

GENERAL NOTES

- ALL PROPOSED LIGHTING UNITS SHALL BE LABELED ACCORDING TO THE STANDARD SPECIFICATIONS, WITH POLE NUMBERS ATTACHED WITH STAINLESS STEEL BANDING. LIGHTING UNIT NUMBERING SHALL BE AS DIRECTED BY THE ENGINEER.
- CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE ELECTRICAL WORK WITH OTHER TRADES.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING MATERIALS.
- LIGHT POLE FOUNDATIONS SHALL BE INSTALLED PLUMB AND FLUSH WITH THE PROPOSED GRADE AND SHALL MEET THE HEIGHT REQUIREMENTS OF ARTICLE 836.03 OF THE STANDARD SPECIFICATIONS. AFTER UNIT DUCT IS INSTALLED, FOUNDATIONS SHALL BE FILLED WITH FINE AGGREGATE ACCORDING TO ARTICLE 836.03. WASHERS USED TO INSTALL THE POLE SHALL BE LARGE ENOUGH TO FULLY COVER THE SLOTTED HOLES IN THE POLE BASE PLATE.
- CONTRACTOR SHALL INSTALL LIGHT POLES AT THE LOCATIONS INDICATED ON THE PLANS, MAINTAINING ADEQUATE CLEARANCE FROM UTILITY LINES. CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY CLEARANCES PER THE NATIONAL ELECTRICAL SAFETY CODE AND/OR THE REQUIREMENTS OF THE UTILITY COMPANIES. THE LOCATION OF BURIED AND ABOVE GROUND UTILITIES SHOWN ARE APPROXIMATE AND ARE SHOWN FOR INFORMATION ONLY. REROUTING, DISCONNECTION, RELOCATION, PROTECTION ETC., OF ANY UTILITIES MUST BE COORDINATED BETWEEN THE CONTRACTOR, UTILITY COMPANY, AND OWNER. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR UNCOVERING OR HAND DIGGING AROUND UTILITIES AS NECESSARY. THE COST OF THIS WORK IS TO BE INCLUDED WITH THE UNDERGROUND CONDUIT AND ELECTRIC CABLE ASSEMBLY PAY ITEMS.
- THE CONTRACTOR SHALL PROVIDE AND INSTALL A CONCRETE WORK PAD IN FRONT OF THE LIGHTING CONTROLLER PER SECTION 825 OF THE STANDARD SPECIFICATIONS.
- INSTALL HORIZONTAL MOUNT LUMINAIRES PERPENDICULAR TO THE CENTERLINE OF THE ROADWAY AS REQUIRED BY ARTICLE 821.04 OF THE STANDARD SPECIFICATIONS, UNLESS SHOWN OTHERWISE ON THE PLANS.
- UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2 1/2" DIA. SHALL BE SCHEDULE 80 AS NOTED IN THE PLANS.
- ALL EXISTING LIGHT POLES SHALL OPERATE FROM DUSK TO DAWN DAILY FOR THE DURATION OF THIS PROJECT, EXCEPT AS NOTED IN THE TEMPORARY LIGHTING PLANS. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE LIGHTING SYSTEM UNTIL IDOT HAS TAKEN ACCEPTANCE OF THE SYSTEM. SPECIFIC LIGHT POLES SHALL BE REMOVED PER THE PLANS BY THE CONTRACTOR DURING SPECIFIC STAGES OF CONSTRUCTION AS DIRECTED BY THE ENGINEER.
- NO LIGHTING CIRCUIT OR PORTION THEREOF SHALL BE REMOVED FROM NIGHTTIME OPERATION WITHOUT APPROVAL OF THE ENGINEER.
- THE CONTRACTOR SHALL TAKE INSULATION RESISTANCE MEASUREMENTS OF ALL EXISTING CIRCUITS BEFORE ANY MODIFICATIONS ARE MADE AND PROVIDE THE WRITTEN RESULTS TO THE ENGINEER. EXISTING CIRCUITS IN THE LIGHTING CONTROLLER AT STA. 733+42 NOT TESTED AND PROPERLY DOCUMENTED SHALL BE SUBJECT TO THE INSULATION REQUIREMENTS OF ARTICLE 801.13 AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL TAKE INSULATION RESISTANCE MEASUREMENTS OF THE EXISTING PORTION OF THE CIRCUIT FED FROM THE PROPOSED CONTROLLER AT STA. 01+011 PRIOR TO CONNECTING THE NEW FACILITIES TO THIS CIRCUIT. WRITTEN RESULTS SHALL BE PROVIDED TO THE ENGINEER.
- AFTER THE PROPOSED CIRCUIT IS FULLY INSTALLED THE CONTRACTOR SHALL TAKE INSULATION RESISTANCE MEASUREMENTS ACCORDING TO ARTICLE 801.13 AND PROVIDE THE WRITTEN RESULTS TO THE ENGINEER. IF THE TEST RESULTS DO NOT COMPLY WITH ARTICLE 801.13, THE CONTRACTOR SHALL THEN TEST ONLY THE PORTIONS OF THE CIRCUIT WHICH ARE NEW. ANY WORK NECESSARY TO BRING THE CIRCUIT INTO COMPLIANCE SHALL BE AT THE CONTRACTOR'S OWN EXPENSE AND NO ADDITIONAL PAYMENT WILL BE ALLOWED.

