

City of Boise Public Works Street Light Requirements

Nov 6th, 2023

Website

[Cityofboise.org/Public Work/Streetlights/Development Permits or Requirements](http://Cityofboise.org/PublicWork/Streetlights/DevelopmentPermitsorRequirements) Please contact Tom with any questions.

208-

608-7526

tmarshall@cityofboise.org

All street light facilities will be installed in the ROW or an easement will be provided to the city by the developer

Conductor

All conductors in Cabinets, Junction Boxes, and Conduits shall be AWG # 6 copper
AWG # 10 conductors shall only be used inside light poles



- Neutral wire shall be **white** NEC 200.6
- The ISPWC does not allow phase tape to be used
- NEC states the Grounding wire shall be **green**

Circuits

- Lighting circuits for cabinets are 208V or 240V Only
- "A" phase is Black
- "B" phase is Red
- Receptacle conductors are Blue & White
- Lighting circuits for residential can be 110V, or 240V

Bonding

- NEC 250 -148 Continuity and Attachment of Equipment Grounding Conductors to Boxes & their cover with the use of a # 6 compression lug.
- Light pole, Pole Base, and Fixture shall be connected to the Grounding Wire



Cabinets

- Ground rod should be bonded with the grounding bar
- The neutral bar shall be bonded with the grounding bar at point of service
- 2" conduit should feed all cabinets on the line side (Idaho Power side)

- 2" conduits for all load side for Historical Poles or downtown
- 1" conduits are acceptable for subdivisions or small commercial projects on load side, ask the Street Light Program Supervisor if in doubt (Tom) 208-440-2320
- Must have a test switch in **all** cabinets
- Must have photo cell designed by the cabinet maker installed in cabinet, **NO**

EXCEPTIONS

- **No** timers in meter cabinets
- City of Boise Planning and Development Services Electrical Inspector (208-608-7070) must inspect **all** cabinets before a final inspection by Public Works
- Must have Electrical permit for new service

Wire Connectors for underground



POLARIS™ EDGE
Pre-Insulated Connectors
For Street Lighting.



- NSI ISPBS2/0 1 IN / 1 OUT
- NSI ISPB2/0-2 2 PORT
- NSI ISPB2/0-3 3 PORT
- NSI ISPB2/0-4 4 PORT
- NSI ISPB02/0 1 IN / 2 OUT



HOMAC USL 30

Historical poles

- Must have GFCI receptacles with TayMac Metal Bubble cover (MX5280S) with outer finish color RAL6009.
- Must have Banner Arm, Eye Bolt
- See Drawing BC SD-8 & BC SD-9, poles must be elevated more than 1" off the ground, and must be grouted around the base of the pole

Inspections

- Call Public Works Inspections at 208-608-7549 to schedule inspections

- Contractor must be onsite for all inspections
- Arc Fault current shall be labeled at Pole and/or cabinet

All sonotubes will be the full length of the base, short sonotubes are not allowed



Bridgeport IGBC-063 5/8" Ground Rod Clamp used for establishing a Service (Residential)

