

FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROJECT IS LOCATED IN THE VILLAGES OF ROUND LAKE BEACH AND LAKE VILLA.

TRAFFIC DATA

FUNCTIONAL CLASSIFICATION: PRINCIPAL ARTERIAL
2019

S OF HOOK DR TO MONAVILLE RD

ADT = 23,700 P.V=96.31% S.U.=2.74% M.U.=0.95%

MONAVILLE RD TO GRAND AVE

ADT = 16,900 P.V=96.63% S.U.=2.66% M.U.=0.71%

GRAND AVE TO LAKE AVE

ADT = 14,200 P.V=96.16% S.U.=2.99% M.U.=0.85%

POSTED SPEED =

S OF HOOK DR TO MILLSTONE DR: 35 MPH

MILLSTONE DR TO S OF PARK AVE: 45 MPH

S OF PARK AVE TO N OF BRETONS DR: 40 MPH

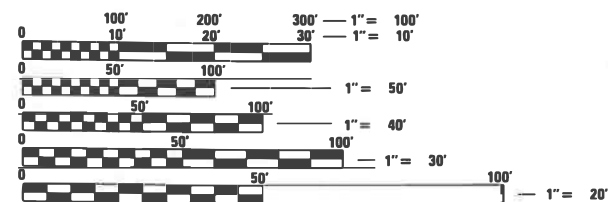
N OF BRETONS DR TO LAKE AVE: 35 MPH



Signed: *J. Havel*
Date: 8/18/2022
License Expires: 11/30/2023
The seal shown above is valid for Sheets 1-36 & 55-65.



Signed: *J. Davis*
Date: 8/18/2022
License Expires: 11/30/2023
The seal shown above is valid for Sheets 37-54.



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
OR 811

PROJECT ENGINEER: DANIEL WILGREEN, PE (847-705-4240)
PROJECT MANAGER: FAWAD AQUEEL, PE

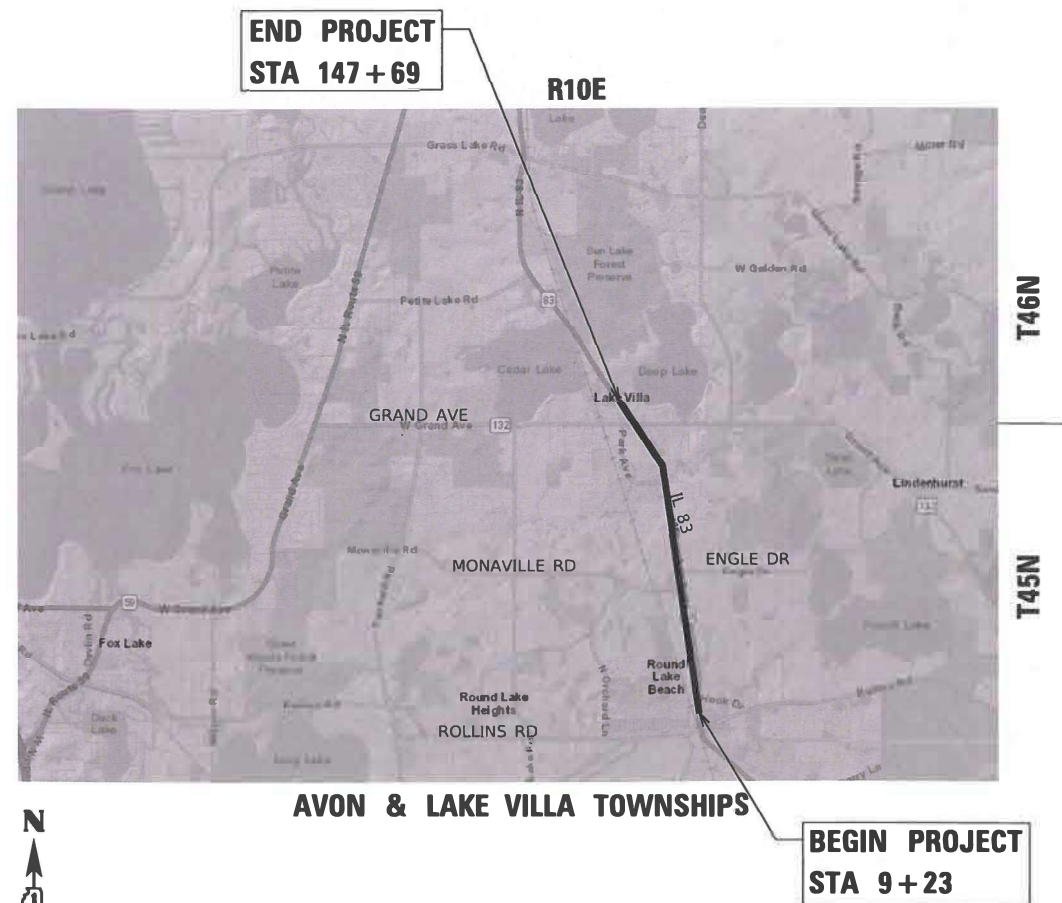
CONTRACT NO. 62N67

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**PROPOSED
HIGHWAY PLANS**

FAP ROUTE 866 (IL 83)
FROM LAKE AVE TO S OF HOOK DR
SECTION 2021-044-RS
FEDERAL AID PROJECT NHPP-TT6Y(294)
SMART OVERLAY & ADA IMPROVEMENTS
LAKE COUNTY