STANDARDS

- 825021-02
- 830001
- 836001-01

CONSTRUCTION STAGING FOR TEMPORARY AND PERMANENT ROADWAY

GENERAL STAGING NOTES:

- THE SUGGESTED STAGING OF WORK FOR THE PROPOSED LIGHTING SYSTEM DESCRIBED ON THIS SHEET IS BASED ON THE CONSTRUCTION STAGING SHOWN IN THESE PLANS. THE CONTRACTOR IS RESPONSIBLE FOR SCHEDULING AND COORDINATING ALL WORK IN THIS CONTRACT WITH THE PROPOSED OR MODIFIED CONSTRUCTION STAGING.
- THE CONTRACTOR SHALL PROVIDE ALL NECESSARY TEMPORARY LIGHTING POWER FEEDS AS REQUIRED TO MAINTAIN THE EXISTING LIGHTING FOR THE DURATION OF THIS CONTRACT AS DIRECTED BY THE ENGINEER. ANY ADDITIONAL TEMPORARY LIGHTING WORK REQUIRED BUT, NOT SHOWN OR SPECIFIED IN THE CONTRACT DOCUMENTS SHALL BE INCLUDED IN THE CONTRACT BID PRICE AND PROVIDED AT NO ADDITIONAL COST TO IDOT.
- WHEREVER POSSIBLE THE PERMANENT LIGHTING SHALL BE USED AS TEMPORARY TO ELIMINATE THE NEED TO INSTALL SEPARATE TEMPORARY LIGHT POLES.

WORK TO BE DONE DURING STAGE B1

- REMOVE THE EXISTING 45 FT. MOUNTING HEIGHT TWIN TENON MOUNT LIGHT POLE WITH 250W HPS MULTI-MOUNT LUMINAIRES AND FOUNDATION (#3/3A) AT THE EB IL-15 EXIT RAMP AND IL-158. DO NOT REMOVE LUMINAIRES #3/3A FROM OPERATION UNTIL LUMINAIRES TP3 AND TP4 ARE OPERATIONAL.
- INSTALL A TEMPORARY ELECTRIC SERVICE AND TEMPORARY LIGHTING CONTROLLER IN THE AREA BETWEEN THE WB IL-15 EXIT RAMP AND IL-13 AS SHOWN ON THE PLANS.
- INSTALL TEMPORARY WOOD POLES, LUMINAIRES, AERIAL CABLE, AND ELECTRIC CABLE ASSEMBLY FOR THE PROPOSED EB IL-15 AND IL-158 RAMP TERMINAL ROUNDABOUT. THE TEMPORARY LIGHTING SHALL BE OPERATIONAL BY THE BEGINNING OF STAGE B2.
- INTERCEPT THE EXISTING UNIT DUCT FEED TO THE EB IL-15 EXIT RAMP LIGHTING, CONNECT TO THE TEMPORARY LIGHTING CIRCUIT, AND MAKE OPERATIONAL BY THE BEGINNING OF STAGE B2.

