Index 21240 Maintenance Lighting For Box Girders

Design Criteria

NFPA National Electric Code; ***Structures Design Guidelines (SDG)***

Design Assumptions and Limitations

This standard shows basic details and requirements for maintenance lighting systems located inside concrete and steel box girder superstructures. It does not show all structural elements and is not intended to show the exact location of conduit runs.

Lighting fixtures and equipment locations must be coordinated with the box girder superstructure details, e.g., structural steel components, metal stay-in-place deck formwork and post tensioning systems in concrete box girders.

This standard may be used in conjunction with Index 21210.

Plan Content Requirements

In the Structures Plans:

Show interior lighting and electrical outlets spaced at not more than 50 feet. Where inside box girder heights permit, show lighting mounted along center of box.

Prepare supplemental designs as required showing locations and details of conduit runs, power sources and other electrical components and incidental items.

Payment

Item number	Item description	Unit Measure
715-50	Lighting - Inside Box Girder	LS