INSTRUCTIONS TO DESIGNER:

1. Submit shop drawings to the Engineer detailing the layout of the maintenance lighting system for the entire structure.
2. Furnish all labor, equipment, materials, and incidentals required for a complete and functional installation.
3. Furnish and install lighting contactors to switch the 480V AC feeding the mini power centers. Provide six hour reset timers for each circuit to turn off the lighting system automatically.
4. Furnish and install surface mounted, fully enclosed, incandescent light fixtures with gasketed clear globes and wire guards of 50' maximum on centers. Provide 100 watt, 130 volt, vibration resistant and brass base incandescent lamps.
5. Locate switches at each end of each span and at every access door.
6. Include the cost of the box maintenance lighting system in the pay item for Lighting – Inside Box Girder (LS).

INSTRUCTIONS TO DESIGNER:

1. This Standard does not show all structure elements and is not intended to show the exact location of conduit runs. Coordinate these with the other trades to avoid conflicts. Coordinate all lighting fixtures and equipment locations with the Structure Plans.
2. Tabulate quantities of contactors, light fixtures, receptacles, timers, boxes, switches, power centers, pushboxes, conduit and conductors required for the Maintenance Lighting System within the box girder system. Place this table in the plans. Include pay item 715-50 Lighting – Inside Box Girder (LS) in TRANS*PORT.

CROSS REFERENCES:
1. For Maintenance Light Details, see Sheet 2.
2. For actual bridge section, see Structures Plans.