

BID SCHEDULE

PROJECT: Town of Woodstock – Street Lighting Replacement

Refer to Section 012210 – Unit Price Measurement and Payment for scope of pay items.
Unit Prices have been computed in accordance with paragraph 11.03.B of the General Conditions.

Bidder acknowledges that estimated quantities are not guaranteed, and are solely for the purpose of comparison of Bids, and final payment for all Unit Price Bid items will be based on actual quantities provided, determined as provided in the Contract Documents.

Pay Item No.	Pay Item Description	Estimated Quantity	Unit	Unit Price	Total Price
	Base Bid				
1	35W Exterior LED Luminaries at existing 70W HPS Luminaries	64	EA		
2	35W Exterior LED Luminaries at existing 70W MV Luminaries	48	EA		
3	71W Exterior LED Luminaries at existing 150W HPS Luminaries	13	EA		
4	141W Exterior LED Luminaries at existing 250W HPS Luminaries	02	EA		
	Total (Items 1-4)	--	--	--	

Appendix A -
Town of Woodstock
Street Light Detail List

Pole #	Existing Fixture Type	Lumens	Street Location	Replacement Fixture
0053717	HPS	5800	Chestnut Hill	A
0105953	HPS	5800	Comeau Dr	A
0143251	HPS	5800	Comeau Dr	A
0143252	HPS	5800	Comeau Dr	A
0143253	HPS	5800	Comeau Dr	A
0143254	HPS	5800	Drive to Tow	A
0072557	HPS	5800	Fire Co #2 W	A
0103830	HPS	5800	Fire Co #3 L	A
0123572	HPS	5800	Glasco Tpke	A
0143255	HPS	5800	Municipal Parking	A
0158693	HPS	5800	Old Forge	A
0121537	HPS	5800	Rock City Rd	A
0121538	HPS	5800	Rock City Rd	A
0123567	HPS	5800	Rock City Rd	A
0137160	HPS	5800	Rock City Rd	A
0137165	HPS	5800	Rock City	A
0128893	HPS	5800	Rt 212 at YE	A
0166758	HPS	5800	Striebel Rd	A
0107369	HPS	5800	Brook St	A
0137124	HPS	5800	Demming St	A
0132485	HPS	5800	Dixon Ave	A
0108116	HPS	5800	Dixon Ave	A
0108114	HPS	5800	Dixon Ave	A
0005452	HPS	5800	Elwyn Lane	A
0137132	HPS	5800	Millstream &	A
0107801	HPS	5800	Orchard N	A
0107803	HPS	5800	Orchard N	A
0005450	HPS	5800	Orchard St	A
0144450	HPS	5800	Parking Lot	A
0156830	HPS	5800	Parking Lot	A
0168205	HPS	5800	Parking Lot	A
0115447	HPS	5800	Pine Grove	A
0036256	HPS	5800	Public Parking	A
0047435	HPS	5800	Rock City Rd	A
0107387	HPS	5800	Rock City Rd	A
0065954	HPS	5800	Simmons St	A
0067771	HPS	5800	Simmons St	A
0033657	HPS	5800	Sled Hill Rd	A
0032517	HPS	5800	Streamside	A
0032519	HPS	5800	Streamside	A
0005447	HPS	5800	Tannery Brook	A
0103209	HPS	5800	Tannery Brook	A

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Pole #	Existing Fixture Type	Lumens	Street Location	Replacement Fixture
0137149	HPS	5800	Tannery Brook	A
0137150	HPS	5800	Tannery Brook	A
0137151	HPS	5800	Tannery Brook	A
0116295	HPS	5800	Tannery Brook	A
0049031	HPS	5800	Tinker St	A
0116205	HPS	5800	Tinker St	A
0057532	HPS	5800	Yerry Hill	A
0065883	HPS	5800	Yerry Hill	A
0065885	HPS	5800	Yerry Hill	A
0003383	HPS	5800	Dixon Ave	A
0069192	HPS	5800	Harder Rd	A
0069188	HPS	5800	Harder Rd	A
0069190	HPS	5800	Harder Rd	A
0068685	HPS	5800	Overlook Dr	A
0068687	HPS	5800	Overlook Dr	A
0068689	HPS	5800	Overlook Dr	A
0068692	HPS	5800	Overlook Dr	A
0068694	HPS	5800	Overlook Dr	A
0068696	HPS	5800	Overlook Dr	A
0061125	MV	7000	Mt View	B
0057382	MV	7000	Mt View Ave	B
0112016	MV	7000	Neher St	B
0137155	MV	7000	Neher St	B
0112014	MV	7000	Neher St	B
0069112	MV	7000	Pine Grove	B
0137126	MV	7000	Pine Grove	B
0115445	MV	7000	Pine Grove S	B
0036255	MV	7000	Public Parking	B
0037827	HPS	16000	Old Forge Rd	C
0061706	HPS	16000	Rec Field Rd	C
0047220	HPS	16000	Rock City Rd	C
0107388	HPS	16000	Rock City Rd	C
0033655	HPS	16000	Rostron Lane	C
0119936	HPS	16000	Rt 212	C
0020151	HPS	16000	Rt 212	C
0119937	HPS	16000	Rt 212	C
0018933	HPS	16000	Rt 212 & Dix	C
0103755	HPS	16000	Rt 212 at CH	C
0103806	HPS	16000	Rt 212 at MI	C
0103882	HPS	16000	Rt 212 at SI	C
0037805	HPS	16000	Rt 212 at OV	C
0166760	HPS	16000	Rt 212 Bears	C
0010401	HPS	16000	Rt 375 at MA	C