C-91-140-21



N
LOCATION MAP
NOT TO SCALE

GROSS LENGTH = 13,846 FT. = 2.62 MILE
NET LENGTH = 13,846 FT. = 2.62 MILE

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------|-------------|----------|--------------------|-----------|
| 866 | 2021-044-RS | LAKE | 65 | 1 |
| | | ILLINOIS | CONTRACT NO. 62N67 | |

D-91-117-21



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED August 24, 2022
Open Road 1003
REGIONAL ENGINEER

October 14, 2022
[Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

October 14, 2022
[Signature]
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

- 1 COVER SHEET
- 2 INDEX OF SHEETS, GENERAL NOTES, HIGHWAY STANDARDS, AND COMMITMENTS
- 3-9 SUMMARY OF QUANTITIES
- 10-11 TYPICAL SECTIONS
- 12 SCHEDULES
- 13-22 ROADWAY AND PAVEMENT MARKING PLAN
- 23-34 ADA RAMP DETAILS
- 35 PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS (PD-01)
- 36 PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS W/ TURNING SPACE (PD-04)
- 37-54 DETECTOR LOOP AND CABLE PLANS
- 55 BD-08: FRAMES AND LIDS ADJUSTMENT WITH MILLING
- 56 BD-22: PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
- 57 BD-24: CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT
- 58 BD-32: BUTT JOINTS AND HMA TAPER
- 59 TC-10: TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
- 60 TC-11: RAISED REFLECTIVE PAVEMENT MARKERS (SNOW PLOW RESISTANT)
- 61 TC-13: DISTRICT ONE TYPICAL PAVEMENT MARKINGS
- 62 TC-14: TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)
- 63 TC-16: SHORT-TERM PAVEMENT MARKING LETTERS AND SYMBOLS
- 64 TC-22: ARTERIAL ROAD INFORMATION SIGN
- 65 TC-26: DRIVEWAY ENTRANCE SIGNING

LIST OF ILLINOIS DOT HIGHWAY STANDARDS

- 000001-08 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001001-02 AREAS OF REINFORCEMENT BARS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 424001-11 PERPENDICULAR CURB RAMPS FOR SIDEWALKS
- 424006-05 DIAGONAL CURB RAMPS FOR SIDEWALKS
- 424011-04 CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
- 424021-06 DEPRESSED CORNER FOR SIDEWALKS
- 424031-02 MEDIAN PEDESTRIAN CROSSINGS
- 604001-05 FRAME AND LIDS TYPE 1
- 606001-08 CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
- 667101-02 PERMANENT SURVEY MARKERS
- 701001-02 OFF-ROAD OPERATIONS 2L, 2W, MORE THAN 15' (4.5 m) AWAY
- 701006-05 OFF-ROAD OPERATIONS 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
- 701011-04 OFF-ROAD MOVING OPERATIONS 2L, 2W, DAY ONLY
- 701101-05 OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
- 701106-02 OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 m) AWAY
- 701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
- 701306-04 LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS ≥45 MPH
- 701311-03 LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
- 701427-05 LANE CLOSURE, MULTILANE INTERMITTENT OR MOVING OPERATION, FOR SPEEDS ≤40 MPH
- 701501-06 URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
- 701502-09 URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
- 701602-10 URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
- 701606-10 URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
- 701701-10 URBAN LANE CLOSURE, MULTILANE INTERSECTION
- 701801-06 SIDEWALK, CORNER OR CROSSWALK CLOSURE
- 701901-08 TRAFFIC CONTROL DEVICES
- 780001-05 TYPICAL PAVEMENT MARKINGS
- 781001-04 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
- 814001-03 HANDHOLES
- 814006-03 DOUBLE HANDHOLES
- 886001-01 DETECTOR LOOP INSTALLATIONS
- 886006-01 TYPICAL LAYOUT FOR DETECTION LOOPS

