

STREET LIGHTING SYSTEM

The street lighting system shall be installed as follows:

- o The contractor shall submit shop drawings to the City Light Dept. for review.
The City Light Dept. contacts are as follows:
 - Travis Rounds (605-413-7826) travis.rounds@siouxfalls.gov
 - Jerry Jongeling (605-373-6979) jerry.jongeling@siouxfalls.gov
- o The contractor shall begin the street lighting system installation per the construction plans. The contractor shall have the engineering firm stake the location of the street lights, junction boxes, meters, etc. prior to their installation. Any changes to the original approved plan set shall be coordinated with the City Light Dept.
- o The street lighting system shall be a conduit system. The street light poles shall have breakaway transformer bases and shall be installed on concrete footings.
- o The street lighting system shall be 120V.
- o The contractor shall furnish and install all street light wire and shall pull all wires through the conduits, junction boxes, and light poles.
- o The contractor shall notify the City Light Dept. after the electrician inspection has been completed so the City Light Dept. can make the line-to-line connections with the junction boxes and street light poles.
- o The contractor shall address and resolve any final inspection items prior to City signing-off on the final acceptance and prior to the City taking ownership of the lighting system.
- o The developer/designer shall design the project per the Design Standards for Roadway Lighting – Chapter 15.
The contractor shall construct the project per the Standard Specifications for Roadway Lighting – Section 635B.
<https://www.siouxfalls.gov/business-permits/development-projects/construction-management-and-design>

LOCATES AND ACCEPTANCE

- The developer/contractor shall be responsible for repairs, damages and locating for all project conduit, wire, junction boxes, poles, fixtures, footings, etc. within the project limits until the City has accepted all lighting fieldwork as complete. Once accepted, the City will assume ownership and subsequently locating responsibilities of the lighting system. The following criteria must be met before final acceptance:
- o All items installed per plans and specifications
 - o All deficiencies have been addressed and approved
 - o All lights are energized from proposed permanent power source

CONTRACTOR FURNISHED MATERIALS

To clarify what items are being furnished and installed on this project, the following table has been provided:

Table 1-1: Roadway Lighting Material Furnish and Install Standard					
Material	City Furnish	Contractor Install	Developer / Contractor Furnish & Install	City Furnish & Install	Power Supplier
ALL CITY STREETS					
Meter Pedestal & Breakers			X		
Meter					X
Conduit			X		
Wire in Conduit			X		
Junction Box			X		
Concrete Footings			X		
Breakaway Bases			X		
Luminaire Pole			X		
LED Luminaire & Photo Eye			X		
Locator Ball			X		
Fuses/Connectors for Wiring				X	

LED LUMINAIRE FIXTURES

The contractor shall submit fixture make, model, & specifications to City Light Dept. for review prior to installation. Fixtures shall meet the criteria per Standard Specifications for Roadway Lighting – Section 635B.2

- o 20' Street Lights
4K (4,000-5,000 Lumens) Type II
- o 30' Street Lights
12K (11,000-13,000 Lumens) Type II
- o 40' Street Lights
16K (15,000-17,000 Lumens) Type III

ELECTRICAL WIRE

All electrical wire shall meet the criteria per Standard Specifications for Roadway Lighting – Section 635B.2

LUMINAIRE POLES AND BASES

Luminaire poles, arms, pole bases and breakaway bases shall be as listed in Table 635B-1, as well as meeting the criteria per the Standard Specifications for Roadway Lighting – Section 635B. See City standard plate #635.56.

ELECTRICAL JUNCTION BOX

See City Standard Plate 635.72 for Residential
See City Standard Plate 635.70 for Commercial

STREET LIGHT FOOTING

The Contractor is responsible for installing all street light footings according to the plans and standard plate #635.60. Street light footings shall be installed to a depth of 5 feet for 20' shafts, and 6 feet for 30'-40' shafts.

CONDUIT

Conduits shall be a minimum of 2" Schedule 40 PVC behind the curb and gutter and a minimum of 2" Schedule 80 PVC under all roadways and installed to a minimum depth of 24". Conduit ends shall be capped or sealed as shown on the standard plates. #14 AWG Tracer Wire shall be installed in all lighting conduit not carrying street light wire. Each section of conduit shall bear the underwriter's laboratory's label. The conduit work shall be completed by a Licensed Electrician in conformance with applicable codes of the State of South Dakota. All conduit borings shall be included in the contract unit price per foot for the various conduit items. The Contractor shall not use machines requiring flowing water for installation of conduit under streets or roadways, unless specifically permitted by the Engineer. Refer to the electrical plan sheets for conduit quantities and locations. The plan shown conduit quantities shall be the basis of payment for this work unless changes are made in the field.

METER PEDESTAL

If a new metered service is required, the Contractor shall coordinate with City Lighting Department, who will complete the application process with the Local Utility Company for the new meter. Please coordinate with Local Utility Company regarding any other power feed questions. It shall be the responsibility of the Contractor to contact the City Inspector for the electrical inspection. It shall be the responsibility of the Contractor to contact Local Utility Company to make the final connections from the meter pedestal to the transformer.
Clearance between meter pedestal and transformer shall be 24" minimum

Specification Reference No. 635B, Standard Plate 635.50
Approved Meter Pedestals:

- o Milbank U6221-O-200-10GR
- o Milbank U5701-O-200S-5T9
- o Midwest R281C1P6H034

LOCAL UTILITY COMPANY

The local utility company contact info is as follows:

Xcel Energy contact info:

- o Aaron Bickett (605-261-1354) aaron.m.bickett@xcelenergy.com
- o Derreck Martin (605-830-6083) derreck.t.martin@xcelenergy.com
- o Michael Amundson (605-310-0193) michael.j.amundson@xcelenergy.com
- o Mike Ronfeldt (605-212-1362) michael.a.ronfeldt@xcelenergy.com
- o Parker Scheier (605-421-0392) parker.l.scheier@xcelenergy.com
- o Robbi Buller (605-251-8691) robbi.buller@xcelenergy.com

Sioux Valley Energy contact info:

- o Jason Sage (605-256-1629) jason.sage@siouxvalleyenergy.com

Southeastern Electric contact info:

- o Adam Stark (605-368-4000) adam@southeastern.coop

*** PROJECT ***
*** PROJECT LIMITS ***
*** PROJECT DESCRIPTION ***

RESIDENTIAL STREET LIGHTING NOTES

DESIGNED BY: XXX	ACAD FILE: XXX
DRAWN BY: XXX	DATE: XXX
CHECKED BY: XXX	DATE: XXX
REVISIONS:	BY: DATE:
	BY: DATE:

CITY OF SIOUX FALLS
PUBLIC WORKS
 Providing a Better Quality of Life for You!



SHEET NO.

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