- INSTALL PORTIONS OF THE PROPOSED LIGHTING SYSTEM, SOUTH OF THE WB IL-15 EXIT RAMP AND IL-158 INTERSECTION, AS POSSIBLE. INSTALL THE UNDERPASS LIGHTING FOR SB IL-158 AT THIS TIME AND HAVE IT OPERATIONAL IN STAGE B1.

WORK TO BE DONE DURING STAGE B2

- INSTALL THE REMAINDER OF THE PROPOSED LIGHTING SYSTEM, SOUTH OF THE WB IL-15 EXIT RAMP AND IL-158 INTERSECTION. INSTALL THE UNDERPASS LIGHTING FOR NB IL-158 AT THIS TIME. THIS PORTION OF THE ENTIRE PROPOSED LIGHTING SYSTEM SHALL BE OPERATIONAL BY THE BEGINNING OF STAGE B3.
- INSTALL THE PERMANENT CIRCUIT CONNECTION FROM THE PROPOSED EB IL-15 EXIT RAMP LP#9 TO THE EXISTING EB IL-15 EXIT RAMP LIGHT POLE #2.

WORK TO BE DONE DURING STAGE B3

- REMOVE THE TEMPORARY WOOD POLES, LUMINAIRES, AND AERIAL CABLE TO THE SOUTHWEST OF THE TEMPORARY LIGHTING CONTROLLER. THE TEMPORARY LIGHTING CONTROLLER AND TEMPORARY ELECTRIC SERVICE SHALL REMAIN IN PLACE FOR TEMPORARY LIGHTING IN STAGES C1 THROUGH C3.

WORK TO BE DONE DURING STAGE C1

- INSTALL TEMPORARY WOOD POLES, LUMINAIRES, AERIAL CABLE, AND ELECTRIC CABLE ASSEMBLY FOR THE TEMPORARY INTERSECTION OF IL-15 AND IL-13. THE TEMPORARY LIGHTING SHALL BE OPERATIONAL BY THE BEGINNING OF STAGE C2.
- REMOVE THE EXISTING 45 FT. MOUNTING HEIGHT TWIN TENON MOUNT LIGHT POLE WITH 250W HPS MULTI-MOUNT LUMINAIRES AND FOUNDATION (#5/5A) AT IL-158 AND IL-13.

WORK TO BE DONE DURING STAGE C2

- REMOVE THE EXISTING 45 FT. MOUNTING HEIGHT TWIN TENON MOUNT LIGHT POLE WITH 250W HPS MULTI-MOUNT LUMINAIRES AND FOUNDATION (#4/4A) AT THE WB IL-15 EXIT RAMP AND IL-158.
- REMOVE THE EXISTING PEDESTAL MOUNTED LIGHTING CONTROLLER, FOUNDATION, AND ELECTRIC SERVICE AT IL-158 AND IL-13.
- INSTALL PORTIONS OF THE PROPOSED LIGHTING SYSTEM, NORTH OF THE IL-15 BRIDGES, AS POSSIBLE.

