| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS ** | SHEET NO. |
|---|---|---|---|---|
| 94 | (42-B-11-1) BR, BJR 24 | COOK | 761 | 1 |
| | ILLINOIS | CONTRACT NO. 62W87 | | |

* 761 + 31 = 792 TOTAL SHEETS
** 792 + 1 = 793 TOTAL SHEETS

1

D-91-201-24

FOR INDEX OF SHEETS, SEE SHEET NO. 3

THIS PROJECT IS LOCATED IN THE CITIES OF CHICAGO AND CALUMET AND THE VILLAGES OF BURNHAM, RIVERDALE, SOUTH HOLLAND AND DOLTON

TRAFFIC DATA
I–94
ADT(2023) = 166,900
POSTED SPEED LIMIT = 55 MPH
US 6 RAMP TO NB I–94
ADT(2022) = 6,300
POSTED SPEED LIMIT = 35 MPH
154TH STREET
ADT(2022) = 6,550
POSTED SPEED LIMIT = 35 MPH
US 6 (159TH ST)
ADT(2023) = 24,900
POSTED SPEED LIMIT = 35 MPH

FOR SEALS AND SIGNATURES, SEE SHEET NO. 2

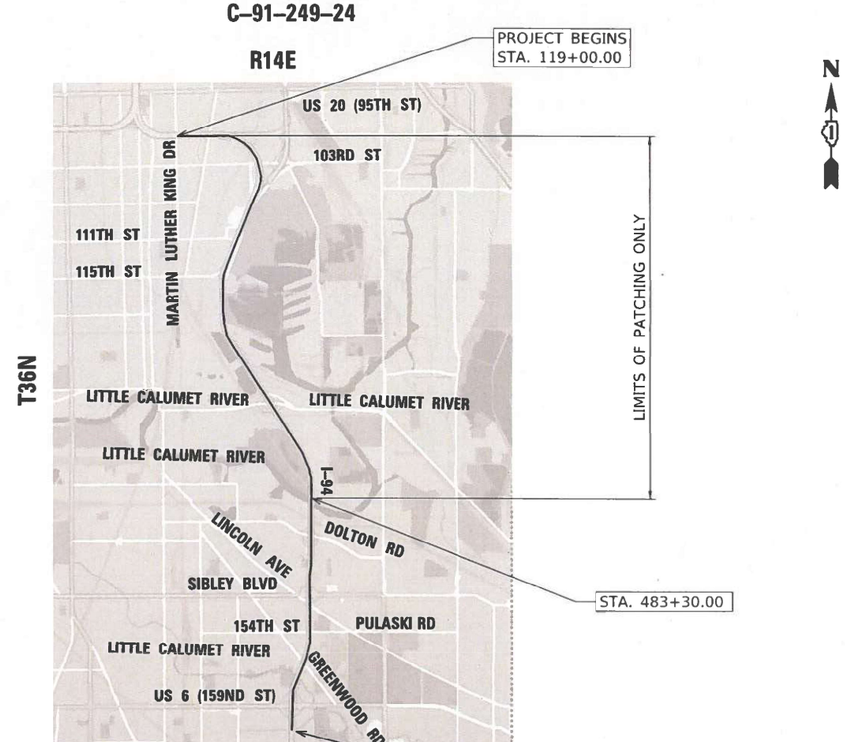
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

04-25-2025 LETTING ITEM 205

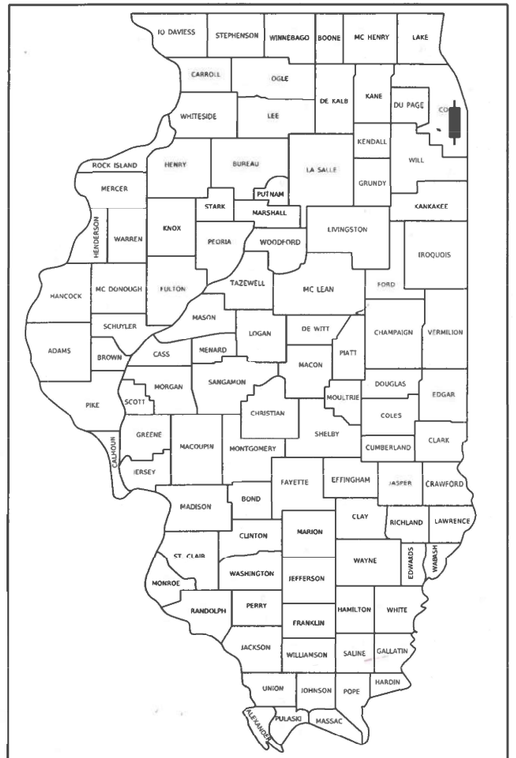
# PROPOSED HIGHWAY PLANS

## FAI ROUTE 94: I–94 (BISHOP FORD EXPRESSWAY) WEST OF MLK DRIVE TO US 6 (159TH ST) SECTION (42–B–11–1) BR, BJR 24 PROJECT NHPP–2B1H(072) STANDARD OVERLAY, BRIDGE DECK OVERLAY, BRIDGE REPAIR, BRIDGE SUPERSTRUCTURE REPLACEMENT, SIGN STRUCTURES, LIGHTING, PATCHING, AND ITS

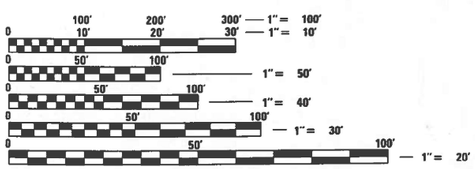
COOK COUNTY
C–91–249–24




GROSS AND LENGTH = 51,533 FT. = 9.76 MILE




LOCATION OF SECTION INDICATED THUS:–




FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS
1(800) 892–0123

(312) 744–7000 OR 811 CHICAGO

PROJECT ENGINEER LUKASZ POCIECHA, P.E. (847) 705–4255
PROJECT MANAGER VESELIN VELICHKOV, P.E. (847) 705–4432

CONTRACT NO. 62W87

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED Dec 12 2024
Jose Rios
REGIONAL ENGINEER

January 31 2025
ENGINEER OF DESIGN AND ENVIRONMENT

January 31 2025
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

1 REVISED SHEET 4/14/2025

REV-SEP

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## LIST OF HIGHWAY STANDARDS

| STANDARD NO. | DESCRIPTION |
|---|---|
| 000001-08 | STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS |
| 001006 | DECIMAL OF AN INCH AND OF A FOOT |
| 280001-07 | TEMPORARY EROSION CONTROL SYSTEMS |
| 420001-10 | PAVEMENT JOINTS |
| 420701-03 | PAVEMENT WELDED WIRE REINFORCEMENT |
| 442001-04 | CLASS A PATCHES |
| 442101-09 | CLASS B PATCHES |
| 442201-03 | CLASS C AND D PATCHES |
| 482001-02 | HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT |
| 515001-04 | NAME PLATE FOR BRIDGES |
| 601001-05 | PIPE UNDERDRAINS |
| 601101-02 | CONCRETE HEADWALL FOR PIPE UNDERDRAIN |
| 602016-02 | CATCH BASIN, TYPE D |
| 602301-04 | INLET - TYPE A |
| 604091-05 | FRAME AND GRATE TYPE 24 |
| 606001-08 | CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER |
| 606301-04 | PC CONCRETE ISLANDS AND MEDIANS |
| 630001-13 | STEEL PLATE BEAM GUARDRAIL |
| 630301-09 | SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS |
| 631011-10 | TRAFFIC BARRIER TERMINAL, TYPE 2 |
| 631026-06 | TRAFFIC BARRIER TERMINAL, TYPE 5 |
| 631031-18 | TRAFFIC BARRIER TERMINAL, TYPE 6 |
| 635001-02 | DELINEATORS |
| 637006-05 | CONCRETE BARRIER DOUBLE FACE, 44 IN. (1120 MM) HEIGHT |
| 642001-03 | SHOULDER RUMBLE STRIPS, 16 IN. |
| 664001-02 | CHAIN LINK FENCE |
| 701400-12 | APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY |
| 701401-13 | LANE CLOSURE, FREEWAY/EXPRESSWAY |
| 701402-12 | LANE CLOSURE, FREEWAY/EXPRESSWAY, WITH BARRIER |
| 701406-13 | LANE CLOSURE, FREEWAY/EXPRESSWAY, DAY OPERATIONS ONLY |
| 701411-09 | LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS > 45 MPH |
| 701426-09 | LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS > 45 MPH |
| 701427-05 | LANE CLOSURE, MULTILANE INTERMITTENT OR MOVING OPER., FOR SPEED < 40 MPH |
| 701428-01 | TRAFFIC CONTROL, SETUP AND REMOVAL, FREEWAY/EXPRESSWAY |
| 701446-11 | TWO LANE CLOSURE, FREEWAY/EXPRESSWAY |
| 701451-05 | RAMP CLOSURE FREEWAY/EXPRESSWAY |
| 701601-09 | URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN |
| 701606-10 | URBAN LANE CLOSURE, MULTILANE 2W WITH MOUNTABLE MEDIAN |
| 701611-01 | URBAN HALF ROAD CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN |
| 701801-06 | SIDEWALK, CORNER OR CROSSWALK CLOSURE |
| 701901-10 | TRAFFIC CONTROL DEVICES |
| 704001-08 | TEMPORARY CONCRETE BARRIER |
| 725001-01 | OBJECT AND TERMINAL MARKERS |
| 780001-05 | TYPICAL PAVEMENT MARKINGS |
| 781001-04 | TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS |
| 782006-01 | GUARDRAIL AND BARRIER BARRIER WALL REFLECTOR MOUNTING DETAILS |

## COMMITMENTS

THE RESIDENT ENGINEER WILL CONTACT THE FOREST PRESERVE OF COOK COUNTY (FPCC) PRIOR TO THE START OF CONSTRUCTION TO INFORM THEM OF THE INITIATION OF CONSTRUCTION NEAR THEIR PROPERTIES OF BEAUBIEN WOODS.

1 REVISED SHEET 4/14/2025

| | CODE NO. | ITEM | UNIT | TOTAL QUANTITY | CONSTRUCTION CODE | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 90% FED 10% STATE | 90% FED 10% STATE | 90% FED 10% STATE | 90% FED 10% STATE | 90% FED 10% STATE | 90% FED 10% STATE | 90% FED 10% STATE | 100% STATE | 100% STATE |
| | | | | | ROADWAY | ROADWAY | BRIDGE | BRIDGE | OHSS | ITS | LIGHTING | PATCHING | DRAINAGE |
| | | | | | URBAN | URBAN | URBAN | URBAN | URBAN | URBAN | URBAN | URBAN | URBAN |
| | | | | | 0005 | 0004 | 0059 | 0013 | 0044 | 0043 | 0021 | 0006 | 0043 |
| | 78300202 | PAVEMENT MARKING REMOVAL - WATER BLASTING | SQ FT | 767628 | 767628 | | | | | | | | |
| * | 81028200 | UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA. | FOOT | 2436 | | | | | | 2436 | | | |
| * | 81028240 | UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA. | FOOT | 1347 | | | | | | 1347 | | | |
| * | 81028350 | UNDERGROUND CONDUIT, PVC, 2" DIA. | FOOT | 24 | | | | | | | 24 | | |
| * | 81028750 | UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA. | FOOT | 1370 | | | | | | 1370 | | | |
| * | 81100320 | CONDUIT ATTACHED TO STRUCTURE, 1" DIA., PVC COATED GALVANIZED STEEL | FOOT | 2381 | 1 | | | | | | 2381 | 1 | |
| * | 81101005 | CONDUIT ATTACHED TO STRUCTURE, 4" DIA., PVC COATED GALVANIZED STEEL | FOOT | 762 | | | | | | 762 | | | |
| * | 81300220 | JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 6" X 6" X 4" | EACH | 22 | | | | | | | 22 | | |
| * | 81300310 | JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 8" X 6" X 4" | EACH | 11 | | | | | | | 11 | | |
| * | 81300420 | JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 10" X 8" X 6" | EACH | 9 | | | | | | | 9 | | |
| * | 81300830 | JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 18" X 18" X 8" | EACH | 4 | | | | | | | 4 | | |
| * | 81300945 | JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 24" X 24" X 8" | EACH | 8 | | | | | | 8 | | | |
| * | 81400200 | HEAVY-DUTY HANDHOLE | EACH | 11 | | | | | | 11 | | | |
| * | 81603081 | UNIT DUCT, 600V, 3-1C NO.2, 1/C NO.4 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE | FOOT | 310 | | | | | | | 310 | | |
| * | 81702110 | ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10 | FOOT | 6541 | 1 | | | | | | 6541 | 1 | |
| * | 81702120 | ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8 | FOOT | 3792 | | | | | | 3792 | | | |
| * | 81702130 | ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6 | FOOT | 6258 | | | | | | 6258 | | | |
| * | 81702140 | ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4 | FOOT | 276 | | | | | | 276 | | | |
| * | 81702150 | ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2 | FOOT | 92 | | | | | | 92 | | | |

* SPECIALTY ITEM

1 REVISED SHEET 4/14/2025

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HBM ENGINEERING GROUP, LLC

| | | | |
|---|---|---|---|
| USER NAME = hbmepw11ics01$ | DESIGNED - AMI | REVISED - | |
| | DRAWN - AMI | REVISED - | |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - RTB | REVISED - | |
| PLOT DATE = 3/20/2025 | DATE - 12/9/2024 | REVISED - | |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
I-94 (BISHOP FORD EXPY)

SCALE: | SHEET 12 OF 20 SHEETS | STA. TO STA.

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 94 | (42-B-11-1) BR, BJR 24 | COOK | 761 | 16 |
| | | CONTRACT NO. 62W87 | | |
| | | ILLINOIS FED. AID PROJECT | | |

| | CODE NO. | ITEM | UNIT | TOTAL QUANTITY | CONSTRUCTION CODE | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 90% FED 10% STATE | 90% FED 10% STATE | 90% FED 10% STATE | 90% FED 10% STATE | 90% FED 10% STATE | 90% FED 10% STATE | 90% FED 10% STATE | 100% STATE | 100% STATE |
| | | | | | ROADWAY | ROADWAY | BRIDGE | BRIDGE | OHSS | ITS | LIGHTING | PATCHING | DRAINAGE |
| | | | | | URBAN | URBAN | URBAN | URBAN | URBAN | URBAN | URBAN | URBAN | URBAN |
| | | | | | 0005 | 0004 | 0059 | 0013 | 0044 | 0043 | 0021 | 0006 | 0043 |
| * | 81702450 | ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 10 | FOOT | 885 | | | | | | | 885 | 1 | |
| * | 81800330 | AERIAL CABLE, 3-1/C NO. 6 WITH MESSENGER WIRE | FOOT | 100 | | | | | | | 100 | | |
| * | 82110022 | LUMINAIRE, LED, UNDERPASS, WALLMOUNT, OUTPUT DESIGNATION E | EACH | 8 | | | | | | | 8 | | |
| * | 82110026 | LUMINAIRE, LED, UNDERPASS, SUSPENDED, OUTPUT DESIGNATION D | EACH | 16 | | | | | | | 16 | | |
| * | 82200606 | WATERWAY OBSTRUCTION WARNING LUMINAIRE, LED, 180 DEGREE RED, PARAPET MOUNTED | EACH | 6 | | | | | | | 6 | | |
| * | 82200609 | WATERWAY OBSTRUCTION WARNING LUMINAIRE, LED, 360 DEGREE GREEN | EACH | 2 | | | | | | | 2 | | |
| * | 82600106 | OBSTRUCTION WARNINGLIGHTINGCONTROLLER | EACH | 1 | | | | | | | 1 | | |
| * | 83600200 | LIGHT POLE FOUNDATION, 24" DIAMETER | FOOT | 12 | | | | | | | 12 | | |
| * | 83600352 | LIGHT POLE FOUNDATION, METAL, 11 1/2" BOLT CIRCLE, 8 5/8" X 6' | EACH | 24 | | | | | | 24 | | | |
| * | 83800105 | BREAKAWAY DEVICE, TRANSFORMER BASE, 11.5 INCH BOLT CIRCLE | EACH | 2 | | | | | | | 2 | | |
| * | 84200804 | REMOVAL OF POLE FOUNDATION | EACH | 2 | | | | | | | 2 | | |
| * | 84400105 | RELOCATE EXISTING LIGHTING UNIT | EACH | 2 | | | | | | | 2 | | |
| * | 86300300 | CONTROLLER CABINET TYPE III | EACH | 7 | | | | | | 7 | | | |
| * | 87300901 | ELECTRIC CABLE IN CONDUIT, TRACER, NO. 12 1C | FOOT | 3797 | | | | | | 3797 | | | |
| * | 87800200 | CONCRETE FOUNDATION, TYPE D | FOOT | 2 | | | | | | 2 | | | |
| * | 87900100 | DRILL EXISTING FOUNDATION | EACH | 4 | | | | | | 4 | | | |
| * | 87900205 | DRILL EXISTING HEAVY DUTY HANDHOLE | EACH | 11 | | | | | | 11 | | | |
| * | 89500510 | CABINET HOUSING EQUIPMENT REMOVAL | EACH | 1 | | | | | | 1 | | | |
| * | 89502300 | REMOVE ELECTRIC CABLE FROM CONDUIT | FOOT | 37028 | | | | | | 32773 | 4255 | | |

* SPECIALTY ITEM

1 REVISED SHEET 4/14/2025

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HBM ENGINEERING GROUP, LLC

| | | | |
|---|---|---|---|
| USER NAME = hbmepw11ics01$ | DESIGNED - AMI | REVISED - | |
| | DRAWN - AMI | REVISED - | |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - RTB | REVISED - | |
| PLOT DATE = 3/19/2025 | DATE - 12/9/2024 | REVISED - | |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**
**I-94 (BISHOP FORD EXPY)**

SCALE: | SHEET 13 OF 20 SHEETS | STA. TO STA.

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 94 | (42-B-11-1) BR, BJR 24 | COOK | 761 | 17 |

CONTRACT NO. 62W87

ILLINOIS | FED. AID PROJECT

| | CODE NO. | ITEM | UNIT | TOTAL QUANTITY | CONSTRUCTION CODE | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 90% FED 10% STATE | 90% FED 10% STATE | 90% FED 10% STATE | 90% FED 10% STATE | 90% FED 10% STATE | 90% FED 10% STATE | 90% FED 10% STATE | 100% STATE | 100% STATE |
| | | | | | ROADWAY | ROADWAY | BRIDGE | BRIDGE | OHSS | ITS | LIGHTING | PATCHING | DRAINAGE |
| | | | | | URBAN | URBAN | URBAN | URBAN | URBAN | URBAN | URBAN | URBAN | URBAN |
| | | | | | 0005 | 0004 | 0059 | 0013 | 0044 | 0043 | 0021 | 0006 | 0043 |
| | X6420100 | SHOULDER RUMBLE STRIP REMOVAL | SQ YD | 21120 | 21120 | | | | | | | | |
| | X6640304 | CHAIN LINK FENCE TO BE REMOVED AND RE-ERECTED | FOOT | 400 | 400 | | | | | | | | |
| | X7010118 | TEMPORARY RUMBLE STRIPS (SPECIAL) | EACH | 120 | 120 | | | | | | | | |
| | X7010216 | TRAFFIC CONTROL AND PROTECTION, (SPECIAL) | L SUM | 1 | 1 | | | | | | | | |
| | X7011015 | TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS) | L SUM | 1 | 1 | | | | | | | | |
| | X7013820 | TRAFFIC CONTROL SURVEILLANCE, EXPRESSWAYS | CAL DA | 992 | 992 | | | | | | | | |
| | X7040650 | REMOVE TEMPORARY CONCRETE BARRIER | FOOT | 438 | 438 | | | | | | | | |
| | X7200061 | TEMPORARY INFORMATION SIGNING | SQ FT | 582 | 582 | | | | | | | | |
| | X7200203 | DETOUR SIGNING | L SUM | 1 | 1 | | | | | | | | |
| | X7830050 | RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REMOVAL | EACH | 17760 | 17760 | | | | | | | | |
| * | X7830052 | RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REPLACEMENT | EACH | 17760 | 17760 | | | | | | | | |
| * | X8000003 | MAINTENANCE OF LIGHTING SYSTEM | CAL MO | 12 | | | | | | | 12 | | |
| * | X8050204 | REMOVE ELECTRIC SERVICE | EACH | 3 | | | | | | 3 | | | |
| * | X8100863 | INTERCEPT EXISTING CONDUIT | EACH | 9 | | | | | | 9 | | | |
| * | X8101095 | UNDERGROUND CONDUIT, MULTI-DUCT, 4-18MM MICRODUCTS | FOOT | 27606 | | | | | | 27606 | | | |
| * | X8130112 | JUNCTION BOX TYPE J | EACH | 1 | | | | | | 1 | | | |
| * | X8130125 | REMOVE EXISTING JUNCTION BOX | EACH | 46 | | | | | | | 46 | | |
| * | X8210003 | LUMINAIRE, LED, ROADWAY, REPLACEMENT, OUTPUT DESIGNATION G | EACH | 129 | | | | | | | 129 | 1 | |
| | X8210007 | LUMINAIRE, LED, ROADWAY, REPLACEMENT, OUTPUT DESIGNATION H | EACH | 112 | | | | | | | 112 | | |
| * | X8211002 | PROTECT AND MAINTAIN EXISTING UNDERPASS LUMINAIRE | L SUM | 1 | | | | | | | 1 | | |

* SPECIALTY ITEM

1 REVISED SHEET 4/14/2025

| CODE NO. | ITEM | UNIT | TOTAL QUANTITY | STRUCTURE NUMBER | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 016-0159 (WB) | 016-0158 (EB) | 016-0160 (WB) | 016-0160 (EB) | 016-0161 (WB) | 016-0161 (EB) | 016-0914 | 016-0162 | 016-0163 | 016-0388 |
| 20700220 | POROUS GRANULAR EMBANKMENT | CU YD | 226 | | | 1 | 1 | 10 | 1 | 2 | 211 | | |
| 50101500 | REMOVAL OF EXISTING SUPERSTRUCTURES | EACH | 1 | | | | | | | | | | 1 |
| 50102400 | CONCRETE REMOVAL | CU YD | 307.9 | 52 | 52 | 33.2 | 32.6 | 18.2 | 18.2 | 17 | 32 | 32 | 20.7 |
| 50104650 | SLOPE WALL REMOVAL | SQ YD | 193 | | | | | 29 | 2 | 3 | 159 | | |
| 50157300 | PROTECTIVE SHIELD | SQ YD | 14867 | 2859 | 2594 | 1921 | 1921 | 529 | 529 | 758 | 1114 | 1354 | 1288 |
| 50300225 | CONCRETE STRUCTURES | CU YD | 146.6 | | | | | | | 1 | 9 | 9 | 127.6 |
| 50300255 | CONCRETE SUPERSTRUCTURE | CU YD | 1234.4 | 50 | 58 | 37.3 | 36.9 | 18.2 | 18.2 | 17.2 | 23 | 23 | 952.6 |
| 50300260 | BRIDGE DECK GROOVING | SQ YD | 2368 | | | | | | | | | | 2368 |
| 50300300 | PROTECTIVE COAT | SQ YD | 26411 | 5532 | 5532 | 3099 | 3120 | 203 | 203 | 1443 | 10 | 4085 | 3184 |
| 50301350 | CONCRETE SUPERSTRUCTURE (APPROACH SLAB) | CU YD | 253.8 | | | | | | | | | | 253.8 |
| 50500105 | FURNISHING AND ERECTING STRUCTURAL STEEL | L SUM | 1 | | | | | | | | | | 1 |
| 50500405 | FURNISHING AND ERECTING STRUCTURAL STEEL | POUND | 25250 | 9300 | 10120 | | | | | 5830 | | | |
| 50500505 | STUD SHEAR CONNECTORS | EACH | 14574 | | | | | | | | | | 14574 |
| 50606701 | CLEANING AND PAINTING STRUCTURAL STEEL, LOCATION 1 | L SUM | 1 | | 1 | | | | | | | | |
| 50606702 | CLEANING AND PAINTING STRUCTURAL STEEL, LOCATION 2 | L SUM | 1 | 1 | | | | | | | | | |
| 50800205 | REINFORCEMENT BARS, EPOXY COATED | POUND | 441010 | 9560 | 9560 | 5020 | 5050 | 3150 | 3150 | 2630 | 5950 | 5590 | 391350 |
| 50800515 | BAR SPLICERS | EACH | 1592 | 114 | 114 | 48 | 48 | 32 | 32 | 26 | 64 | 64 | 1050 |
| 50901730 | BRIDGE FENCE RAILING | FOOT | 524 | | | | | | | | | | 524 |
| 51100100 | SLOPE WALL 4 INCH | SQ YD | 193 | | | | | 29 | 2 | 3 | 159 | | |
| 51500100 | NAME PLATES | EACH | 2 | | | | | | | | | | 2 |
| 52000030 | PREFORMED JOINT SEAL 2 1/2" | FOOT | 581 | | | | 414 | 167 | | | | | |
| 52000110 | PREFORMED JOINT STRIP SEAL | FOOT | 2146 | 330 | 330 | 210 | 210 | 120 | 124 | 124 | 267 | 247 | 184 |
| 52000600 | FABRIC REINFORCED ELASTOMERIC TROUGH | FOOT | 112 | 56 | 56 | | | | | | | | |
| 52100010 | ELASTOMERIC BEARING ASSEMBLY, TYPE I | EACH | 56 | | | | | | | | | | 56 |
| 52100020 | ELASTOMERIC BEARING ASSEMBLY, TYPE II | EACH | 20 | | | | | | | 20 | | | |
| 52100520 | ANCHOR BOLTS, 1" | EACH | 193 | | | | | | 1 | 80 | | | 112 |
| 52100530 | ANCHOR BOLTS, 1 1/4" | EACH | 28 | | | | | | | | | | 28 |
| 58700300 | CONCRETE SEALER | SQ FT | 19939 | 4378 | 3636 | 4189 | 4241 | 942 | 928 | | | | 1625 |
| 59000200 | EPOXY CRACK INJECTION | FOOT | 787 | | | 16 | 36 | 44 | 30 | 259 | 217 | 38 | 147 |
| 59200101 | BRIDGE WASHING NO. 1 | EACH | 1 | | 1 | | | | | | | | |
| 59200102 | BRIDGE WASHING NO. 2 | EACH | 1 | 1 | | | | | | | | | |
| 66400205 | CHAIN LINK FENCE, 5' | FOOT | 5 | | | 5 | | | | | | | |
| X0322559 | BOLT REPLACEMENT | EACH | 2 | | | | 2 | | | | | | |
| X0323491 | SLOPE WALL CRACK SEALING | FOOT | 427 | | | 84 | 50 | 139 | 154 | | | | |
| X5030250 | BRIDGE DECK GROOVING (LONGITUDINAL) | SQ YD | 13750 | 3172 | 3172 | 2217 | 2217 | | | | | 2972 | |

1 REVISED SHEET 4/14/2025

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HBM ENGINEERING GROUP, LLC

| | | | |
|---|---|---|---|
| USER NAME = hbmepw11ics01$ | DESIGNED - KJD | REVISED - | |
| | DRAWN - KJD | REVISED - | |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - LAB | REVISED - | |
| PLOT DATE = 3/11/2025 | DATE - 12/9/2024 | REVISED - | |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE STRUCTURES SCHEDULE OF QUANTITIES
I-94 (BISHOP FORD EXPY)

SCALE: | SHEET 1 OF 2 SHEETS | STA. TO STA.