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Pole #	Existing Fixture Type	Lumens	Street Location	Replacement Fixture
0122293	HPS	16000	Whittenberg	C
0137125	MV	7000	Demming & Br	C
0137175	MV	7000	Library Lane	C
0038721	MV	7000	Maple St	C
0038723	MV	7000	Maple St	C
0154320	HPS	16000	Mt View/Parking	C
0154319	HPS	16000	Mt View/Parking	C
0036496	HPS	16000	Municipal Parking	C
0107385	HPS	16000	Rock City Rd	C
0047438	HPS	16000	Rock City Rd	C
0107379	HPS	16000	Rt 212	C
0156874	HPS	16000	Rt 212	C
0107375	HPS	16000	Rt 212 & DEM	C
0107378	HPS	16000	Rt 212 & MAP	C
0033660	HPS	16000	Rt 212 & RT	C
0137189	HPS	16000	Rt 212 & RT	C
0107370	HPS	16000	Rt 212 at BR	C
0103852	HPS	16000	Rt 212-Willow	C
0137168	HPS	16000	Tinker St	C
0105954	HPS	16000	Tinker St & LIB	C
0112011	HPS	16000	Tinker St & NEL	C
0107380	HPS	16000	Tinker St & ROC	C
0103309	HPS	16000	Tinker St & TAN	C
0014593	HPS	16000	Tinker St	C
0049004	HPS	16000	Tinker St	C
0105331	HPS	16000	Tinker St	C
0105952	HPS	16000	Tinker St	C
0107373	HPS	16000	Tinker St	C
0107381	HPS	16000	Tinker St	C
0107382	HPS	16000	Tinker St	C
0107383	HPS	16000	Tinker St	C
0107390	HPS	16000	Tinker St	C
0115443	HPS	16000	Tinker St	C
0115449	HPS	16000	Tinker St	C
0137180	HPS	16000	Tinker St	C
0104553	HPS	16000	Tinker St	C
0107377	HPS	16000	Tinker St	C
0013545	HPS	27000	Zena 4 Cor	D
0137161	HSHPS	27000	Rock City Rd	D

APPENDIX B - LUMINAIRE REQUIREMENTS

EXISTING FIXTURE TO BE REPLACED		
FIXTURE TAG		B
BENCHMARK LUMINAIRE:	Lamp wattage and type	70 W MV Cobrahead
	Initial Luminaire output (lumens below horizontal)	7000
	Light loss factor	0.76
LENS:	<input type="checkbox"/> Flat ("cutoff" style) <input checked="" type="checkbox"/> Sag/drop	
IES DISTRIBUTION TYPE:	Type IV	
PERFORMANCE CRITERIA: APPLICATION		
ROADWAY		
ILLUMINANCE:	Maintained average horizontal at pavement	4.0 lux (0.4 fc)
	Avg:min uniformity ratio	6.0 : 1
PERFORMANCE CRITERIA: LED LUMINAIRE		
INPUT POWER:	Max. nominal luminaire input power	35 W
NOMINAL CCT:	Rated correlated color temperature	4200 K
LUMINAIRE OUTPUT:	Minimum <i>maintained</i> luminaire output below horizontal	3300 lm
VOLTAGE:	Nominal luminaire input voltage	120 V
FINISH:	Luminaire housing finish color	Gray
WEIGHT:	Maximum luminaire weight	25 lb
EPA:	Maximum effective projected area	0.7 ft ²
MOUNTING:	Mtg. method <input type="checkbox"/> Post-top <input checked="" type="checkbox"/> Side-arm <input type="checkbox"/> Trunnion/yoke <input type="checkbox"/> Swivel-tenon	
	Nominal pipe size (existing arm)	Field Verify
	Mtg. Height	Existing Arm *
DRIVER:	Drive Current	350 mA

* See specification section 265600 - 3.2 (A) (B) for typical mounting height of existing arm support.

