

SUGGESTED CONSTRUCTION STAGING FOR ROADWAY LIGHTING AND TEMPORARY POWER WORK

GENERAL STAGING NOTES:

1. THE SUGGESTED STAGING OF WORK FOR THE PROPOSED HIGH MAST LIGHTING SYSTEM DESCRIBED ON THIS SHEET IS BASED ON THE CONSTRUCTION STAGING FOR IDOT CONTRACT NUMBERS 76C49, 76C51, 76C52, 76C53, 76C55, 76C75 AND 76C76. THESE CONTRACTS WILL BE UNDER CONSTRUCTION CONCURRENTLY WITH THIS CONTRACT. ANY MODIFICATIONS MADE TO THE CONSTRUCTION STAGING IN ANY OF THE ABOVE CONTRACTS MAY AFFECT THE STAGING OF THIS CONTRACT. THE CONTRACTOR IS RESPONSIBLE FOR SCHEDULING AND COORDINATING ALL WORK IN THIS CONTRACT WITH THE LATEST UP TO DATE CONSTRUCTION STAGING FOR THE ABOVE CONTRACTS AT THE TIME THE WORK IS TO BE PERFORMED FOR THIS CONTRACT.
2. ADDITIONAL ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE SUMMARY OF QUANTITIES (SOQ) FOR THE INSTALLATION AND REMOVAL OF TEMPORARY WOOD POLES AND AERIAL CABLES FOR TEMPORARY POWER FEEDS TO HMLTS DESCRIBED ON THIS SHEET AND NOT SHOWN ON THE LIGHTING PLANS. THESE ESTIMATED QUANTITIES ARE BASED ON INSTALLING AND REMOVING 50-FOOT WOOD POLES AND 2-1/2" #2 AWC AERIAL CABLES WITH MESSENGER WIRE. TEMPORARY WOOD POLES SHALL BE INSTALLED APPROXIMATELY 150 FOOT APART (200 FOOT MAXIMUM SPACING). A TEMPORARY WOOD POLE WITH CONDUIT ATTACHED SHALL BE INSTALLED ADJACENT TO EACH HIGH MAST TOWER THAT REQUIRES A TEMPORARY POWER FEED AS SHOWN ON SHEET ME-02. ALL TEMPORARY WORK MUST BE APPROVED BY THE ENGINEER AND IDOT PRIOR TO THE START OF ANY WORK.
3. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY TEMPORARY LIGHTING POWER FEEDS AS REQUIRED TO MAINTAIN THE EXISTING LEVELS OF ILLUMINATION FOR ALL ROADWAYS FOR THE DURATION OF THIS CONTRACT AS DIRECTED BY THE ENGINEER AND IDOT. 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.

SUGGESTED WORK TO BE DONE DURING CONTRACT NO. 76C75-STAGE 1, PHASE 2

1. INSTALL THE PROTOTYPE HIGH MAST LIGHT TOWER (HMLT 25C1) IN THE IDOT BOWMAN AVENUE YARD AS SHOWN ON THE PLANS AND AS DESCRIBED IN THE SPECIAL PROVISIONS.
2. INSTALL THE ELECTRIC UTILITY SERVICE FEED AND PROPOSED IDOT LIGHTING CONTROLLER NO. 25 AS SHOWN ON THE PLANS AND ENERGIZE.
3. INSTALL A TEMPORARY AERIAL FEED FROM PROPOSED IDOT LIGHTING CONTROLLER NO. 25 TO PROPOSED HMLT 25C1 IN THE BOWMAN YARD (NOT SHOWN ON THE PLANS).
4. AFTER PROPOSED HMLT 25C1 INCLUDING THE TEMPORARY FEED HAS BEEN INSTALLED, ENERGIZED, TESTED AND ACCEPTED BY THE ENGINEER THE CONTRACTOR SHALL REMOVE EXISTING HMLT W-1.
5. INSTALL THE 4-INCH CONDUIT SLEEVES LOCATED UNDER RAMP 55S70W, AT APPROXIMATELY STA. 87+88 (SB I-55 BL).
6. INSTALL PROPOSED HMLTS 25A1 AND 25A2 INCLUDING ALL ASSOCIATED PERMANENT LIGHTING CABLES AND CONDUIT SLEEVES TO PROVIDE POWER TO THESE TOWERS AS SHOWN ON THE PLANS.
7. INSTALL THE PERMANENT LIGHTING CABLES FROM PROPOSED HMLT 25A2 TO THE PROPOSED CONVENTIONAL LIGHTING UNITS MOUNTED ON THE PARAPET WALL OF STRUCTURE NO. 082-035 (RAMP 55S70W) INCLUDING THE CONDUIT RISER UP THE PIER AND JUNCTION BOXES AS SHOWN ON THE PLANS.
8. INSTALL PROPOSED CONVENTIONAL LIGHTING UNITS 25A4, 25A6, 25A8, 25A10, 25A12 AND 25A14 MOUNTED ON THE PARAPET WALL OF STRUCTURE NO. 082-035 (RAMP 55S70W) INCLUDING ALL LIGHTING CABLES IN THE EXISTING CONDUIT EMBEDDED IN THE PARAPET WALL AS SHOWN ON THE PLANS.