GENERAL NOTES

1. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS UTILITIES. 48 HOUR NOTIFICATION IS REQUIRED.
2. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, ROUND LAKE BEACH, LAKE VILLA, LAKE VILLA TOWNSHIP, AND LAKE COUNTY.
3. THE CONTRACTOR SHALL NOT SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
4. BEFORE BEGINNING ANY WORK THE CONTRACTOR SHALL RETAIN AND RECORD, FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER.
5. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
6. THE RESIDENT ENGINEER SHALL CONTACT FADI SULTAN, AREA TRAFFIC FIELD ENGINEER, AT FADI.SULTAN@ILLINOIS.GOV A MINIMUM OF 2 WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
7. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
8. ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LIMITS SHOWN ON THE PLANS SHALL BE REPLACED AT NO ADDITIONAL COST TO THE DEPARTMENT.
9. 10 FOOT TRANSITIONS SHALL BE USED TO MATCH DIFFERENT TYPES OF PROPOSED CURB AND GUTTER TO EXISTING CURB AND GUTTER, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED LARGER ITEM OF SPECIFIED WORK.
10. ALL REFERENCES IN THE HIGHWAY STANDARDS AND STANDARD SPECIFICATIONS FOR REINFORCEMENT, DOWEL BARS, AND TIE BARS IN PAVEMENT, CURB, GUTTER, COMBINATION CURB AND GUTTER, AND MEDIAN SHALL BE EPOXY COATED UNLESS NOTED OTHERWISE ON THE PLANS.
11. IDOT FACILITIES ARE NOT LOCATED BY JULIE OR DIGGER. IDOT ELECTRICAL FACILITIES INCLUDING ROADWAY LIGHTING, FIBER OPTIC, ITS EQUIPMENT, TRAFFIC SIGNAL, AND PUMP STATION FACILITIES ARE LOCATED BY THE DEPARTMENT'S ELECTRICAL MAINTENANCE CONTRACTOR. AS OF THE LETTING DATE, CONTACT THE MEADE ELECTRIC COMPANY AT (773) 287-7672.
12. ALL MILLED SURFACES SHALL BE AT A UNIFORM CROSS SLOPE PER LANE AND FREE OF RIDGES BETWEEN PASSES. ANY DEVIATIONS SHALL BE CORRECTED AT NO COST TO THE DEPARTMENT.
13. ALL PAVEMENT PATCHING, CURB AND GUTTER REMOVAL AND REPLACEMENT, STRUCTURE FRAME REPLACEMENTS, STRUCTURE ADJUSTMENTS, AND STRUCTURE/STORM SEWER TO BE CLEANED, WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
14. THE EXISTING FRAMES AND LIDS OF THE 2 MANHOLES LOCATED AT THE INTERSECTION OF IL 132 (GRAND AVE) AND IL 83 ARE DESIGNATED TO BE REMOVED AND SHALL BE RETURNED TO THE VILLAGE OF LAKE VILLA. THE CONTRACTOR SHALL CONTACT RYAN HORTON, VILLAGE OF LAKE VILLA PUBLIC WORKS SUPERINTENDENT, AT (847) 356-6105 EXT. 304 FOR DELIVERY COORDINATION.

COMMITMENTS

NONE

MAINTENANCE OF TRAFFIC – GENERAL NOTES

1. SEE SPECIAL PROVISION TITLED TRAFFIC CONTROL PLAN.
2. THE CONTRACTOR SHALL REMOVE AND SAFELY STORE (FREE FROM THEFT OR DAMAGE) OR COVER ALL CONFLICTING EXISTING SIGNS FOR THE DURATION OF THE CONSTRUCTION. ALL SIGNS SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AT THE END OF CONSTRUCTION.
3. ALL TEMPORARY PAVEMENT MARKING SHALL BE PAVEMENT MARKING TAPE, TYPE IV.
4. ALL TEMPORARY PAVEMENT MARKING SHOWING DETERIORATION AFTER 7 DAYS OF SERVICE SHALL BE REPLACED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER.
5. TEMPORARY INFORMATION SIGNS SHALL BE INSTALLED AT LEAST 1 WEEK PRIOR TO BEGINNING OF ANY CONSTRUCTION ACTIVITIES ON BOTH ENDS OF THE JOB AND ON BOTH LEGS OF IL 132 (GRAND AVE).
6. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL PRIVATE AND COMMERCIAL DRIVEWAYS FOR THE DURATION OF THE PROJECT. ACCESS DURING IMMEDIATE CONSTRUCTION ACTIVITIES SUCH AS MILLING OR PAVING SHALL BE PROVIDED WITH FLAGGERS.

MODEL: D:\efk\... FILE NAME: 20230516_11 IDOT D1.PFB, 199-015_WO_11_IL_83_Resturfacing\DC\N\Design\Prelim\Plotsheets\62N67-act-cove.dgn



| | | |
|------------------------------|------------------|---------------------|
| USER NAME = sklerpiec | DESIGNED - AN | REVISED - JH |
| | DRAWN - AN | REVISED - SK |
| PLOT SCALE = 100,0000' / in. | CHECKED - JH | REVISED - JH |
| PLOT DATE = 10/6/2022 | DATE - 8/18/2022 | REVISED - 10/7/2022 |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS, GENERAL NOTES,
HIGHWAY STANDARDS, AND COMMITMENTS**

SCALE: N/A SHEET 1 OF 1 SHEETS STA. TO STA.

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------|-------------|----------|--------------------|-----------|
| 866 | 2021-044-R5 | LAKE | 65 | 2 |
| | | | CONTRACT NO. 62N67 | |
| | | ILLINOIS | FED. AID PROJECT | |

| CODE NO. | ITEM | UNIT | TOTAL QUANTITY | CONSTRUCTION CODE | | |
|----------|---|-------|----------------|--------------------------|--------------------------|------------|
| | | | | 80% FEDERAL 20% STATE | 80% FEDERAL 20% STATE | 100% STATE |
| | | | | ROADWAY | SAFETY | ROADWAY |
| | | | | 0005 | 0021 | 0005 |
| | | | | URBAN | URBAN | URBAN |
| 20200100 | EARTH EXCAVATION | CU YD | 47 | 47 | | |
| 21101615 | TOPSOIL FURNISH AND PLACE, 4" | SQ YD | 421 | 421 | | |
| 25200110 | SODDING, SALT TOLERANT | SQ YD | 421 | 421 | | |
| 25200200 | SUPPLEMENTAL WATERING | UNIT | 20 | 20 | | |
| 28000400 | PERIMETER EROSION BARRIER | FOOT | 3591 | 3591 | | |
| 40600290 | BITUMINOUS MATERIALS (TACK COAT) | POUND | 36726 | 36726 | | |
| 40600370 | LONGITUDINAL JOINT SEALANT | FOOT | 41686 | 41686 | | |
| 40600400 | MIXTURE FOR CRACKS, JOINTS, AND FLANGWAYS | TON | 123 | 123 | | |
| 40600982 | HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT | SQ YD | 582 | 582 | | |
| 40604062 | HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70 | TON | 6065 | 6065 | | |
| 40605026 | POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80 | TON | 851 | 851 | | |
| 42001300 | PROTECTIVE COAT | SQ YD | 766 | 766 | | |
| 42400200 | PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH | SQ FT | 4628 | 4628 | | |
| 42400800 | DETECTABLE WARNINGS | SQ FT | 513 | 513 | | |

