	\$ 100.00
8" inch Green Ball LED	each	\$ 150.00	\$ 150.00	\$ 100.00

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SIGNAL AND BEACON COMPONENTS				
TS-2 Type 1 Controller	each	\$ 2,417.00	\$ 1,960.00	\$ 3,500.00
TS-2 Type 2 Controller	each	\$ 2,436.00	\$ 2,120.00	\$ 3,500.00
6 foot by 40 foot quadrapole inductance loop (with IMSA Spec 51-5 loop wire with tube jacket)	each	\$ 900.00	\$ 1,000.00	\$ 650.00
6 foot by 6 foot inductance loop (with IMSA Spec 51-5 loop wire with tube jacket)	each	\$ 700.00	\$ 700.00	\$ 350.00
Traffic cam 8mm with clickit interface	each	\$ 3,500.00	\$ 4,700.00	
Microwave detector Type TC20	each	\$ 650.00	\$ 930.00	\$ 900.00
Microwave detector Type TC26	each	\$ 950.00	\$ 1,270.00	\$ 900.00
Signal Housing for 12" signal head	each	\$ 245.00	\$ 210.00	\$ 100.00
Microwave detector presence Type	each	\$ 1,500.00	\$ 680.00	
Signal cable direct earth burial (12 AWG) 4 conductor	Linear Foot	\$ 5.00	\$ 6.00	\$ 3.00
Signal cable direct earth burial (12 AWG) 7 conductor	Linear Foot	\$ 6.00	\$ 6.90	\$ 3.50
Signal cable direct earth burial (12 AWG) 12 conductor	Linear Foot	\$ 6.75	\$ 7.80	\$ 4.00
Self supporting aerial cable (12 AWG) 5 conductor	Linear Foot	\$ 6.50	\$ 8.10	\$ 3.00
Self supporting aerial cable (12 AWG) 7 conductor	Linear Foot	\$ 7.25	\$ 9.20	\$ 3.50
Self supporting aerial cable (12 AWG) 12 conductor	Linear Foot	\$ 8.25	\$ 10.40	\$ 4.00
Communication cable (19AWG 12 pair)	Linear Foot	\$ 8.50	\$ 6.90	\$ 7.00
IMSA Spec 59-2 and 60-2				
Accuwave LX150	each	\$ 1,750.00	\$ 2,320.00	
Wavetronics matrix which includes: WX-SS-225 Matrix Sensor WX-SS-611 Sensor Mount WX-SS-704-20 20' Sensor Cable with Connector WX-SS-705 Sensor Cable WX-SS-710 In Line Terminal Strip Junction Box WX-SS-B03-0004 Controller Cabinet Backplate for 2 Sensors WX-SS-B03-0005 Controller Cabinet Backplate for 4 Sensors WX-CLK-112 2-Channel Rack Card WX-CLK-114 4-Channel Rack Card WX-CLK-421 Bluetooth to Serial Converter Module	Lump sum	\$ 10,465.00		
Advance Dilemma Zone Detection which includes: WX-SS-225-V Advance Sensor WX-SS-611 Sensor Mount WX-SS-704-20 20' Sensor Cable with Connector WX-SS-705 Sensor Cable WX-SS-710 In Line Terminal Strip Junction Box WX-SS-B03-0004 Controller Cabinet Backplate for 2 Sensors WX-SS-B03-0005 Controller Cabinet Backplate for 4 Sensors WX-CLK-112 2-Channel Rack Card WX-CLK-114 4-Channel Rack Card WX-CLK-421 Bluetooth to Serial Converter Module	Lump sum	\$ 10,365.00		
Battery cabinet type P216	each	\$ 1,073.00	\$ 2,430.00	
Controller Cabinet Type M	each	\$ 3,579.00	\$ 2,010.00	\$ 1,500.00
Controller Cabinet Type P	each	\$ 5,873.00	\$ 2,340.00	\$ 2,000.00
Controller Cabinet Type F	each	\$ 625.00	\$ 470.00	

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SIGNAL AND BEACON COMPONENTS (CONT.)				