SUGGESTED WORK TO BE DONE DURING CONTRACT NO. 76C76-STAGES 1 AND 2

1. INSTALL PROPOSED HMLTS 25A3, 25B1, 25B2, 25B3, 25B4 AND 25D1 INCLUDING ALL ASSOCIATED PERMANENT LIGHTING CABLES AND CONDUIT SLEEVES TO PROVIDE POWER TO THESE TOWERS AS SHOWN ON THE PLANS.
2. INSTALL THE PERMANENT FEED FROM PROPOSED HMLT 25B1 TO THE EXISTING SIGN TRUSS LOCATED ON RAMP 64W55S AT APPROXIMATE STA. 128+50 (RAMP 64W55S BL) AS SHOWN ON THE PLANS.
3. INSTALL PROPOSED HMLT 1C3 AND A TEMPORARY AERIAL FEED FROM EXISTING CONVENTIONAL LIGHTING UNIT NO. 3 (LOCATED ON EB I-64) TO PROPOSED HMLT 1C3. (THIS WORK IS NOT SHOWN ON THE PLANS).
4. LOCATE AND INTERCEPT THE EXISTING UNDERGROUND LIGHTING CIRCUIT BETWEEN EXISTING HMLTS H-1 AND SC-1 AT THE BASE OF EXISTING HMLT SC-1. EXTEND AND ROUTE THE EXISTING LIGHTING CIRCUIT TO PROPOSED HMLT 1C3 AND CONNECT THE EXISTING LIGHTING CIRCUIT TO THE TEMPORARY LIGHTING CIRCUIT FEEDING PROPOSED HMLT 1C3 TO PROVIDE A TEMPORARY FEED TO EXISTING HMLT H-1 (THIS WORK IS NOT SHOWN ON THE PLANS).
5. INSTALL THE PERMANENT LIGHTING CABLES FROM PROPOSED HMLT 25A3 TO THE PROPOSED CONVENTIONAL LIGHTING UNITS MOUNTED ON THE PARAPET WALL OF STRUCTURE NO. 082-0322 (RAMP 70E64E) INCLUDING THE CONDUIT RISER UP THE PIER AND THE JUNCTION BOXES AS SHOWN ON THE PLANS.

6. INSTALL PROPOSED CONVENTIONAL LIGHTING UNITS 25A5, 25A7, 25A9, 25A11 AND 25A13 MOUNTED ON THE PARAPET WALL OF STRUCTURE NO. 082-0322 (RAMP 70E64E) INCLUDING ALL LIGHTING CABLES IN THE EXISTING CONDUIT EMBEDDED IN THE PARAPET WALL AS SHOWN ON THE PLANS.
7. INSTALL PROPOSED GROUND MOUNTED CONVENTIONAL LIGHTING UNITS 25A15, 25A16, 25A17 AND 25A18 INCLUDING ALL PERMANENT LIGHTING CABLES, JUNCTION BOXES AND CONDUITS AS SHOWN ON THE PLANS.
8. INSTALL THE 12"x12"x6" JUNCTION BOX FOR THE PERMANENT 64W70W UNDERPASS LIGHTING FEED ON THE BRIDGE PIER AND THE PERMANENT LIGHTING CABLES FROM PROPOSED HMLT 25D1 TO SIGN TRUSS NO. E-5 AND THEN TO THE JUNCTION BOX AS SHOWN ON THE PLANS.
9. INSTALL THE 12"x12"x6" JUNCTION BOX FOR THE PERMANENT RAMP 55S64E UNDERPASS LIGHTING FEED ON THE BRIDGE PIER AND THE PERMANENT LIGHTING CABLES FROM PROPOSED HMLT 25D1 TO THE JUNCTION BOX AS SHOWN ON THE PLANS.
10. INSTALL THE 12"x12"x6" JUNCTION BOX FOR THE PERMANENT RAMP 70E55N UNDERPASS LIGHTING FEED ON THE BRIDGE PIER AND THE PERMANENT LIGHTING CABLES FROM PROPOSED HMLT 25B3 TO THE JUNCTION BOX AS SHOWN ON THE PLANS.
11. INSTALL THE 12"x12"x6" JUNCTION BOX FOR THE PERMANENT RAMP 70E64E UNDERPASS LIGHTING FEED ON THE BRIDGE PIER AND THE PERMANENT LIGHTING CABLES FROM PROPOSED HMLT 25B3 TO THE JUNCTION BOX AS SHOWN ON THE PLANS.
12. INSTALL THE 12"x12"x6" JUNCTION BOX FOR THE PERMANENT RAMP 70E64E UNDERPASS LIGHTING FEED ON THE BRIDGE PIER AND THE PERMANENT LIGHTING CABLES FROM PROPOSED HMLT 1C3 TO THE JUNCTION BOX AS SHOWN ON THE PLANS.
13. AFTER PROPOSED HMLTS 25A3, 25B1, 25B2, 25B3, 25B4, 25D1, AND 1C3 INCLUDING ALL TEMPORARY AND PERMANENT FEEDS HAVE BEEN INSTALLED, ENERGIZED, TESTED AND ACCEPTED BY THE ENGINEER THE CONTRACTOR SHALL REMOVE THE FOLLOWING:
 - A. EXISTING HMLTS E-1, K-1, SC-1, SC-2, W-2, AND W-3.
 - B. CONVENTIONAL LIGHTING UNIT K-2.
 - C. THE SIGN LIGHTING ELECTRICAL FEEDS TO EXISTING SIGN TRUSS NOS. 16, E-4 AND E-5.