APPENDIX B - LUMINAIRE REQUIREMENTS

EXISTING FIXTURE TO BE REPLACED		A
FIXTURE TAG		
BENCHMARK LUMINAIRE:	Lamp wattage and type	70 W HPS Cobrahead
	Initial Luminaire output (lumens below horizontal)	5800
	Light loss factor	0.76
LENS:	<input type="checkbox"/> Flat ("cutoff" style) <input checked="" type="checkbox"/> Sag/drop	
IES DISTRIBUTION TYPE:	Type IV	
PERFORMANCE CRITERIA: APPLICATION		
ROADWAY		
ILLUMINANCE:	Maintained average horizontal at pavement	4.0 lux (0.4 fc)
	Avg:min uniformity ratio	6.0:1
PERFORMANCE CRITERIA: LED LUMINAIRE		
INPUT POWER:	Max. nominal luminaire input power	35 W
NOMINAL CCT:	Rated correlated color temperature	4200 K
LUMINAIRE OUTPUT:	Minimum <i>maintained</i> luminaire output below horizontal	3300 lm
VOLTAGE:	Nominal luminaire input voltage	120 V
FINISH:	Luminaire housing finish color	Gray
WEIGHT:	Maximum luminaire weight	25 lb
EPA:	Maximum effective projected area	0.7 ft ²
MOUNTING:	Mtg. method <input type="checkbox"/> Post-top <input checked="" type="checkbox"/> Side-arm <input type="checkbox"/> Trunnion/yoke <input type="checkbox"/> Swivel-tenon	Field Verify
	Nominal pipe size (existing arm)	Existing Arm *
	Mtg. Height	
DRIVER:	Drive Current	350 mA

* See specification section 265600 - 3.2 (A) (B) for typical mounting height of existing arm support.

APPENDIX B - LUMINAIRE REQUIREMENTS

EXISTING FIXTURE TO BE REPLACED		
FIXTURE TAG		C
BENCHMARK LUMINAIRE:	Lamp wattage and type	150 W HPS Cobrahead
	Initial Luminaire output (lumens below horizontal)	16000
	Light loss factor	0.76
LENS:	<input type="checkbox"/> Flat ("cutoff" style) <input checked="" type="checkbox"/> Sag/drop	
IES DISTRIBUTION TYPE:	Type IV	
PERFORMANCE CRITERIA: APPLICATION		
ROADWAY		
ILLUMINANCE:	Maintained average horizontal at pavement	4.0 lux (0.4 fc)
	Avg:min uniformity ratio	6.0 : 1
PERFORMANCE CRITERIA: LED LUMINAIRE		
INPUT POWER:	Max. nominal luminaire input power	71 W
NOMINAL CCT:	Rated correlated color temperature	4200 K
LUMINAIRE OUTPUT:	Minimum <i>maintained</i> luminaire output below horizontal	5800 lm
VOLTAGE:	Nominal luminaire input voltage	120 V
FINISH:	Luminaire housing finish color	Gray
WEIGHT:	Maximum luminaire weight	25 lb
EPA:	Maximum effective projected area	0.7 ft ²
MOUNTING:	Mtg. method <input type="checkbox"/> Post-top <input checked="" type="checkbox"/> Side-arm <input type="checkbox"/> Trunnion/yoke <input type="checkbox"/> Swivel-tenon	
	Nominal pipe size (existing arm)	Field Verify
	Mtg. Height	Existing Arm *
DRIVER:	Drive Current	700 mA

* See specification section 285600 - 3.1 (A) (8) for typical mounting height of existing arm support.

APPENDIX B - LUMINAIRE REQUIREMENTS

EXISTING FIXTURE TO BE REPLACED	
FIXTURE TAG	D
BENCHMARK LUMINAIRE:	250 W HPS Cobrahead
Lamp wattage and type	
Initial Luminaire output (lumens below horizontal)	27000
Light loss factor	0.76
LENS:	<input type="checkbox"/> Flat ("cutoff" style) <input checked="" type="checkbox"/> Sag/drop
DIES DISTRIBUTION TYPE:	Type IV
PERFORMANCE CRITERIA: APPLICATION	
ROADWAY	
ILLUMINANCE:	Maintained average horizontal at pavement 4.0 lux (0.4 fc)
	Avg:min uniformity ratio 6.0:1
PERFORMANCE CRITERIA: LED LUMINAIRE	
INPUT POWER:	141 W
NOMINAL CCT:	4200 K
LUMINAIRE OUTPUT:	11000 lm
VOLTAGE:	120 V
FINISH:	Gray
WEIGHT:	40 lb
EPA:	1.0 ft ²
MOUNTING:	Mtg. method <input type="checkbox"/> Post-top <input checked="" type="checkbox"/> Side-arm <input type="checkbox"/> Trunnion/yoke <input type="checkbox"/> Swivel-tenon
	Nominal pipe size (existing arm) Field Verify
	Mtg. Height Existing Arm *
DRIVER:	Drive Current 700 mA

* See specification section 355600 - 3.2 (A) (6) for typical mounting height of existing arms support.