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 94 | (42-B-11-1) BR, BJR 24 | COOK | 761 | 24 |
| | | CONTRACT NO. 62W87 | | |
| | | ILLINOIS FED. AID PROJECT | | |

| CODE NO. | ITEM | UNIT | TOTAL QUANTITY | STRUCTURE NUMBER | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 016-0159 (WB) | 016-0158 (EB) | 016-0160 (WB) | 016-0160 (EB) | 016-0161 (WB) | 016-0161 (EB) | 016-0914 | 016-0162 | 016-0163 | 016-0388 |
| X5060601 | CONTAINMENT AND DISPOSAL OF NON-LEAD PAINT CLEANING RESIDUES NO. 1 | L SUM | 1 | | 1 | | | | | | | | |
| X5060602 | CONTAINMENT AND DISPOSAL OF NON-LEAD PAINT CLEANING RESIDUES NO. 2 | L SUM | 1 | 1 | | | | | | | | | |
| X5080530 | BAR TERMINATORS | EACH | 156 | | | | | | | | | | 156 |
| X5230140 | BRIDGE DRAINAGE SYSTEM | EACH | 1 | | | | | | | | | 1 | |
| X5230162 | DECK DRAIN EXTENSIONS | EACH | 88 | 28 | 28 | 16 | 16 | | | | | | |
| X6050184 | PLUG EXISTING FLOOR DRAINS | EACH | 8 | | | | | | | | | 8 | |
| Z0001700 | APPROACH SLAB REPAIR (FULL DEPTH) | SQ YD | 8 | | | | | | | | 7 | 1 | |
| Z0001800 | APPROACH SLAB REPAIR (PARTIAL DEPTH) | SQ YD | 53 | | | | | | | | | 53 | |
| 1 Z0001899 | JACK AND REMOVE EXISTING BEARINGS | EACH | 20 | | | | | | | 20 | | | |
| X5051204 | STRUCTURAL STEEL REMOVAL | POUND | 5710 | 280 | | | | | | 5430 | | | |
| X5051206 | STRUCTURAL STEEL REPAIR | POUND | 13560 | 410 | | | | | 190 | 10650 | 2010 | 300 | |
| Z0003600 | BEAM STRAIGHTENING | L SUM | 1 | | | | | 0.33 | 0.33 | 0.34 | | | |
| Z0004552 | APPROACH SLAB REMOVAL | SQ YD | 409 | | | | | | | | | | 409 |
| Z0006016 | BRIDGE DECK LATEX CONCRETE OVERLAY, 2 3/4 INCHES | SQ YD | 3333 | | | | | | | | | 3333 | |
| Z0006018 | BRIDGE DECK LATEX CONCRETE OVERLAY, 3 INCHES | SQ YD | 14177 | 4471 | 4472 | 2617 | 2617 | | | | | | |
| 1 Z0010400 | CLEANING BRIDGE SEATS | SQ FT | 2912 | | | | | | | | 1566 | 1346 | |
| X5230152 | CLEANING DRAINAGE SYSTEM | L SUM | 1 | 0.33 | 0.33 | | | | | 0.34 | | | |
| Z0010615 | CLEANING EXISTING INLETS | EACH | 40 | | | | | | | | | 40 | |
| Z0012102 | CONCRETE BRIDGE DECK SCARIFICATION 3/8 INCH | SQ YD | 7374 | | | | | 1042 | 1042 | 1430 | 3860 | | |
| Z0012130 | BRIDGE DECK SCARIFICATION 3/4" | SQ YD | 14177 | 4471 | 4472 | 2617 | 2617 | | | | | | |
| Z0012144 | BRIDGE DECK SCARIFICATION 2 1/2" | SQ YD | 3333 | | | | | | | | | 3333 | |
| Z0012193 | BRIDGE DECK THIN POLYMER OVERLAY 3/8" | SQ YD | 7374 | | | | | 1042 | 1042 | 1430 | 3860 | | |
| Z0012754 | STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES) | SQ FT | 3410 | 140 | 847 | 160 | 268 | 79 | 93 | 679 | 872 | 65 | 207 |
| Z0012755 | STRUCTURAL REPAIR OF CONCRETE (DEPTH GREATER THAN 5 INCHES) | SQ FT | 77 | | | 19 | 3 | 9 | | 46 | | | |
| Z0016001 | DECK SLAB REPAIR (FULL DEPTH, TYPE I) | SQ YD | 67.1 | 0.5 | 0.5 | | 0.1 | | | 1 | 6 | 59 | |
| Z0016002 | DECK SLAB REPAIR (FULL DEPTH, TYPE II) | SQ YD | 265 | 12 | | | | | | | 158 | 95 | |
| 1 Z0016200 | DECK SLAB REPAIR (PARTIAL) | SQ YD | 305 | | | | | | 46 | 4 | 255 | | |
| X5230176 | DRAINAGE SCUPPERS, DS-12 | EACH | 8 | | | | | | | | | | 8 |
| X5230172 | DRAINAGE SCUPPERS TO BE ADJUSTED | EACH | 60 | 28 | 28 | 2 | 2 | | | | | | |
| Z0021400 | EXPANSION JOINT (SPECIAL) | FOOT | 584 | | | | | | | | 313 | 271 | |
| Z0029090 | DIAMOND GRINDING (BRIDGE SECTION) | SQ YD | 16850 | 4262 | 4263 | 2511 | 2511 | | | | | 3303 | |
| Z0073200 | TEMPORARY SHORING AND CRIBBING | EACH | 33 | 2 | 4 | 2 | 2 | | | 23 | | | |

1 REVISED SHEET 4/14/2025

MODEL: Default
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HBM ENGINEERING GROUP, LLC

| USER NAME = hbmepw11ics01$ | DESIGNED - KJD | REVISED - |
|---|---|---|
| | DRAWN - KJD | REVISED - |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - LAB | REVISED - |
| PLOT DATE = 3/11/2025 | DATE - 12/9/2024 | REVISED - |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**BRIDGE STRUCTURES SCHEDULE OF QUANTITIES**
**I-94 (BISHOP FORD EXPY)**

SCALE: | SHEET 2 OF 2 SHEETS | STA. TO STA.

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 94 | (42-B-11-1) BR, BJR 24 | COOK | 761 | 25 |

CONTRACT NO. 62W87

ILLINOIS FED. AID PROJECT

## LIGHTING AND ELECTRICAL LEGEND

| SYMBOL | DESCRIPTION |
|---|---|
| N R | PROPOSED RED NAVIGATIONAL LIGHT, LED, 180° |
| N G | PROPOSED GREEN NAVIGATIONAL LIGHT, LED, 360° |
| R | EXISTING NAVIGATIONAL LIGHTING TO BE REMOVED |
| | RELOCATE LIGHT POLE UNIT ON PROPOSED CONCRETE FOUNDATION, LUMINAIRE, LED, ROADWAY, REPLACEMENT, OUTPUT DESIGNATION G (1) |
| E | EXISTING ROADWAY LIGHTING UNIT WITH LED LUMINAIRE TO REMAIN |
| R | EXISTING ROADWAY LIGHTING POLE TO REMAIN, REPLACE HPS LUMINAIRE WITH LUMINAIRE, LED, ROADWAY, REPLACEMENT, OUTPUT DESIGNATION G (1) |
| H R | EXISTING ROADWAY LIGHTING POLE TO REMAIN, REPLACE HPS LUMINAIRE WITH LUMINAIRE, LED, ROADWAY, REPLACEMENT, OUTPUT DESIGNATION H (1) |
| H R R H | EXISTING ROADWAY TWIN LIGHTING POLE TO REMAIN, REPLACE HPS LUMINAIRES WITH LUMINAIRE, LED, ROADWAY, REPLACEMENT, OUTPUT DESIGNATION H |
| S | PROPOSED LED SUSPENDED UNDERPASS LUMINAIRE, LED, SUSPENDED, OUTPUT DESIGNATION D, 240 V |
| | PROPOSED LED UNDERPASS LUMINAIRE, LED, PIER MOUNTED, OUTPUT DESIGNATION E, 240 V |
| R | EXISTING UNDERPASS LUMINAIRE TO BE REMOVED |
| E | EXISTING UNDERPASS LUMINAIRE TO REMAIN |
| | PROPOSED CABLE AND CONDUIT, TYPE AND SIZE AS SPECIFIED |
| | EXISTING UNIT DUCT TO REMAIN |
| A | EXISTING AERIAL CABLE TO REMAIN |
| | EXISTING CABLE AND CONDUIT TO BE REMOVED |
| | PROPOSED OBSTRUCTION WARNING CONTROLLER |
| R | EXISTING CONTROLLER CABINET TO BE REMOVED |
| | EXISTING LIGHTING CONTROLLER TO REMAIN |
| | EXISTING ELECTRIC SERVICE LOCATION |
| J | PROPOSED JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, SIZE AS SPECIFIED |
| J R | EXISTING JUNCTION BOX TO BE REMOVED |
| J E | EXISTING JUNCTION BOX TO REMAIN |

## IDOT DISTRICT 1 STANDARD DETAIL

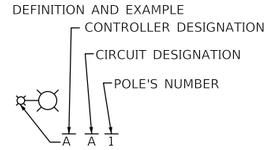
| | |
|---|---|
| BE-300 | LIGHTPOLE FOUNDATION 30' TO 35' M.H. 11 1/2" BOLT CIRCLE |
| BE-702 | MISC. ELECTRICAL DETAILS, SHEET A |
| BE-703 | MISC. ELECTRICAL DETAILS, SHEET B |
| BE-901 | SUSPENDED MOUNT LED UNDERPASS LUMINAIRE INSTALLATION DETAILS |
| BE-903 | PIER / ABUTMENT MOUNTED LED UNDERPASS, LUMINAIRE INSTALLATION DETAILS |

## ABBREVIATIONS

| ABBREVIATION | DESCRIPTION |
|---|---|
| AC | ALTERNATING CURRENT |
| A/C | AERIAL CABLE |
| B.O.C. | BACK OF CURB |
| CB | CIRCUIT BREAKER |
| CKT | CIRCUIT |
| CM | CENTIMETER |
| COMED | COMMONWEALTH EDISON COMPANY |
| CP | CONTROL PANEL |
| CT | CURRENT TRANSFORMER |
| DA | DAVIT ARM |
| DC | DIRECT CURRENT |
| DIA | DIAMETER |
| DP | DISTRIBUTION PANEL |
| E | EXISTING UNIT TO REMAIN |
| EX. | EXISTING |
| ECA | ELECTRIC CABLE ASSEMBLY |
| E.O.P. | EDGE OF PAVEMENT |
| F.O.C. | FACE OF CURB |
| FT | FEET OR FOOT |
| FU | FUSE |
| GND | GROUND |
| HID | HIGH INTENSITY DISCHARGE |
| HPS | HIGH PRESSURE SODIUM |
| JB | JUNCTION BOX |
| KVA | KILOVOLT-AMPERE |
| KW | KILOWATTS |
| LED | LIGHT EMITTING DIODE |
| LP | LIGHT POLE |
| LTFM | LIQUID TIGHT FLEXIBLE METALLIC |
| LPS | LOW PRESSURE SODIUM |
| M | METER |
| MA | MAST ARM |
| MC | MULTI-CONDUCTOR |
| MM | MILLIMETER |
| M.H. | MOUNTING HEIGHT |
| MW | MESSENGER WIRE |
| NO. # | NUMBER |
| N.T.S. | NOT TO SCALE |
| P | PROPOSED |
| PB | PUSH BUTTON |
| PNL | PANEL |
| PVC | POLYVINYL CHLORIDE |
| PVCC RGC | PVC COATED RIGID GALVANIZED CONDUIT |
| PT | POTENTIAL TRANSFORMER |
| R | EXISTING UNIT TO BE REMOVED (OWNER SALVAGED U.N.O.) |
| RR | EXISTING UNIT TO BE REMOVED AND REINSTALLED |
| RECP | RECEPTACLE |
| RGC | RIGID GALVANIZED CONDUIT |
| SEL SW | SELECTOR SWITCH |
| SPARE | SPARE |
| SPACE | SPACE |
| SS | STAINLESS STEEL |
| STA | STATION |
| XFMR | TRANSFORMER |
| UD | UNIT DUCT |
| U.N.O. | UNLESS NOTED OTHERWISE |
| UGC, GS | UNDERGROUND CONDUCT, GALVANIZED STEEL |
| V | VOLTS |
| W | WATTS |
| WP | WOOD POLE |

## CALL–OUT SAMPLE

DEFINITION AND EXAMPLE




PROPOSED/EXISTING LIGHTING UNIT

## BILL OF MATERIALS

| SP | ITEM DESCRIPTION | UNIT | QUANTITY |
|---|---|---|---|
| | UNDERGROUND CONDUIT, PVC, 2" DIA. | FOOT | 24 |
| | CONDUIT ATTACHED TO STRUCTURE, 1" DIA., PVC COATED GALVANIZED STEEL | FOOT | 2381 (1) |
| | JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 6" X 6" X 4" | EACH | 22 |
| | JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 8" X 6" X 4" | EACH | 11 |
| | JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 10" X 8" X 6" | EACH | 9 |
| | JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 18" X 18" X 8" | EACH | 4 |
| | UNIT DUCT, 600V, 3-1C NO.2, 1/C NO.4 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE | FOOT | 310 |
| | ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10 | FOOT | 6541 |
| | ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 10 | FOOT | 885 (1) |
| | AERIAL CABLE, 3-1/C NO. 6 WITH MESSENGER WIRE | FOOT | 100 |
| | LUMINAIRE, LED, UNDERPASS, WALLMOUNT, OUTPUT DESIGNATION E | EACH | 8 |
| | LUMINAIRE, LED, UNDERPASS, SUSPENDED, OUTPUT DESIGNATION D | EACH | 16 |
| * | WATERWAY OBSTRUCTION WARNING LUMINAIRE, LED, 180 DEGREE RED, PARAPET MOUNTED | EACH | 6 |
| * | WATERWAY OBSTRUCTION WARNING LUMINAIRE, LED, 360 DEGREE GREEN, PARAPET MOUNTED | EACH | 2 |
| | OBSTRUCTION WARNING LIGHTING CONTROLLER | EACH | 1 |
| | LIGHT POLE FOUNDATION, 24" DIAMETER | FOOT | 12 |
| | BREAKAWAY DEVICE, TRANSFORMER BASE, 11.5 INCH BOLT CIRCLE | EACH | 2 |
| | REMOVAL OF POLE FOUNDATION | EACH | 2 |
| | RELOCATE EXISTING LIGHTING UNIT | EACH | 2 |
| | REMOVE ELECTRIC CABLE FROM CONDUIT | FOOT | 4255 |
| * | REMOVAL OF LIGHTING LUMINAIRE, SALVAGE | EACH | 241 |
| * | REMOVE EXISTING JUNCTION BOX | EACH | 46 |
| * | REMOVAL OF EXISTING NAVIGATIONAL LIGHTING | FOOT | 8 |
| * | REMOVAL OF LUMINAIRE, NO SALVAGE, UNDERPASS | EACH | 24 |
| * | REMOVE EXISTING CONDUIT ATTACHED TO STRUCTURE | FOOT | 2385 |
| * | REMOVE EXISTING CONTROLLER | EACH | 1 |
| * | REMOVE EXISTING UNDERGROUND CONDUIT | FOOT | 24 |
| * | LUMINAIRE, LED, ROADWAY, REPLACEMENT, OUTPUT DESIGNATION G | EACH | 129 (1) |
| * | LUMINAIRE, LED, ROADWAY, REPLACEMENT, OUTPUT DESIGNATION H | EACH | 112 (1) |
| * | MAINTENANCE OF LIGHTING SYSTEM | CAL MO | 12 |

## LIGHTING GENERAL NOTES

1. ELECTRIC CABLE IN EXISTING UNIT DUCT OR CONDUIT AND JUNCTION BOXES AT EACH UNDERPASS LOCATION SHALL BE REMOVED AND PAID FOR AS "REMOVE ELECTRIC CABLE FROM CONDUIT." ALL EXISTING LUMINAIRES, JUNCTION BOXES, CONDUITS AND CABLES FOR UNDERPASS LIGHTING SHALL BE REMOVED.
2. THERE ARE LOCATIONS WHERE EXISTING ROADWAY LUMINAIRES AND UNDERPASS LUMINAIRES ALONG THE ROADWAY AND RAMP ARE ON THE SAME CIRCUIT. THE EXITING LUMINAIRES SHALL BE PLACE WITH NO INTERRUPTION TO THE LIGHTING FROM DUSK TO DAWN.
3. LIGHTING SYSTEM INSTALLATION SHALL CONFORM TO THE LATEST IDOT STANDARDS AND NEC.
4. ALL ELECTRICAL EQUIPMENT AND PRODUCT SHALL BE LISTED AND LABELED.
5. THE EXISTING HPS ROADWAY LUMINAIRES TO BE REMOVED SHALL BE SALVAGED TO THE STATE, AND 55W LPS UNDERPASS LUMINAIRES TO BE REMOVED SHALL NOT BE SALVAGED.
6. THE REMOVAL AND REPLACEMENT OF LUMINAIRES SHALL BE SUCH THAT LIGHTING IS PROVIDED EACH NIGHT FROM DUSK TO DAWN.
7. THE NEW LED LUMINAIRES SHALL HAVE THE SAME ORIENTATION AS THE HPS LUMINAIRES THEY ARE REPLACING.
8. SPLICING AND RECONNECTION OF THE NEW LED LUMINAIRES ARE INCLUDED IN THE COST OF THE LUMINAIRES PAY ITEMS.

(1) REVISED SHEET 4/14/2025

LIGHTING SCHEDULE (1 OF 4)

| ROADWAY | REFERENCE ALIGNMENT | STATION | OFFSET | LIGHT POLE NUMBER | X8210003 LUM LED RDWY ROD G | X8210007 LUM LED RDWY ROD H | 83600200 LIGHT POLE FDN 24D | 84400105 RELOC EX LT UNIT | 83800105 BKWY DEV TR B 11.5BC |
|---|---|---|---|---|---|---|---|---|---|
| | | | FT | | EACH | EACH | FOOT | EACH | EACH |
| Mainline I-94 | Ex_CL_I-94 | 448+94.2900 R1 | -60.29 | XB14 | | 1 | | | |
| Mainline I-94 | Ex_CL_I-94 | 448+94.5200 R1 | 58.5 | XA10 | | 1 | | | |
| Mainline I-94 | Ex_CL_I-94 | 450+93.3975 R1 | -59.6494 | XA14 | 1 | | | | |
| Mainline I-94 | Ex_CL_I-94 | 450+93.6286 R1 | 59.1214 | XB10 | 1 | | | | |
| Mainline I-94 | Ex_CL_I-94 | 452+58.0148 R1 | 59.5273 | XA11 | 1 | | | | |
| Mainline I-94 | Ex_CL_I-94 | 452+58.0148 R1 | -59.3111 | XB15 | 1 | | | | |
| Mainline I-94 | Ex_CL_I-94 | 453+98.5153 R1 | -59.3111 | XA15 | 1 | | | | |
| Mainline I-94 | Ex_CL_I-94 | 453+98.9458 R1 | 59.5273 | XB11 | 1 | | | | |
| Mainline I-94 | Ex_CL_I-94 | 455+39.8734 R1 | 59.5273 | XA12 | 1 | | | | |
| Mainline I-94 | Ex_CL_I-94 | 455+39.8734 R1 | -59.3111 | XB16 | 1 | | | | |
| Mainline I-94 | Ex_CL_I-94 | 457+01.4870 R1 | 59.5273 | XB12 | | 1 | | | |
| Mainline I-94 | Ex_CL_I-94 | 457+05.0979 R1 | -59.3111 | XA16 | | 1 | | | |
| Mainline I-94 | Ex_CL_I-94 | 460+04.4912 R1 | 0.388 | HA10 & HB10 | | 2 | | | |
| Mainline I-94 | Ex_CL_I-94 | 462+11.8942 R1 | 0.6207 | HA9 & HB9 | | 2 | | | |
| Mainline I-94 | Ex_CL_I-94 | 464+23.0248 R1 | 0.9115 | HA8 & HB8 | | 2 | | | |
| Mainline I-94 | Ex_CL_I-94 | 466+32.9976 R1 | 0.8135 | HA7 & HB7 | | 2 | | | |
| Mainline I-94 | Ex_CL_I-94 | 468+27.9106 R1 | 0.8955 | HA6 & HB6 | | 2 | | | |
| Mainline I-94 | Ex_CL_I-94 | 470+40.4869 R1 | 1.3143 | HA5 & HB5 | | 2 | | | |
| Mainline I-94 | Ex_CL_I-94 | 472+54.6510 R1 | 1.3925 | HA4 & HB4 | | 2 | | | |
| Mainline I-94 | Ex_CL_I-94 | 474+64.2189 R1 | 1.558 | HA3 & HB3 | | 2 | | | |
| Mainline I-94 | Ex_CL_I-94 | 476+64.9444 R1 | 1.8001 | HA2 & HB2 | | 2 | | | |
| Mainline I-94 | Ex_CL_I-94 | 478+76.8554 R1 | 1.6095 | HA1 & HB1 | | 2 | | | |
| Mainline I-94 | Ex_CL_I-94 | 480+78.0269 R1 | 1.4955 | HC1 & HD1 | | 2 | | | |
| Mainline I-94 | Ex_CL_I-94 | 482+77.7944 R1 | 1.185 | HC2 & HD2 | | 2 | | | |
| Mainline I-94 | Ex_CL_I-94 | 484+82.3205 R1 | 0.759 | HC3 & HD3 | | 2 | | | |
| Mainline I-94 | Ex_CL_I-94 | 485+67.6912 R1 | -64.7823 | HG19 | | 1 | | | |
| Mainline I-94 | Ex_CL_I-94 | 485+71.2346 R1 | 67.75 | HH15 | | 1 | | | |
| Mainline I-94 | Ex_CL_I-94 | 487+65.8977 R1 | 64.2687 | HG15 | | 1 | | | |
| Mainline I-94 | Ex_CL_I-94 | 487+66.8281 R1 | -61.5379 | HH19 | | 1 | | | |
| Mainline I-94 | Ex_CL_I-94 | 489+63.0839 R1 | 63.5562 | HH16 | | 1 | | | |
| Mainline I-94 | Ex_CL_I-94 | 489+64.5533 R1 | -60.7613 | HG18 | | 1 | | | |
| Mainline I-94 | Ex_CL_I-94 | 491+44.2755 R1 | 65.3487 | HG16 | | 1 | | | |
| Mainline I-94 | Ex_CL_I-94 | 491+45.7500 R1 | -62.1518 | HH18 | | 1 | | | |
| Mainline I-94 | Ex_CL_I-94 | 493+38.9399 R1 | -63.4733 | HG17 | | 1 | | | |
| Mainline I-94 | Ex_CL_I-94 | 493+39.5548 R1 | 66.4145 | HH17 | | 1 | | | |
| Mainline I-94 | Ex_CL_I-94 | 494+16.4657 R1 | 0.0135 | HG9 & HH9 | | 2 | | | |
| Mainline I-94 | Ex_CL_I-94 | 496+93.5008 R1 | 0.915 | HG10 & HH10 | | 2 | | | |
| Mainline I-94 | Ex_CL_I-94 | 499+67.9035 R1 | 0.7844 | HG11 & HH11 | | 2 | | | |
| Mainline I-94 | Ex_CL_I-94 | 502+50.7669 R1 | 0.5317 | HG12 & HH12 | | 2 | | | |
| Mainline I-94 | Ex_CL_I-94 | 505+16.4267 R1 | -0.0553 | HG13 & HH13 | | 2 | | | |
| Mainline I-94 | Ex_CL_I-94 | 508+01.9091 R1 | -0.5582 | HG14 & HH14 | | 2 | | | |
| Mainline I-94 | Ex_CL_I-94 | 532+10.5547 R1 | 0.0585 | GA1 & GB1 | | 2 | | | |
| Mainline I-94 | Ex_CL_I-94 | 534+87.8071 R1 | 0.2438 | GA2 & GB2 | | 2 | | | |
| Mainline I-94 | Ex_CL_I-94 | 537+67.6014 R1 | -0.1454 | GA3 & GB3 | | 2 | | | |
| Mainline I-94 | Ex_CL_I-94 | 540+46.4899 R1 | 0.179 | GA4 & GB4 | | 2 | | | |
| Mainline I-94 | Ex_CL_I-94 | 543+26.6573 R1 | 0.3243 | GA5 & GB5 | | 2 | | | |
| Mainline I-94 | Ex_CL_I-94 | 546+06.4109 R1 | 0.7186 | GA6 & GB6 | | 2 | | | |
| Mainline I-94 | Ex_CL_I-94 | 549+17.2545 R1 | -0.2146 | GA11 & GB11 | | 2 | | | |
| Mainline I-94 | Ex_CL_I-94 | 552+20.4858 R1 | -0.2747 | GA12 & GB12 | | 2 | | | |
| Mainline I-94 | Ex_CL_I-94 | 554+89.0452 R1 | 0.6484 | GA13 & GB13 | | 2 | | | |
| SUBTOTAL 1 | | | | | 8 | 70 | 0 | 0 | 0 |

LIGHTING SCHEDULE (2 OF 4)

| ROADWAY | REFERENCE ALIGNMENT | STATION | OFFSET | LIGHT POLE NUMBER | X8210003 LUM LED RDWY ROD G | X8210007 LUM LED RDWY ROD H | 83600200 LIGHT POLE FDN 24D | 84400105 RELOC EX LT UNIT | 83800105 BKWY DEV TR B 11.5BC |
|---|---|---|---|---|---|---|---|---|---|
| | | | FT | | EACH | EACH | FOOT | EACH | EACH |
| Mainline I-94 | Ex_CL_I-94 | 557+73.7878 R1 | 0.425 | GA14 & GB14 | | 2 | | | |
| Mainline I-94 | Ex_CL_I-94 | 560+59.9927 R1 | -0.0064 | GA15 & GB15 | | 2 | | | |
| Mainline I-94 | Ex_CL_I-94 | 562+89.0177 R1 | -0.406 | GA16 & GB16 | | 2 | | | |
| Mainline I-94 | Ex_CL_I-94 | 565+19.7464 R1 | 0.3006 | GA17 & GB17 | | 2 | | | |
| Mainline I-94 | Ex_CL_I-94 | 567+31.4991 R1 | 0.067 | GA18 & GB18 | | 2 | | | |
| Mainline I-94 | Ex_CL_I-94 | 569+62.6883 R1 | -0.2755 | FC14 & FD14 | | 2 | | | |
| Mainline I-94 | Ex_CL_I-94 | 571+92.2151 R1 | -0.0927 | FC13 & FD13 | | 2 | | | |
| Mainline I-94 | Ex_CL_I-94 | 574+20.1609 R1 | 0.0439 | FC12 & FD12 | | 2 | | | |
| Mainline I-94 | Ex_CL_I-94 | 576+44.1737 R1 | 0.0248 | FC11 & FD11 | | 2 | | | |
| Mainline I-94 | Ex_CL_I-94 | 578+77.5104 R1 | 0.3953 | FC10 & FD10 | | 2 | | | |
| Mainline I-94 | Ex_CL_I-94 | 581+02.3879 R1 | 0.8169 | FC9 & FD9 | | 2 | | | |
| Mainline I-94 | Ex_CL_I-94 | 583+28.1615 R1 | 0.9811 | FC8 & FD8 | | 2 | | | |
| Mainline I-94 | Ex_CL_I-94 | 585+56.1258 R1 | 0.1779 | FC7 & FD7 | | 2 | | | |
| Mainline I-94 | Ex_CL_I-94 | 587+91.4776 R1 | -0.113 | FC6 & FD6 | | 2 | | | |
| Mainline I-94 | Ex_CL_I-94 | 590+16.1179 R1 | -0.8268 | FC5 & FD5 | | 2 | | | |
| Mainline I-94 | Ex_CL_I-94 | 592+47.6464 R1 | 1.2496 | FC4 & FD4 | | 2 | | | |
| Mainline I-94 | Ex_CL_I-94 | 594+83.8032 R1 | -0.3622 | FC3 & FD3 | | 2 | | | |
| Mainline I-94 | Ex_CL_I-94 | 597+81.8433 R1 | -0.298 | FC2 & FD2 | | 2 | | | |
| Mainline I-94 | Ex_CL_I-94 | 600+81.8458 R1 | 0.0269 | FC1 & FD1 | | 2 | | | |
| Mainline I-94 | Ex_CL_I-94 | 603+76.1771 R1 | 66.883 | FL7 | 1 | | | | |
| Mainline I-94 | Ex_CL_I-94 | 603+77.5539 R1 | -70.1935 | FJ1 | 1 | | | | |
| Mainline I-94 | Ex_CL_I-94 | 606+26.0935 R1 | -0.1634 | EA12 & EB12 | | 2 | | | |
| Mainline I-94 | Ex_CL_I-94 | 608+55.7011 R1 | -0.274 | EA11 & EB11 | | 2 | | | |
| Ramp W3 | ExBL1 | 100+17.7993 R1 | 21.6684 | HJ5 | 1 | | | | |
| Ramp W3 | ExBL1 | 102+18.7026 R1 | 19.8383 | HI5 | 1 | | | | |
| Ramp W3 | ExBL1 | 104+20.7833 R1 | 19.7033 | HJ4 | 1 | | | | |
| Ramp W3 | ExBL1 | 106+21.5798 R1 | 19.9482 | HI4 | 1 | | | | |
| Ramp W3 | ExBL1 | 108+22.3894 R1 | 19.6896 | HJ3 | 1 | | | | |
| Ramp W3 | ExBL1 | 108+86.5500 R1 | -60.33 | HE1 | 1 | | | | |
| Ramp W3 | ExBL1 | 109+04.9200 R1 | -138.5 | HI1 | 1 | | | | |
| Ramp W3 | ExBL1 | 110+52.4500 R1 | -94.8 | HJ1 | 1 | | | | |
| Ramp W3 | ExBL1 | 112+27.5800 R1 | -79.7 | HI2 | 1 | | | | |
| Ramp W3 | ExBL1 | 110+30.4994 R1 | 20.2215 | HI3 | 1 | | | | |
| Ramp W3 | ExBL1 | 112+25.4551 R1 | 21.295 | HJ2 | 1 | | | | |
| Ramp W1 | W1 | 10+12.5451 R1 | 23.5304 | HF4 | 1 | | | | |
| Ramp W1 | W1 | 10+91.6200 R1 | -81.54 | HG20 | 1 | | | | |
| Ramp W1 | W1 | 11+40.4902 R1 | 19.0985 | HE4 | 1 | | | | |
| DOLTON RD | - | - | - | HF3 | 1 | | | | |
| Ramp W1 | W1 | 13+02.3400 R1 | -56.3 | HE3 | 1 | | | | |
| Ramp W1 | W1 | 13+40.2331 R1 | 20.0438 | HE5 | 1 | | | | |
| Ramp W1 | W1 | 15+40.2507 R1 | 20.4404 | HF5 | 1 | | | | |
| Ramp W1 | W1 | 17+40.0112 R1 | 20.2662 | HE6 | 1 | | | | |
| Ramp W1 | W1 | 19+11.4524 R1 | 26.463 | HF6 | 1 | | | | |
| Ramp W1 | W1 | 21+21.4563 R1 | 16.251 | HE7 | 1 | | | | |
| Ramp W4 | W4 | 50+63.4900 R1 | -74.2 | HF2 | 1 | | | | |
| Ramp W2 | W2 | 51+32.8352 R1 | 23.8928 | HG5 | 1 | | | | |
| Ramp W2 | W2 | 52+60.3800 R1 | -65.3 | HH20 | 1 | | | | |
| Ramp W2 | W2 | 53+02.0110 R1 | 19.2191 | HH6 | 1 | | | | |
| Ramp W2 | W2 | 54+46.5452 R1 | 18.7596 | HG6 | 1 | | | | |
| Ramp W2 | W2 | 55+99.3955 R1 | 20.3481 | HH7 | 1 | | | | |
| Ramp W2 | W2 | 57+51.9833 R1 | 19.6742 | HG7 | 1 | | | | |
| SUBTOTAL 2 | | | | | 30 | 42 | 0 | 0 | 0 |

MODEL: Default
FILE NAME: \\bhmepw11ics01\ICS_pdf_work_dir\3024\1468_2100D162K53-sht-dgn\-SOQ-01.dgn

ABNA DESIGN FIRM REG. 184.002117
745 McClintock Drive
Suite 210
Burr Ridge, IL 60527
Ph. 773-881-4788
www.abnacorp.com

| | | | |
|---|---|---|---|
| USER NAME = hbmepw11ics01$ | DESIGNED - FPE | REVISED - 1 4/8/2025 LNK | |
| | DRAWN - LNK | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - JMO | REVISED - | |
| PLOT DATE = 4/10/2025 | DATE - 12/9/2024 | REVISED - | |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN SCHEDULE OF QUANTITIES
I-94 (BISHOP FORD EXPY)

SCALE: | SHEET 1 OF 2 SHEETS | STA. TO STA.

