

BOISE CITY STREET LIGHT PLAN REVIEW REQUIREMENTS AND CHECK LIST

Lighting Project Name _____

Project Address _____

DLP or SUB File Number _____ Electrical Contractor _____

Work must conform to Boise City Street Light specifications (see www.cityofboise.org for more information).

1. LED Fixture Type / List Quantity (equipped twist lock photo cell receptacle and wattage label):
_____ Shoe Box _____ Historical _____ Cobra Head _____ Decorative
2. LED Wattage Class / List Quantity and specific fixture wattage for each fixture to be used:
_____ Class A _____ Class B _____ Historical Poles
3. Pole Height / Street Classification/Quantity
_____ 13' (standard approved Boise City historical pole)
_____ 25' (standard pole height - residential or residential collectors)
_____ 30' (standard pole height - arterial & major collectors)
4. Base & Pole Type (Only black or dark bronze approved for pole color, Contractor Option)
_____ Concrete base (metal poles only) refer to PW standard drawing
_____ Direct burial base (fiberglass, metal poles only)
5. Mast Arm Length (for mast arms longer than 8")
_____ List total length of required mast arm in feet _____ ft.
6. Method of Grounding (contractors option, check one) refer to PW standard drawing
_____ Ground rod
_____ Bare #6 copper connected to re-bar cage
7. Required Drawing information:
The construction drawings shall be on a large enough scale to identify the following features:
_____ Pole locations
_____ Power source locations such (e.g., junction boxes, transformer, or overhead poles); verify with Idaho Power
_____ Overhead power lines that exist within 20' of any proposed light installations.
_____ Dimensioning light locations to a key reference point in the field.
_____ Both public right-of-way and street light easements. (If new lighting facilities are not located within the public right-of-way)
_____ Minimum drawing sheet size for subdivision or individual street lights.
1" = 100 ft. On 8 1/2" x 11" or larger or minimum drawing sheet size for formal lighting Designs. 1" = 100 ft. On 24" x 36" sheet.
_____ Show all locations of the Schedule 40 PVC, UL labeled conduit along with conduit size to be installed, over 10 ft. In length and indicate a maximum conduit installation off-set behind the back of side walk of 18".
_____ Show Available Fault Current calculation at each service connection to Idaho Power.

8. Note's required on all Construction Drawings:

_____ Contractors installing lighting will be required to contact Boise City Public Works Inspection Section **48 hrs.** prior to schedule the preliminary inspection prior to placing concrete or covering conduits. In addition, the electrical contractor is required to call **24 hrs.** in advance to schedule a final inspection by the Boise City Public Works Inspection Section after all work has been completed. **Electrical Contractor must be present at all inspections** (To schedule your Public Works Inspection, phone 608-7549) For metered services an additional inspection is required by the electrical inspector having jurisdiction at the projects location (Boise city within city limits, State if in the county within the city's area of impact.

_____ For design information or question, contact Tom Marshall, (208) 608-7526
All Street Lights shall be installed per ISPWC, NEC Codes, ACHD codes for working with in the public right-of-way, and Boise City Public Works street light standard revisions to the ISPWC.

_____ Developer shall not connect, or allow any subcontractor to connect any irrigation timers, decorative lighting, entrance lighting, or outlets of other electrical devices to any street lighting circuits. Any and all irrigation timers, decorative lighting, entrance lighting, outlets or other electrical devices shall be connected directly to Idaho Power at an Idaho Power approved location via a separate conduit system.

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9. Notes to be included on the drawings or as attachments if they apply.

_____ Underground wire shall be #6 copper, AWG, THWN, 600 volt insulated (no aluminum wire)

_____ Overhead Wire can be either #6 copper or aluminum duplex with a ASCR neutral Messenger

_____ All electrical conduits shall be schedule 40, PVC, UL labeled

_____ A locating wire is required in all empty PVC Electrical conduits

10. Notes Required When Street Light Electrical Service Cabinets are used:

_____ For service cabinet installation, an electrical permit is required from Boise City Building Department or the state if located in the county.

_____ Inspection of service cabinets within the city will be though Boise City Building Department Electrical Section as well as the Public Works Inspection Dept. In the County, the State will inspect in addition to Public works. **The Building Department Inspection or State Inspection must be accomplished first before calling for the Public Works Final Inspection.** To schedule your City Building Dept. Electrical Inspection or for permit information, phone (208) 608-7070

Upon completion of lighting design drawings, three (3) copies with the above information (either shown on or attached) shall be submitted to Tom Marshall in Public Works for approval prior to receiving a building permit.