*SPECIALTY ITEM

MODEL: Default
 FILE NAME: 20210506_11 DOT D1 PFB 199-015_W0 11 L 03 ResurfacingDCNDesign\Pre\In\PreSheet\21N67-04-S00.dgn



| | | |
|------------------------------|------------------|-----------|
| USER NAME = skierpiec | DESIGNED - AN | REVISED - |
| | DRAWN - AN | REVISED - |
| PLOT SCALE = 100.0000' / in. | CHECKED - JH | REVISED - |
| PLOT DATE = 8/26/2022 | DATE - 8/18/2022 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: N/A SHEET 1 OF 7 SHEETS STA. TO STA.

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|-------------|--------|--------------------|-----------|
| 866 | 2021-044-R5 | LAKE | 65 | 3 |
| ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 62N67 | |

| CODE NO. | ITEM | UNIT | TOTAL QUANTITY | CONSTRUCTION CODE | | |
|------------|---|--------|----------------|-------------------------------|------------------------------|--------------------|
| | | | | 80% FEDERAL 20% STATE ROADWAY | 80% FEDERAL 20% STATE SAFETY | 100% STATE ROADWAY |
| | | | | 0005 | 0021 | 0005 |
| | | | | URBAN | URBAN | URBAN |
| * 66900200 | NON-SPECIAL WASTE DISPOSAL | CU YD | 47 | 47 | | |
| * 66900530 | SOIL DISPOSAL ANALYSIS | EACH | 5 | 5 | | |
| * 66901001 | REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN | L SUM | 1 | 1 | | |
| * 66901003 | REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT | L SUM | 1 | 1 | | |
| * 66901006 | REGULATED SUBSTANCES MONITORING | CAL DA | 28 | 28 | | |
| 67100100 | MOBILIZATION | L SUM | 1 | 1 | | |
| 70100460 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701306 | L SUM | 1 | 1 | | |
| 70102620 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701501 | L SUM | 1 | 1 | | |
| 70102622 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701502 | L SUM | 1 | 1 | | |
| 70102625 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701606 | L SUM | 1 | 1 | | |
| 70102632 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701602 | L SUM | 1 | 1 | | |
| 70102635 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701701 | L SUM | 1 | 1 | | |
| 70102640 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701801 | L SUM | 1 | 1 | | |
| 70107025 | CHANGEABLE MESSAGE SIGN | CAL DA | 30 | 30 | | |

*SPECIALTY ITEM

MODEL: Default
FILE NAME: 20210506_11 DOT D1 PFB 199-015_W0 11 L 03 ResurfacingDCNDesign\Pre\In\PreSheets\21N67-04-S00.dgn



| | | |
|------------------------------|------------------|-----------|
| USER NAME = skierpiec | DESIGNED - AN | REVISED - |
| | DRAWN - AN | REVISED - |
| PLOT SCALE = 100.0000' / in. | CHECKED - JH | REVISED - |
| PLOT DATE = 8/26/2022 | DATE - 8/18/2022 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: N/A SHEET 3 OF 7 SHEETS STA. TO STA.

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|-------------|--------|--------------------|-----------|
| 866 | 2021-044-R5 | LAKE | 65 | 5 |
| ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 62N67 | |

| CODE NO. | ITEM | UNIT | TOTAL QUANTITY | CONSTRUCTION CODE | | |
|------------|---|-------|----------------|-------------------------------------|------------------------------------|-----------------------|
| | | | | 80% FEDERAL 20% STATE ROADWAY | 80% FEDERAL 20% STATE SAFETY | 100% STATE ROADWAY |
| | | | | 0005 | 0021 | 0005 |
| | | | | URBAN | URBAN | URBAN |
| 70300100 | SHORT TERM PAVEMENT MARKING | FOOT | 28106 | 28106 | | |
| 70300150 | SHORT TERM PAVEMENT MARKING REMOVAL | SQ FT | 37424 | 37424 | | |
| 70307100 | TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - TYPE IV TAPE | SQ FT | 1659 | 1659 | | |
| 70307120 | TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE | FOOT | 54065 | 54065 | | |
| 70307130 | TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE | FOOT | 6953 | 6953 | | |
| 70307140 | TEMPORARY PAVEMENT MARKING - LINE 8" - TYPE IV TAPE | FOOT | 355 | 355 | | |
| 70307160 | TEMPORARY PAVEMENT MARKING - LINE 12"- TYPE IV TAPE | FOOT | 2738 | 2738 | | |
| 70307210 | TEMPORARY PAVEMENT MARKING - LINE 24"- TYPE IV TAPE | FOOT | 961 | 961 | | |
| * 72400710 | RELOCATE SIGN PANEL - TYPE 1 | SQ FT | 9 | 9 | | |
| * 78000100 | THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS | SQ FT | 1659 | 1659 | | |
| * 78000200 | THERMOPLASTIC PAVEMENT MARKING - LINE 4" | FOOT | 54065 | 54065 | | |
| * 78000300 | THERMOPLASTIC PAVEMENT MARKING - LINE 5" | FOOT | 136 | 136 | | |
| * 78000400 | THERMOPLASTIC PAVEMENT MARKING - LINE 6" | FOOT | 6953 | 6953 | | |
| * 78000500 | THERMOPLASTIC PAVEMENT MARKING - LINE 8" | FOOT | 355 | 355 | | |
| * 78000600 | THERMOPLASTIC PAVEMENT MARKING - LINE 12" | FOOT | 2738 | 2738 | | |