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 94 | (42-B-11-1) BR, BJR 24 | COOK | 761 | 401 |
| | | CONTRACT NO. 62W87 | | |
| | ILLINOIS | FED. AID PROJECT | | |

## LIGHTING SCHEDULE (3 OF 4)

| ROADWAY | REFERENCE ALIGNMENT | STATION | OFFSET | LIGHT POLE NUMBER | X8210003 LUM LED RDWY ROD G | X8210007 LUM LED RDWY ROD H | 83600200 LIGHT POLE FDN 24D | 84400105 RELOC EX LT UNIT | 83800105 BKWY DEV TR B 11.5BC |
|---|---|---|---|---|---|---|---|---|---|
| | | | FT | | EACH | EACH | FOOT | EACH | EACH |
| Ramp W2 | W2 | 59+02.8293 R1 | 19.8894 | HH8 | 1 | | | | |
| Ramp W2 | W2 | 482+58.0998 R1 | 78.0439 | HG8 | 1 | | | | |
| Ramp W4 | W4 | 150+44.6058 R1 | 23.0317 | HH4 | 1 | | | | |
| Ramp W4 | W4 | 152+30.6333 R1 | 20.8217 | HG4 | 1 | | | | |
| Ramp W4 | W4 | 154+26.2983 R1 | 20.3023 | HH3 | 1 | | | | |
| Ramp W4 | W4 | 156+10.8917 R1 | 20.1142 | HG3 | 1 | | | | |
| Ramp W4 | W4 | 157+92.1426 R1 | 20.2158 | HH2 | 1 | | | | |
| Ramp W4 | W4 | 160+01.0910 R1 | 20.2509 | HG2 | 1 | | | | |
| Ramp W4 | W4 | 162+08.6800 R1 | -38.6 | HG1 | 1 | | | | |
| Ramp W4 | W4 | 162+39.6700 R1 | -110.8 | HF1 | 1 | | | | |
| Ramp W4 | W4 | 163+85.5200 R1 | -77.9 | HE2 | 1 | | | | |
| Ramp W4 | W4 | 162+07.3998 R1 | 20.2246 | HH1 | 1 | | | | |
| Ramp W4 | W4 | 163+79.0346 R1 | 23.8134 | HH5 | 1 | | | | |
| Ramp Y1 | Y1 | 657+64.3882 R1 | 10.1942 | FH10 | 1 | | | | |
| Ramp Y1 | Y1 | 659+19.4667 R1 | 9.8603 | FG10 | 1 | | | | |
| Ramp Y1 | Y1 | 660+78.0402 R1 | 10.889 | FH9 | 1 | | | | |
| Ramp Y1 | Y1 | 662+30.8016 R1 | 10.6185 | FG9 | 1 | | | | |
| Ramp Y1 | Y1 | 663+88.1009 R1 | 10.1983 | FH8 | 1 | | | | |
| Ramp Y1 | PR_CENTERLINE | 103+77.3947 R1 | 11.5047 | FG8 | 1 | | 6 | 1 | 4 |
| Ramp Y1 | PR_CENTERLINE | 105+38.6252 R1 | 10.9222 | FH7 | 1 | | 6 | 1 | 4 |
| Ramp Y2 | Y2 | 700+20.3431 R1 | 15.1149 | FG1 | 1 | | | | |
| Ramp Y2 | Y2 | 701+41.1652 R1 | 17.0593 | FH1 | 1 | | | | |
| Ramp Y2 | Y2 | 702+85.5674 R1 | 10.1287 | FG2 | 1 | | | | |
| Ramp Y2 | Y2 | 704+35.4132 R1 | -25.1826 | FH2 | 1 | | | | |
| Ramp Y2 | Y2 | 705+85.9965 R1 | -24.8905 | FG3 | 1 | | | | |
| Ramp Y2 | Y2 | 707+36.9135 R1 | -24.9631 | FH3 | 1 | | | | |
| Ramp Y2 | Y2 | 709+06.6113 R1 | -25.7121 | FG4 | 1 | | | | |
| Ramp Y2 | Y2 | 710+36.3071 R1 | 9.9025 | FH5 | 1 | | | | |
| Ramp Y2 | Y2 | 711+91.7710 R1 | 12.9338 | FG6 | 1 | | | | |
| Ramp Y3 | Y3 | 751+00.2297 R1 | 11.1271 | FI5 | 1 | | | | |
| Ramp Y3 | Y3 | 752+64.5634 R1 | 9.4113 | FJ5 | 1 | | | | |
| Ramp Y3 | Y3 | 754+31.1988 R1 | -26.7488 | FI3 | 1 | | | | |
| Ramp Y3 | Y3 | 755+71.8110 R1 | -25.1896 | FJ3 | 1 | | | | |
| Ramp Y3 | Y3 | 757+28.2855 R1 | -26.103 | FI2 | 1 | | | | |
| Ramp Y3 | Y3 | 758+84.3940 R1 | 9.8387 | FJ2 | 1 | | | | |
| Ramp Y3 | Y3 | 760+39.3600 R1 | 12.9583 | FI1 | 1 | | | | |
| Ramp Y4 | Y4 | 804+96.6596 R1 | 15.1193 | FJ11 | 1 | | | | |
| Ramp Y4 | Y4 | 806+51.5039 R1 | 21.0651 | FI10 | 1 | | | | |
| Ramp Y4 | Y4 | 808+24.4168 R1 | 16.011 | FJ9 | 1 | | | | |
| Ramp Y4 | Y4 | 809+89.6734 R1 | 8.7762 | FI9 | 1 | | | | |
| Ramp Y4 | Y4 | 811+55.2201 R1 | -32.8977 | FJ8 | 1 | | | | |
| Ramp Y4 | Y4 | 813+19.8155 R1 | 9.4992 | FI8 | 1 | | | | |
| Ramp Y5 | Y5 | 851+76.7331 R1 | 11.8127 | FB5 | 1 | | | | |

## LIGHTING SCHEDULE (4 OF 4)

| ROADWAY | REFERENCE ALIGNMENT | STATION | OFFSET | LIGHT POLE NUMBER | X8210003 LUM LED RDWY ROD G | X8210007 LUM LED RDWY ROD H | 83600200 LIGHT POLE FDN 24D | 84400105 RELOC EX LT UNIT | 83800105 BKWY DEV TR B 11.5BC |
|---|---|---|---|---|---|---|---|---|---|
| | | | FT | | EACH | EACH | FOOT | EACH | EACH |
| Ramp Y5 | Y5 | 861+57.2930 R1 | 11.499 | FB2 | 1 | | | | |
| Ramp Y5 | Y5 | 863+31.6515 R1 | 11.3344 | FA2 | 1 | | | | |
| Ramp Y5 | Y5 | 865+08.1822 R1 | 17.0452 | FB1 | 1 | | | | |
| Ramp Y5 | Y5 | 866+82.2115 R1 | 4.1252 | FA1 | 1 | | | | |
| Ramp Y6 | Y6 | 900+96.2470 R1 | 6.5168 | FB10 | 1 | | | | |
| Ramp Y6 | Y6 | 902+41.7199 R1 | 9.8842 | FA9 | 1 | | | | |
| Ramp Y6 | Y6 | 903+86.6278 R1 | -25.0143 | FB9 | 1 | | | | |
| Ramp Y6 | Y6 | 905+31.1447 R1 | -24.9752 | FA6 | 1 | | | | |
| Ramp Y6 | Y6 | 906+76.3730 R1 | -25.3408 | FB6 | 1 | | | | |
| Ramp Y6 | Y6 | 908+19.2696 R1 | -25.1486 | FA7 | 1 | | | | |
| Ramp Y6 | Y6 | 909+65.5403 R1 | 10.546 | FB7 | 1 | | | | |
| Ramp Y6 | Y6 | 911+10.9626 R1 | 9.9576 | FA8 | 1 | | | | |
| Ramp Y7 | Y7 | 950+86.5173 R1 | 12.2599 | FK6 | 1 | | | | |
| Ramp Y7 | Y7 | 952+45.8900 R1 | 10.5423 | FL6 | 1 | | | | |
| Ramp Y7 | Y7 | 953+93.8506 R1 | -26.068 | FK5 | 1 | | | | |
| Ramp Y7 | Y7 | 955+43.1388 R1 | -25.245 | FL5 | 1 | | | | |
| Ramp Y7 | Y7 | 956+93.1737 R1 | -26.6122 | FK4 | 1 | | | | |
| Ramp Y7 | Y7 | 958+44.1102 R1 | -22.4122 | FL4 | 1 | | | | |
| Ramp Y7 | Y7 | 959+78.8785 R1 | 14.6466 | FK2 | 1 | | | | |
| Ramp Y7 | Y7 | 961+30.8618 R1 | 10.8465 | FL2 | 1 | | | | |
| Ramp Y8 | Y8 | 1001+02.1920 R1 | 11.4353 | FK7 | 1 | | | | |
| Ramp Y8 | Y8 | 1002+54.3737 R1 | 10.7376 | FL9 | 1 | | | | |
| Ramp Y8 | Y8 | 1004+19.8857 R1 | 10.8018 | FK8 | 1 | | | | |
| Ramp Y8 | Y8 | 1005+83.3160 R1 | 11.2618 | FL10 | 1 | | | | |
| Ramp Y8 | Y8 | 1007+38.8754 R1 | 9.4374 | FK9 | 1 | | | | |
| Ramp Y8 | Y8 | 1009+12.9827 R1 | 15.5408 | FL11 | 1 | | | | |
| Ramp Y8 | Y8 | 1010+95.3784 R1 | 16.6483 | FK10 | 1 | | | | |
| Ramp Y8 | Y8 | 1012+62.7297 R1 | 21.3835 | FL12 | 1 | | | | |
| Ramp Y8 | Y8 | 1013+81.3362 R1 | 19.1221 | FK11 | 1 | | | | |
| US 6 | Y4 | 815+46.8379 | -41.4135 | FI14 | 1 | | | | |
| US 6 | Y1 | 656+07.1266 | -133.848 | FH4 | 1 | | | | |
| US 6 | Y8 | 1002+12.6057 | -77.7583 | FL1 | 1 | | | | |
| US 6 | Y5 | 864+04.6186 | -56.4376 | FB11 | 1 | | | | |
| US 6 | Y7 | 960+83.9582 | -80.3026 | FK1 | 1 | | | | |
| US 6 | EXISTING CENTERLINE | 338+97.1349 | -37.8684 | FA11 | 1 | | | | |
| US 6 | EXISTING CENTERLINE | 340+34.4556 | 48.9695 | FK3 | 1 | | | | |
| US 6 | EXISTING CENTERLINE | 341+74.2789 | 49.1869 | FL3 | 1 | | | | |
| US 6 | EXISTING CENTERLINE | 342+05.2589 | -48.0872 | FA10 | 1 | | | | |
| US 6 | EXISTING CENTERLINE | 345+24.8554 | 49.5557 | FI6 | 1 | | | | |
| US 6 | EXISTING CENTERLINE | 345+81.0765 | -48.8481 | FH6 | 1 | | | | |
| US 6 | EXISTING CENTERLINE | 346+49.9435 | 49.0366 | FJ6 | 1 | | | | |
| US 6 | EXISTING CENTERLINE | 348+72.0430 | -37.2376 | FG5 | 1 | | | | |
| US 6 | EXISTING CENTERLINE | 349+84.0229 | 38.7504 | FJ14 | 1 | | | | |
| SUBTOTAL 4 | | | | | 43 | 0 | 0 | 0 | 0 |
| TOTAL | | | | | 129 | 112 | 12 | 2 | 8 |

## LIGHTING SCHEDULE

| ROADWAY | FROM STA | TO STA | 81100320 CON AT ST 1 PVC GS | 81702110 EC C XLP USE 1C 10 | 81702450 EC C XLP USE 3-1C 10 | 81800330 A CBL 3-1C6 MESS WIRE | 81028350 UNDRGRD C PVC 2 | 82200609 WWOWL LED 360 D G | 82200606 WWOWL LED 180 R PM | 82600106 OBSTRUCT WARN LT CONT | 81300220 JUN BX SS AS 6X6X4 | 81300310 JUN BX SS AS 8X6X4 | 81300420 JUN BX SS AS 10X8X6 | 81300830 JUN BX SS AP 18X18X8 | 82110026 LUM LED UP SUS D | 82110022 LUM LED UP WM E | 81603081 UD 3#2#4GXLP USE 1.5 P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | FOOT | FOOT | FOOT | FOOT | FOOT | EACH | EACH | EACH | EACH | EACH | EACH | EACH | EACH | EACH | FOOT |
| I-94 Over Dolton | 478+47.356 | 479+21.9413 | 400 | 765 | 175 | | | | | | 8 | | 4 | 2 | 8 | - | - |
| WB US 6 - WB I-94 | 663+88.10 R1 | 665+40.34 R1 | - | - | | | | | | | - | | - | - | - | - | 152.4 |
| WB US 6 - WB I-94 | 665+40.34 R1 | 666+97.48 R1 | - | - | | | | | | | - | | - | - | - | - | 147 |
| I-94 AND 154TH ST | 547+32.13 | 547+94.02 | 300 | 780 | 70 | | | | | | 8 | | 2 | 1 | 8 | - | - |
| I-94 AND 159TH ST | 602+42.43 | 603+32.58 | 350 | 630 | 205 | | | | | | 6 | | 3 | 1 | - | 8 | - |
| I-94 STELL BRIDGE | 451+65.97 | 458+00 | 1331 | 4366 | 435 | 100 | 24 | 2 | 6 | 1 | | 11 | | | | | |
| TOTAL | | | 2381 | 6541 | 885 | 100 | 24 | 2 | 6 | 1 | 22 | 11 | 9 | 4 | 16 | 8 | 300 |

ABNA DESIGN FRM REG. 184.002117
745 McClintock Drive Suite 210 Burr Ridge, IL 60527 Ph. 773-881-4788 www.abnacorp.com

| | | | |
|---|---|---|---|
| USER NAME = hbmepw11ics01$ | DESIGNED - FPE | REVISED - 4/8/2025 LNK | |
| | DRAWN - LNK | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - JMO | REVISED - | |
| PLOT DATE = 4/10/2025 | DATE - 01/22/2025 | REVISED - | |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**LIGHTING PLAN SCHEDULE OF QUANTITIES**
**I-94 (BISHOP FORD EXPY)**

SCALE: | SHEET 2 OF 2 SHEETS | STA. | TO STA.

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 94 | (42-B-11-1) BR, BJR 24 | COOK | 761 | 402 |
| | | CONTRACT NO. 62W87 | | |
| | | ILLINOIS | FED. AID PROJECT | |

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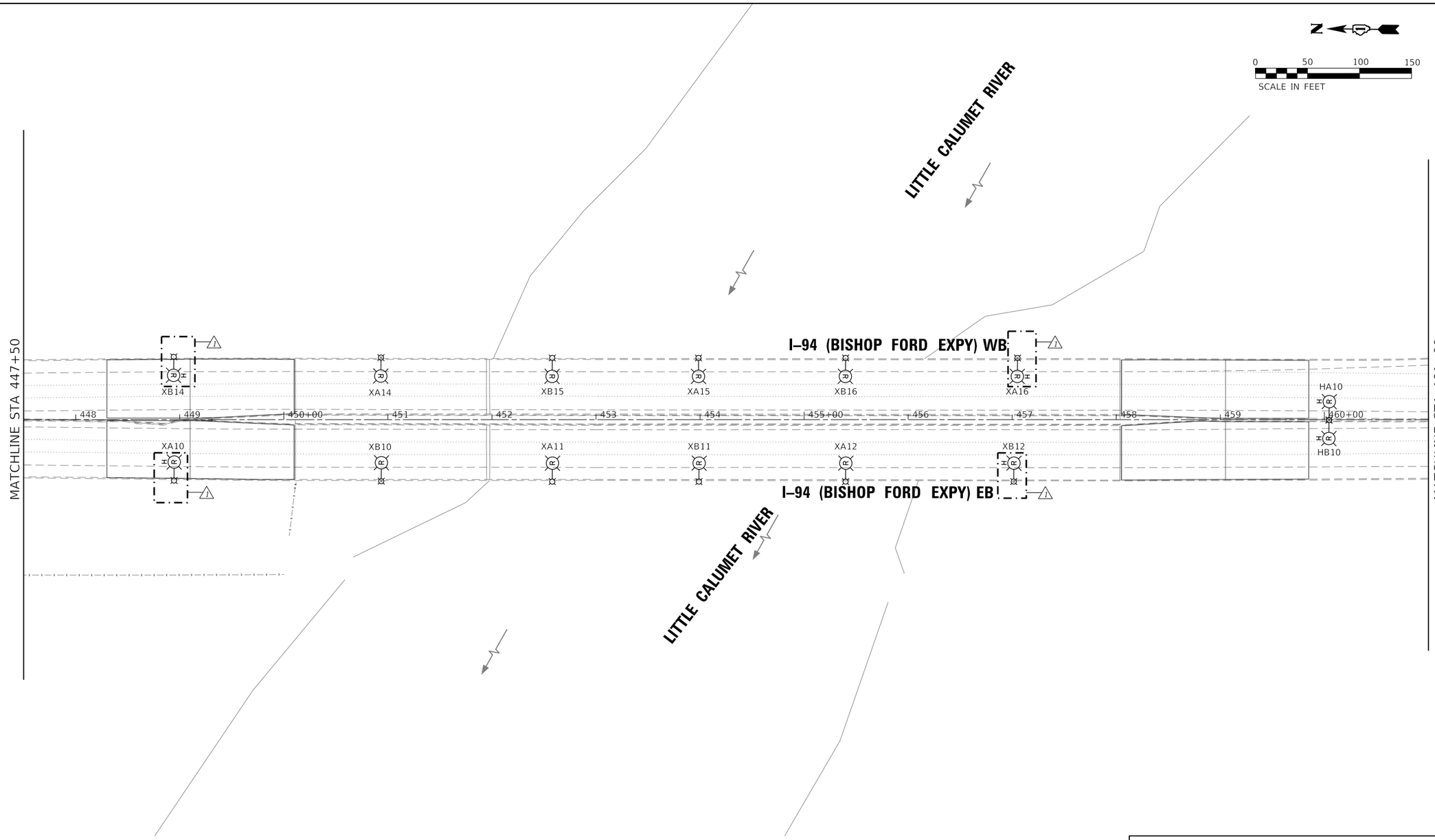


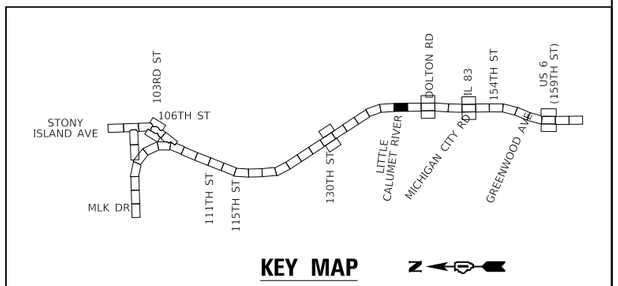


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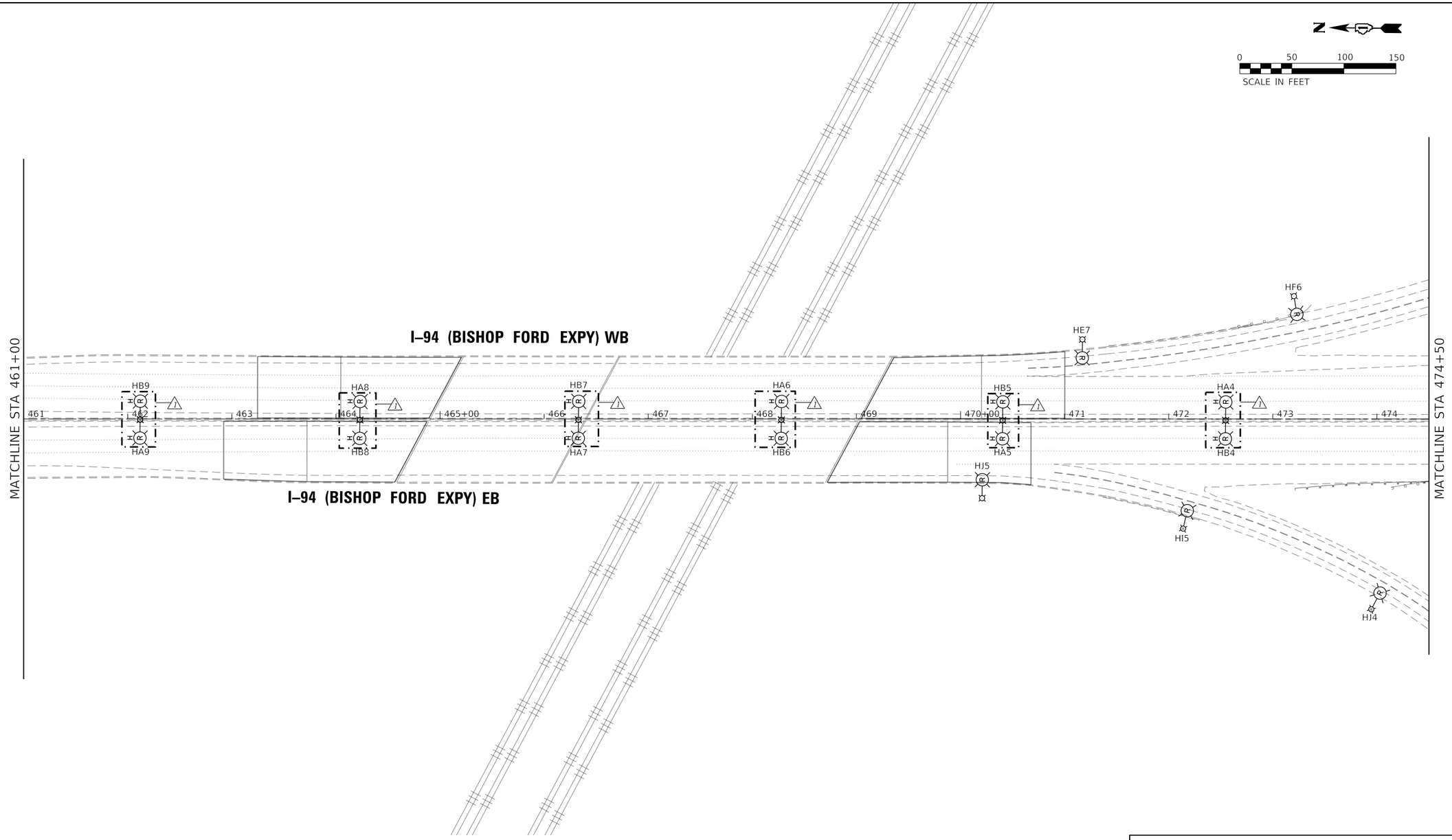
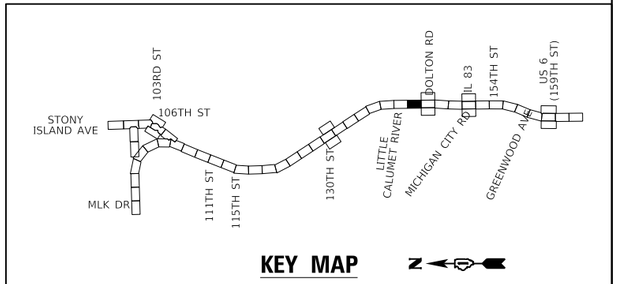
|---|---|---|---|---|---|
| ABNA DESIGN FRM REG. 184.002117 745 McCintock Drive Suite 210 Burr Ridge, IL 60527 Ph. 773-681-4788 www.abnacorp.com | USER NAME = hbmepw11ics01$ | DESIGNED - FPE | REVISED - 1 4/8/2025 LNK | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | LIGHTING PLAN I–94 (BISHOP FORD EXPY) |
| | | DRAWN - LNK | REVISED - | | |
| | PLOT SCALE = 100.0000 ' / in. | CHECKED - JMO | REVISED - | | |
| | PLOT DATE = 4/10/2025 | DATE - 12/9/2024 | REVISED - | | SCALE: SHEET 1 OF 22 SHEETS STA. 447+50 TO STA. 461+00 |

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 94 | (42-B-11-1) BR, BJR 24 | COOK | 761 | 403 |
| | | CONTRACT NO. 62W87 | | |
| | | ILLINOIS FED. AID PROJECT | | |

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|---|---|---|---|---|---|
| ABNA DESIGN FIRM REG. 184.002117 745 McClintock Drive Suite 210 Burr Ridge, IL 60527 Ph. 773-881-4788 www.abnacorp.com | USER NAME = hbmepw11ics01$ | DESIGNED - FPE | REVISED - 1 4/8/2025 LNK | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | |
| | | DRAWN - LNK | REVISED - | | |
| | PLOT SCALE = 100.0000 ' / in. | CHECKED - JMO | REVISED - | | |
| | PLOT DATE = 4/10/2025 | DATE - 12/9/2024 | REVISED - | | |

**LIGHTING PLAN**
**I–94 (BISHOP FORD EXPY)**

SCALE: | SHEET 2 OF 22 SHEETS | STA. 461+00 TO STA. 474+50

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 94 | (42-B-11-1) BR, BJR 24 | COOK | 761 | 404 |
| | | CONTRACT NO. 62W87 | | |
| | ILLINOIS | FED. AID PROJECT | | |

MATCHLINE A

SCALE IN FEET 0 50 100 150

STONY ISLAND AVE

DOLTON RD

I–94 (BISHOP FORD EXPY) WB

I–94 (BISHOP FORD EXPY) EB

SEE UNDERPASS LIGHTING PLANS
SEE SHEETS 425 & 426

MATCHLINE STA 474+50

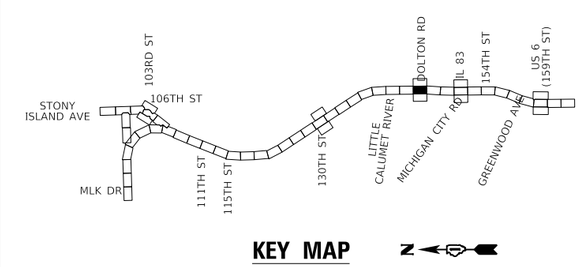
MATCHLINE STA 488+00

HE5 HE3 HH20 HG6 HH7 HH6 HF5 HG7 HG5 HE6 HF2 HH8 HG8 HB3 HA2 HB1 HD1 HC2 HD3 HG19 HH19 HA3 HB2 HA1 HC1 HD2 HC3 HH15 HG15 HH4 HG4 HE2 HH5 HH3 HI4 HF1 HG1 HH1

