BOX GIRDER MAINTENANCE LIGHTING NOTES:

1. Submit shop drawings to the Engineer detailing the layout of the maintenance lighting system for the entire structure. The shop drawings must include, but not be limited to, the following items:
   a. Conduit layout and installation details through diaphragms, around post-tensioning (PT) ducts, lateral bracing and cross frames as necessary.
   b. Conduit access through box girder and diaphragms with minimum 1" clearance in all directions.
   c. Conduit expansion joint details.
   d. Fastener details for the interior electrical system.
   e. Single line diagram showing mini-power centers, switches, contactors, timers, etc.
   f. Mini-power center details including breaker details.
   g. Mini-power center mounting details if required.
   h. Feeder schedule.

2. Ensure installation meets all requirements of the latest edition of the National Electrical Code (NEC) and local ordinances. Install grounding in accordance with NEC Article 250. Maintain separation between 480V and 120V Conductors / Conduits throughout.

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 lighting fixtures and equipment locations with the Structure Plans.

2. Tabulate in the plans and include in the TFD/SORT, for bid purposes, the pay items for the maintenance lighting system such as conductors, conduit, electrical work, etc.

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