*SPECIALTY ITEM

MODEL: D:\efm\k
 FILE NAME: Z:\31056.11 IDOT D1 FTB 199-015 WD 11 IL 83 Resurfacing\DCM\Design\Prelim\p\dchheets\62N67-ant-500.dgn



| | | |
|-----------------------------|------------------|-----------|
| USER NAME = skierpiec | DESIGNED - AN | REVISED - |
| PLOT SCALE = 100.0000 / in. | DRAWN - AN | REVISED - |
| PLOT DATE = 8/26/2022 | CHECKED - JH | REVISED - |
| | DATE - 8/18/2022 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: N/A | SHEET 4 OF 7 SHEETS | STA. TO STA.

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|-------------|--------|--------------------|-----------|
| 866 | 2021-044-R5 | LAKE | 65 | 6 |
| ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 62N67 | |

| CODE NO. | ITEM | UNIT | TOTAL QUANTITY | CONSTRUCTION CODE | | |
|------------|--|---|----------------|-------------------------------|------------------------------|--------------------|
| | | | | 80% FEDERAL 20% STATE ROADWAY | 80% FEDERAL 20% STATE SAFETY | 100% STATE ROADWAY |
| | | | | 0005 | 0021 | 0005 |
| | | | | URBAN | URBAN | URBAN |
| * 78000650 | THERMOPLASTIC PAVEMENT MARKING - LINE 24" | FOOT | 961 | 961 | | |
| * 78011000 | GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS AND SYMBOLS | SQ FT | 110 | 110 | | |
| * 78011025 | GROOVING FOR RECESSED PAVEMENT MARKING 5" | FOOT | 110 | 110 | | |
| | 78011030 | GROOVING FOR RECESSED PAVEMENT MARKING 6" | FOOT | 136 | 136 | |
| * 78011035 | GROOVING FOR RECESSED PAVEMENT MARKING 7" | FOOT | 100 | 100 | | |
| | | | | | | |
| * 78011125 | GROOVING FOR RECESSED PAVEMENT MARKING 25" | FOOT | 39 | 39 | | |
| | | | | | | |
| * 78100100 | RAISED REFLECTIVE PAVEMENT MARKER | EACH | 1133 | 1133 | | |
| | | | | | | |
| | 78300200 | RAISED REFLECTIVE PAVEMENT MARKER REMOVAL | EACH | 1133 | 1133 | |
| | | | | | | |
| * 81028200 | UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA. | FOOT | 251 | | 251 | |
| | | | | | | |
| * 85000200 | MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION | EACH | 4 | | 4 | |
| | | | | | | |
| * 87301215 | ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C | FOOT | 2556 | | 2556 | |
| | | | | | | |
| * 87301900 | ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C | FOOT | 304 | | 304 | |
| | | | | | | |
| * 87900200 | DRILL EXISTING HANDHOLE | EACH | 14 | | 14 | |
| | | | | | | |
| * 88600100 | DETECTOR LOOP, TYPE I | FOOT | 2205 | | 2205 | |
| | | | | | | |
| * 88600600 | DETECTOR LOOP REPLACEMENT | FOOT | 402 | | 402 | |
| | | | | | | |

*SPECIALTY ITEM

MODEL: Default
FILE NAME: 20230506_11_PLOT_D1_PTB_199-015_WD_11_L_03_ResurfacingDCNDesign\Pre\mip\pre\sheet\62N67-04-500.dgn



| | | |
|------------------------------|------------------|-----------|
| USER NAME = skierpiec | DESIGNED - AN | REVISED - |
| | DRAWN - AN | REVISED - |
| PLOT SCALE = 100.0000' / in. | CHECKED - JH | REVISED - |
| PLOT DATE = 8/26/2022 | DATE - 8/18/2022 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: N/A SHEET 5 OF 7 SHEETS STA. TO STA.