475+00 476 477 478 479 480+00 481 482 483 484 485+00 486 487

MATCHLINE B

HARPER AVE

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745 McClintock Drive
Suite 210
Burr Ridge, IL 60527
Ph. 772-881-4788
www.abnacorp.com

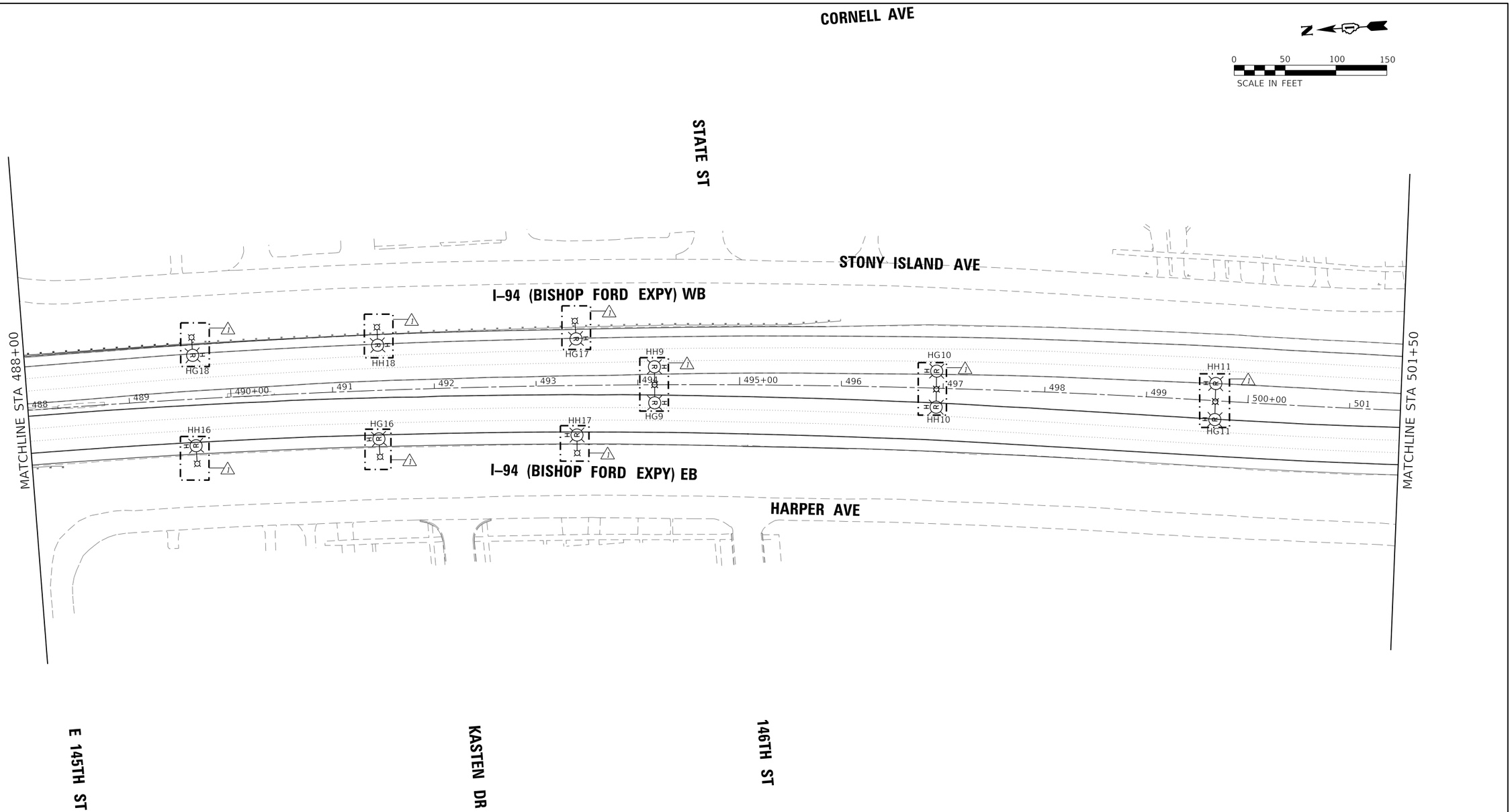
| | | | |
|---|---|---|---|
| USER NAME = hbmepw11ics01$ | DESIGNED - FPE | REVISED - 1 4/8/2025 LNK | |
| | DRAWN - LNK | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - JMO | REVISED - | |
| PLOT DATE = 4/10/2025 | DATE - 12/9/2024 | REVISED - | |

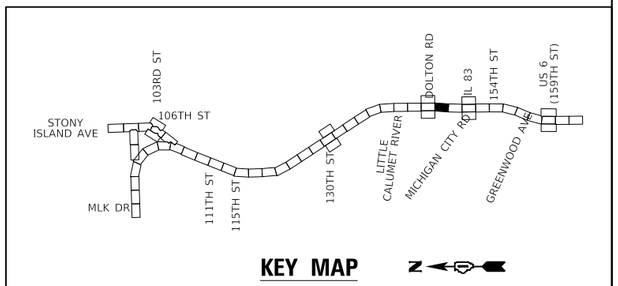
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN
I–94 (BISHOP FORD EXPY)

SCALE: SHEET 3 OF 22 SHEETS STA. 474+50 TO STA. 488+00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 94 | (42-B-11-1) BR, BJR 24 | COOK | 761 | 405 |
| | | CONTRACT NO. 62W87 | | |
| | | ILLINOIS | FED. AID PROJECT | |

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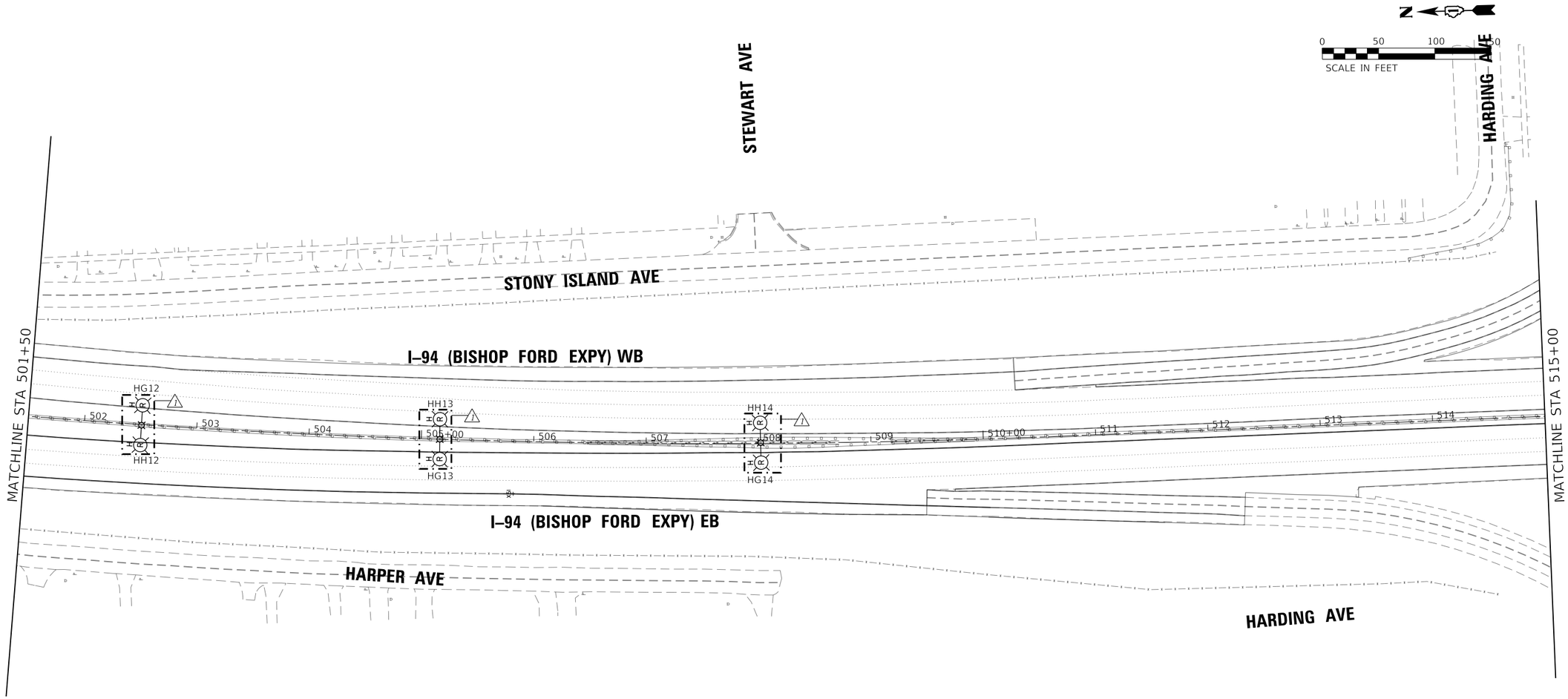
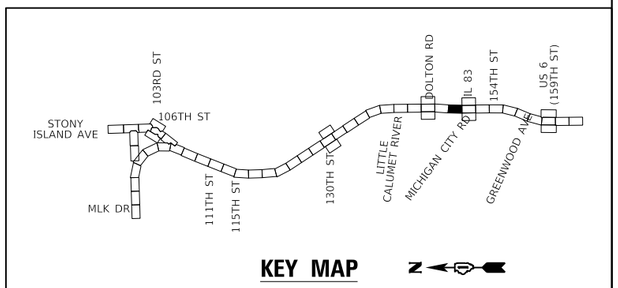
|---|---|---|---|---|---|
| ABNA DESIGN FRM REG. 184.002117 745 McCintock Drive Suite 210 Burr Ridge, IL 60527 Ph. 773-681-4788 www.abnacorp.com | USER NAME = hbmepw11fcs01$ | DESIGNED - FPE | REVISED - 1 4/8/2025 LNK | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | LIGHTING PLAN I-94 (BISHOP FORD EXPY) |
| | | DRAWN - LNK | REVISED - | | |
| | PLOT SCALE = 100.0000 ' / in. | CHECKED - JMO | REVISED - | | |
| | PLOT DATE = 4/10/2025 | DATE - 12/9/2024 | REVISED - | | SCALE: SHEET 6 OF 22 SHEETS STA. 488+00 TO STA. 501+50 |

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 94 | (42-B-11-1) BR, BJR 24 | COOK | 761 | 408 |
| | | CONTRACT NO. 62W87 | | |
| | | ILLINOIS | FED. AID PROJECT | |

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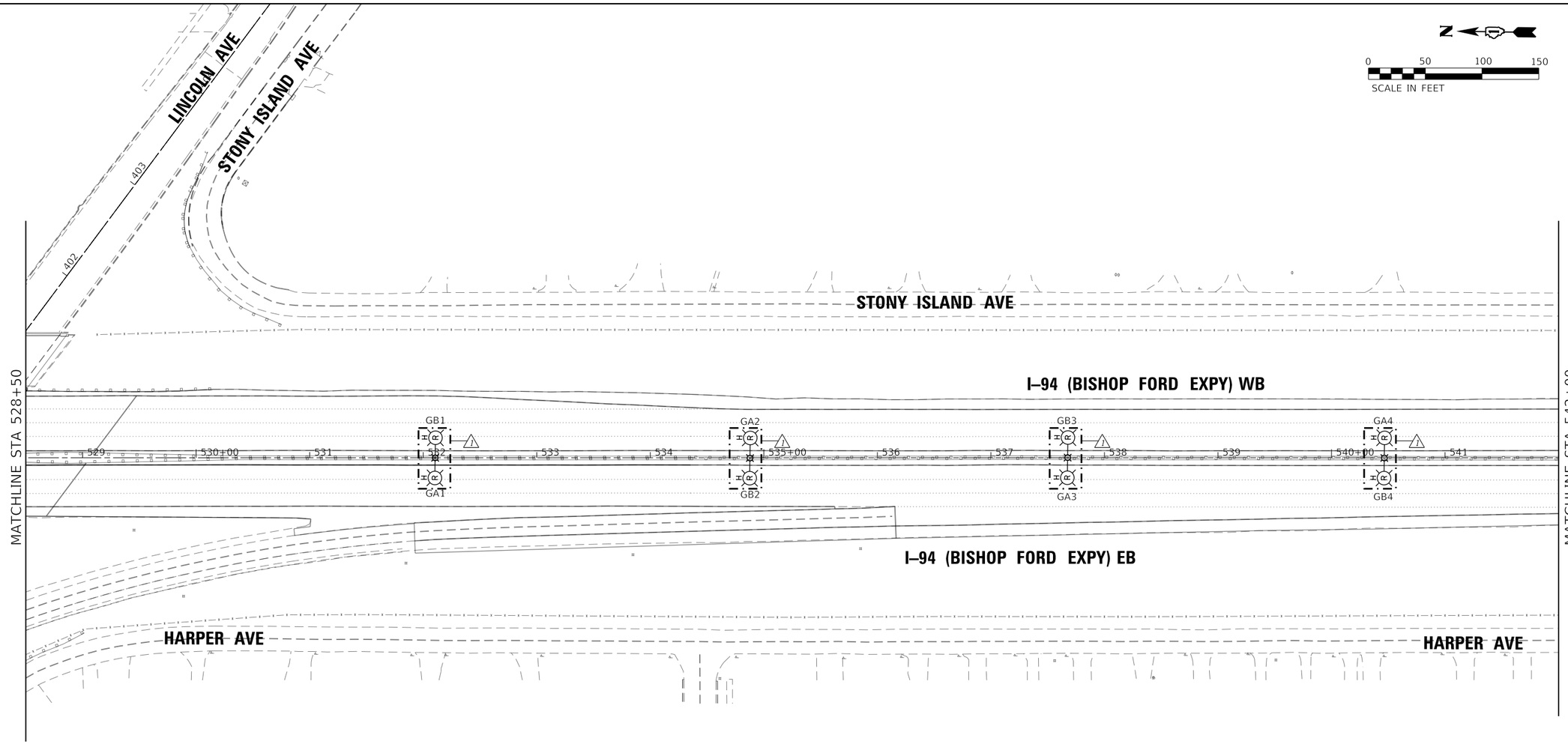
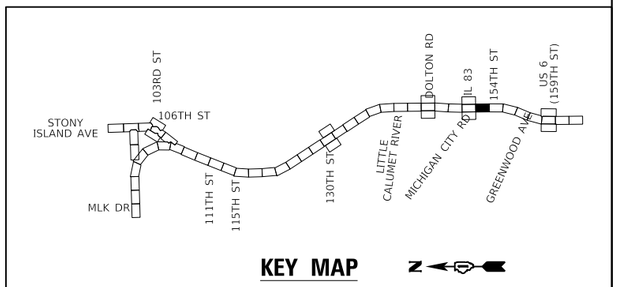
|---|---|---|---|---|---|
| ABNA DESIGN FIRM REG. 184.002117 745 McClintock Drive Suite 210 Burr Ridge, IL 60527 Ph. 773-881-4788 www.abnacorp.com | USER NAME = hbmepw11ics01$ | DESIGNED - FPE | REVISED - 1 4/8/2025 LNK | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | LIGHTING PLAN I–94 (BISHOP FORD EXPY) |
| | | DRAWN - LNK | REVISED - | | |
| | PLOT SCALE = 100.0000 ' / in. | CHECKED - JMO | REVISED - | | |
| | PLOT DATE = 4/10/2025 | DATE - 12/9/2024 | REVISED - | | |

SCALE: | SHEET 7 OF 22 SHEETS | STA. 501+50 TO STA. 515+00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 94 | (42-B-11-1) BR, BJR 24 | COOK | 761 | 409 |
| | | CONTRACT NO. 62W87 | | |
| | ILLINOIS | FED. AID PROJECT | | |




2ND ST

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745 McClintock Drive
Suite 210
Burr Ridge, IL 60527
Ph. 773-881-4788
www.abnacorp.com

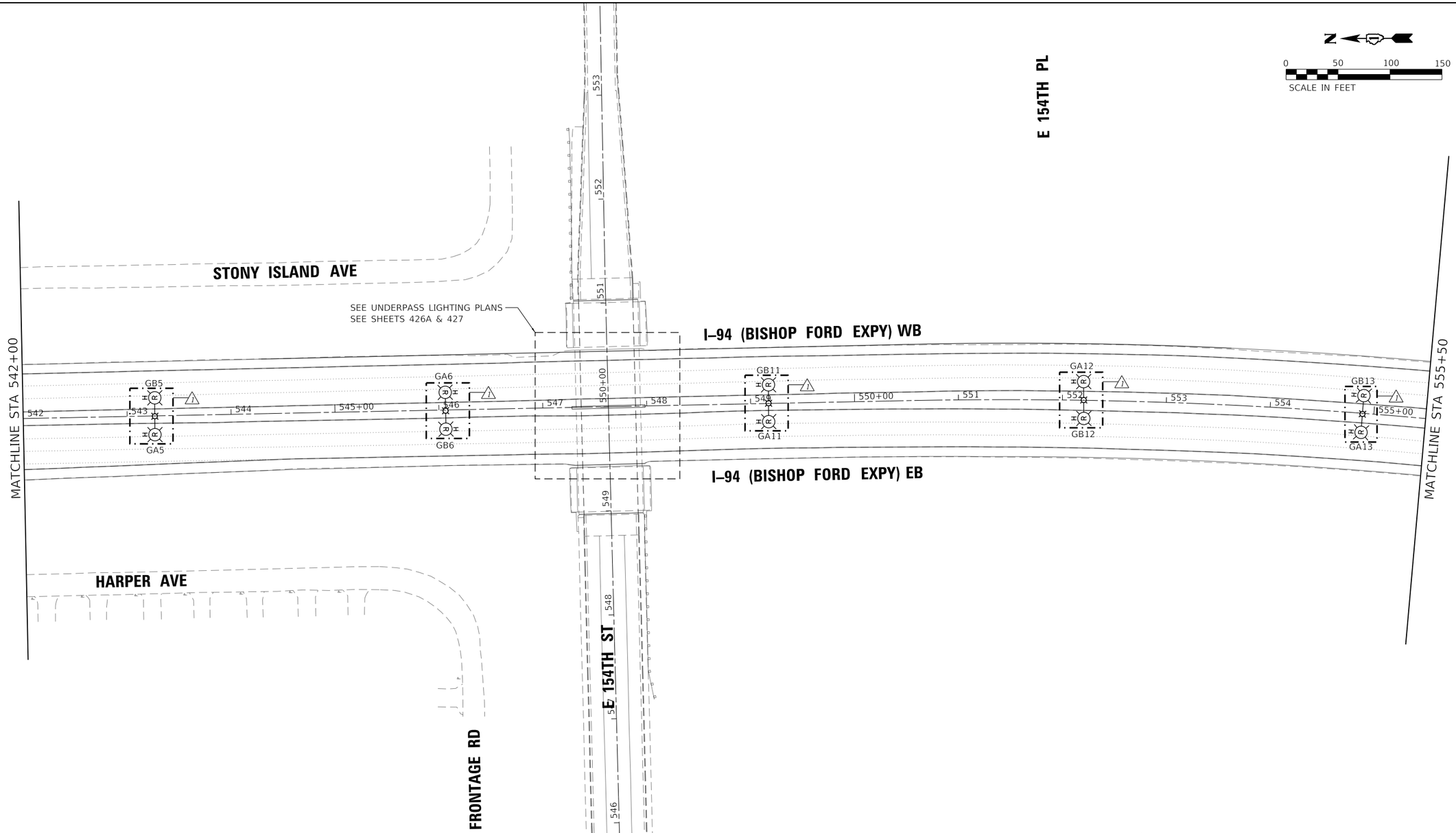
| | | | |
|---|---|---|---|
| USER NAME = hbmepw11ics01$ | DESIGNED - FPE | REVISED - 1 4/8/2025 LNK | |
| | DRAWN - LNK | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - JMO | REVISED - | |
| PLOT DATE = 4/10/2025 | DATE - 12/9/2024 | REVISED - | |

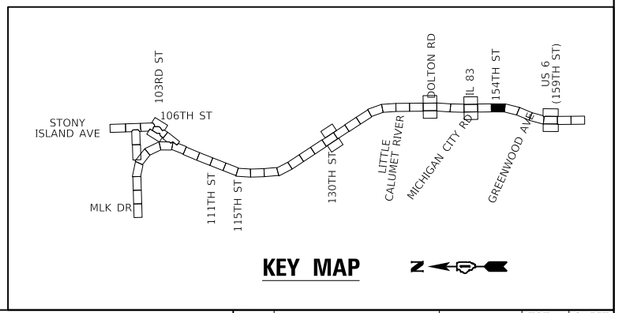
**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**LIGHTING PLAN**
**I–94 (BISHOP FORD EXPY)**

SCALE: | SHEET 11 OF 22 SHEETS | STA. 528+50 TO STA. 542+00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 94 | (42-B-11-1) BR, BJR 24 | COOK | 761 | 413 |
| | | CONTRACT NO. 62W87 | | |
| | | ILLINOIS | FED. AID PROJECT | |

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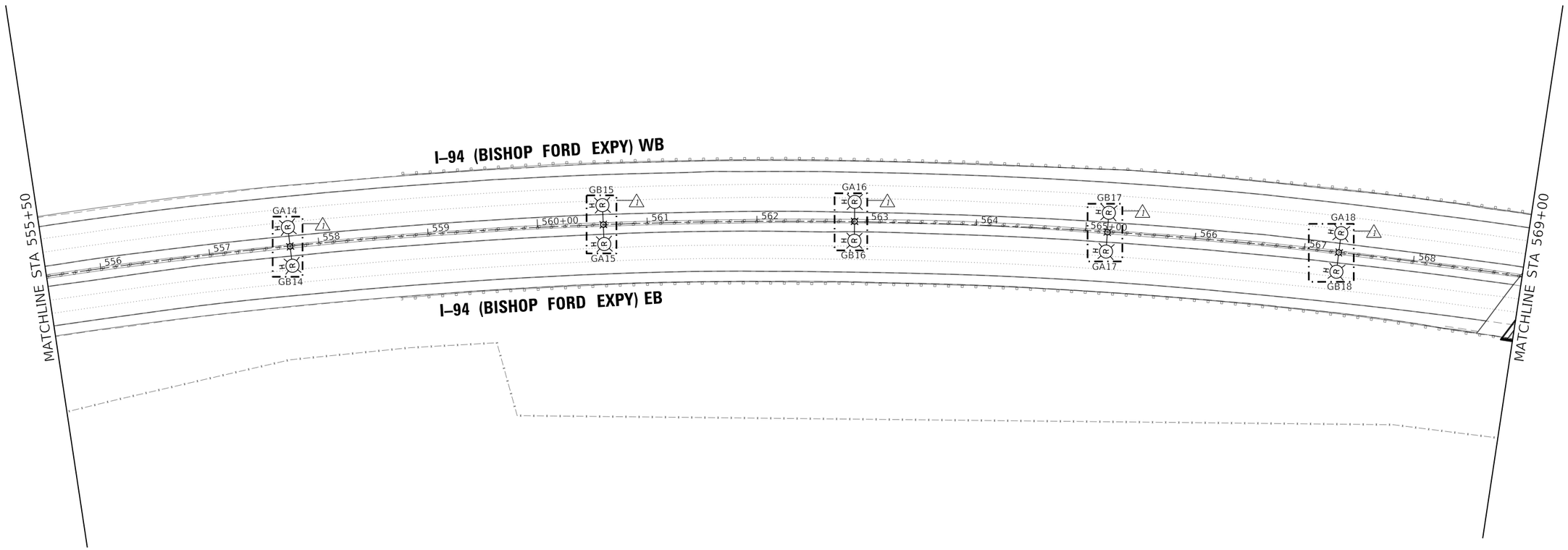
| | | | |
|---|---|---|---|
| USER NAME = hbmepw11ics01$ | DESIGNED - FPE | REVISED - 1 4/8/2025 LNK | |
| | DRAWN - LNK | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - JMO | REVISED - | |
| PLOT DATE = 4/10/2025 | DATE - 12/9/2024 | REVISED - | |

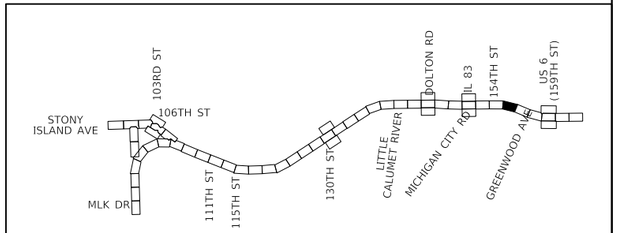
**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**LIGHTING PLAN**
**I-94 (BISHOP FORD EXPY)**

SCALE: | SHEET 12 OF 22 SHEETS | STA. 542+00 TO STA. 555+50

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 94 | (42-B-11-1) BR, BJR 24 | COOK | 761 | 414 |
| | | CONTRACT NO. 62W87 | | |
| | | ILLINOIS | FED. AID PROJECT | |




## KEY MAP

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| ABNA DESIGN FIRM REG. 184.002117 745 McClintock Drive Suite 210 Burr Ridge, IL 60527 Ph. 773-881-4788 www.abnacorp.com | USER NAME = hbmepw11ics01$ | DESIGNED - FPE | REVISED - 1 4/8/2025 LNK | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | LIGHTING PLAN I-94 (BISHOP FORD EXPY) | F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | | DRAWN - LNK | REVISED - | | | 94 | (42-B-11-1) BR, BJR 24 | COOK | 761 | 415 |
| | PLOT SCALE = 100.0000 ' / in. | CHECKED - JMO | REVISED - | | | | | CONTRACT NO. 62W87 | | |
| | PLOT DATE = 4/10/2025 | DATE - 12/9/2024 | REVISED - | | SCALE: SHEET 13 OF 22 SHEETS STA. 555+50 TO STA. 569+00 | | ILLINOIS | FED. AID PROJECT | | |

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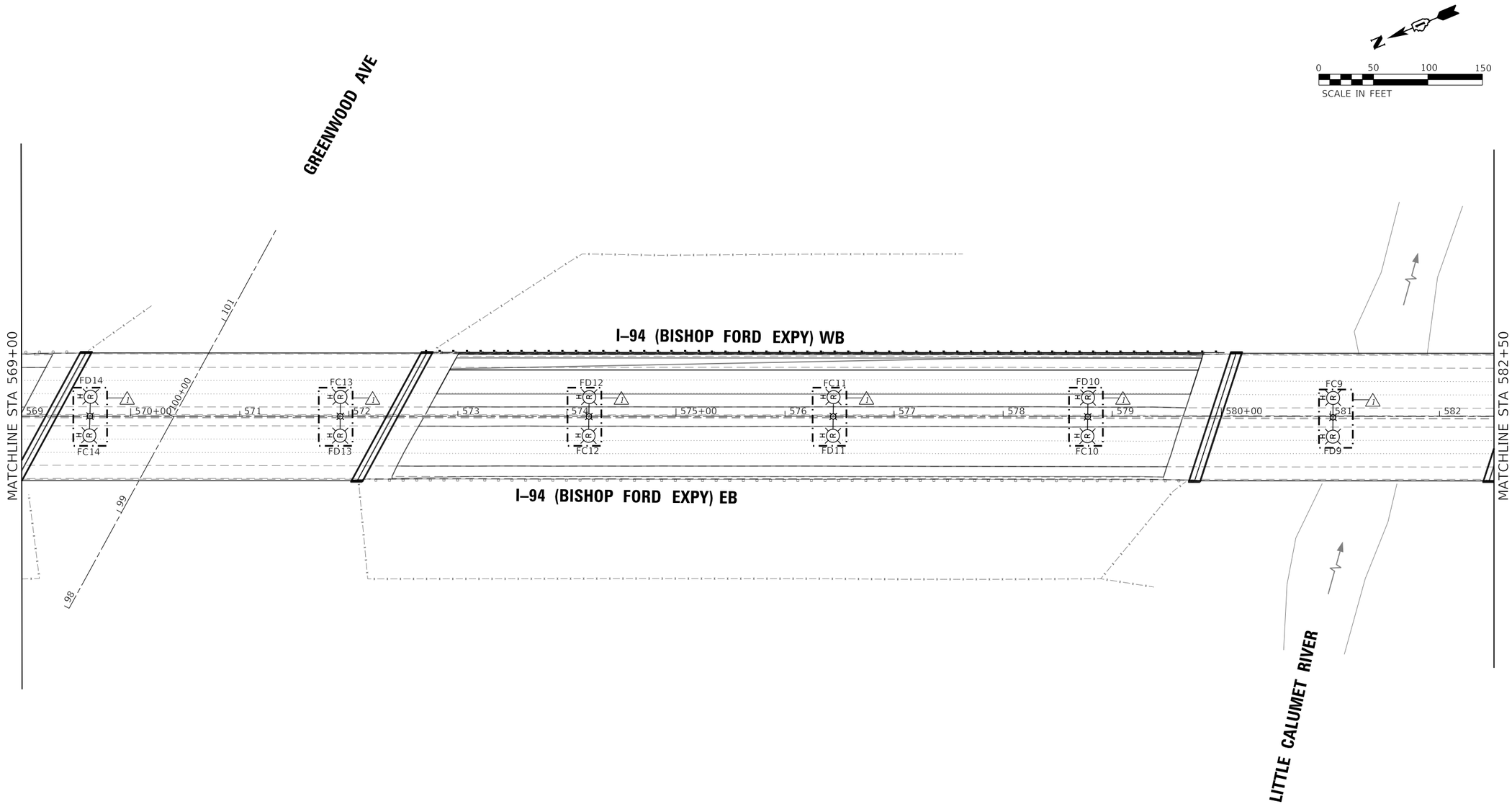