WORK TO BE DONE DURING STAGE C3

- INSTALL PORTIONS OF THE PROPOSED LIGHTING SYSTEM, NORTH OF THE IL-15 BRIDGES, AS POSSIBLE.
- INSTALL THE PERMANENT CIRCUIT CONNECTION FROM THE PROPOSED WB IL-15 EXIT RAMP LP#25 TO THE EXISTING WB IL-15 EXIT RAMP LP#8. THE WB IL-15 EXIT RAMP LIGHTING SHALL BE OPERATIONAL BY THE BEGINNING OF STAGE C4.
- REMOVE THE TEMPORARY LIGHTING SYSTEM, INCLUDING THE TEMPORARY LIGHTING CONTROLLER AND TEMPORARY ELECTRIC SERVICE, UNLESS DIRECTED OTHERWISE BY THE ENGINEER.

WORK TO BE DONE DURING STAGE C4

- INSTALL PORTIONS OF THE PROPOSED LIGHTING SYSTEM, NORTH OF THE IL-15 BRIDGES, AS POSSIBLE. AT A MINIMUM, THE EAST HALF OF THE WB IL-15, IL-158, AND IL-13 ROUNDABOUT SHALL BE ILLUMINATED AT THIS TIME.

WORK TO BE DONE DURING STAGE C5

- INSTALL THE REMAINDER OF THE PROPOSED LIGHTING SYSTEM, NORTH OF THE IL-15 BRIDGES. THE ENTIRE PROPOSED LIGHTING SYSTEM SHALL BE OPERATIONAL BY THE BEGINNING OF STAGE C6 WHEN THE WB IL-15, IL-158, AND IL-13 ROUNDABOUT IS COMPLETE.

LIGHTING LEGEND

-  WOOD POLE, CLASS 3, 50FT. UNLESS NOTED OTHERWISE (WP)
-  TEMPORARY LIGHTING UNIT, 50 FT. WOOD POLE, CLASS 3, W/250W HPS MULTI-MOUNT LUMINAIRE (TP)
-  DOWNGUY AND ANCHOR
-  LIGHTING UNIT ALUMINUM, 45 FT. M.H., 10 FT. MAST ARM W/LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250W, W/BREAKAWAY TRANSFORMER BASE (LP*)
-  UNDERPASS LUMINAIRE, 100 WATT, HIGH PRESSURE SODIUM VAPOR (UP*)
-  AERIAL CABLE, 2-1C NO. 4 ALUMINUM WITH MESSENGER WIRE
-  ELECTRIC CABLE ASSEMBLY IN TRENCH, 600V (XLP-TYPE TC) 3/C NO. 6
-  ELECTRIC CABLE ASSEMBLY IN TRENCH, 600V (XLP-TYPE TC) 2/C NO. 6 AND NO. 8
-  ELECTRIC CABLE ASSEMBLY IN TRENCH, 600V (XLP-TYPE TC) 2/C NO. 4 AND NO. 6
-  ELECTRIC CABLE ASSEMBLY IN CONDUIT, 600V (XLP-TYPE TC) 2/C NO. 6 AND NO. 8 IN CONDUIT ATTACHED TO STRUCTURE, 2" DIA., GALVANIZED STEEL
-  ELECTRIC CABLE ASSEMBLY IN CONDUIT, 600V (XLP-TYPE TC) 2/C NO. 4 AND NO. 6 IN CONDUIT ATTACHED TO STRUCTURE, 2" DIA., GALVANIZED STEEL
-  UNDERGROUND CONDUIT, COILABLE NONMETALLIC, 2 1/2" DIA., WITH ELECTRIC CABLE ASSEMBLY, AS SHOWN ON THE PLANS
-  JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 12" X 6" (JB)
-  LIGHTING CONTROLLER (TEMPORARY OR PERMANENT, AS NOTED)
-  SERVICE INSTALLATION (TEMPORARY OR PERMANENT, AS NOTED)
-  EXISTING LIGHTING UNIT (EXP*) TO BE REMOVED
-  EXISTING LIGHTING CONTROLLER TO BE REMOVED
-  EXISTING SERVICE INSTALLATION TO BE REMOVED
-  EXISTING UNIT DUCT
-  EXISTING CONDUIT AND UNIT DUCT

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