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|-------------|--------|---------------------------|-----------|
| 866 | 2021-044-R5 | LAKE | 65 | 7 |
| CONTRACT NO. 62N67 | | | ILLINOIS FED. AID PROJECT | |

| CODE NO. | ITEM | UNIT | TOTAL QUANTITY | CONSTRUCTION CODE | | |
|------------|---|--------|----------------|--------------------------|--------------------------|------------|
| | | | | 80% FEDERAL 20% STATE | 80% FEDERAL 20% STATE | 100% STATE |
| | | | | ROADWAY | SAFETY | ROADWAY |
| | | | | 0005 | 0021 | 0005 |
| | | | | URBAN | URBAN | URBAN |
| * 89502375 | REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT | EACH | 4 | | 4 | |
| * 89502376 | REBUILD EXISTING HANDHOLE | EACH | 5 | 5 | | |
| X0320050 | CONSTRUCTION LAYOUT (SPECIAL) | L SUM | 1 | 1 | | |
| * X1400378 | PEDESTRIAN SIGNAL POST, 5 FT. | EACH | 14 | | 14 | |
| X2020110 | GRADING AND SHAPING SHOULDERS | UNIT | 132 | 132 | | |
| X4400501 | COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT LESS THAN OR EQUAL TO 10 FEET | FOOT | 250 | 250 | | |
| X4400503 | COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT GREATER THAN 10 FEET | FOOT | 1126 | 1126 | | |
| X5537800 | STORM SEWERS TO BE CLEANED 12" | FOOT | 1000 | | | 1000 |
| X6030205 | FRAMES AND GRATES TO BE ADJUSTED (SPECIAL) | EACH | 5 | 5 | | |
| X6030310 | FRAMES AND LIDS TO BE ADJUSTED (SPECIAL) | EACH | 40 | 40 | | |
| X6700407 | ENGINEER'S FIELD OFFICE, TYPE A (D1) | CAL MO | 12 | 12 | | |
| * X8140238 | REBUILD EXISTING DOUBLE HANDHOLE | EACH | 1 | 1 | | |
| * X8760200 | ACCESSIBLE PEDESTRIAN SIGNALS | EACH | 20 | | 20 | |
| * X8780012 | CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER | FOOT | 56 | | 56 | |

*SPECIALTY ITEM

MODEL: D:\efk\it
 FILE NAME: 20210506_11 DOT D1 PFB_199-015_WD 11 L 03 Resurfacing\GDNDesign\Pre\in\ip\pre\sheet\62N67-04-S00.dgn



| | | |
|------------------------------|------------------|-----------|
| USER NAME = skierpiec | DESIGNED - AN | REVISED - |
| | DRAWN - AN | REVISED - |
| PLOT SCALE = 100.0000' / in. | CHECKED - JH | REVISED - |
| PLOT DATE = 8/26/2022 | DATE - 8/18/2022 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: N/A SHEET 6 OF 7 SHEETS STA. TO STA.

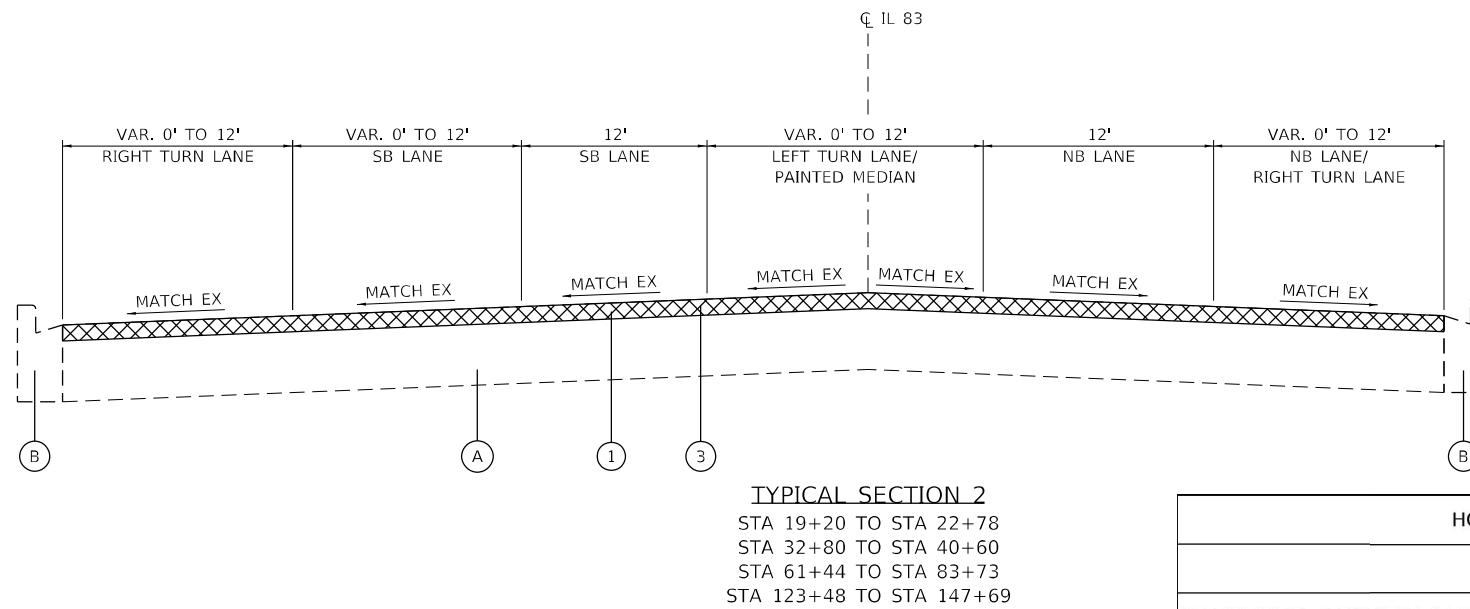
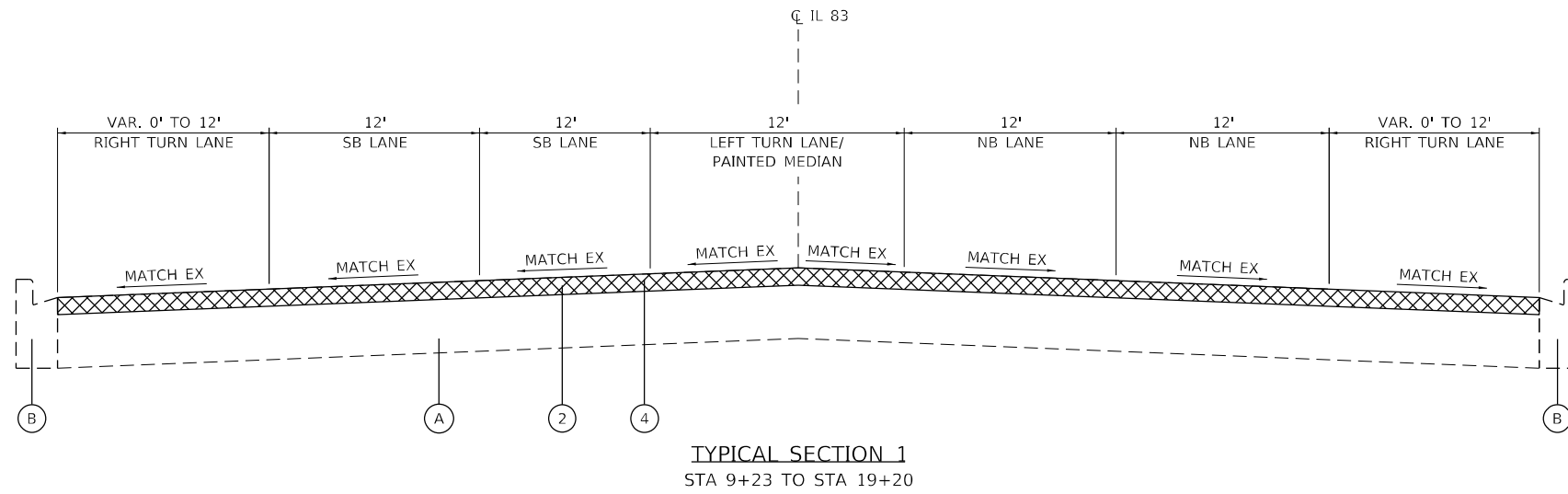
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|-------------|--------|---------------------------|-----------|
| 866 | 2021-044-R5 | LAKE | 65 | 8 |
| CONTRACT NO. 62N67 | | | ILLINOIS FED. AID PROJECT | |