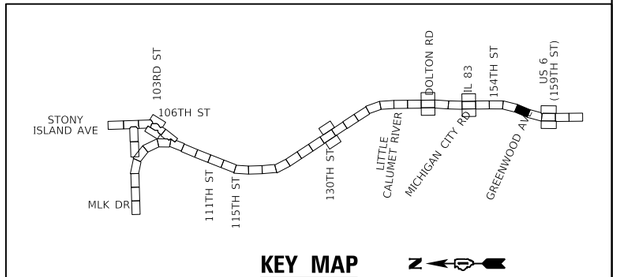


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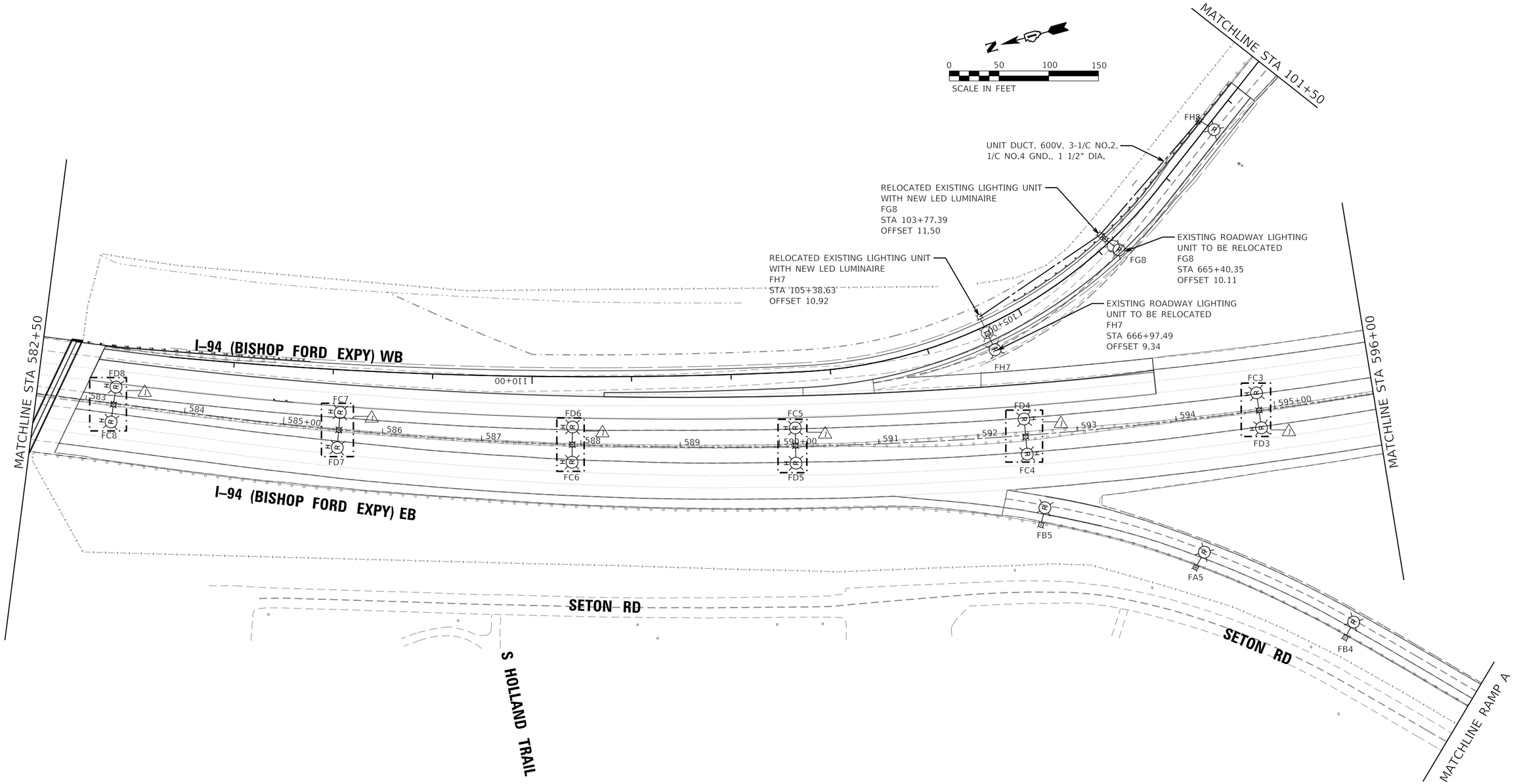
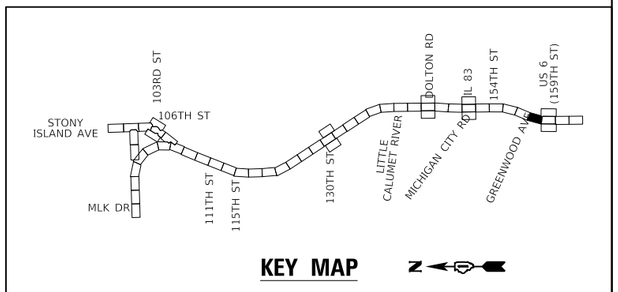
|---|---|---|---|---|---|---|---|---|---|
| ABNA DESIGN FIRM REG. 184.002117 745 McClintock Drive Suite 210 Burr Ridge, IL 60527 Ph. 773-881-4788 www.abnacorp.com | USER NAME = hbmepw11ics01$ | DESIGNED - FPE | REVISED - 1 4/8/2025 LNK | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | LIGHTING PLAN I–94 (BISHOP FORD EXPY) | F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | | DRAWN - LNK | REVISED - | | | 94 | (42-B-11-1) BR, BJR 24 | COOK | 761 | 416 |
| | PLOT SCALE = 100.0000 ' / in. | CHECKED - JMO | REVISED - | | | | | CONTRACT NO. 62W87 | | |
| | PLOT DATE = 4/10/2025 | DATE - 12/9/2024 | REVISED - | | SCALE: SHEET 14 OF 22 SHEETS STA. 569+00 TO STA. 582+50 | | | ILLINOIS | FED. AID PROJECT | |

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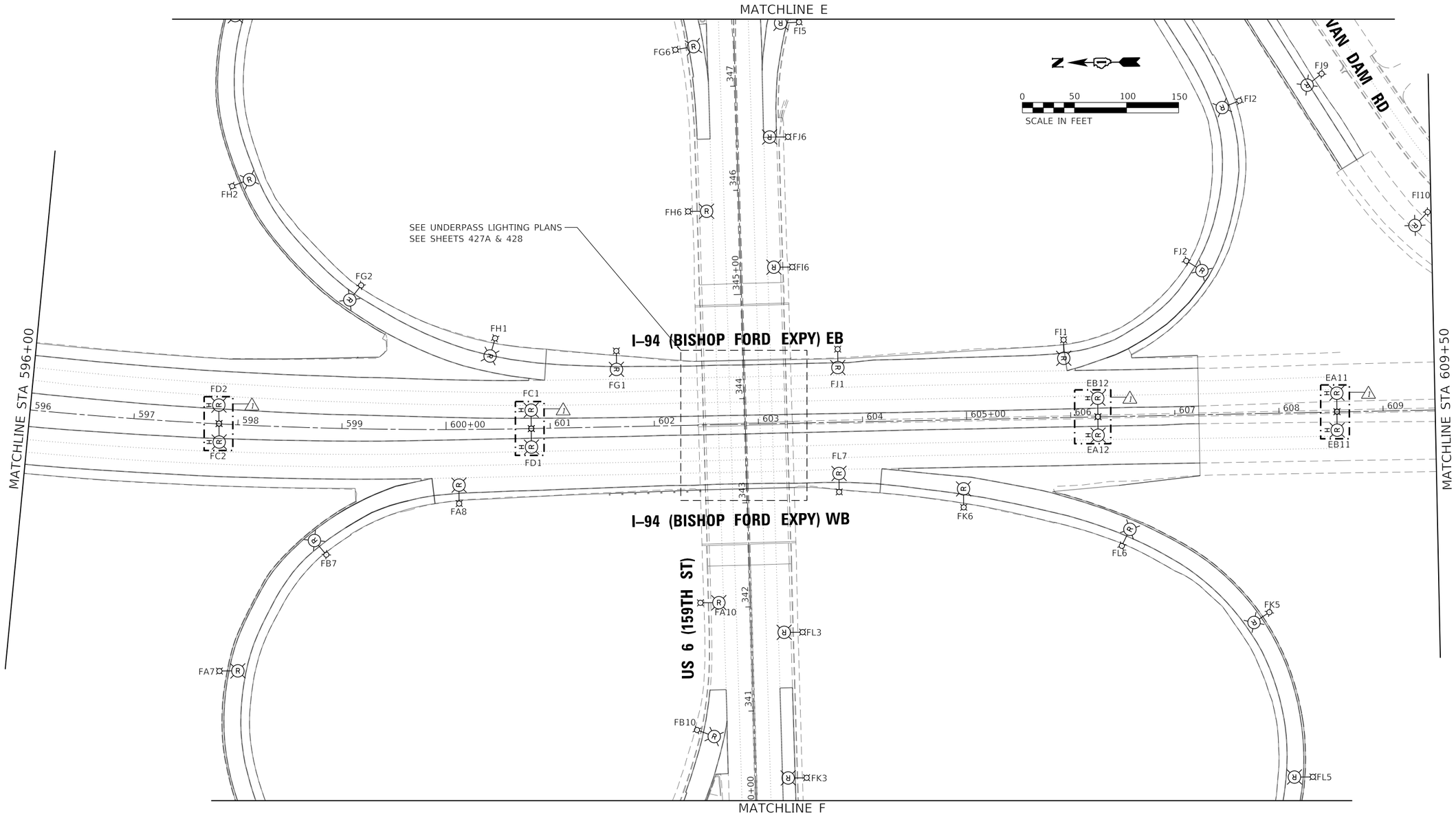
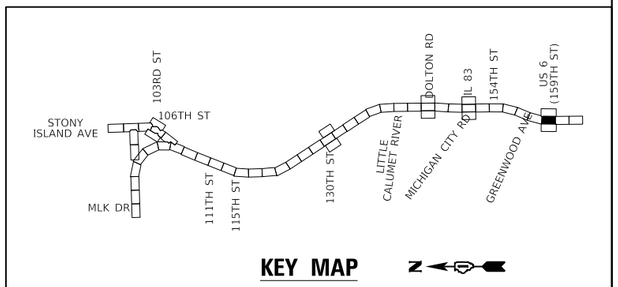
| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| ABNA DESIGN FIRM REG. 184.002117 745 McClintock Drive Suite 210 Burr Ridge, IL 60527 Ph. 773-881-4788 www.abnacorp.com | USER NAME = hbmepw11ics01$ | DESIGNED - FPE | REVISED - 1 4/8/2025 LNK | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | LIGHTING PLAN I-94 (BISHOP FORD EXPY) | F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS / SHEET NO. |
| | | DRAWN - LNK | REVISED - | | | 94 | (42-B-11-1) BR, BJR 24 | COOK | 761 / 417 |
| | PLOT SCALE = 100.0000 ' / in. | CHECKED - JMO | REVISED - | | | CONTRACT NO. 62W87 | | | |
| | PLOT DATE = 4/10/2025 | DATE - 12/9/2024 | REVISED - | | SCALE: SHEET 15 OF 22 SHEETS STA. 582+50 TO STA. 596+00 | ILLINOIS | FED. AID PROJECT | | |




**KEY MAP**

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ABNA DESIGN FIRM REG. 184.002117
745 McClintock Drive
Suite 210
Burr Ridge, IL 60527
Ph. 773-881-4788
www.abnacorp.com

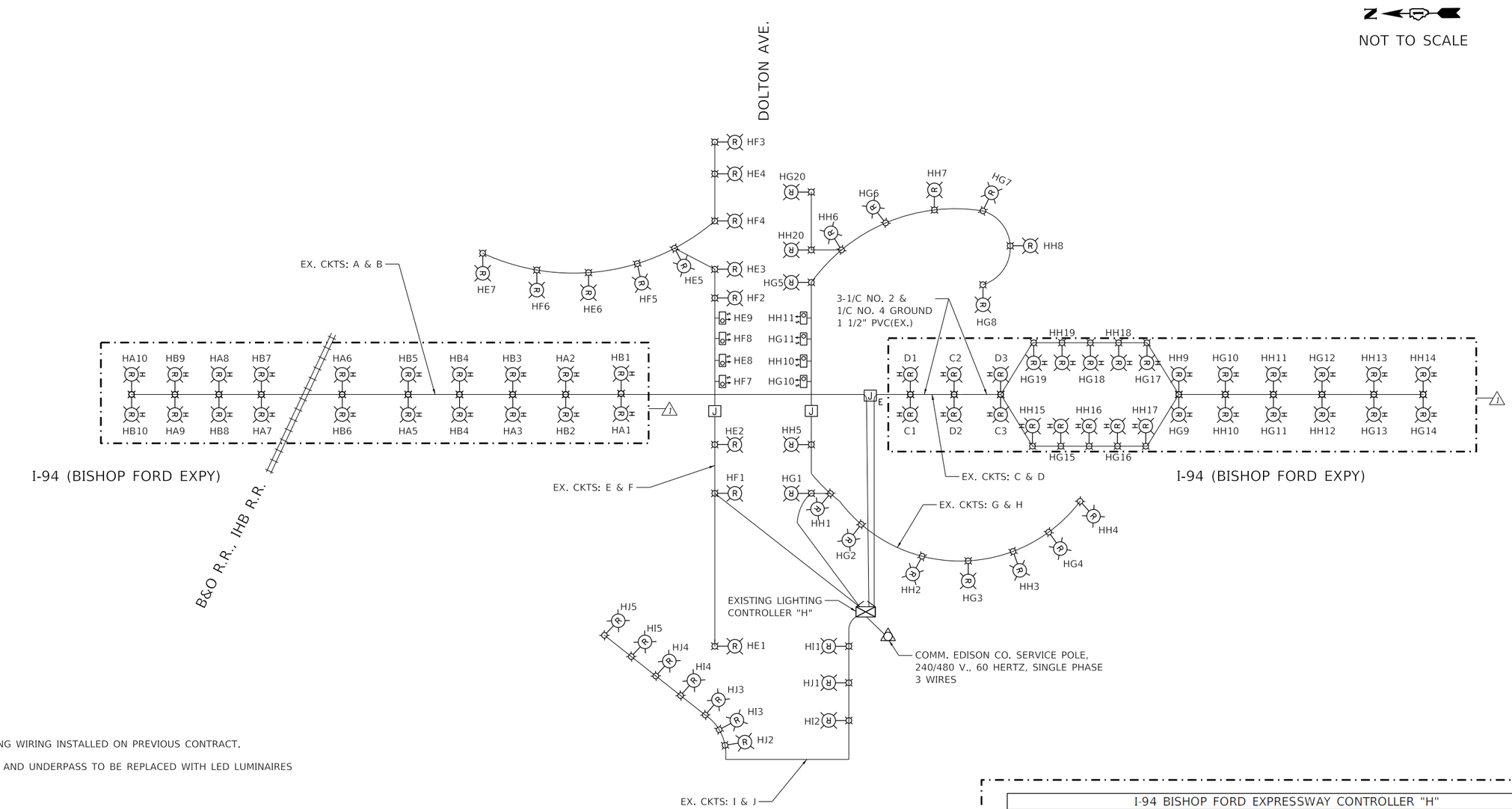
| | | | |
|---|---|---|---|
| USER NAME = hbmepw11ics01$ | DESIGNED - FPE | REVISED - 1 4/8/2025 LNK | |
| | DRAWN - LNK | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - JMO | REVISED - | |
| PLOT DATE = 4/10/2025 | DATE - 12/9/2024 | REVISED - | |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**LIGHTING PLAN**
**I-94 (BISHOP FORD EXPY)**

SCALE: | SHEET 16 OF 22 SHEETS | STA. 596+00 TO STA. 609+50

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 94 | (42-B-11-1) BR, BJR 24 | COOK | 761 | 418 |
| | | CONTRACT NO. 62W87 | | |
| | ILLINOIS | FED. AID PROJECT | | |




## NOTES:

1. LIGHTING SYSTEM, INCLUDING WIRING INSTALLED ON PREVIOUS CONTRACT.
2. LUMINAIRES FOR ROADWAY AND UNDERPASS TO BE REPLACED WITH LED LUMINAIRES

| I-94 BISHOP FORD EXPRESSWAY CONTROLLER "H" | | | | | | | |
|---|---|---|---|---|---|---|---|
| PHASE A | | | | PHASE B | | | |
| CIRCUIT | LUMINAIRE COUNT | TOTAL CURRENT AT 240V | TOTAL WATTS | CIRCUIT | LUMINAIRE COUNT | TOTAL CURRENT AT 240V | TOTAL WATTS |
| A | 10 | 11.8A | 2700W | B | 10 | 11.8A | 2700W |
| C | 3 | 3.6A | 810W | D | 3 | 3.6A | 810W |
| E | 9 | 5.8A | 1320W | F | 8 | 5.0A | 1150W |
| G | 22 | 20.3A | 4630W | H | 22 | 20.3A | 4630W |
| I | 5 | 3.7A | 850W | J | 5 | 3.7A | 850W |
| TOTAL: | 49 | 45.2A | 10310W | TOTAL: | 48 | 44.5A | 10140W |

CONTROLLER "H" TOTALS
AT 480: 42.6A 20450W

MODEL: Default
FILE NAME: \\bhmepw11ics01\CS_pdf_work_dir\30301468_79\0162453-sht-light-one line diagram-01.dgn

ABNA DESIGN FIRM REG. 184.002117
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Suite 210
Burr Ridge, IL 60527
Ph. 773-881-4788
www.abnacorp.com

| | | | |
|---|---|---|---|
| USER NAME = hbmepw11ics01$ | DESIGNED - FPE | REVISED - 1 4/8/2025 LNK | |
| | DRAWN - LNK | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - JMO | REVISED - | |
| PLOT DATE = 4/11/2025 | DATE - 12/9/2024 | REVISED - | |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**LIGHTING PLAN ONE LINE DIAGRAM CONTROLLER "H"**
**I-94 (BISHOP FORD EXPY)**

SCALE: SHEET 20 OF 22 SHEETS STA. TO STA.

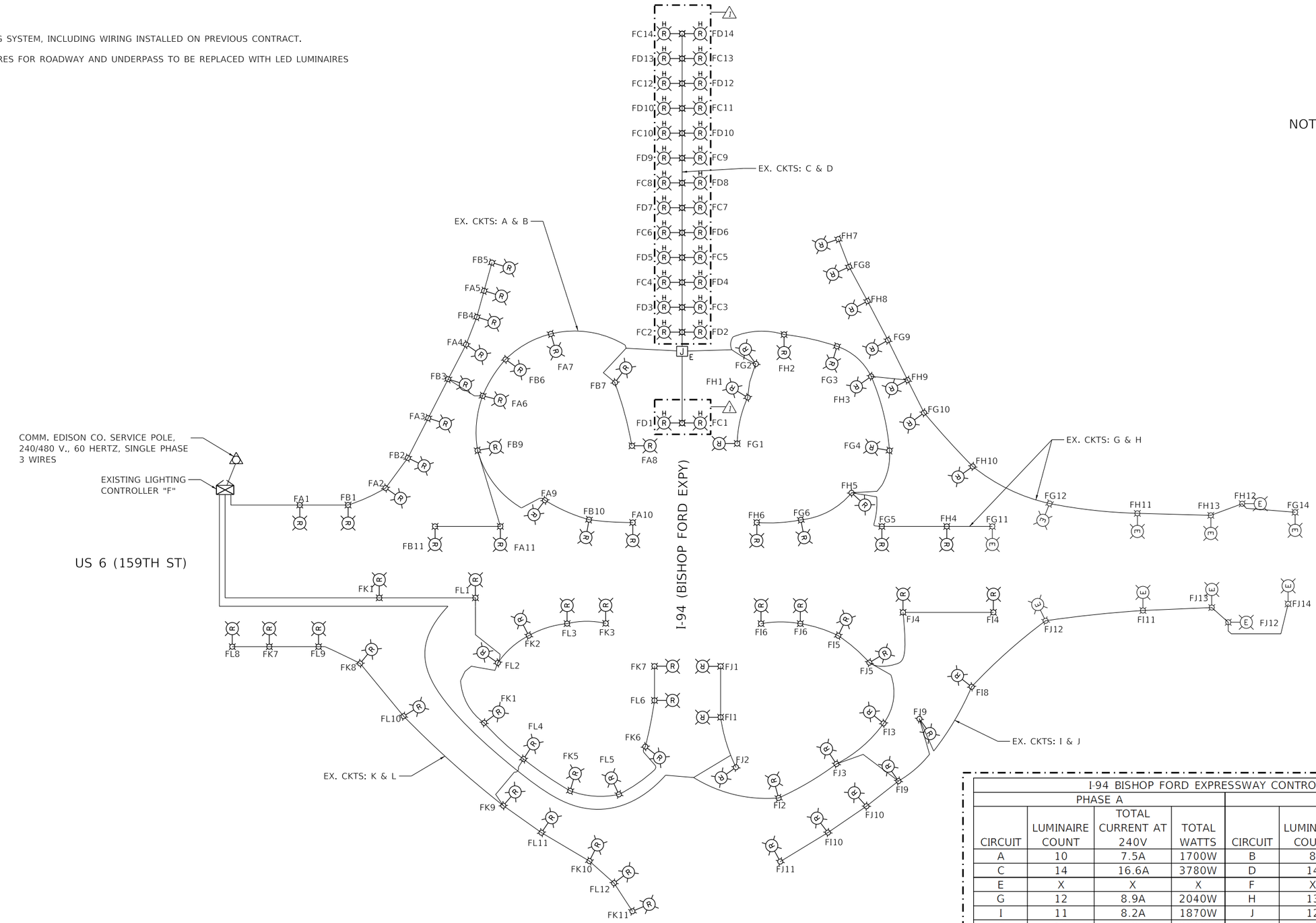
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 94 | (42-B-11-1) BR, BJR 24 | COOK | 761 | 422 |
| | | CONTRACT NO. 62W87 | | |
| | ILLINOIS | FED. AID PROJECT | | |

## NOTES:

1. LIGHTING SYSTEM, INCLUDING WIRING INSTALLED ON PREVIOUS CONTRACT.
2. LUMINAIRES FOR ROADWAY AND UNDERPASS TO BE REPLACED WITH LED LUMINAIRES

N

NOT TO SCALE




| I-94 BISHOP FORD EXPRESSWAY CONTROLLER "F" | | | | | | | |
|---|---|---|---|---|---|---|---|
| PHASE A | | | | PHASE B | | | |
| CIRCUIT | LUMINAIRE COUNT | TOTAL CURRENT AT 240V | TOTAL WATTS | CIRCUIT | LUMINAIRE COUNT | TOTAL CURRENT AT 240V | TOTAL WATTS |
| A | 10 | 7.5A | 1700W | B | 8 | 6.0A | 1360W |
| C | 14 | 16.6A | 3780W | D | 14 | 16.6A | 3780W |
| E | X | X | X | F | X | X | X |
| G | 12 | 8.9A | 2040W | H | 13 | 9.7A | 2210W |
| I | 11 | 8.2A | 1870W | J | 12 | 8.9A | 2040W |
| K | 12 | 8.9A | 2040W | L | 11 | 8.2A | 1870W |
| TOTAL: | 59 | 50.1A | 11430W | TOTAL: | 58 | 49.4A | 11260W |

CONTROLLER "F" TOTALS
AT 480: 47.3A 22690W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| | | | |
|---|---|---|---|
| USER NAME = hbmepw11ics01$ | DESIGNED - FPE | REVISED - 1 4/8/2025 LNK | |
| | DRAWN - LNK | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - JMO | REVISED - | |
| PLOT DATE = 4/10/2025 | DATE - 12/9/2024 | REVISED - | |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**LIGHTING PLAN ONE LINE DIAGRAM CONTROLLER "F**
**I-94 (BISHOP FORD EXPY)**

SCALE: SHEET 21 OF 22 SHEETS STA. TO STA.

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 94 | (42-B-11-1) BR, BJR 24 | COOK | 761 | 423 |
| | | CONTRACT NO. 62W87 | | |
| | | ILLINOIS FED. AID PROJECT | | |

MODEL: Default
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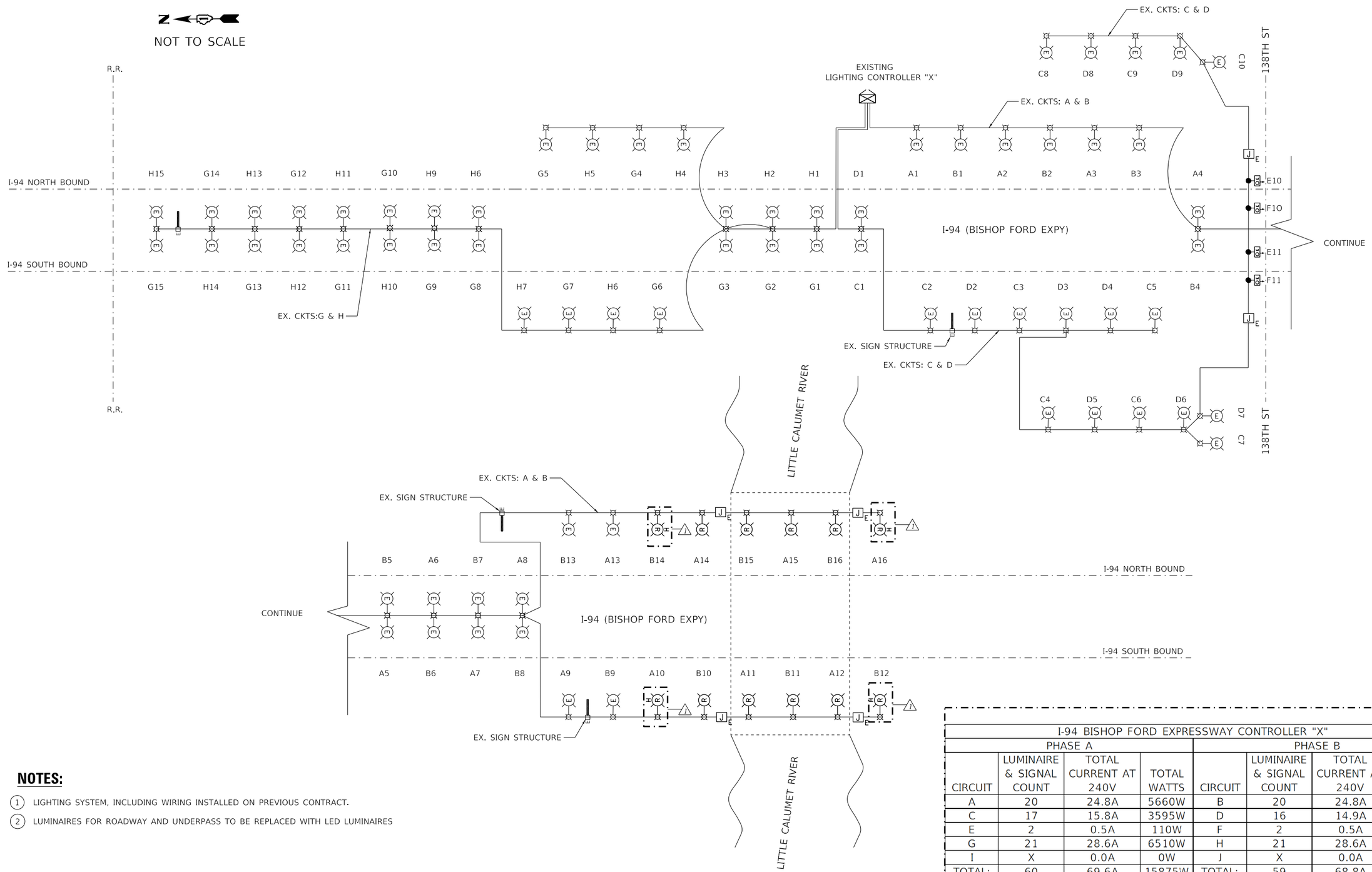


## NOTES:

1. LIGHTING SYSTEM, INCLUDING WIRING INSTALLED ON PREVIOUS CONTRACT.
2. LUMINAIRES FOR ROADWAY AND UNDERPASS TO BE REPLACED WITH LED LUMINAIRES

| I-94 BISHOP FORD EXPRESSWAY CONTROLLER "X" | | | | | | | |
|---|---|---|---|---|---|---|---|
| PHASE A | | | | PHASE B | | | |
| CIRCUIT | LUMINAIRE & SIGNAL COUNT | TOTAL CURRENT AT 240V | TOTAL WATTS | CIRCUIT | LUMINAIRE & SIGNAL COUNT | TOTAL CURRENT AT 240V | TOTAL WATTS |
| A | 20 | 24.8A | 5660W | B | 20 | 24.8A | 5660W |
| C | 17 | 15.8A | 3595W | D | 16 | 14.9A | 3395W |
| E | 2 | 0.5A | 110W | F | 2 | 0.5A | 110W |
| G | 21 | 28.6A | 6510W | H | 21 | 28.6A | 6510W |
| I | X | 0.0A | 0W | J | X | 0.0A | 0W |
| TOTAL: | 60 | 69.6A | 15875W | TOTAL: | 59 | 68.8A | 15675W |

CONTROLLER "X" TOTALS
AT 480: 65.7A 31550W

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Ph. 773-881-4788
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| | | | |
|---|---|---|---|
| USER NAME = hbmepw11ics01$ | DESIGNED - FPE | REVISED - 1 4/8/2025 LNK | |
| | DRAWN - LNK | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - JMO | REVISED - | |
| PLOT DATE = 4/10/2025 | DATE - 02/17/2025 | REVISED - | |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**LIGHTING PLAN ONE LINE DIAGRAM CONTROLLER "X"**
**I-94 (BISHOP FORD EXPY)**

SCALE: SHEET OF SHEETS STA. TO STA.

