

Town of Fortville
Utility and Street Standards

SECTION 02503 - STREET LIGHTING

PART 1 - GENERAL

1.1 SCOPE

The extent and locations of the street lights are shown on the approved drawings.

1.2 QUALITY ASSURANCE

Contractor shall provide each furnishing as a complete unit produced by a single manufacturer, including fittings, accessories, bases and anchorage devices as applicable.

1.3 SUBMITTALS

Contractor shall submit manufacturer's technical data and installation instructions to Town Superintendent for each type of furnishing. Prior to installation, written approval must be obtained from the Town.

1.4 DELIVERY, STORAGE AND HANDLING

Furnishings and accessories shall be delivered with all components completely identified and ready for installation. Contractor shall store and handle furnishings in a manner to prevent damage.

PART 2 - PRODUCTS

2.1 STREET LIGHTS AND COMPONENTS

A. General Style

Period style single globe street light.

B. Pole

The pole shall consist of the base and associated accessories. The shaft shall be round and extruded from 6063-alloy aluminum, heat-treated to produce a T6 temper. Shafts shall have evenly spaced highly detailed raised vertical flutes with a .188 wall thickness. The base shall be one piece of .220 in. thick corrosion resistant cast aluminum consisting of a smooth stepped bottom section with flush hand hole, and a decorative tapered fluted section with highly detailed raised vertical flutes. The base and shaft shall be welded to form one rigid unit with a pole height of 12'-0", overall. The base shall be supplied with (4) anchor bolts having two nuts each. The finish for the entire assembly is to be a two part verde green electrostatically applied on textured acrylic enamel.

C. Globe

An acorn style clear patterned polycarbonate globe 15.5" x 28.5" shall be mounted on a decorative cast aluminum pole-fitter base.

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- D Fixture
The fixture shall be LED equivalent to a 150 Watt bulb.

PART 3 - EXECUTION

3.1 INSTALLATION

Contractor shall install furnishings and accessories in accordance with the manufacturer's installation instructions and industry accepted practices.

3.2 WARRANTY

Contractor shall provide manufacturers written warranty for furnishings and accessories which shall be for a period of one year from the date of acceptance. Defective parts shall be replaced at no cost to the Town during the warranty period.

PART 4 – FIGURES

4.1 STREET LIGHT DETAIL

<u>FIGURE</u>	<u>DESCRIPTION</u>
2503-1	Street Light Detail

END OF SECTION 02503

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STREET LIGHT DETAIL			
	Style:	Village Series or equal, Environmentally Friendly	
	Height:	37 7/8"	
	Width:	15 3/4"	
	Material:	319 Alloy Cast Aluminum. Dark Hemlock	
	Globe:	P70343 Refractor Style TYP III or V	
	Shield:	FP3318-2 Up Light Shield	
	Finial:	H350M, Dark Hemlock	
	Lamping:	LED, equivalent to 150Watts	
	Voltage:	Multi Tap.	
	Socket:	Med Base, 4K rated	
	Style:	The Washington or equal	
	Pole:	5" Dia. .125 Extruded Aluminum	
	Base:	16 3/4" Dia. Heavy Cast Aluminum	
	Pole Height:	12' over all.	
	Base Height:	20"	
	Tenon:	3" O.D. x 3"	
	Access Door:	3" x 8" x 7" Secured with tamper-proof screws.	
	Mounting	(3) 5/8" Dia. X 16" galvanized "J" Bolts.	
	Photo Cell:	7020 supplied with easy access door.	
	77911 Black HPS150MUL	Luminaire	
	70343	Ref/Globe	
	FP3318-2	Shield (No Up Light)	
	H130M Black	Finial	
76612 Black	Pole		
70203 Black	Photo Cell		

This Street Light meets the "Reduces "No Light Up" Environmentally Friendly standards set by the Town of Fortville.



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