SUGGESTED WORK TO BE DONE DURING CONTRACT NO. 76C51-STAGE 1

1. INSTALL TWO TEMPORARY AERIAL FEEDS OVER 9TH STREET; ONE AERIAL FEED ON THE WB I-64 SIDE FROM EXISTING CONVENTIONAL LIGHTING UNIT NO. 4 TO EXISTING CONVENTIONAL LIGHTING UNIT NO. 6 AND THE SECOND AERIAL FEED ON THE EB I-64 SIDE FROM EXISTING CONVENTIONAL LIGHTING UNIT NO. 3 TO EXISTING CONVENTIONAL LIGHTING UNIT NO. 5. THE TEMPORARY FEEDS MUST BE ROUTED UP THE SLOPE TOWARDS THE FRONTAGE ROADS SUCH THAT THE WOOD POLES AND AERIAL CABLES DO NOT INTERFERE WITH THE 9TH STREET BRIDGE CONSTRUCTION WORK. THE CONTRACTOR MUST COORDINATE THE LOCATION OF THESE TEMPORARY FEEDS WITH THE STAGES OF CONSTRUCTION FOR CONTRACT 76C51 AND MARK THE WOOD POLE LOCATIONS IN THE FIELD FOR APPROVAL BY THE ENGINEER PRIOR TO BEGINNING WORK (THIS WORK IS NOT SHOWN ON THE PLANS).

SUGGESTED WORK TO BE DONE PRIOR TO THE START OF CONTRACT NO. 76C52 (SUGGESTED START DATE, SUMMER OF 2011, COORDINATE WITH THE COMPLETION OF CONTRACT NO. 76C49)

