

Dagle

TRAFFIC SIGNAL MAINTENANCE, REPAIR, & IMPROVEMENTS – PRICING PAGE (1)

For the purpose of determining the low bidder the City has estimated annual quantities for those items requiring unit prices. The quantities are listed beside each item and the low bidder will be determined by the computations shown on the bid proposal. These quantities are for bid comparison purposes but will also be used during the course of the contract by the City for service, repair, and improvement work.

ESTIMATED ANNUAL QUANTITIES

A. Hourly Rate per Electrician

<u>From Hr. to Hr.</u>	<u>Weekday</u>		
1) 6:00 AM TO 6:00 PM	750 HRS @ \$ <u>104.00</u>	= \$ <u>78,000.00</u>	A
2) 6:00 PM TO 6:00 AM	250 HRS @ \$ <u>104.00</u>	= \$ <u>26,000.00</u>	B
<u>From Hr. to Hr.</u>	<u>Saturday</u>		
3) 6:00 AM TO 6:00 PM	100 HRS @ \$ <u>104.00</u>	= \$ <u>10,400.00</u>	C
4) 6:00 PM TO 6:00 AM	100 HRS @ \$ <u>104.00</u>	= \$ <u>10,400.00</u>	D
<u>From Hr. to Hr.</u>	<u>Sunday</u>		
5) 6:00 AM TO 6:00 PM	25 HRS @ \$ <u>104.00</u>	= \$ <u>2,600.00</u>	E
6) 6:00 PM TO 6:00 AM	25 HRS @ \$ <u>104.00</u>	= \$ <u>2,600.00</u>	F

B. Hourly Rate per Laborer

<u>From Hr. to Hr.</u>	<u>Weekday</u>		
1) 6:00 AM TO 6:00 PM	100 HRS @ \$ <u>60.00</u>	= \$ <u>6,000.00</u>	G
2) 6:00 PM TO 6:00 AM	50 HRS @ \$ <u>60.00</u>	= \$ <u>3,000.00</u>	H
<u>From Hr. to Hr.</u>	<u>Saturday</u>		
3) 6:00 AM TO 6:00 PM	10 HRS @ \$ <u>60.00</u>	= \$ <u>600.00</u>	I
4) 6:00 PM TO 6:00 AM	5 HRS @ \$ <u>60.00</u>	= \$ <u>300.00</u>	J
<u>From Hr. to Hr.</u>	<u>Sunday</u>		
5) 6:00 AM TO 6:00 PM	5 HRS @ \$ <u>60.00</u>	= \$ <u>300.00</u>	K
6) 6:00 PM TO 6:00 AM	5 HRS @ \$ <u>60.00</u>	= \$ <u>300.00</u>	L

C. Hourly Rate for Civil Work (inclusive of all labor, equipment and materials beyond typical installation referenced above)

<u>From Hr. to Hr.</u>	<u>Weekday</u>		
1) 6:00 AM TO 6:00 PM	50 HRS @ \$ <u>170.00</u>	= \$ <u>8,500.00</u>	M
2) 6:00 PM TO 6:00 AM	10 HRS @ \$ <u>170.00</u>	= \$ <u>1,700.00</u>	N

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TRAFFIC SIGNAL MAINTENANCE, REPAIR, & IMPROVEMENTS – PRICING PAGE (2)

<u>From Hr. to Hr.</u>	<u>Saturday</u>		
3) 6:00 AM TO 6:00 PM	25 HRS @ \$ 170.00	= \$ 4,250.00	O
4) 6:00 PM TO 6:00 AM	10 HRS @ \$ 170.00	= \$ 1,700.00	P

<u>From Hr. to Hr.</u>	<u>Sunday</u>		
5) 6:00 AM TO 6:00 PM	8 HRS @ \$ 170.00	= \$ 1,360.00	Q
6) 6:00 PM TO 6:00 AM	4 HRS @ \$ 170.00	= \$ 680.00	R

\$ 158,690.00

TOTAL LABOR/ITEMS A-R

Dagle

TRAFFIC SIGNAL MAINTENANCE, REPAIR, & IMPROVEMENTS – PRICING PAGE (3)

NOTE: The quantities listed below are approximate and are to be used for bid comparisons only. In no way should the figures be constructed to mean that they represent a guarantee of work to be done. The bid price shall be for the **complete** installation of the bid items listed below **ONLY** and any additional work shall be paid at the above labor rates. All bid prices are to include all materials, labor (including loop detector splicing w/splice kit) and equipment necessary for a complete installation of these bid items, including any sidewalk removal/restoration (one sidewalk panel), raise or lower cabinets and signals or the removal of old debris (foundations, signals, etc.)