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 94 | (42-B-11-1) BR, BJR 24 | COOK | 761 | 424A |
| | | CONTRACT NO. 62W87 | | |
| | ILLINOIS | FED. AID PROJECT | | |

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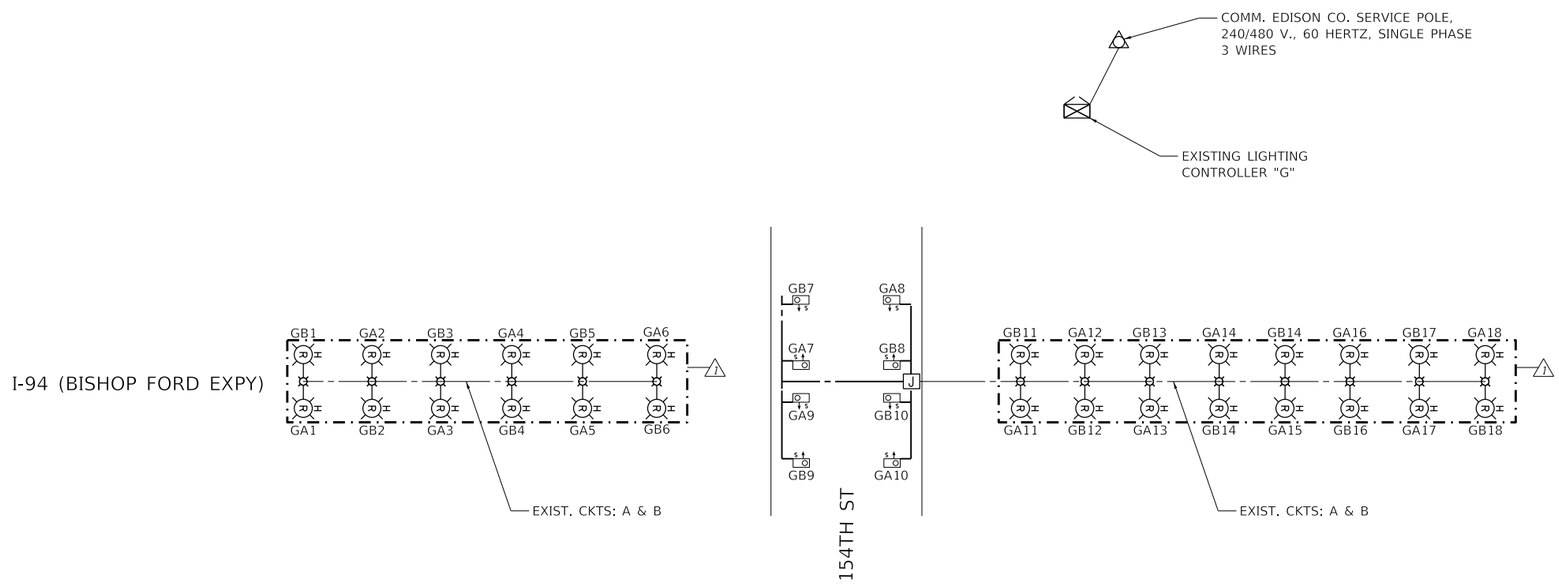


## NOTES:

1. LIGHTING SYSTEM, INCLUDING WIRING INSTALLED ON PREVIOUS CONTRACT.
2. LUMINAIRES FOR ROADWAY AND UNDERPASS TO BE REPLACED WITH LED LUMINAIRES

| I-94 BISHOP FORD EXPRESSWAY CONTROLLER "G" | | | | | | | |
|---|---|---|---|---|---|---|---|
| PHASE A | | | | PHASE B | | | |
| CIRCUIT | LUMINAIRE COUNT | TOTAL CURRENT AT 240V | TOTAL WATTS | CIRCUIT | LUMINAIRE COUNT | TOTAL CURRENT AT 240V | TOTAL WATTS |
| A | 18 | 17.7A | 4040W | B | 18 | 17.7A | 4040W |
| C | X | X | X | D | X | X | 0W |
| E | X | X | X | F | X | X | 0W |
| G | X | X | X | H | X | X | 0W |
| I | X | X | X | J | X | X | 0W |
| K | X | X | X | L | X | X | 0W |
| TOTAL: | 18 | 17.7A | 4040W | TOTAL: | 18 | 17.7A | 4040W |

CONTROLLER "G" TOTALS
AT 480: 16.8A 8080W


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| | | | |
|---|---|---|---|
| USER NAME = hbmepw11ics01$ | DESIGNED - FPE | REVISED - 1 4/8/2025 LNK | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION |
| | DRAWN - LNK | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - JMO | REVISED - | |
| PLOT DATE = 4/10/2025 | DATE - 12/9/2024 | REVISED - | |

**LIGHTING PLAN ONE LINE DIAGRAM CONTROLLER "G"**
**I-94 (BISHOP FORD EXPY)**

SCALE: SHEET 22 OF 22 SHEETS STA. TO STA.

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 94 | (42-B-11-1) BR, BJR 24 | COOK | 761 | 424 |
| | | CONTRACT NO. 62W87 | | |
| | | ILLINOIS FED. AID PROJECT | | |

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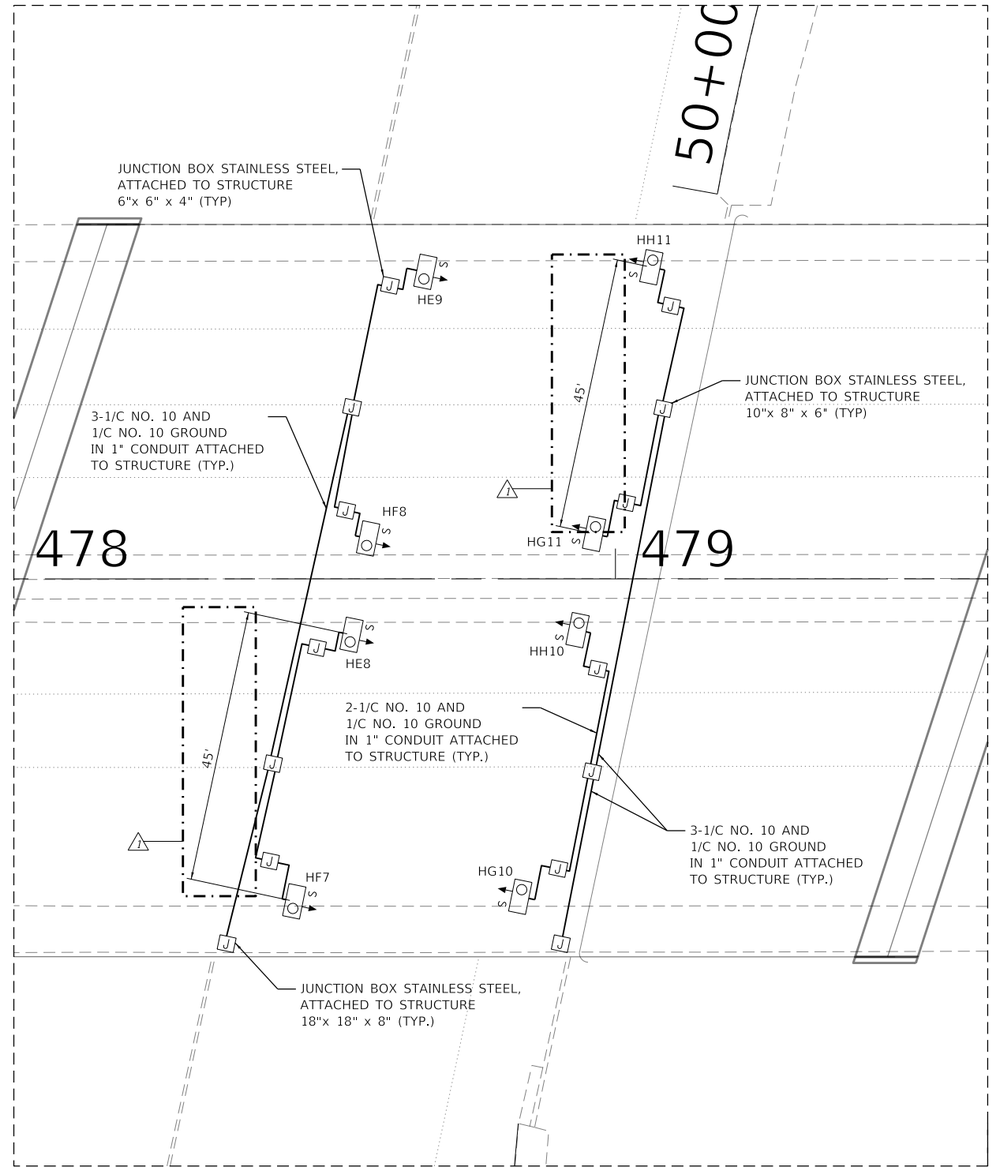


NOT TO SCALE

## NOTES:

1. THE EXISTING CABLE, CONDUIT, AND JUNCTION BOXES SHALL BE REPLACED WITH NEW CABLE, CONDUIT AND JUNCTION BOXES.
2. THE PROPOSED LED LUMINAIRES SHALL BE INSTALLED PER IDOT DISTRICT 1 STANDARDS (SUSPENDED MOUNT LED UNDERPASS LUMINAIRE INSTALLATION DETAILS, STANDARD BE-901).
3. THE PROPOSED UNDERPASS LIGHTING UNIT SHALL BE SPACED 8.5 FEET FROM THE EDGE OF THE BRIDGE ON BOTH SIDES AND 2 FEET FORM THE EDGE OF PAVEMENT
4. DIMENSIONS SHOWN ON THE PLANS SHALL BE FOLLOWED. DISTANCES SHALL NOT BE SCALED FROM THE PLANS.

I-94 (BISHOP FORD EXPY) OVER DOLTON AVE.
UNDERPASS LIGHTING

MODEL: Default
FILE NAME: \\bhmepw11ic-01\ICS_pdf_work_dir\302411468_1350162653-int-light028-4.dgn

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Suite 210
Burr Ridge, IL 60527
Ph. 773-881-4788
www.abnacorp.com

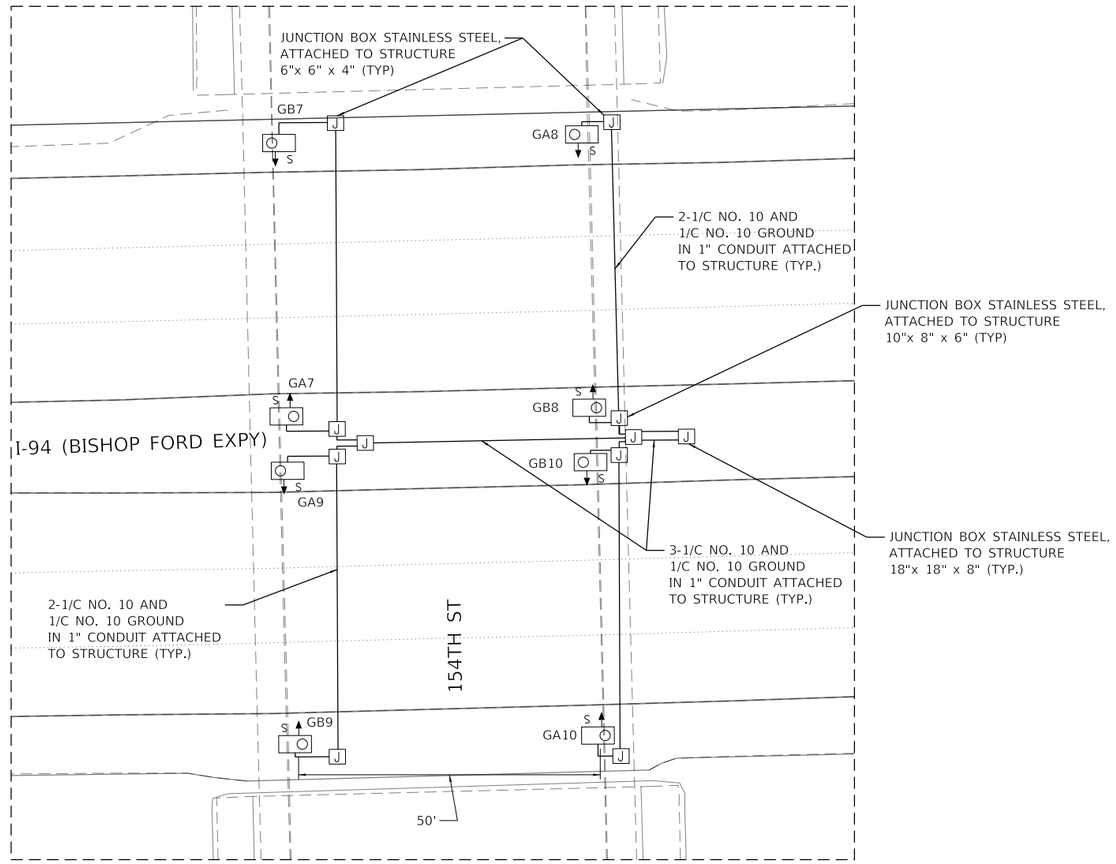
| | | | |
|---|---|---|---|
| USER NAME = hbmepw11ics01$ | DESIGNED - FPE | REVISED - 1 4/8/2025 LNK | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION |
| | DRAWN - LNK | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - JMO | REVISED - | |
| PLOT DATE = 4/10/2025 | DATE - 12/9/2024 | REVISED - | |

**LIGHTING PLAN PROPOSED UNDERPASS**
**I–94 (BISHOP FORD EXPY) OVER DOLTON AVE.**

SCALE: | SHEET 1 OF 1 SHEETS | STA. TO STA.

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 94 | (42-B-11-1) BR, BJR 24 | COOK | 761 | 426 |
| | | CONTRACT NO. 62W87 | | |
| | | ILLINOIS | FED. AID PROJECT | |

NOT TO SCALE




I-94 (BISHOP FORD EXPY) AND 154TH ST UNDERPASS LIGHTING

## NOTES:

1. THE EXISTING CABLE, CONDUIT, AND JUNCTION BOXES SHALL BE REPLACED WITH NEW CABLE, CONDUIT AND JUNCTION BOXES.
2. THE PROPOSED LED LUMINAIRES SHALL BE INSTALLED PER IDOT DISTRICT 1 STANDARDS (SUSPENDED MOUNT LED UNDERPASS LUMINAIRE INSTALLATION DETAILS, STANDARD BE-901).
3. THE PROPOSED UNDERPASS LIGHTING UNIT SHALL BE SPACED 6 FEET FROM THE EDGE OF THE BRIDGE ON BOTH SIDES AND 2 FEET FORM THE EDGE OF PAVEMENT
4. DIMENSIONS SHOWN ON THE PLANS SHALL BE FOLLOWED. DISTANCES SHALL NOT BE SCALED FROM THE PLANS.

1

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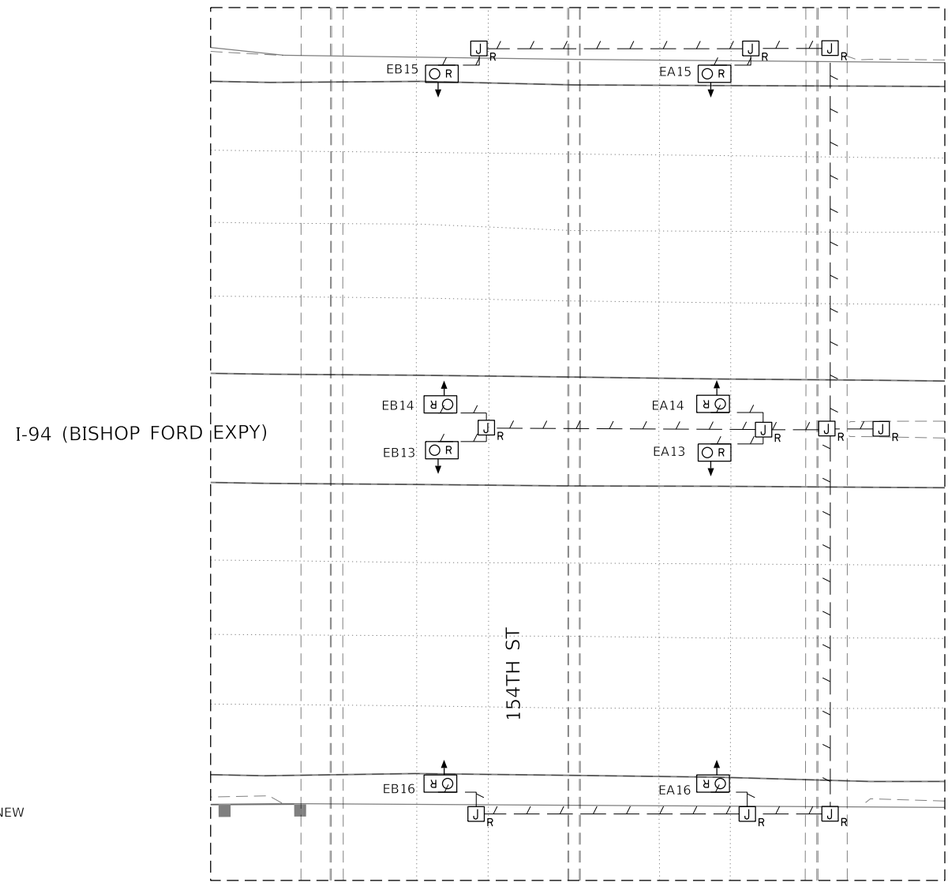
| | | | |
|---|---|---|---|
| USER NAME = hbmepw11fcs01$ | DESIGNED - FPE | REVISED - 1 4/8/2025 LNK | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION |
| | DRAWN - LNK | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - JMO | REVISED - | |
| PLOT DATE = 4/10/2025 | DATE - 12/9/2024 | REVISED - | |

**LIGHTING PLAN PROPOSED UNDERPASS**
**I–94 (BISHOP FORD EXPY) AND 154TH ST**

SCALE: | SHEET 1 OF 1 SHEETS | STA. TO STA.

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 94 | (42-B-11-1) BR, BJR 24 | COOK | 761 | 427 |
| | | CONTRACT NO. 62W87 | | |
| | | ILLINOIS | FED. AID PROJECT | |

NOT TO SCALE




I-94 (BISHOP FORD EXPY) AND US 6 (159TH ST) UNDERPASS LIGHTING

## NOTE:

1. THE EXISTING CABLE, CONDUIT, AND JUNCTION BOXES SHALL BE REPLACED WITH NEW CABLE, CONDUIT AND JUNCTION BOXES.

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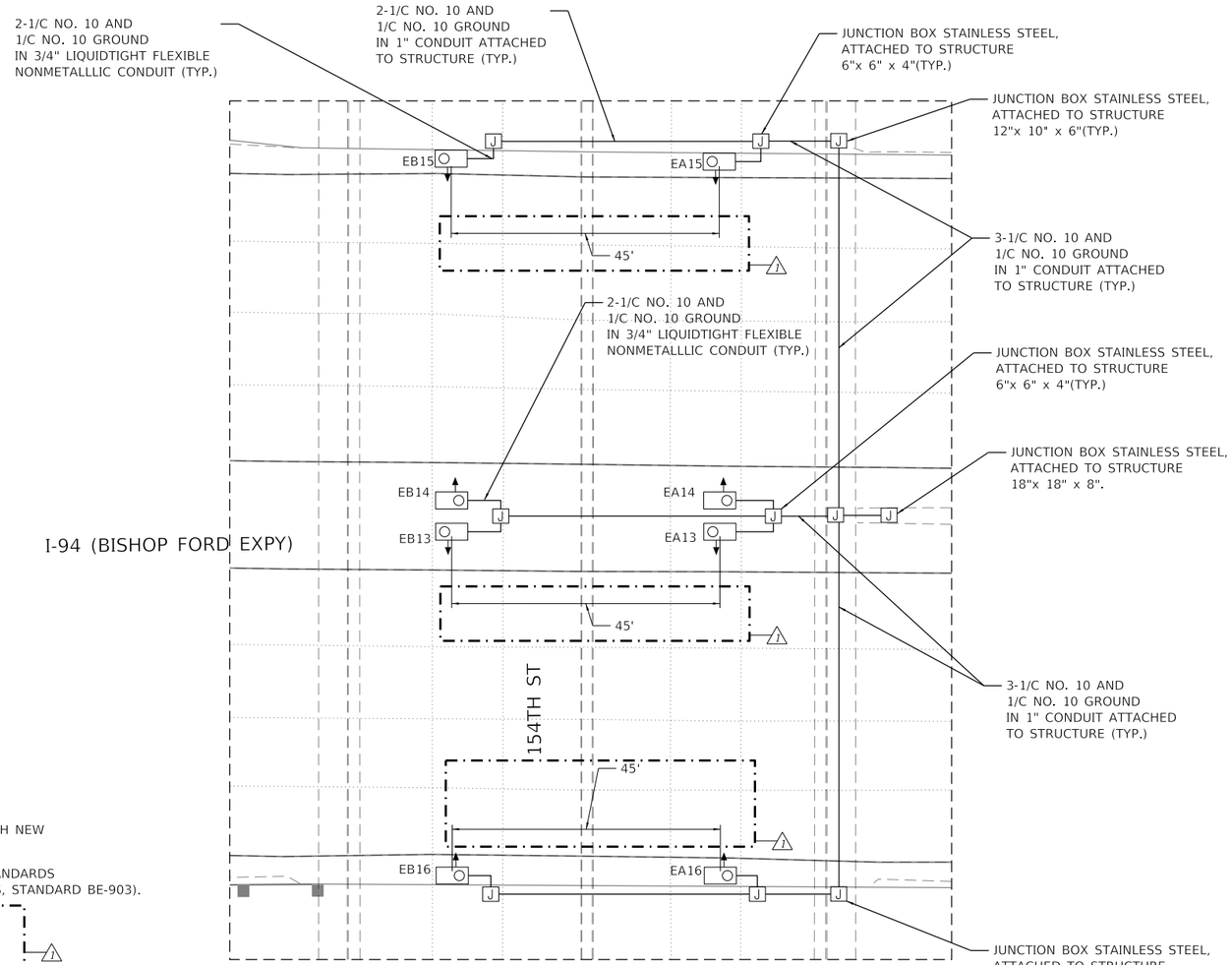
| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| ABNA DESIGN FIRM REG. 184.002117 745 McClintock Drive Suite 210 Burr Ridge, IL 60527 Ph. 773-881-4788 www.abnacorp.com | USER NAME = hbmepw11ics01$ | DESIGNED - FPE | REVISED - 1 4/8/2025 LNK | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | LIGHTING PLAN EXISTING UNDERPASS I–94 (BISHOP FORD EXPY) AND US 6 (159TH ST) | F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | | DRAWN - LNK | REVISED - | | | 94 | (42-B-11-1) BR, BJR 24 | COOK | 761 | 427A 1 |
| | PLOT SCALE = 100.0000 ' / in. | CHECKED - JMO | REVISED - | | | | | CONTRACT NO. 62W87 | | |
| | PLOT DATE = 4/11/2025 | DATE - 12/6/2024 | REVISED - | | SCALE: SHEET 1 OF 1 SHEETS STA. TO STA. | | ILLINOIS | FED. AID PROJECT | | |

NOT TO SCALE




I-94 (BISHOP FORD EXPY) AND US 6 (159TH ST) UNDERPASS LIGHTING

## NOTES:

1. THE EXISTING CABLE, CONDUIT, AND JUNCTION BOXES SHALL BE REPLACED WITH NEW CABLE, CONDUIT AND JUNCTION BOXES.
2. THE PROPOSED LED LUMINAIRES SHALL BE INSTALLED PER IDOT DISTRICT 1 STANDARDS (PIER / ABUTMENT MOUNTED LED UNDERPASS LUMINAIRE INSTALLATION DETAILS, STANDARD BE-903).
3. THE PROPOSED UNDERPASS LIGHTING UNIT SHALL BE SPACED 23 FEET FROM THE EDGE OF THE BRIDGE ON BOTH SIDES.
4. DIMENSIONS SHOWN ON THE PLANS SHALL BE FOLLOWED. DISTANCES SHALL NOT BE SCALED FROM THE PLANS.

1

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|---|---|---|---|
| USER NAME = hbmepw11lics01$ | DESIGNED - FPE | REVISED - 1 4/8/2025 LNK | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION |
| | DRAWN - LNK | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - JMO | REVISED - | |
| PLOT DATE = 4/10/2025 | DATE - 12/6/2024 | REVISED - | |

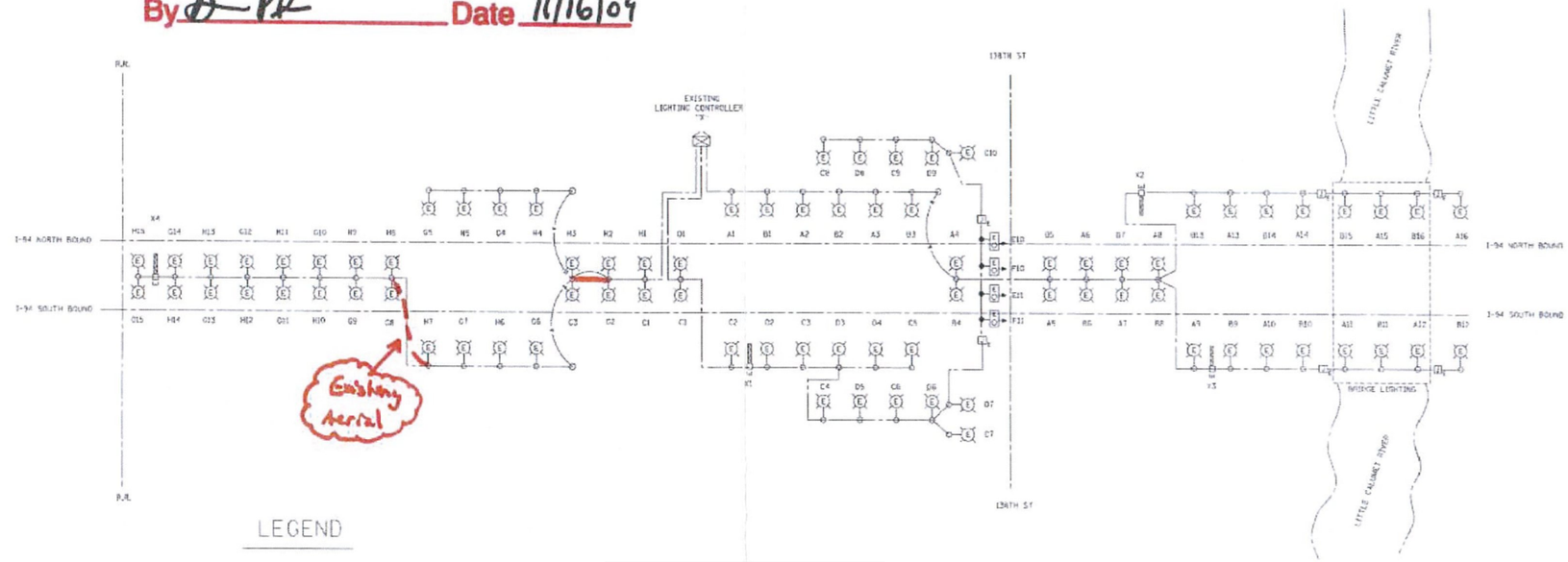
**LIGHTING PLAN PROPOSED UNDERPASS**
**I–94 (BISHOP FORD EXPY) AND US 6 (159TH ST)**

SCALE: | SHEET 1 OF 1 SHEETS | STA. TO STA.