EXISTING TYPICAL LEGEND

- (A) EXISTING PAVEMENT ($\pm 9"$ PCC WITH $\pm 6"$ HMA SURFACE & VAR.)
- (B) EXISTING CURB AND GUTTER
- (C) EXISTING AGGREGATE SHOULDER
- (D) EXISTING PAVED SHOULDER

PROPOSED TYPICAL LEGEND

- (1) HMA SURFACE REMOVAL, 1½"
- (2) HMA SURFACE REMOVAL, 1¾"
- (3) HMA SURFACE COURSE, IL-9.5, MIX "D", N70 (1½")
- (4) POLYMERIZED HMA SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80 (1¾")
- (5) AGGREGATE WEDGE SHOULDER, TYPE B



SUGGESTED SEQUENCE OF OPERATIONS

1. MILL ALL LANES WITHIN A GIVEN SECTION OF ROADWAY.
2. PERFORM PATCHING WITHIN MILLED SECTION.
3. PLACE LONGITUDINAL JOINT SEALANT AND RESURFACE LANES.

| HOT-MIX ASPHALT MIXTURE REQUIREMENTS | | QUALITY MANAGEMENT PROGRAM (QMP) |
|--|---------------------|----------------------------------|
| MIXTURE TYPE | AIR VOIDS N_{des} | |
| PAVEMENT RESURFACING | | |
| HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70; 1.5" | 4.0% AT 70 GYR | QCP |
| POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80; 1.75" | 3.5% AT 80 GYR | QC/QA |
| CLASS D PATCHING | | |
| CLASS D PATCH (HMA BINDER IL-19 mm) | 4.0% AT 70 GYR | QC/QA |
| QMP DESIGNATIONS: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA); QUALITY FOR PERFORMANCE (QCP) | | |

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.

THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATIONS.

THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE MILLED SURFACE.

MODEL: D:\efk\h... FILE NAME: 20210516_11 DDOT D1 PFB_199-015_WO 11 IL 83 Resurfacing\DCM\Design\Prelim\RestSheet\62N67-act-typlsec2.dgn

| | | |
|------------------------------|------------------|---------------------|
| USER NAME = sklerpiec | DESIGNED - AN | REVISED - JH |
| | DRAWN - AN | REVISED - SK |
| PLOT SCALE = 100,0000' / in. | CHECKED - JH | REVISED - JH |
| PLOT DATE = 9/7/2022 | DATE - 8/18/2022 | REVISED - 10/7/2022 |

| | |
|-------------------------|---------------------|
| TYPICAL SECTIONS | |
| SCALE: N/A | SHEET 1 OF 2 SHEETS |
| STA. | TO STA. |