Item	Description – Write Unit Bid Price in Words	Unit	Quantity	Unit Price	Amount
815.001	Traffic Signal Cabinet Foundation – Type P or M <u>Five Hundred Dollars and No Cents</u> Per Each	EA.	5	<u>\$ 500.00</u>	<u>\$ 2,500.00</u>
815.002	Traffic Signal Pull Box 12"x24" <u>Three Hundred Dollars and No Cents</u> Per Each	EA.	5	<u>\$ 300.00</u>	<u>\$ 1,500.00</u>
815.003	Traffic Signal Cable 20 Conductor <u>Eight Dollars and No Cents</u> Per Each	LF.	1000	<u>\$ 8.00</u>	<u>\$ 8,000.00</u>
815.004	Traffic Signal Cable 7 Conductor <u>One Dollar and No Cents</u> Per Each	LF.	1000	<u>\$ 1.00</u>	<u>\$ 1,000.00</u>
815.005	Traffic Signal Cable Bonding Cable <u>One Dollar and No Cents</u> Per Each	LF.	1000	<u>\$ 1.00</u>	<u>\$ 1,000.00</u>
815.006	Traffic Signal Cable For Opticom <u>One Dollar and No Cents</u> Per Each	LF.	1000	<u>\$ 1.00</u>	<u>\$ 1,000.00</u>
815.007	Cement Concrete Foundation for Mast Arm <u>One Thousand Dollars and No Cents</u> Per Each	EA.	5	<u>\$ 1,000.00</u>	<u>\$ 5,000.00</u>
815.008	Cement Concrete Foundation for Post MHD SD3.030 <u>Three Hundred Dollars and No Cents</u> Per Each	EA.	5	<u>\$ 300.00</u>	<u>\$ 1,500.00</u>

Dagle

TRAFFIC SIGNAL MAINTENANCE, REPAIR, & IMPROVEMENTS – PRICING PAGE (4)

Item	Description – Write Unit Bid Price in Words	Unit	Quantity	Unit Price	Amount
815.009	Loop Detectors in Roadway Installed - Complete Five Dollars and No Cents <hr/> Per Each	LF.	500	\$ 5.00	\$ 2,500.00

\$ 24,000.00

TOTAL EQUIPMENT / MATERIALS

+ \$ 158,690.00

TOTAL LABOR / ITEMS A-R

= \$ 182,690.00 *

TOTAL BID PRICE

*Award to be based on this amount

**All materials, supplies, parts, etc. not specifically listed above, and required to be procured by the Contractor for the faithful performance of this contract may be charged to the City of Worcester at a rate not to exceed 10% over the Contractor's net cost. The City may request original copies of the Contractor invoices at any time to confirm said costs.

CMS

TRAFFIC SIGNAL MAINTENANCE, REPAIR, & IMPROVEMENTS -- PRICING PAGE (1)

For the purpose of determining the low bidder the City has estimated annual quantities for those items requiring unit prices. The quantities are listed beside each item and the low bidder will be determined by the computations shown on the bid proposal. These quantities are for bid comparison purposes but will also be used during the course of the contract by the City for service, repair, and improvement work.