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 94 | (42-B-11-1) BR, BJR 24 | COOK | 761 | 428 |
| | | CONTRACT NO. 62W87 | | |
| | | ILLINOIS FED. AID PROJECT | | |

RECORD DRAWING
MEADE ELECTRIC COMPANY, INC

By [illegible] Date 11/16/09




## LEGEND

- EXISTING UNIT DUCT
- EXISTING UNIT DUCT
- PROPOSED UNIT DUCT 3-1/C NO. 4 AND 1-1/C NO. 6 GND. (EPR-TYP RHW), 1 1/4" DIA POLYETHYLENE
- EXISTING LIGHTING UNIT
- EXISTING LIGHTING CONTROLLER "X"
- EXISTING JUNCTION BOX
- EXISTING SIGN STRUCTURE
- EXISTING UNDERPASS LIGHTING UNIT
- SPLICE

**FOR INFORMATION ONLY**

## GENERAL NOTES:

1. ALL WORK MUST MEET CURRENT NATIONAL ELECTRIC CODE AND DISTRICT ONE GENERAL GUIDELINES
2. A MAINTENANCE TRANSFER MUST TAKE PLACE BEFORE ANY WORK CAN BE DONE.
3. UNDERGROUND SPLICING OF CABLES IS NOT PERMITTED. SPLICING SHALL BE ACCOMPLISHED IN THE LIGHT POLES.

| FILE NAME = | USER NAME = pw2lawma | DESIGNED - | REVISED - |
|---|---|---|---|
| | | DRAWN - | REVISED - |
| | PLOT SCALE = 50.0000 ' / IN. | CHECKED - | REVISED - |
| | PLOT DATE = 11/20/2009 | DATE - | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ONE-LINE DIAGRAM & GENERAL NOTES
I-94 (BISHOP FORD EXPRESSWAY)
W. OF MLK DR. TO S. OF DOLTON AVE

SCALE: SHEET NO. OF SHEETS STA. TO STA.

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | | | | |
| | | CONTRACT NO. | | |
| | | ILLINOIS FED. AID PROJECT | | |

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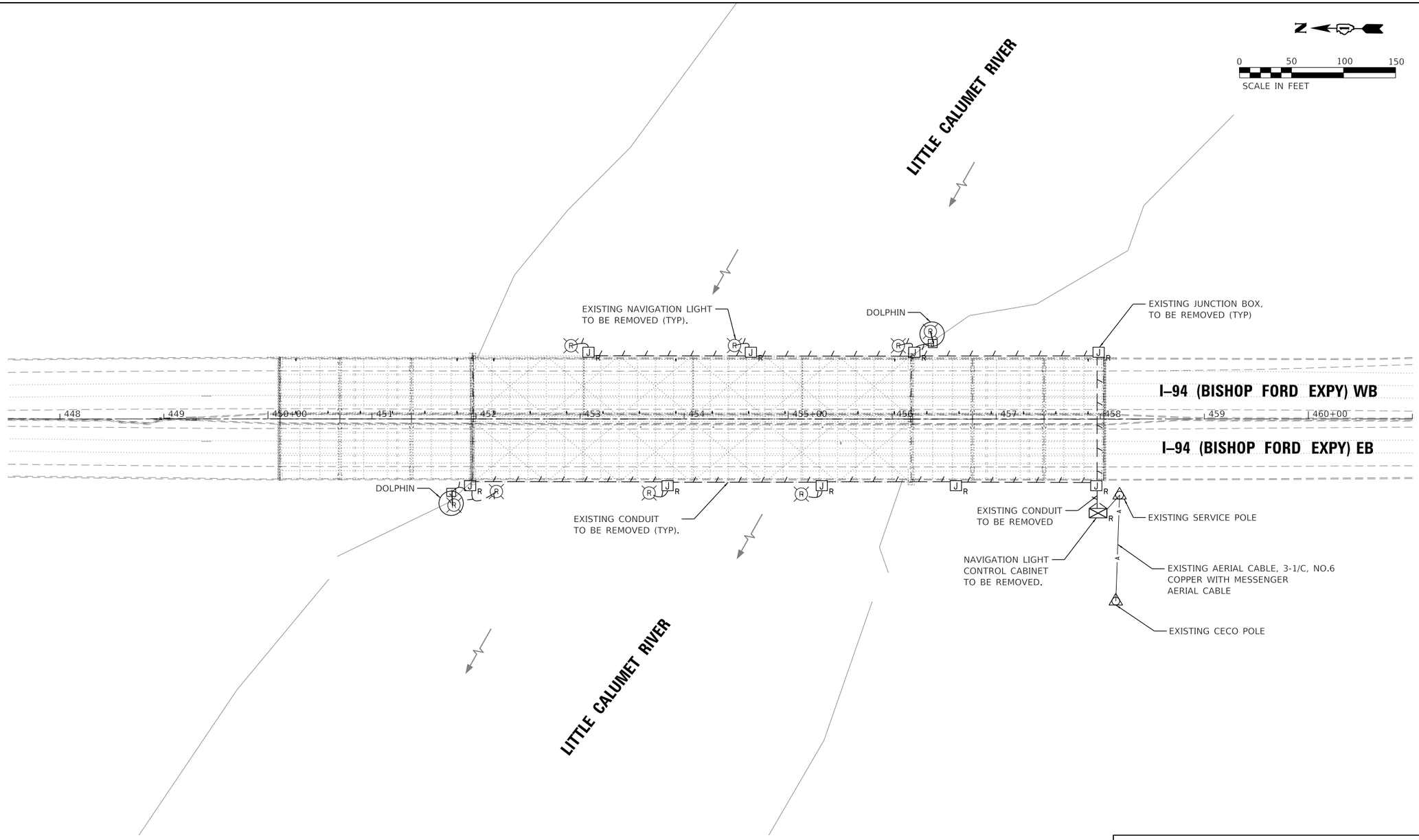
| USER NAME = hbmepw11ics01$ | DESIGNED - FPE | REVISED - 1 4/8/2025 LNK |
|---|---|---|
| | DRAWN - LNK | REVISED - |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - FPE | REVISED - |
| PLOT DATE = 4/11/2025 | DATE - 02/08/2025 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING ONE LINE DIAGRAM CONTROLLER "X"
I-94 (BISHOP FORD EXPY)

SCALE: SHEET OF SHEETS STA. TO STA.

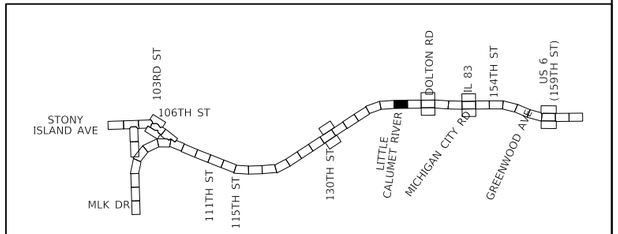
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 94 | (42-B-11-1) BR, BJR 24 | COOK | 761 | 428D 1 |
| | | CONTRACT NO. 62W87 | | |
| | | ILLINOIS FED. AID PROJECT | | |




## NOTES:

1. EXISTING NAVIGATION LIGHTING UNIT TO BE REMOVED AND ALL ASSOCIATED CONDUIT, CABLE, JUNCTION BOXES.
2. THE CONTRACTOR SHALL OBTAIN COAST GUARD APPROVAL FOR ANY WORK THAT MAY INTERFERE WITH NAVIGATION OPERATIONS OF THE NAVIGABLE WATERS
3. A WORK PLAN SHALL BE PREPARED BY THE CONTRACTOR, REVIEWED AND APPROVED BY THE ENGINEER AND BE SUBMITTED BY THE ENGINEER TO THE COAST GUARD AT THE ADDRESS LISTED BELOW FOR APPROVAL.

BRIDGE ADMINISTRATOR
US COAST GUARD
NINTH COAST GUARD DISTRICT
1240 E. NINTH ST.
CLEVELAND, OH 441199-2060




**KEY MAP**

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Ph. 773-881-4788
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| | | | |
|---|---|---|---|
| USER NAME = hbmepw11ics01$ | DESIGNED - FPE | REVISED - 1 4/8/2025 LNK | |
| | DRAWN - LNK | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - FPE | REVISED - | |
| PLOT DATE = 4/11/2025 | DATE - 01/22/2025 | REVISED - | |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**LIGHTING PLAN EXISITNG NAVIGATION LIGHTING**
**I–94 (BISHOP FORD EXPY)**

SCALE: | SHEET 1 OF 8 SHEETS | STA. TO STA.

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 94 | (42-B-11-1) BR, BJR 24 | COOK | 761 | 428E 1 |
| | | CONTRACT NO. 62W87 | | |
| | ILLINOIS | FED. AID PROJECT | | |

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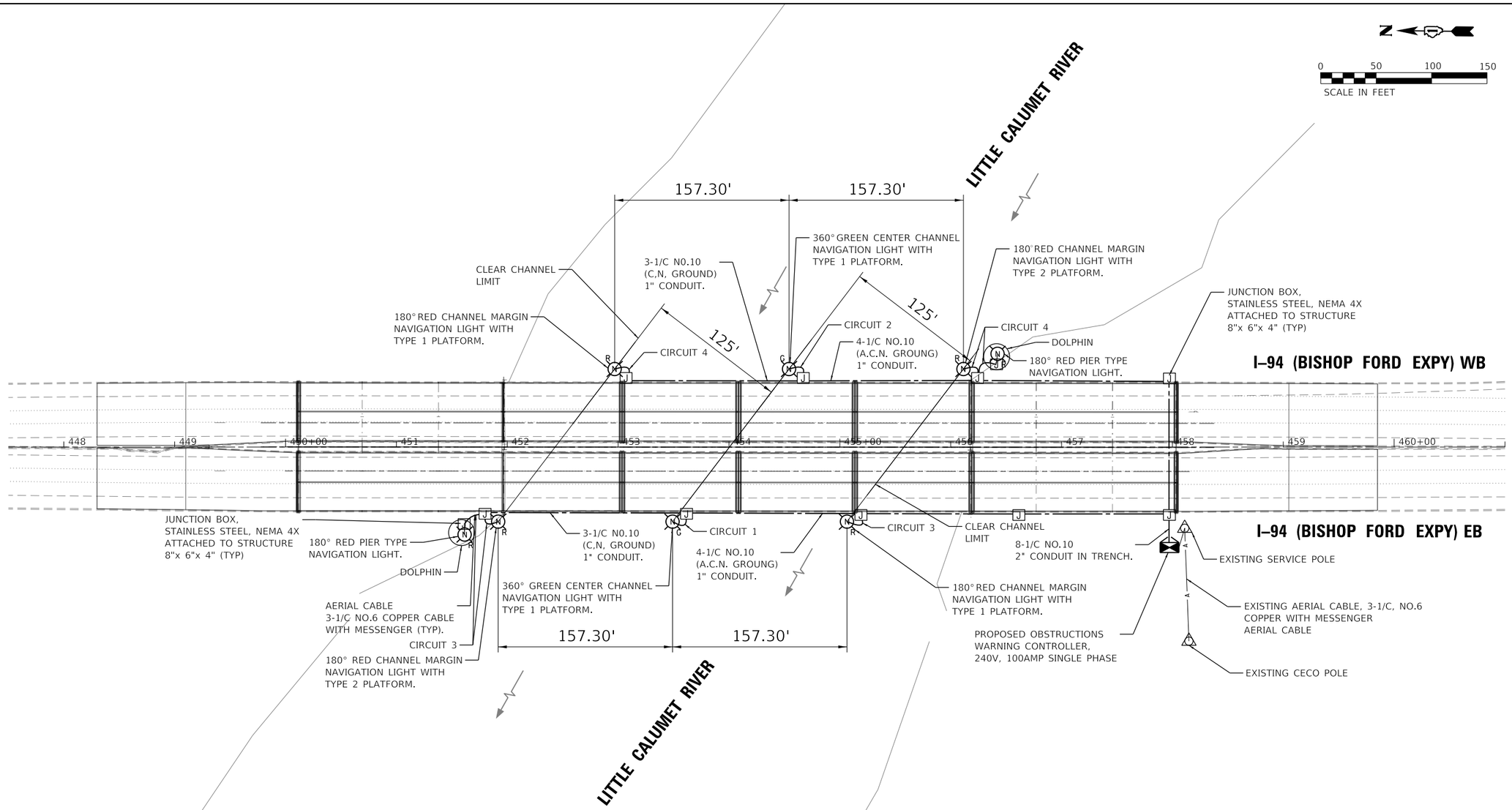
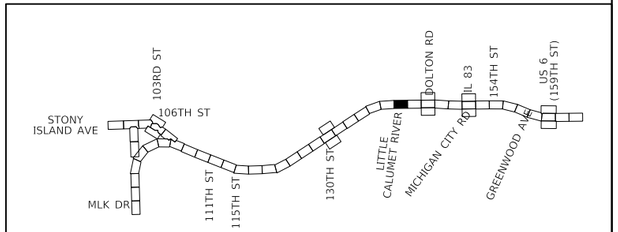



## NOTES:

1. THE EXISTING NAVIGATION LIGHTING SHALL REMAIN OPERATIONAL UNTIL THE PROPOSED NAVIGATION LIGHTING ARE INSTALLED AND OPERATIONAL.
2. THE PROPOSED NAVIGATION LIGHTING UNIT LOCATIONS AND SPACING SHALL MATCH THE EXISTING. CONTRACTOR SHALL FIELD VERIFY EXISTING LOCATIONS.
3. FOR MAINTENANCE OF THE NAVIGATION LIGHTING SYSTEM SEE THE SPECIAL PROVISION "MAINTENANCE OF LIGHTING SYSTEMS".
4. RECONNECT PROPOSED OBSTRUCTIONS WARNING CONTROLLER TO EXISTING SERVICE POLE.
5. THE CONTRACTOR SHALL OBTAIN COAST GUARD APPROVAL FOR ANY WORK THAT MAY INTERFERE WITH NAVIGATION OPERATIONS OF THE NAVIGABLE WATERS
6. A WORK PLAN SHALL BE PREPARED BY THE CONTRACTOR, REVIEWED AND APPROVED BY THE ENGINEER AND BE SUBMITTED BY THE ENGINEER TO THE COAST GUARD AT THE ADDRESS LISTED BELOW FOR APPROVAL.

   BRIDGE ADMINISTRATOR
   US COAST GUARD
   NINTH COAST GUARD DISTRICT
   1240 E. NINTH ST.
   CLEVELAND, OH 441199-2060




**KEY MAP**

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ABNA DESIGN FIRM REG. 184.002117
745 McClintock Drive Suite 210 Burr Ridge, IL 60527 Ph. 773-881-4788 www.abnacorp.com

| | | | |
|---|---|---|---|
| USER NAME = hbmepw11ics01$ | DESIGNED - FPE | REVISED - 1 4/8/2025 LNK | |
| | DRAWN - LNK | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - FPE | REVISED - | |
| PLOT DATE = 4/11/2025 | DATE - 01/22/2025 | REVISED - | |

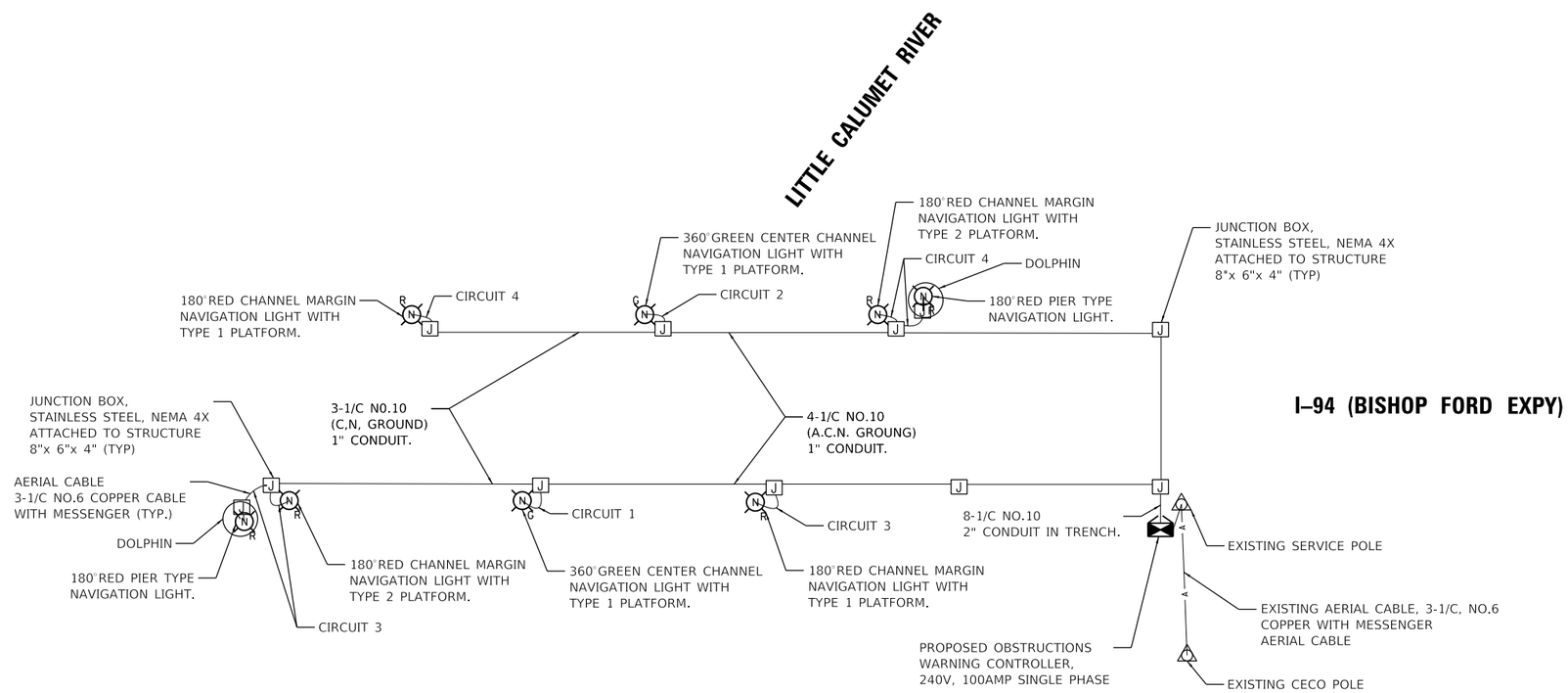
**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**LIGHTING PLAN PROPOSED NAVIGATION LIGHTING**
**I–94 (BISHOP FORD EXPY)**

SCALE: | SHEET 2 OF 8 SHEETS | STA. TO STA.

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 94 | (42-B-11-1) BR, BJR 24 | COOK | 761 | 428F 1 |
| | | CONTRACT NO. 62W87 | | |
| | ILLINOIS | FED. AID PROJECT | | |

NOT TO SCALE

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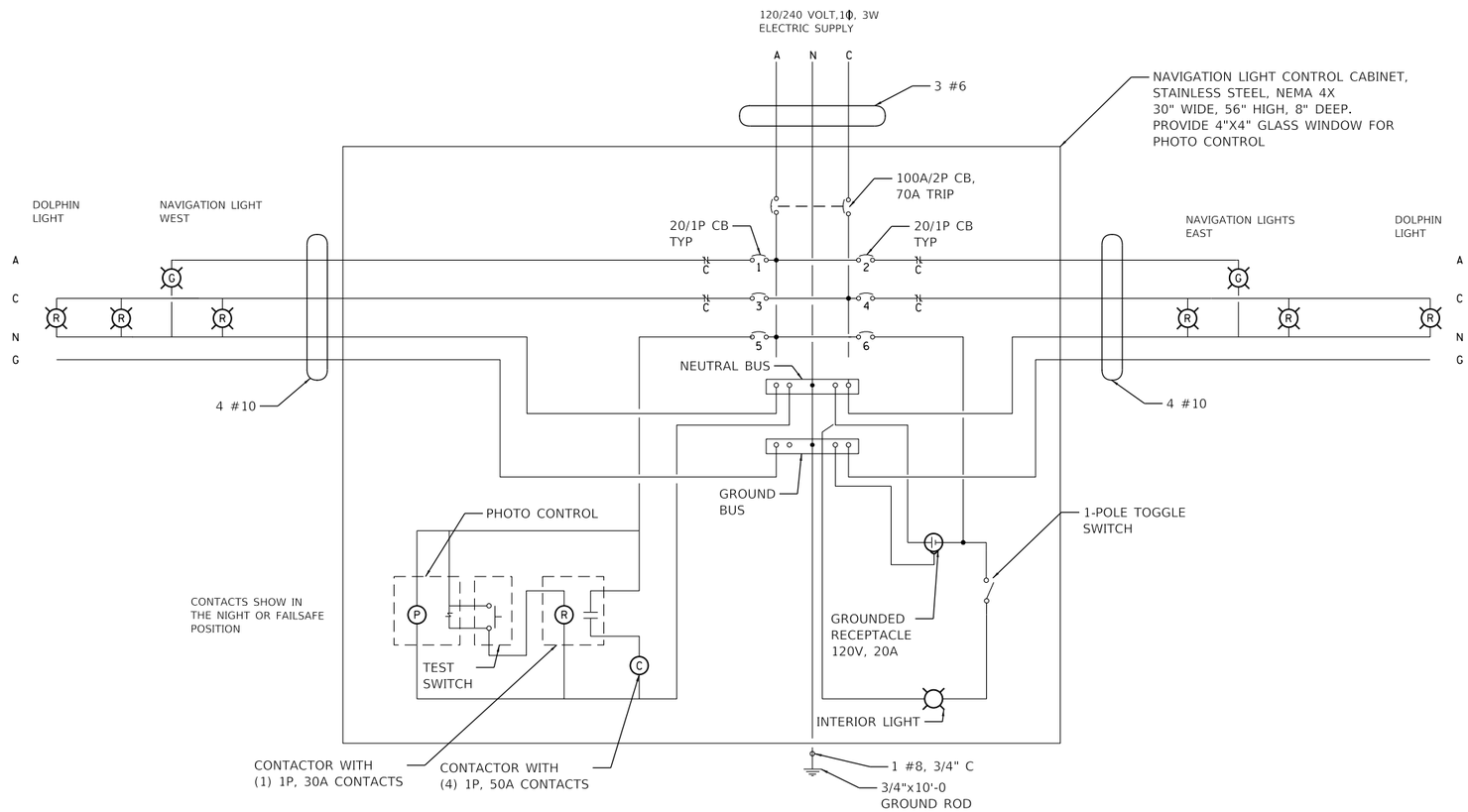
| | | | | | |
|---|---|---|---|---|---|
| ABNA DESIGN FIRM REG. 184.002117 745 McClintock Drive Suite 210 Burr Ridge, IL 60527 Ph. 773-881-4788 www.abnacorp.com | USER NAME = hbmepw11ics01$ | DESIGNED - FPE | REVISED - 1 4/8/2025 LNK | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | LIGHTING PLAN PROPOSED NAVIGATION ONE LINE DIADRAM I–94 (BISHOP FORD EXPY) |
| | | DRAWN - LNK | REVISED - | | |
| | PLOT SCALE = 100.0000 ' / in. | CHECKED - FPE | REVISED - | | |
| | PLOT DATE = 4/11/2025 | DATE - 01/22/2025 | REVISED - | | SCALE: SHEET 3 OF 8 SHEETS STA. TO STA. |

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 94 | (42-B-11-1) BR, BJR 24 | COOK | 761 | 428G 1 |
| | | CONTRACT NO. 62W87 | | |
| | ILLINOIS | FED. AID PROJECT | | |

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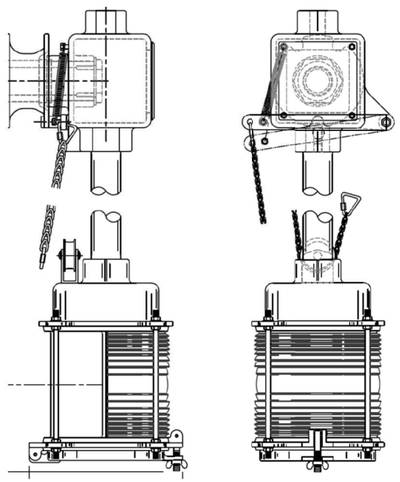
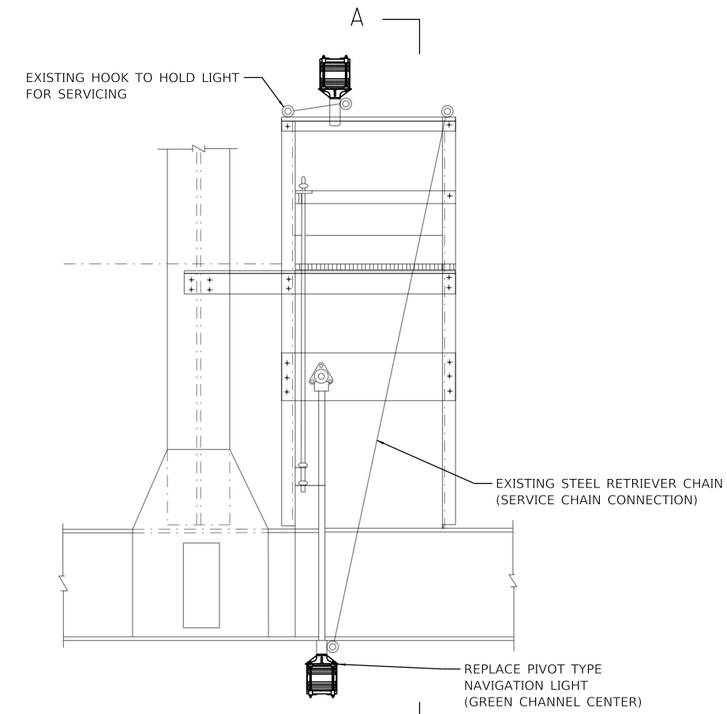
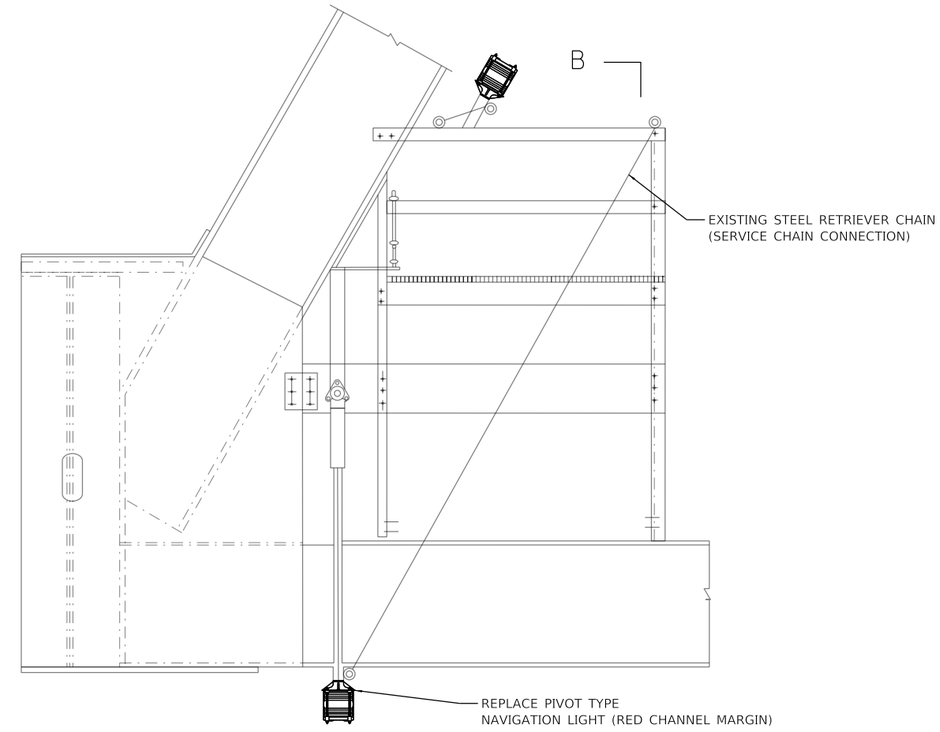
| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| ABNA DESIGN FRM REG. 184.002117 745 McClintock Drive Suite 210 Burr Ridge, IL 60527 Ph. 773-881-4788 www.abnacorp.com | USER NAME = hbmepw11ics01$ | DESIGNED - FPE | REVISED - 1 4/8/2025 LNK | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | LIGHTING PLAN PROPOSED NAVIGATION CONTROL CABINET I-94 (BISHOP FORD EXPY) | F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS / SHEET NO. |
| | | DRAWN - LNK | REVISED - | | | 94 | (42-B-11-1) BR, BJR 24 | COOK | 761 / 428H |
| | PLOT SCALE = 100.0000 ' / in. | CHECKED - FPE | REVISED - | | | | | CONTRACT NO. 62W87 | |
| | PLOT DATE = 4/11/2025 | DATE - 01/22/2025 | REVISED - | | SCALE: SHEET 4 OF 8 SHEETS STA. TO STA. | | ILLINOIS | FED. AID PROJECT | |



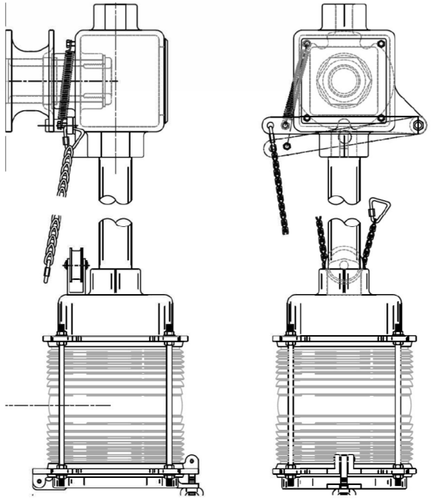
**RED CHANNEL MARGIN NAVIGATION LIGHT**
NOT TO SCALE



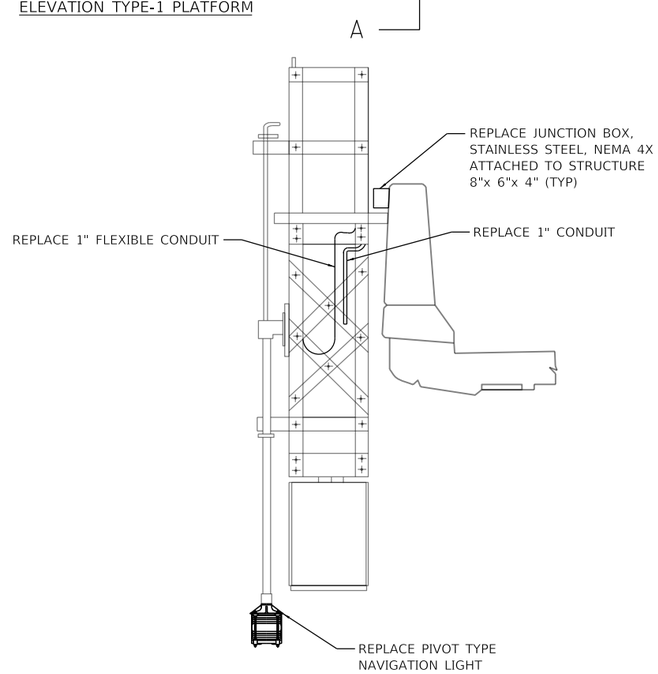

ELEVATION TYPE-1 PLATFORM



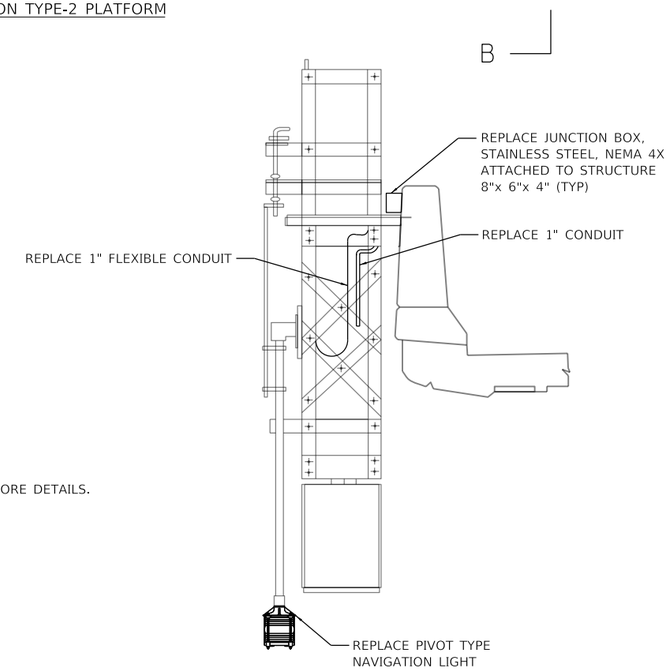

ELEVATION TYPE-2 PLATFORM



**GREEN CHANNEL CENTER NAVIGATION LIGHT**
NOT TO SCALE




SECTION A-A




SECTION B-B

**NOTE:**

(1) SEE SHEET 428L FOR MORE DETAILS.