1. INSTALL THE ELECTRIC UTILITY SERVICE FEED AND PROPOSED IDOT LIGHTING CONTROLLER NO. 1 AS SHOWN ON THE PLANS AND ENERGIZE.
2. INSTALL THE 4-INCH CONDUIT SLEEVES UNDER I-64 LOCATED AT APPROXIMATELY STATION 103+45 (WB I-64 BL).
3. INSTALL PROPOSED HMLTS 1A1, 1A2, 1A3, 1A4, 1B1, 1B2, 1B3, 1B4, 1C1 AND 1D1; CONVENTIONAL LIGHTING UNIT NOS. 1A5 AND 1A6 INCLUDING ALL ASSOCIATED PERMANENT LIGHTING CABLES AND CONDUIT SLEEVES TO PROVIDE POWER TO THESE TOWERS AND LIGHT POLES AS SHOWN ON THE PLANS.
4. INSTALL THE PERMANENT 15TH STREET UNDERPASS LIGHTING FEED FROM PROPOSED HMLT 1B2 TO THE EXISTING JUNCTION BOX MOUNTED ON THE BRIDGE STRUCTURE AS SHOWN ON THE PLANS.
5. INSTALL A TEMPORARY AERIAL FEED FROM PROPOSED HMLT 1C1 TO EXISTING CONVENTIONAL LIGHTING UNIT NO. 7 (LOCATED ON EB I-64) (THIS WORK IS NOT SHOWN ON THE PLANS).
6. INSTALL A TEMPORARY AERIAL FEED FROM HMLT 1D1 TO EXISTING CONVENTIONAL LIGHTING UNIT NO. 8 (LOCATED ON WB I-64) PROPOSED (THIS WORK IS NOT SHOWN ON THE PLANS).
7. AFTER PROPOSED HMLTS 1A1, 1A2, 1A3, 1A4, 1B1, 1B2, 1B3, 1B4, 1C1 AND 1D1; CONVENTIONAL LIGHTING UNIT NOS. 1A5 AND 1A6 AND ALL PERMANENT FEEDS HAVE BEEN INSTALLED, ENERGIZED, TESTED AND ACCEPTED BY THE ENGINEER, THE CONTRACTOR SHALL REMOVE THE FOLLOWING:
 - A. DE-ENERGIZE AND REMOVE EXISTING IDOT LIGHTING CONTROLLER NO. 1 AND THE EXISTING ELECTRIC UTILITY SERVICE FEED TO THE CONTROLLER.
 - B. EXISTING CONVENTIONAL LIGHTING UNIT NOS. 9, 10, 11, 12, 13, 14, 16, 21, 29, 31, 33, 37, 38, 39 AND 42 (LOCATED ALONG I-64).
 - C. THE TEMPORARY LIGHTING UNITS, WOOD POLES AND AERIAL CABLES LOCATED ALONG I-64 FROM APPROXIMATELY 12TH STREET TO 18TH STREET.

SUGGESTED WORK TO BE DONE DURING CONTRACT NO. 76C51-STAGE 2

1. INSTALL THE 12"x12"x6" JUNCTION BOX FOR THE PERMANENT ST. CLAIR AVE. UNDERPASS LIGHTING FEED ON THE BRIDGE ABUTMENT AND THE PERMANENT LIGHTING CABLES FROM PROPOSED HMLT 1C3 TO THE JUNCTION BOX AS SHOWN ON THE PLANS.
2. INSTALL PROPOSED GROUND MOUNTED CONVENTIONAL LIGHTING UNITS 25B5 AND 25B6 INCLUDING ALL PERMANENT LIGHTING CABLES AND CONDUIT SLEEVES TO PROVIDE POWER TO THESE LIGHT POLES FROM PROPOSED HMLT 25B4 AS SHOWN ON THE PLANS.
3. INSTALL PROPOSED HMLT 1C2 INCLUDING THE PERMANENT LIGHTING CABLES AND CONDUIT SLEEVE TO PROVIDE POWER TO THIS TOWER AS SHOWN ON THE PLANS.
4. INSTALL THE PERMANENT LIGHTING CABLES AND CONDUIT SLEEVE FROM PROPOSED HMLT 1C2 TO PROPOSED HMLT 1C3 AS SHOWN ON THE PLANS. REMOVE THE TEMPORARY AERIAL FEED FROM EXISTING CONVENTIONAL LIGHTING UNIT NO.3 TO PROPOSED HMLT 1C3.
5. REMOVE THE TEMPORARY AERIAL FEED FROM EXISTING CONVENTIONAL LIGHTING UNIT NO. 7 TO PROPOSED HMLT 1C1.
6. INSTALL THE 12"x12"x6" JUNCTION BOX FOR THE PERMANENT 9TH STREET UNDERPASS LIGHTING FEED ON THE BRIDGE ABUTMENT AND THE PERMANENT LIGHTING CABLES FROM PROPOSED HMLT 1C2 TO THE JUNCTION BOX AS SHOWN ON THE PLANS.
7. INSTALL PROPOSED HMLT 1D2 INCLUDING THE PERMANENT LIGHTING CABLES AND CONDUIT SLEEVE TO PROVIDE POWER TO THIS TOWER AS SHOWN ON THE PLANS. THE CONTRACTOR SHALL MAINTAIN POWER TO THE EXISTING WB I-55 CONVENTIONAL LIGHTING UNIT NOS. 6 AND 8 UNTIL PROPOSED HMLT 1D2 HAS BEEN INSTALLED, ENERGIZED, TESTED AND ACCEPTED BY THE ENGINEER.
8. DISCONNECT THE TEMPORARY AERIAL FEED FROM EXISTING CONVENTIONAL LIGHTING UNIT NO. 6 AND CONNECT THE AERIAL FEED TO PROPOSED HMLT 1D2 TO REFEED EXISTING CONVENTIONAL LIGHTING UNIT NOS. 2 AND 4 FROM THE NEW LIGHTING CIRCUIT AT PROPOSED HMLT 1D2.
9. THE TEMPORARY AERIAL FEED FROM PROPOSED HMLT 1D1 TO EXISTING CONVENTIONAL LIGHTING UNIT NO. 8 SHALL REMAIN IN SERVICE TO PROVIDE POWER TO THE SIGN LUMINAIRES ON EXISTING SIGN TRUSS NO. 4 UNTIL THE SIGN STRUCTURE IS REMOVED IN CONTRACT NO. 76C52.
10. REMOVE EXISTING CONVENTIONAL LIGHTING UNIT NOS. 1, 3, 5, 6 AND 7 AND THE SIGN LIGHTING ELECTRICAL FEEDS TO EXISTING SIGN TRUSS NOS. 3 AND ST-1.