ESTIMATED ANNUAL QUANTITIES**A. Hourly Rate per Electrician**

<u>From Hr. to Hr.</u>	<u>Weekday</u>		
1) 6:00 AM TO 6:00 PM	750 HRS @ \$ <u>110.00</u>	= \$ <u>82,500.00</u>	A
2) 6:00 PM TO 6:00 AM	250 HRS @ \$ <u>110.00</u>	= \$ <u>27,500.00</u>	B
<u>From Hr. to Hr.</u>	<u>Saturday</u>		
3) 6:00 AM TO 6:00 PM	100 HRS @ \$ <u>110.00</u>	= \$ <u>11,000.00</u>	C
4) 6:00 PM TO 6:00 AM	100 HRS @ \$ <u>110.00</u>	= \$ <u>11,000.00</u>	D
<u>From Hr. to Hr.</u>	<u>Sunday</u>		
5) 6:00 AM TO 6:00 PM	25 HRS @ \$ <u>110.00</u>	= \$ <u>2,750.00</u>	E
6) 6:00 PM TO 6:00 AM	25 HRS @ \$ <u>110.00</u>	= \$ <u>2,750.00</u>	F

B. Hourly Rate per Laborer

<u>From Hr. to Hr.</u>	<u>Weekday</u>		
1) 6:00 AM TO 6:00 PM	100 HRS @ \$ <u>65.00</u>	= \$ <u>6,500.00</u>	G
2) 6:00 PM TO 6:00 AM	50 HRS @ \$ <u>65.00</u>	= \$ <u>3,250.00</u>	H
<u>From Hr. to Hr.</u>	<u>Saturday</u>		
3) 6:00 AM TO 6:00 PM	10 HRS @ \$ <u>65.00</u>	= \$ <u>650.00</u>	I
4) 6:00 PM TO 6:00 AM	5 HRS @ \$ <u>65.00</u>	= \$ <u>325.00</u>	J
<u>From Hr. to Hr.</u>	<u>Sunday</u>		
5) 6:00 AM TO 6:00 PM	5 HRS @ \$ <u>65.00</u>	= \$ <u>325.00</u>	K
6) 6:00 PM TO 6:00 AM	5 HRS @ \$ <u>65.00</u>	= \$ <u>325.00</u>	L

C. Hourly Rate for Civil Work (inclusive of all labor, equipment and materials beyond typical installation referenced above)

<u>From Hr. to Hr.</u>	<u>Weekday</u>		
1) 6:00 AM TO 6:00 PM	50 HRS @ \$ <u>110.00</u>	= \$ <u>5,500.00</u>	M
2) 6:00 PM TO 6:00 AM	10 HRS @ \$ <u>110.00</u>	= \$ <u>1,100.00</u>	N

CMS

TRAFFIC SIGNAL MAINTENANCE, REPAIR, & IMPROVEMENTS – PRICING PAGE (2)

From Hr. to Hr.

Saturday

3) 6:00 AM TO 6:00 PM	25 HRS @ \$ <u>110.00</u>	= \$ <u>2,750.00</u>	O
4) 6:00 PM TO 6:00 AM	10 HRS @ \$ <u>110.00</u>	= \$ <u>1,100.00</u>	P

From Hr. to Hr.

Sunday

5) 6:00 AM TO 6:00 PM	8 HRS @ \$ <u>110.00</u>	= \$ <u>880.00</u>	Q
6) 6:00 PM TO 6:00 AM	4 HRS @ \$ <u>110.00</u>	= \$ <u>440.00</u>	R

\$ 160,645.00

TOTAL LABOR/ITEMS A-R

CMS

TRAFFIC SIGNAL MAINTENANCE, REPAIR, & IMPROVEMENTS – PRICING PAGE (3)

NOTE: The quantities listed below are approximate and are to be used for bid comparisons only. In no way should the figures be constructed to mean that they represent a guarantee of work to be done. The bid price shall be for the **complete** installation of the bid items listed below **ONLY** and any additional work shall be paid at the above labor rates. All bid prices are to include all materials, labor (including loop detector splicing w/splice kit) and equipment necessary for a complete installation of these bid items, including any sidewalk removal/restoration (one sidewalk panel), raise or lower cabinets and signals or the removal of old debris (foundations, signals, etc.)