1 ADDED SHEET

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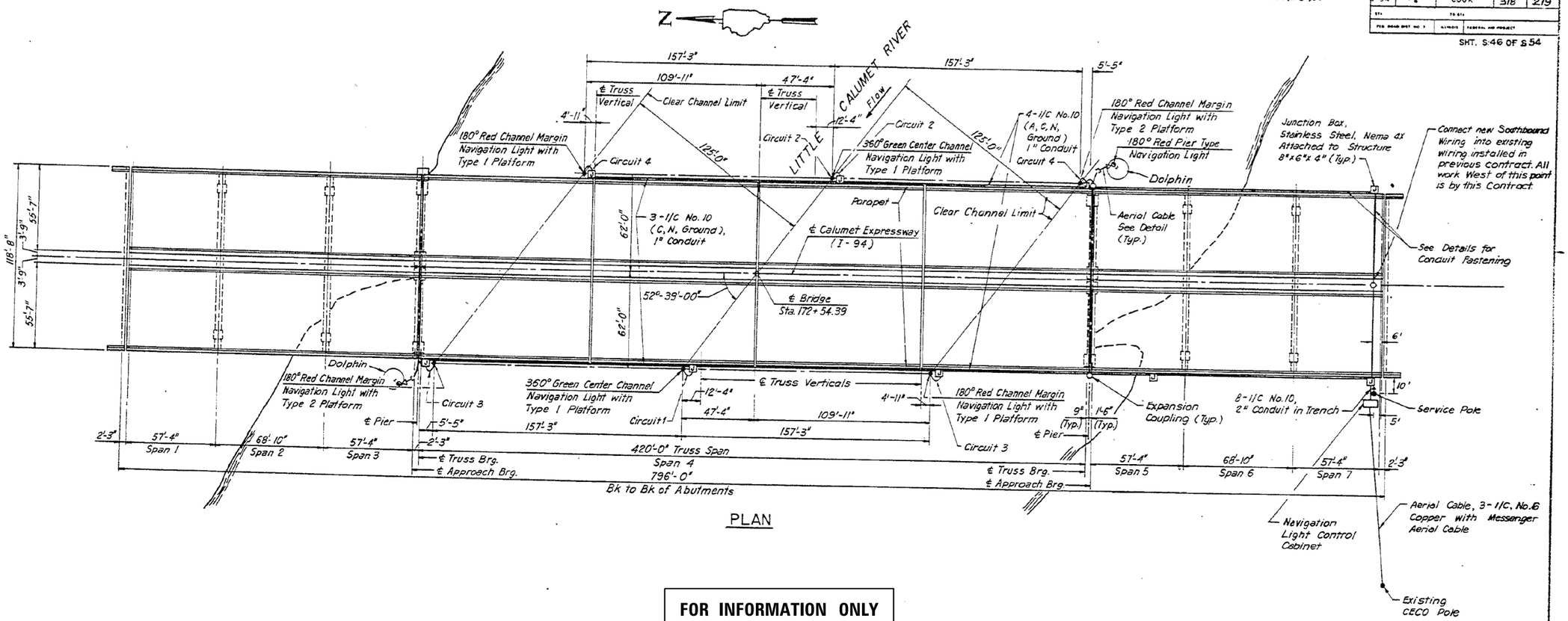
| | | | | | |
|---|---|---|---|---|---|
| ABNA DESIGN FIRM REG. 184.002117 — 745 McClintock Drive, Suite 210, Burr Ridge, IL 60527, Ph. 773-881-4788, www.abnacorp.com | USER NAME = hbmepw11ics01$ | DESIGNED - FPE | REVISED - 1 4/8/2025 LNK | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | LIGHTING PLAN NAVIGATION LIGHTING DETAILS I-94 (BISHOP FORD EXPY) |
| | | DRAWN - LNK | REVISED - | | |
| | PLOT SCALE = 100.0000 ' / in. | CHECKED - FPE | REVISED - | | |
| | PLOT DATE = 4/11/2025 | DATE - 04/08/2025 | REVISED - | | SCALE: SHEET 5 OF 8 SHEETS STA. TO STA. |

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 94 | (42-B-11-1) BR, BJR 24 | COOK | 761 | 428I 1 |
| | | CONTRACT NO. 62W87 | | |
| | | ILLINOIS | FED. AID PROJECT | |

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| I-94 | * | COOK | 318 | 219 |

* 42 (VB-10, 12, HB-14, B-11) & 0707.1 HB(R-3)90

SHT. S-46 OF S 54




PLAN

**FOR INFORMATION ONLY**

NOTES:

1. For Platform Details See Sht. No. S-47
2. For Electrical Details, See Sht. Nos. 118 - 119.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
NAVIGATION LIGHTS – PLAN
F.A.I.-94 OVER LITTLE CALUMET RIVER
COOK COUNTY
STA. 172 + 54.39
SN 016-0158 (S. BOUND)
SN 016-0159 (N. BOUND)
SCALE 1" = 30'
DRAWN BY P.G.
DATE JUNE 1991
CHECKED BY J.M.


ABNA DESIGN FIRM REG. 184.002117
745 McClintock Drive
Suite 210
Burr Ridge, IL 60527
Ph. 773-881-4788
www.abnacorp.com


| | | | |
|---|---|---|---|
| USER NAME = hbmepw11ics015 | DESIGNED - FPE | REVISED - 1 4/8/2025 LNK | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION |
| | DRAWN - LNK | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - FPE | REVISED - | |
| PLOT DATE = 4/11/2025 | DATE - 01/22/2025 | REVISED - | |

LIGHTING PLAN EXISITNG NAVIGATION DETAILS–01
I–94 (BISHOP FORD EXPY)

SCALE: SHEET 6 OF 8 SHEETS STA. TO STA.

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 94 | (42-B-11-1) BR, BJR 24 | COOK | 761 | 428J |

CONTRACT NO. 62W87

ILLINOIS | FED. AID PROJECT

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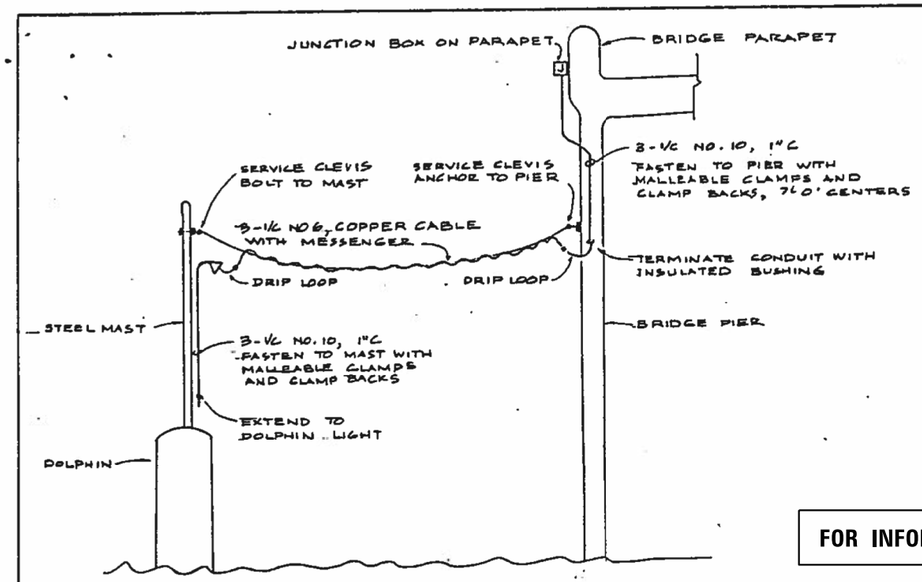
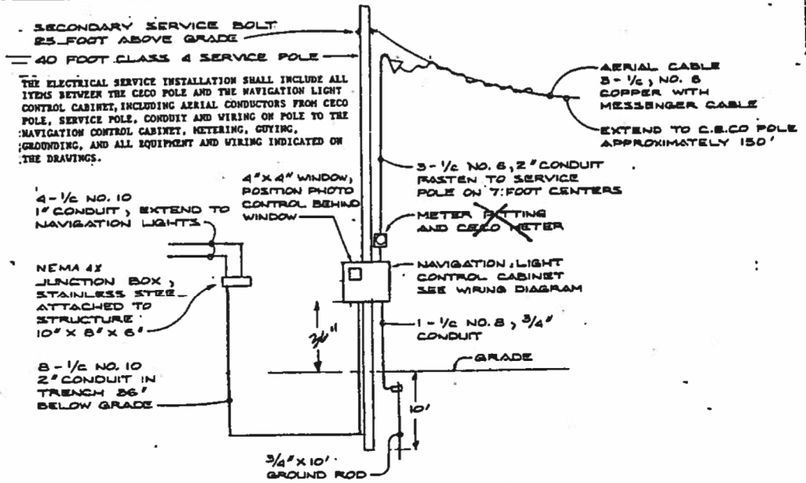
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| I-94 | # | COOK | 318 | |

- *42(VB-10, 12, HB-14, B-11) & 0707.1 HE




ELECTRIC SERVICE FOR DOLPHIN LIGHTS DETAIL

NO SCALE

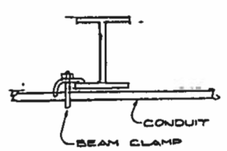



THE ELECTRICAL SERVICE INSTALLATION SHALL INCLUDE ALL ITEMS BETWEEN THE CECO POLE AND THE NAVIGATION LIGHT CONTROL CABINET, INCLUDING AERIAL CONDUCTORS FROM CECO POLE, SERVICE POLE, CONDUIT AND WIRING ON POLE TO THE NAVIGATION CONTROL CABINET, METERING, GUYING, GROUNDING, AND ALL EQUIPMENT AND WIRING INDICATED ON THE DRAWINGS.

FOR INFORMATION ONLY

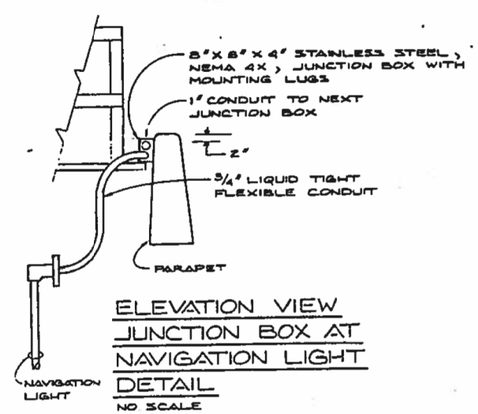
SERVICE POLE DETAIL

NO SCALE



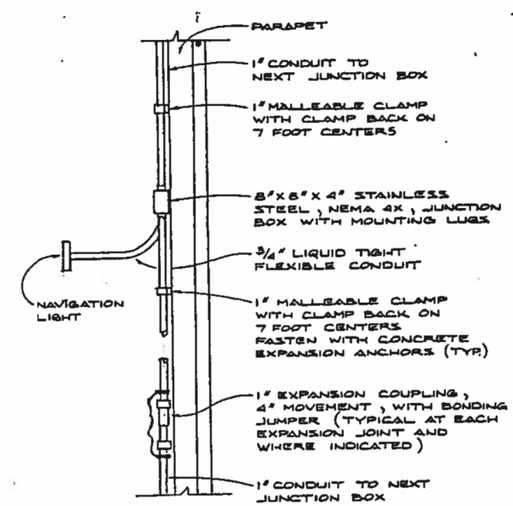

CONDUIT FASTENED TO APPROACH BRIDGE DETAIL

NO SCALE




ELEVATION VIEW JUNCTION BOX AT NAVIGATION LIGHT DETAIL

NO SCALE




PLAN VIEW CONDUIT INSTALLED ON PARAPET DETAIL

NO SCALE

**WALKER ELECTRIC**

P.O. BOX 545 LAKE BLUFF, IL 60

☐ APPROVED ☐ DISAPPRO

☐ APP'D AS NOTED

BY [signature] DATE 10/30/

JOB NAME CALUMET EXT

JOB NUMBER

REFERENCE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORT.

F.A.I.-94

NAVIGATION LIGHTING DETAILS

SCALE NONE DRAWN BY

DATE NOV. 1991 CHECKED B

MODEL: Default
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ABNA DESIGN FIRM REG. 184.002117
745 McClintock Drive Suite 210 Burr Ridge, IL 60527 Ph. 773-881-4788 www.abnacorp.com

| | | | |
|---|---|---|---|
| USER NAME = hbmepw11ics01$ | DESIGNED - FPE | REVISED - 4/8/2025 LNK | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION |
| | DRAWN - LNK | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - FPE | REVISED - | |
| PLOT DATE = 4/11/2025 | DATE - 01/22/2025 | REVISED - | |

LIGHTING PLAN EXISITNG NAVIGATION DETAILS–02
I–94 (BISHOP FORD EXPY)

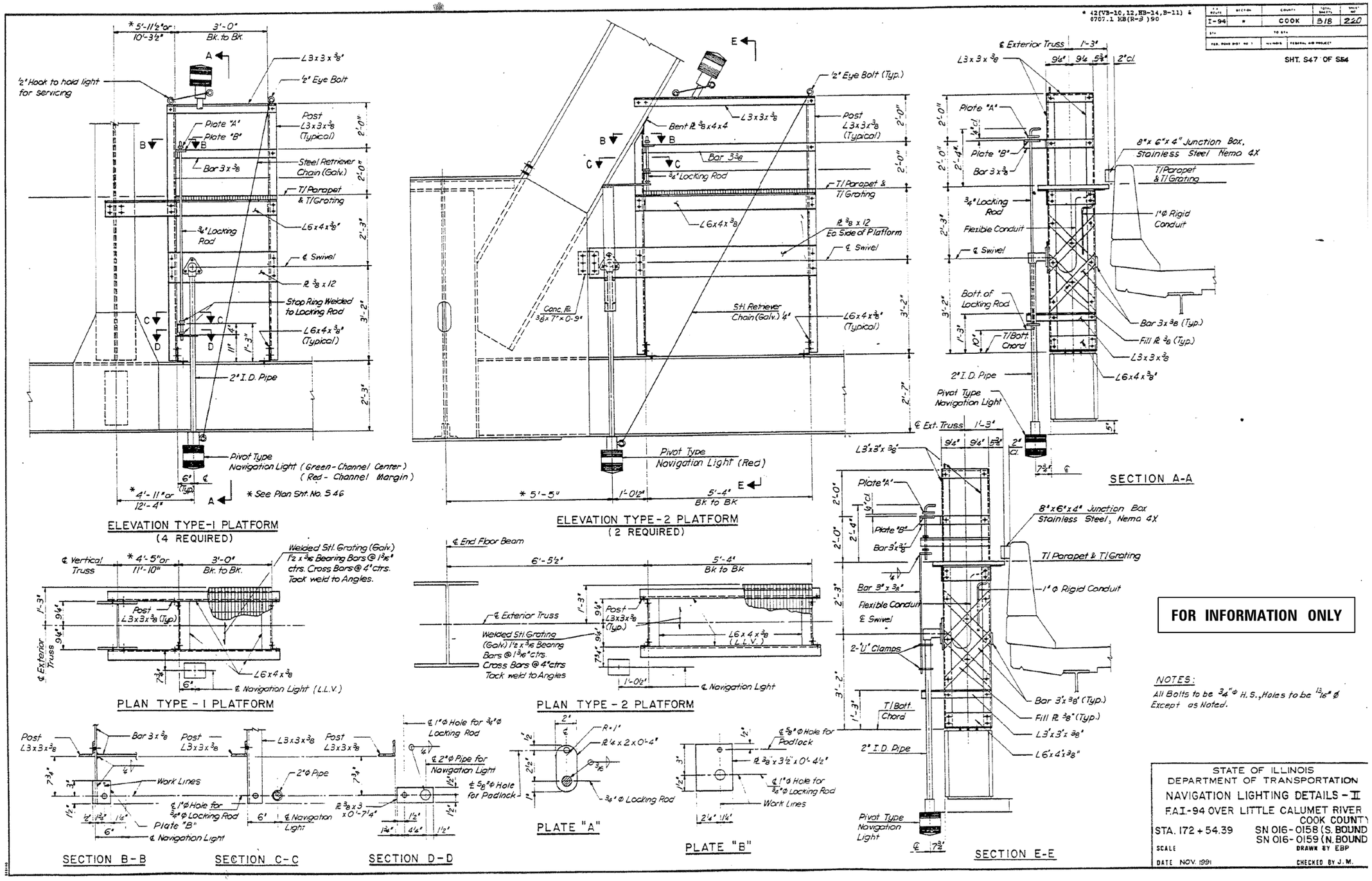
SCALE: SHEET 7 OF 8 SHEETS STA. TO STA.

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 94 | (42-B-11-1) BR, BJR 24 | COOK | 761 | 428K |
| | | CONTRACT NO. 62W87 | | |
| | | ILLINOIS | FED. AID PROJECT | |

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| I-94 | * | COOK | 518 | 220 |

SHT. S47 OF S54

* 42(VB-10,12,KB-14,B-11) & 0707.1 KB(R-3)90




**FOR INFORMATION ONLY**

NOTES:
All Bolts to be ¾"Φ H.S., Holes to be 13/16"Φ Except as Noted.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
NAVIGATION LIGHTING DETAILS - II
F.A.I.-94 OVER LITTLE CALUMET RIVER
COOK COUNTY
STA. 172 + 54.39 SN 016-0158 (S. BOUND)
SN 016-0159 (N. BOUND)
SCALE DRAWN BY EBP
DATE NOV. 1991 CHECKED BY J.M.

## GENERAL NOTES:

1. Reinforcement bars designated (E) shall be epoxy coated.

2. Plan dimensions and details relative to the existing structure have been taken from existing plans and are subject to nominal construction variations. The Contractor shall field-verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not cause for additional compensation for a change in the scope of the work; however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

3. The Contractor may request copies of existing construction plans that are currently on file with the Illinois Department of Transportation (IDOT). The request shall be in writing with the understanding that any reproduction cost will be the Contractors expense and at no additional cost to the Department.

4. All exposed concrete edges shall have a ¾" x 45° chamfer except where shown otherwise.

5. Protective coat shall be applied to the top of reconstructed transverse joint areas, top of new latex concrete overlay, and top and inside faces of parapets.

6. Joint openings shall be adjusted according to Article 520.04 of the standard specifications when the deck is poured at an ambient temperature other than 50°F.

7. Prior to pouring the new concrete deck, all heavy or loose rust, loose mill scale, and other loose detrimental foreign material shall be removed from the surfaces in contact with concrete (SSPC-SP3 standards). Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be paid for according to Article 109.04 of the Standard Specifications. As directed by the Engineer, existing construction accessories welded to the top flange of beams and girders shall be removed. The weld areas shall be ground flush and inspected for cracks using magnetic particle testing (MT) or dye penetrant testing (PT) by qualified personnel approved by the Engineer. Any cracks that cannot be removed by grinding ¼ inch deep shall be identified and reported to the Bureau of Bridges and Structures for further disposition. The cost of removing welded accessories, grinding and inspecting weld areas and grinding cracks will be paid for according to Article 109.04 of the Standard Specifications.

8. The Contractor shall take all necessary precautions for the protection of passing vehicles and pedestrians from falling objects and/or materials until completion of the work.

9. It shall be the Contractors responsibility to locate and protect any utilities or facilities on, within or under the bridge deck including but not limited to under deck lighting, traffic signals or signs attached to the structure. Any damage to existing utilities caused by the Contractor in the performance of the work shall be repaired by the Contractor, to the satisfaction of the Engineer, at no cost to the Department.

10. The Contractor shall exercise extreme caution during Concrete Removal to avoid damaging the steel beams and diaphragms to remain. Any damage to existing elements to remain cause by the Contractor in the performance of the work shall be repaired by the Contractor, to the satisfaction of the Engineer, at no cost to the Department.

11. Cleaning and field painting of structural steel shall be done under a separate painting contract.

12. For SMA overlay on Approach Slab, see Civil Sheets.

13. The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.

14. Adjacent I-94 WB bridge is not shown throughout the plans for clarity.

15. The Contractor is responsible to protect the existing conduit and junction box embedded in the parapet during removal and construction. Any damage to the existing conduit and junction box shall be repaired by the Contractor at no additional cost to the Department.

16. Concrete Sealer shall be applied to the designated areas of the abutments and piers.

17. Prior to the application of the Concrete Sealer, the Contractor shall clean all existing debris from the abutment seats. The method of debris removal shall not damage the existing concrete and shall be approved by the Engineer. See special provision for Debris Removal.

18. The Engineer shall show actual locations and size of deck repairs on As-built Plans.

## INDEX OF SHEETS


| | |
|---|---|
| S04-01 | General Plan and Elevation |
| S04-02 | General Notes, Index of Sheets & TBOM |
| S04-03 | Stage Construction (Sheet 1 of 2) |
| S04-04 | Stage Construction (Sheet 2 of 2) |
| S04-05 | Temporary Concrete Barrier |
| S04-06 | Deck Repair Plan (Sheet 1 of 2) |
| S04-07 | Deck Repair Plan (Sheet 2 of 2) |
| S04-08 | Drainage Scupper Adjustment Details |
| S04-09 | N. Abut. Joint Removal & Replacement (Sht. 1 of 3) |
| S04-10 | N. Abut. Joint Removal & Replacement (Sht. 2 of 3) |
| S04-11 | N. Abut. Joint Removal & Replacement (Sht. 3 of 3) |
| S04-12 | Pier 2 Joint Removal & Replacement (Sht. 1 of 2) |
| S04-13 | Pier 2 Joint Removal & Replacement (Sht. 2 of 2) |
| S04-14 | S. Abut. Joint Removal & Replacement (Sht. 1 of 3) |
| S04-15 | S. Abut. Joint Removal & Replacement (Sht. 2 of 3) |
| S04-16 | S. Abut. Joint Removal & Replacement (Sht. 3 of 3) |
| S04-17 | Preformed Joint Strip Seal |
| S04-18 | North Abutment Repairs |
| S04-19 | South Abutment Repairs |
| S04-20 | Pier 1 Repairs |
| S04-21 | Pier 2 Repairs |
| S04-22 | Pier 3 Repairs |
| S04-23 | Pier 4 Repairs |
| S04-24 | Pier 5 Repairs |
| S04-25 | Slope Wall Repairs |
| S04-26 | Bar Splicer Assembly & Mechanical Splicer Detail |


## TOTAL BILL OF MATERIAL

| ITEM | UNIT | SUPER | SUB | TOTAL |
|---|---|---|---|---|
| Porous Granular Embankment | Cu Yd | - | 1 | 1 |
| Concrete Removal | Cu Yd | 32.6 | - | 32.6 |
| Protective Shield | Sq Yd | 1,921 | - | 1,921 |
| Concrete Superstructure | Cu Yd | 36.9 | - | 36.9 |
| Protective Coat | Sq Yd | 3,120 | - | 3,120 |
| Reinforcement Bars, Epoxy Coated | Pound | 5,050 | - | 5,050 |
| Bar Splicers | Each | 48 | - | 48 |
| Preformed Joint Seal 2 1/2" | Foot | 414 | - | 414 |
| Preformed Joint Strip Seal | Foot | 210 | - | 210 |
| Concrete Sealer | Sq Ft | - | 4,241 | 4,241 |
| Epoxy Crack Injection | Foot | - | 36 | 36 |
| Bolt Replacement | Each | - | 2 | 2 |
| Bridge Deck Grooving (Longitudinal) | Sq Yd | 2,217 | - | 2,217 |
| Slope Wall Crack Sealing | Foot | - | 50 | 50 |
| Deck Drain Extensions | Each | 16 | - | 16 |
| Drainage Scuppers To Be Adjusted | Each | 2 | - | 2 |
| Bridge Deck Latex Concrete Overlay, 3 Inches | Sq Yd | 2,617 | - | 2,617 |
| Bridge Deck Scarification 3/4" | Sq Yd | 2,617 | - | 2,617 |
| Structural Repair Of Concrete (Depth Equal To Or Less Than 5 Inches) | Sq Ft | - | 268 | 268 |
| Structural Repair Of Concrete (Depth Greater Than 5 Inches) | Sq Ft | - | 3 | 3 |
| Deck Slab Repair (Full Depth, Type I) | Sq Yd | 0.1 | - | 0.1 |
| Diamond Grinding (Bridge Section) | Sq Yd | 2,511 | - | 2,511 |
| Temporary Shoring And Cribbing | Each | - | 2 | 2 |

1

## PROPOSED SCOPE OF WORK

1. Provide Protective shield within limits indicated on the plans.

2. Perform Deck Slab Repairs and adjust and extend existing scuppers and floor drains as required.

3. Perform ¾" Bridge Deck Scarification.

4. Reconstruct Expansion Joints at the North and South abutments and Pier 2 and install new preformed joint strip seals.

5. Apply 3" Bridge Deck Latex Concrete Overlay on Bridge Deck.

6. Perform ¼" Diamond Grinding to top of bridge deck and abutment hatch block.

7. Perform Bridge Deck Grooving (Longitudinal) on traffic lanes.

8. Apply protective coat to the top of reconstructed transverse joint areas, top of new latex concrete overlay and top and inside faces of parapets.

9. Perform structural repair of concrete to all spalled and delaminated areas, and perform low pressure epoxy injection to all open cracks (⅛"-wide and wider), for the abutments and piers as noted on the plans.

10. Perform Slope Wall repairs.