

BOISE CITY STREET LIGHT PLAN REVIEW REQUIREMENTS AND CHECK LIST

Lighting Project Name _____

Project Address _____

File Number _____ Electrical Contractor _____

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

1. Fixture (HPS) Type/Quantity - equipped with factor twist lock photo cell receptacle
_____ Shoe Box _____ Historical _____ Cobra Head _____ Decorative
2. High Pressure Sodium Lamp Wattage/Quantity:
_____ 100 Watt _____ 150 Watt (Historical poles only) _____ 250\400 Watt
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)
_____ 35' (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) 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".

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 the start of construction to receive a set of approved construction plans and 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 final inspection** (To schedule your Public Works Inspection, phone 388-4725.)

_____ Developer or electrical contractor is required upon completion of all final inspection to notify Boise City Public Works Street Lighting Section (388-4719) when ready for power energizing to newly installed street lights. Provide the contractor's name, Subdivision name.

_____ For design information or question, contact Mike Hedge (208) 388-4719
All Street Lights shall be installed per NEC Codes, ACHD codes for working with in the public right-of-way, and Boise City Public Works street light standards.

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 conduit shall be schedule 40, PVC, UL labeled

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

10. Controller Cabinets:

_____ For controller cabinet installation a electrical permit is required from Boise City Building Department.

_____ Inspection for controller cabinet will be through Boise City Building Department Electrical Section. (To schedule your electrical inspection or permit information, phone 384-3804 or 384-3805)

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