Controller Cabinet Type M (with back panel)	each	\$ 5,357.00	\$ 8,000.00	\$ 5,000.00
Controller Cabinet Type P (with back panel)	each	\$ 5,874.00	\$ 8,700.00	\$ 5,500.00
Controller Cabinet Type F (with back panel)	each	\$ 1,250.00	\$ 680.00	
Malfunction Management Unit	each	\$ 785.00	\$ 800.00	\$ 750.00
NEMA Conflict Monitor 12 Channel	each	\$ 525.00	\$ 800.00	\$ 750.00
Dual Indicator Load switches	each	\$ 98.00	\$ 70.00	\$ 50.00
Loop amplifiers (2 channel) rack mounted	each	\$ 190.00	\$ 250.00	\$ 200.00
Loop amplifiers (Single channel) shelf mounted	each	\$ 190.00	\$ 280.00	\$ 150.00
Span wire (5/16 inch)	Linear Foot	\$ 3.90	\$ 5.00	\$ 3.00
Span wire mount bracket	each	\$ 418.00	\$ 170.00	\$ 50.00
Tether wire (1/4 inch)	Linear Foot	\$ 3.50	\$ 4.10	\$ 3.00
Tether Clamp Assembly	each	\$ 135.00	\$ 90.00	\$ 25.00
Strand vise (5/16 inch)	each	\$ 89.00	\$ 80.00	\$ 25.00
goosenecks	each	\$ 140.00	\$ 100.00	\$ 50.00
Back plates for 3-section heads	each	\$ 165.00	\$ 180.00	\$ 200.00
Back plates for 4-section heads	each	\$ 200.00	\$ 190.00	\$ 250.00
Back plates for 5-section heads	each	\$ 310.00	\$ 290.00	\$ 300.00
Astro-bracket for 5-section head	each	\$ 390.00	\$ 270.00	\$ 300.00
Astro-bracket for 5-section head	each	\$ 390.00	\$ 320.00	\$ 300.00
Flash transfer relay (35 amps)	each	\$ 75.00	\$ 90.00	\$ 75.00
Mercury relays (30 amps)	each	\$ 135.00	\$ 140.00	\$ 100.00
Line filters (30 amps)	each	\$ 110.00	\$ 140.00	\$ 75.00
Solar panel (45 watt) with mounting brackets	each	\$ 715.00	\$ 480.00	
Flash transfer relays	each	\$ 75.00	\$ 90.00	\$ 75.00
Loop amp rack mount	each	\$ 225.00	\$ 250.00	\$ 200.00
Loop amp shelf mount	each	\$ 225.00	\$ 280.00	\$ 150.00
Microwave detectors	each	\$ 950.00	\$ 1,270.00	\$ 900.00
Pedestrian Push Button	each	\$ 125.00	\$ 150.00	\$ 100.00
Audible ped button only	each	\$ 270.00	\$ 970.00	
Audible ped system – includes power supply, ped button, bracket and speaker	each	\$ 649.00	\$ 5,320.00	
Audible ped chirper	each	\$ 470.00	\$ 760.00	\$ 500.00
Bimodal Ped indication	each	\$ 256.00	\$ 250.00	\$ 150.00
Bimodal countdown ped indication	each	\$ 395.00	\$ 330.00	\$ 300.00
Pedestrian Heads (18 inch LED)	each	\$ 362.00	\$ 530.00	\$ 450.00
Pedestrian Heads (18 inch LED countdown)	each	\$ 534.00	\$ 610.00	\$ 450.00
5 pin flasher	each	\$ 180.00	\$ 260.00	\$ 150.00
Pedestal Poles (10 foot)	each	\$ 500.00	\$ 610.00	\$ 450.00

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POLES AND FOUNDATIONS				
40 foot aluminum light pole	each	\$ 2,900.00	\$ 2,650.00	