SUGGESTED WORK TO BE DONE DURING CONTRACT NO. 76C53-STAGES 2 AND 3

1. INSTALL PROPOSED HMLTS 1D3, 25C2, 25C3, 25C4, 25D2, 25D3, 25D4 AND 25D5; CONVENTIONAL LIGHTING UNIT NOS. 25D6, 25D7 AND 25D8 INCLUDING ALL ASSOCIATED PERMANENT LIGHTING CABLES AND CONDUIT SLEEVES TO PROVIDE POWER TO THESE TOWERS AND POLES AS SHOWN ON THE PLANS.
2. INSTALL THE PERMANENT FEED FROM PROPOSED LIGHTING CONTROLLER NO. 25 TO PROPOSED HMLT 25C1 AS SHOWN ON THE PLANS AND REMOVE THE TEMPORARY AERIAL FEED.
3. INSTALL THE PERMANENT FEED TO THE RAMP 0 EXISTING CONVENTIONAL LIGHTING UNITS AS SHOWN ON THE PLANS.
4. INSTALL THE 12"x12"x6" JUNCTION BOX FOR THE PERMANENT RAMP 70E55N UNDERPASS LIGHTING FEED ON THE BRIDGE ABUTMENT AND THE PERMANENT LIGHTING CABLES FROM PROPOSED HMLT 1D3 TO THE JUNCTION BOX AS SHOWN ON THE PLANS.
5. DISCONNECT AND REMOVE THE EXISTING SIGN LUMINAIRES MOUNTED ON TWO EXISTING SIGN STRUCTURES LOCATED AT APPROXIMATELY STA. 49+30 (NB I-55 BL) AND STA. 60+92 (NB I-55 BL) AS SHOWN ON THE PLANS.
6. AFTER PROPOSED HMLTS 1D3, 25C2, 25C3, 25C4, 25D2, 25D3, 25D4 AND 25D5; CONVENTIONAL LIGHTING UNITS 25D6, 25D7 AND 25D8 INCLUDING ALL PERMANENT FEEDS HAVE BEEN INSTALLED, ENERGIZED, TESTED AND ACCEPTED BY THE ENGINEER THE CONTRACTOR SHALL REMOVE THE FOLLOWING:
 - A. EXISTING HMLTS B0-1, H-1, O-1, P-1 AND P-2.
 - B. THE SIGN LIGHTING ELECTRICAL FEEDS TO EXISTING SIGN TRUSS NOS. 2, 4 AND 11.
 - C. THE SIGN LIGHTING ELECTRICAL FEED TO THE EXISTING SIGN TRUSS LOCATED ALONG NB I-55 AT APPROXIMATELY STA. 90+75 (NB I-55 BL).
 - D. EXISTING CONVENTIONAL LIGHTING UNIT NOS. 2, 4 AND 8.
 - E. THE TEMPORARY AERIAL FEED FROM EXISTING CONVENTIONAL LIGHTING UNIT NO. 8 TO PROPOSED HMLT 1D1.
 - F. THE TEMPORARY AERIAL FEED FROM EXISTING CONVENTIONAL LIGHTING UNIT NO. 4 TO PROPOSED HMLT 1D2.
 - G. THE TEMPORARY AERIAL FEED FROM EXISTING HMLT H-1 TO PROPOSED HMLT 1C3.

FILE NAME =	USER NAME = lertzt	DESIGNED - WDS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY LIGHTING STAGING PLANS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILES#	PLOT SCALE = 1:80000 ' / IN.	DRAWN - TL	REVISED -			55/64	82-1L	ST. CLAIR	60	37	
	PLOT DATE = 1/3/2011	CHECKED - JPC	REVISED -			SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA. CONTRACT NO. 76C54					
		DATE - JANUARY 4, 2011	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					