Sample project special: 613lxcel

02-03-11

REVISION OF SECTION 613

LIGHTING (XCEL)

Section 613 of the Standard Specifications is hereby revised for this project as follows:

Subsection 613.02 shall include the following:

Highway lighting materials and equipment for installation and modifications shall be compatible or interchangeable with standard materials and equipment as stocked by Public Service Co. of Colorado (PSCO).

Lighting materials and equipment that are compatible with that stocked by P.S. CO. are as follows:

|  |  |  |
| --- | --- | --- |
| **ITEM** | **SUPPLIER** | **CATALOG NUMBER** |
| Wall and Pendant Type Luminaires Luminaire (Wall Type), 150 Watt HPS (16,000Lumens) | HolophaneGeneral ElectricCrouse-HindsAmerican Electric | 1488-MTBW40L15S11H1SN4DBLWAL15FPNXXVP482-5E161 |
| For Standard Round Shaft Supports Luminaire, 400 Watt HPS (Flat Lens) | General ElectricAmerican ElectricCrouse-Hinds | M4RC40S1M2GMC3125-7642-DJOVM40SM22DF4 |
| For Square Shaft Supports Luminaire, 400 Watt HPS, Rectilinear | NuArtGeneral ElectricAmerican ElectricCrouse-Hinds | ARL-1-HPS-400DSMF401M2GMC3DBR169-6242-1J3EBRAL-400LEC-II-PC-AF-120 |
| For Standard Square and Round Shaft Supports Coupling, Breakaway | Transpo Safety | 210H |
| For Standard Square and Round Shaft Supports Skirt, 15 inch Bolt Circle | Transpo Safety | SPM-1150 |

The Engineer's review of lighting materials will be coordinated with P.S. CO.

The square light standards, mounting arms, and rectilinear luminaires shall be dark bronze, and the color shall be uniform for all components. Surfaces to be field painted shall be given one shop coat of primer in accordance with subsection 509.24 and field coated with dark bronze paint in accordance with subsection 509.29.

All aluminum surfaces to be painted shall be prepared with chemical conversion treatment as required in subsection 713.04.

Subsection 613.05 shall include the following:

At least one grounding electrode shall be installed adjacent to each light standard. Wiring shall be a 120/240 volt or 120/208 volt, 3-wire system with individual luminaires wired for 120 volts.