Wood poles 40 foot with guys	each	\$ 1,200.00	\$ 1,130.00	
Wood poles 45 foot with guys	each	\$ 1,200.00	\$ 1,270.00	
18" Concrete Foundation	each	\$ 900.00	\$ 980.00	
24" Concrete Foundation	each	\$ 1,250.00	\$ 1,100.00	
30" Concrete Foundation	each	\$ 1,575.00	\$ 1,580.00	
36" Concrete Foundation	each	\$ 1,800.00	\$ 1,750.00	
Manitoba Safety T-base or approved equal	each	\$ 500.00	\$ 720.00	
Frangible Coupling Breakaway Transformer Base	each	\$ 500.00	\$ 490.00	
LIGHTING AND WIRING				
Pre-wired Conduit #10 wire (3 conductor)	Linear Foot	\$ 11.00	\$ 13.90	
Pre-wired Conduit #8 wire (3 conductor)	Linear Foot	\$ 12.00	\$ 14.50	
Pre-wired Conduit #6 wire (3 conductor)	Linear Foot	\$ 12.00	\$ 15.10	
Pre-wired Conduit #3 wire (3 conductor)	Linear Foot	\$ 17.00	\$ 16.20	
Pre-wired Conduit #2 wire (3 conductor)	Linear Foot	\$ 17.00	\$ 17.10	
Pre-wired Conduit #1 wire (3 conductor)	Linear Foot	\$ 19.00	\$ 18.50	
PVC Schedule 40	Linear Foot	\$ 15.00	\$ 12.80	
PVC Schedule 80	Linear Foot	\$ 18.00	\$ 31.60	
Directional Boring	Linear Foot	\$ 40.00	\$ 60.00	
Junction Box (23,000 lb load rating, see MDOT Standard Details)	each	\$ 50.00	\$ 520.00	
Light fixture (Mongoose Type) full IES cutoff for 150 watt high pressure sodium	each	\$ 850.00	\$ 730.00	\$ 700.00
Light fixture (Mongoose Type) full IES cutoff for 250 watt high pressure sodium	each	\$ 850.00	\$ 730.00	\$ 700.00
Light fixture (Mongoose Type) full IES cutoff for 150 watt metal Halide	each	\$ 850.00	\$ 730.00	\$ 700.00
Light fixture (Mongoose Type) full IES cutoff for 250 watt Metal Halide	each	\$ 850.00	\$ 380.00	\$ 700.00
Light fixture (Cobrahead Type) full IES cutoff for 150 watt high pressure sodium	each	\$ 350.00	\$ 380.00	\$ 500.00
Light fixture Cobrahead Type) full IES cutoff for 250 watt high pressure sodium	each	\$ 350.00	\$ 380.00	\$ 500.00
Light fixture (Cobrahead Type) full IES cutoff for 150 watt metal Halide	each	\$ 350.00	\$ 380.00	\$ 500.00
Light fixture Cobrahead Type) full IES cutoff for 250 watt Metal Halide	each	\$ 350.00	\$ 380.00	\$ 600.00
Bracket arms for light poles	each	\$ 425.00	\$ 350.00	
480 volt 100 amp lighting service on pole with lighting contactor and twist lock photocell	each	\$ 4,500.00	\$ 4,520.00	
480 volt lighting service with 50 amp breaker	Each	\$ 4,200.00	\$ 3,370.00	
250 Watt Metal Halide Bulb	each	\$ 27.00	\$ 110.00	\$ 100.00
150 Watt Metal Halide Bulb	each	\$ 27.00	\$ 110.00	\$ 100.00

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LIGHTING AND WIRING (CONT.)				