Item	Description – Write Unit Bid Price in Words	Unit	Quantity	Unit Price	Amount
815.001	Traffic Signal Cabinet Foundation – Type P or M <u>Two thousand five hundred</u> Per Each	EA.	5	\$ <u>2,000.00</u>	\$ <u>10,000.00</u>
815.002	Traffic Signal Pull Box 12"x24" <u>Five hundred</u> Per Each	EA.	5	\$ <u>500.00</u>	\$ <u>2,500.00</u>
815.003	Traffic Signal Cable 20 Conductor <u>Five Dollars</u> Per Each	LF.	1000	\$ <u>5.00</u>	\$ <u>5,000.00</u>
815.004	Traffic Signal Cable 7 Conductor <u>One Dollar</u> Per Each	LF.	1000	\$ <u>1.00</u>	\$ <u>1,000.00</u>
815.005	Traffic Signal Cable Bonding Cable <u>One Dollar</u> Per Each	LF.	1000	\$ <u>1.00</u>	\$ <u>1,000.00</u>
815.006	Traffic Signal Cable For Opticom <u>One Dollar</u> Per Each	LF.	1000	\$ <u>1.00</u>	\$ <u>1,000.00</u>
815.007	Cement Concrete Foundation for Mast Arm <u>One Throusnad five hundred dollars</u> Per Each	EA.	5	\$ <u>1,500.00</u>	\$ <u>7,500.00</u>
815.008	Cement Concrete Foundation for Post MHD SD3.030 <u>One Throusnad five hundred dollars</u> Per Each	EA.	5	\$ <u>500.00</u>	\$ <u>2,500.00</u>

CMS

TRAFFIC SIGNAL MAINTENANCE, REPAIR, & IMPROVEMENTS – PRICING PAGE (4)

Item	Description – Write Unit Bid Price in Words	Unit	Quantity	Unit Price	Amount
815.009	Loop Detectors in Roadway Installed - Complete Ten Dollars <hr/> Per Each	LF.	500	\$ <u>10.00</u>	\$ <u>5,000.00</u>

\$ 35,500.00

TOTAL EQUIPMENT / MATERIALS

+ \$ 160,645.00

TOTAL LABOR / ITEMS A-R

= \$ 192,145.00 *

TOTAL BID PRICE

*Award to be based on this amount

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PRT

TRAFFIC SIGNAL MAINTENANCE, REPAIR, & IMPROVEMENTS – PRICING PAGE (1)

For the purpose of determining the low bidder the City has estimated annual quantities for those items requiring unit prices. The quantities are listed beside each item and the low bidder will be determined by the computations shown on the bid proposal. These quantities are for bid comparison purposes but will also be used during the course of the contract by the City for service, repair, and improvement work.

ESTIMATED ANNUAL QUANTITIES

A. Hourly Rate per Electrician

<u>From Hr. to Hr.</u>	<u>Weekday</u>		
1) 6:00 AM TO 6:00 PM	750 HRS @ \$ 140.00	= \$ 105000.00	A
2) 6:00 PM TO 6:00 AM	250 HRS @ \$ 140.00	= \$ 35000.00	B
<u>From Hr. to Hr.</u>	<u>Saturday</u>		
3) 6:00 AM TO 6:00 PM	100 HRS @ \$ 140.00	= \$ 14000.00	C
4) 6:00 PM TO 6:00 AM	100 HRS @ \$ 140.00	= \$ 14000.00	D
<u>From Hr. to Hr.</u>	<u>Sunday</u>		
5) 6:00 AM TO 6:00 PM	25 HRS @ \$ 140.00	= \$ 3500.00	E
6) 6:00 PM TO 6:00 AM	25 HRS @ \$ 140.00	= \$ 3500.00	F

B. Hourly Rate per Laborer

<u>From Hr. to Hr.</u>	<u>Weekday</u>		
1) 6:00 AM TO 6:00 PM	100 HRS @ \$ 55.00	= \$ 5500.00	G
2) 6:00 PM TO 6:00 AM	50 HRS @ \$ 55.00	= \$ 2750.00	H
<u>From Hr. to Hr.</u>	<u>Saturday</u>		
3) 6:00 AM TO 6:00 PM	10 HRS @ \$ 55.00	= \$ 550.00	I
4) 6:00 PM TO 6:00 AM	5 HRS @ \$ 55.00	= \$ 275.00	J
<u>From Hr. to Hr.</u>	<u>Sunday</u>		
5) 6:00 AM TO 6:00 PM	5 HRS @ \$ 55.00	= \$ 275.00	K
6) 6:00 PM TO 6:00 AM	5 HRS @ \$ 55.00	= \$ 275.00	L

