

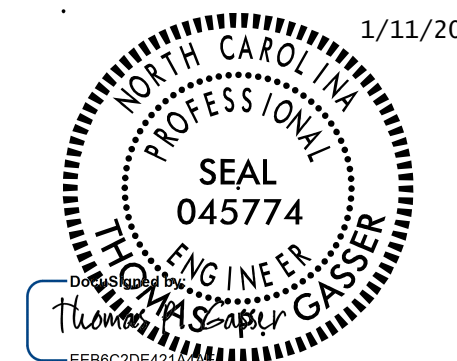
5/14/24

-FOR LIGHTING CONSTRUCTION ONLY-

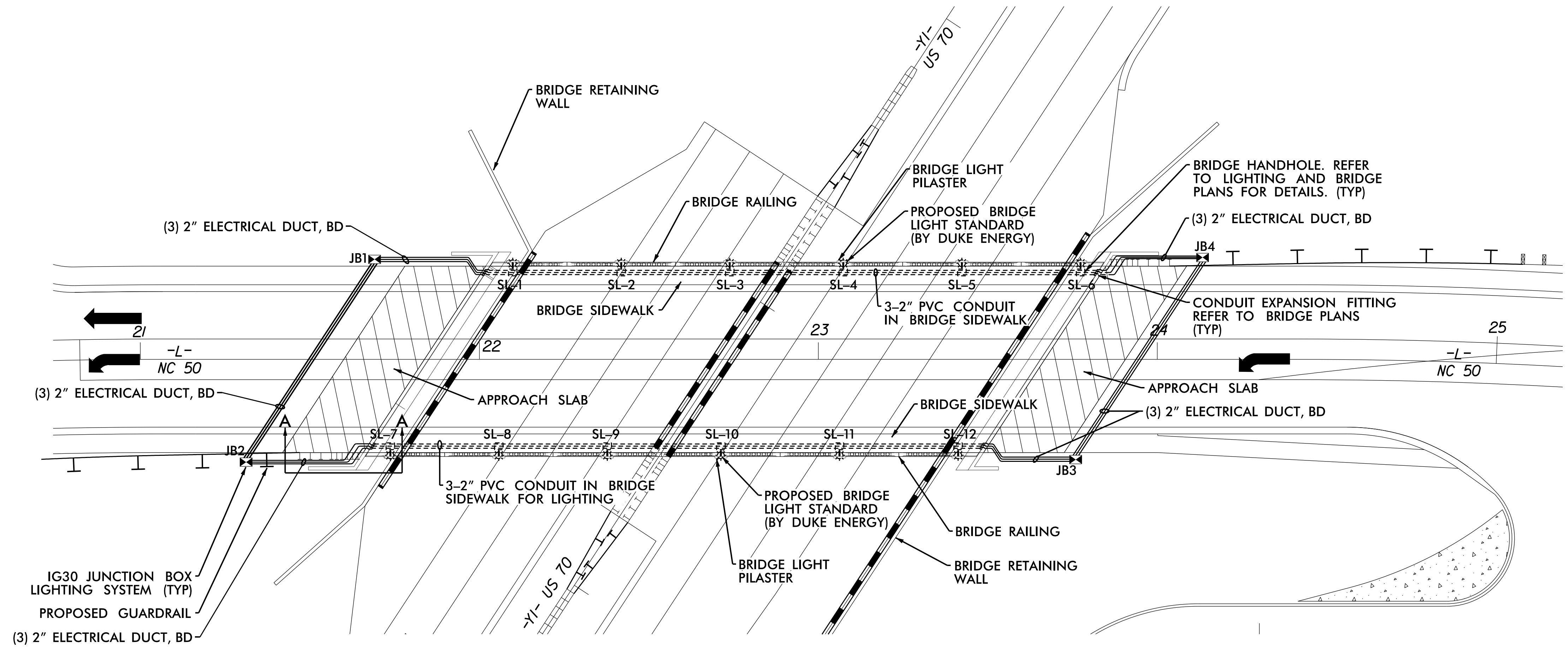
NAD 83 / NA 2011

PROJECT REFERENCE NO.	SHEET NO.
B-4654	LI

1/11/2024



**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**



ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" PROJECT SERVICES UNIT - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2024 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE
1409.01	ELECTRICAL DUCT
1410.01	FEEDER CIRCUITS
1411.01	ELECTRICAL JUNCTION BOXES

ALL WORK SHALL BE IN CONFORMANCE WITH DIVISION 14 OF THE STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES, DATED JANUARY 2024.

DESIGN CRITERIA

- 2014 ANSI/IESNA RP-8-14 RECOMMENDED PRACTICE FOR ROADWAY LIGHTING
- HIGH PEDESTRIAN ONLY CONFLICT AREAS (TABLE 4)
- 1.0 MINIMUM MAINTAINED AVERAGE FOOTCANDLES
- 4:1 AVERAGE TO MINIMUM UNIFORMITY RATIO
- 2020 NATIONAL ELECTRICAL CODE

LIGHTING LEGEND

- JB* PROPOSED ELECTRICAL JUNCTION BOX
- SL-* PROPOSED DECORATIVE LIGHT STANDARD
DUKE ENERGY MITCHELL OPEN LED & STYLE V
POLE PER TOWN OF GARNER, BY DUKE ENERGY
- ELECTRICAL FEEDER CIRCUIT
- PROPOSED BURIED ELECTRICAL DUCT, PVC
- ELEC. DUCT
- PROPOSED BRIDGE ELECTRICAL DUCT, PVC
- PROPOSED BRIDGE ELECTRICAL JUNCTION BOX

LIGHTING GENERAL NOTES

1. ALL MATERIAL MUST BE NEW AND ONLY LISTED OR LABELED EQUIPMENT MUST BE USED AND INSTALLED IN ACCORDANCE WITH ANY INSTRUCTIONS INCLUDED IN THE LISTING OR LABELING. (NEC SECTION 110-3(a) AND 3(b))
2. ALL LIGHT STANDARDS FURNISHED ON THIS PROJECT BY DUKE ENERGY.
3. TYPE IG18 JUNCTION BOXES ARE 12"W X 18"L X 18"H.
4. TYPE IG30 JUNCTION BOXES ARE 17"W X 30"L X 18"H.
5. POWER SERVICE AND LIGHTING CONTROL PANEL PROVIDED BY DUKE ENERGY.
6. SEE STRUCTURE PLANS FOR EXACT LOCATION OF LIGHT STANDARDS AND DESIGN OF LIGHT PILASTERS.
7. PROVIDE PVC CONDUIT EXPANSION FITTINGS AT ALL BRIDGE EXPANSION JOINTS.
8. INSTALL PULL ROPE IN ALL EMPTY CONDUITS, PROVIDE A MINIMUM OF 24" OF SLACK IN JUNCTION BOXES.
9. FOR DESCRIPTION OF WORK AND PAYMENT, SEE ELECTRICAL CONDUIT SYSTEM SPECIAL PROVISIONS.

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