250 Watt High Pressure Sodium Bulb (IES distribution Type 2)	each	\$ 27.00	\$ 110.00	\$ 100.00
250 Watt High Pressure Sodium Bulb (IES distribution Type 3)	each	\$ 27.00	\$ 110.00	\$ 100.00
150 Watt High Pressure Sodium Bulb (IES distribution Type 2)	each	\$ 27.00	\$ 110.00	\$ 100.00
150 Watt High Pressure Sodium Bulb (IES distribution Type 3)	each	\$ 27.00	\$ 110.00	\$ 100.00
Light fixture LEDG 120 35 5K ah g L3. Holophane led roadway fixture to replace 150 watt high pressure sodium 480 volt type 3 fixtures	each	\$ 1,190.00	\$ 1,050.00	\$ 900.00
Light fixture LEDG 120 35 5K AS ah g L2. Holophane led roadway fixture to replace 150 watt high pressure sodium 480 volt type 2 fixtures	each	\$ 1,190.00	\$ 1,050.00	\$ 1,000.00
Light fixture LSR4-CW-R3(480)2B-GR-. Lighting Science roadway fixture led to replace 150 watt high pressure sodium 480 volt fixture	each	\$ 1,190.00	\$ 980.00	\$ 800.00
Light fixture OVHB04LEDE8SL2 LED Cobrahead Cooper roadway fixture led to replace 150 watt 480 volt high pressure sodium Type II	each	\$ 1,200.00	\$ 980.00	\$ 800.00
Global tech led gtrhb-4-2-2-1-nw led high mast retrofit to replace 1 1000 watt 480 volt ballast and light assembly	each	\$ 2,400.00	\$ 2,080.00	
Light fixture LEDG 120 35 5K AS g L3 el. Holophane led roadway fixture to replace 150 watt high pressure sodium 120-277 volt type 3 fixtures	each	\$ 1,190.00	\$ 1,190.00	\$ 1,000.00
Light fixture LEDG 120 35 5K AS g L2 el. Holophane led roadway fixture to replace 150 watt high pressure sodium 120-277 volt type 2 fixtures	each	\$ 1,200.00	\$ 1,190.00	\$ 1,000.00
Dual breakaway fuse kits for highway lighting including fuses	each	\$ 130.00	\$ 114.00	\$ 150.00

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Item	Unit	<u>A.D. Electric Inc.</u>	<u>Moulison North Corp</u>	<u>Electric Light Company</u>
TRAFFIC CONTROL				
Traffic Control for 4 way intersection (Including signs, drums, cones)	Lump sum	\$ 1,500.00	\$ 1,570.00	\$ 316.00
Traffic Control for 3 way intersection (Including signs, drums, cones)	Lump sum	\$ 1,175.00	\$ 1,300.00	\$ 316.00
Traffic Control for Interstate Shoulder closure (Including signs, drums, cones)	Lump sum	\$ 1,900.00	\$ 1,400.00	\$ 316.00
Traffic Control for Interstate lane closure (Including signs, drums, cones)	Lump sum	\$ 3,000.00	\$ 3,200.00	
MISCELLANEOUS ELECTRICAL, TIME AND TRAVEL				
Kistler "Lineas" sensors, 2 meter with 100 meter lead cable, Including grout to install and installation per sensor	each	\$ 11,975.00	\$ 11,420.00	
Hourly Labor (for trouble shooting)	hour	\$ 68.00	\$ 75.00	\$ 79.00
Flagger	hour		\$ 25.40	\$ 25.00
Travel Time to Region 1 (time to travel to and from any site in the region, includes time for an electrician to travel both ways and the cost of bucket truck, including fuel)	LS	\$ 375.00	\$ 390.00	\$ 316.00
Travel Time to Region 2 (time to travel to and from any site in the region, includes time for an electrician to travel both ways and the cost of bucket truck, including fuel)	LS	\$ 375.00	\$ 390.00	
Travel Time to Region 3 (time to travel to and from any site in the region, includes time for an electrician to travel both ways and the cost of bucket truck, including fuel)	LS	\$ 750.00	\$ 680.00	
Travel Time to Region 4 (time to travel to and from any site in the region, includes time for an electrician to travel both ways and the cost of bucket truck, including fuel)	LS	\$ 925.00	\$ 900.00	
Travel Time to Region 5 (time to travel to and from any site in the region, includes time for an electrician to travel both ways and the cost of bucket truck, including fuel)	LS	\$ 1,350.00	\$ 3,500.00	