C. Hourly Rate for Civil Work (inclusive of all labor, equipment and materials beyond typical installation referenced above)

<u>From Hr. to Hr.</u>	<u>Weekday</u>		
1) 6:00 AM TO 6:00 PM	50 HRS @ \$ 79.00	= \$ 3950.00	M
2) 6:00 PM TO 6:00 AM	10 HRS @ \$ 79.00	= \$ 790.00	N

PRT

TRAFFIC SIGNAL MAINTENANCE, REPAIR, & IMPROVEMENTS – PRICING PAGE (2)

<u>From Hr. to Hr.</u>	<u>Saturday</u>		
3) 6:00 AM TO 6:00 PM	25 HRS @ \$ <u>79.00</u>	= \$ <u>1975.00</u>	O
4) 6:00 PM TO 6:00 AM	10 HRS @ \$ <u>79.00</u>	= \$ <u>790.00</u>	P
<u>From Hr. to Hr.</u>	<u>Sunday</u>		
5) 6:00 AM TO 6:00 PM	8 HRS @ \$ <u>79.00</u>	= \$ <u>632.00</u>	Q
6) 6:00 PM TO 6:00 AM	4 HRS @ \$ <u>79.00</u>	= \$ <u>316.00</u>	R

\$ 193078.00

TOTAL LABOR/ITEMS A-R

PRT

TRAFFIC SIGNAL MAINTENANCE, REPAIR, & IMPROVEMENTS – PRICING PAGE (3)

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Item	Description – Write Unit Bid Price in Words	Unit	Quantity	Unit Price	Amount
815.001	Traffic Signal Cabinet Foundation – Type P or M <u>one thousand nine hundred</u> Per Each <u>dollars</u>	EA.	5	\$ 1900.00	\$ 9500.00
815.002	Traffic Signal Pull Box 12"x24" <u>six hundred fifty</u> Per Each <u>dollars</u>	EA.	5	\$ 650.00	\$ 3250.00
815.003	Traffic Signal Cable 20 Conductor <u>four dollars</u> Per Each	LF.	1000	\$ 4.00	\$ 4000.00
815.004	Traffic Signal Cable 7 Conductor <u>two dollars</u> Per Each	LF.	1000	\$ 2.00	\$ 2000.00
815.005	Traffic Signal Cable Bonding Cable <u>two dollars</u> Per Each	LF.	1000	\$ 2.00	\$ 2000.00
815.006	Traffic Signal Cable For Opticom <u>one dollar</u> Per Each	LF.	1000	\$ 1.00	\$ 1000.00
815.007	Cement Concrete Foundation for Mast Arm <u>one thousand</u> Per Each <u>dollars</u>	EA.	5	\$ 1000.00	\$ 5000.00
815.008	Cement Concrete Foundation for Post MHD SD3.030 <u>seven hundred fifty</u> Per Each <u>dollars</u>	EA.	5	\$ 750.00	\$ 3750.00

PRT

TRAFFIC SIGNAL MAINTENANCE, REPAIR, & IMPROVEMENTS – PRICING PAGE (4)

Item	Description – Write Unit Bid Price in Words	Unit	Quantity	Unit Price	Amount
815.009	Loop Detectors in Roadway Installed - Complete <u>ten dollars</u> Per Each	LF.	500	10.00 \$	5000.00 \$

\$ 35500.00

TOTAL EQUIPMENT / MATERIALS

+ \$ 193078.00

TOTAL LABOR / ITEMS A-R

= \$ 228,578.00 *

TOTAL BID PRICE

*Award to be based on this amount

**All materials, supplies, parts, etc. not specifically listed above, and required to be procured by the Contractor for the faithful performance of this contract may be charged to the City of Worcester at a rate not to exceed 10% over the Contractor's net cost. The City may request original copies of the Contractor invoices at any time to confirm said costs.