Sample project special: 613lxcel

02-03-11 (Re-issued 07-03-17)

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) | Holophane  General Electric  Crouse-Hinds  American Electric | 1488-MTB  W40L15S11H1SN4DBL  WAL15FPNXXVP  482-5E161 |
| For Standard Round Shaft Supports  Luminaire, 400 Watt HPS (Flat Lens) | General Electric  American Electric  Crouse-Hinds | M4RC40S1M2GMC3  125-7642-DJ  OVM40SM22DF4 |
| For Square Shaft Supports  Luminaire, 400 Watt HPS, Rectilinear | NuArt  General Electric  American Electric  Crouse-Hinds | ARL-1-HPS-400  DSMF401M2GMC3DBR  169-6242-1J3EB  RAL-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.