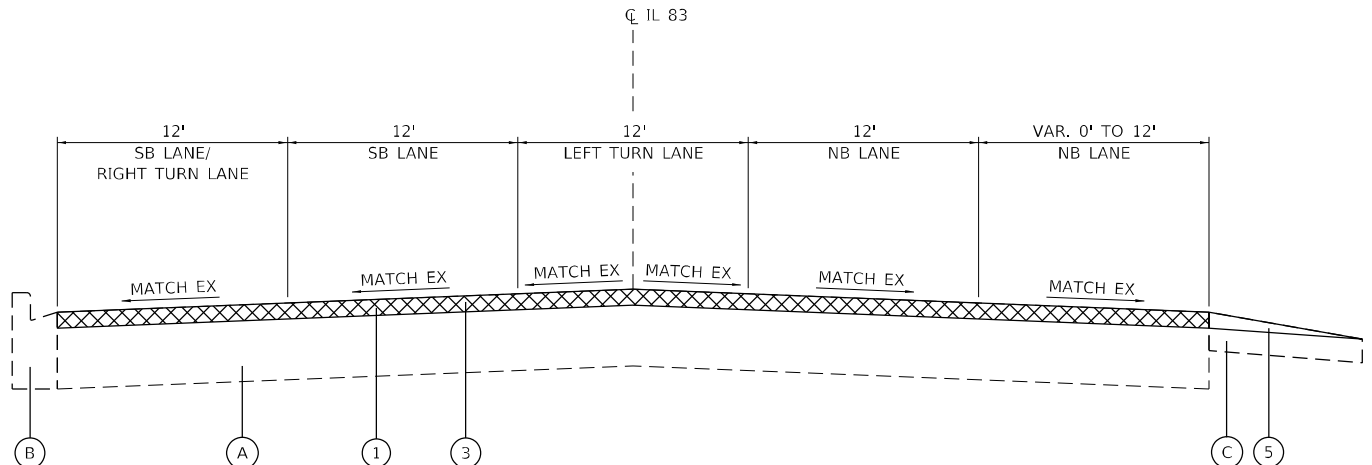
| | | | | |
|---------------------------|-------------|--------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 866 | 2021-044-R5 | LAKE | 65 | 10 |
| CONTRACT NO. 62N67 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

EXISTING TYPICAL LEGEND

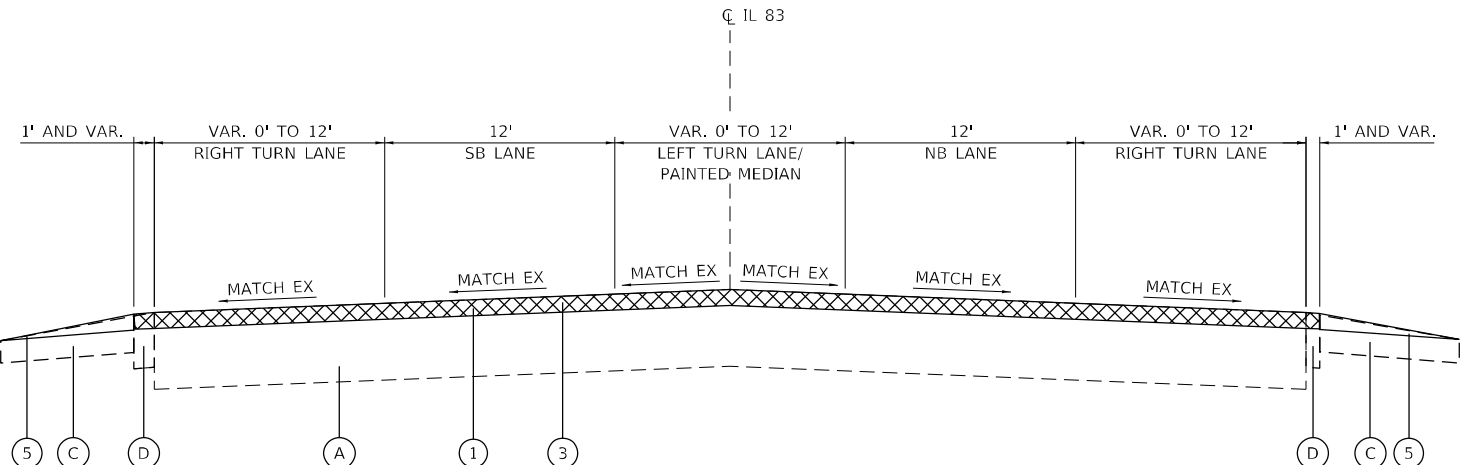
- (A) EXISTING PAVEMENT (±9" PCC WITH ±6" HMA SURFACE & VAR.)
- (B) EXISTING CURB AND GUTTER
- (C) EXISTING AGGREGATE SHOULDER
- (D) EXISTING PAVED SHOULDER

PROPOSED TYPICAL LEGEND

- (1) HMA SURFACE REMOVAL, 1½"
- (2) HMA SURFACE REMOVAL, 1¾"
- (3) HMA SURFACE COURSE, IL-9.5, MIX "D", N70 (1½")
- (4) POLYMERIZED HMA SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80 (1¾")
- (5) AGGREGATE WEDGE SHOULDER, TYPE B



TYPICAL SECTION 3
 STA 22+78 TO STA 32+80
 STA 51+92 TO STA 61+44



TYPICAL SECTION 4
 STA 40+60 TO STA 51+92
 STA 83+73 TO STA 123+48

MODEL Path: \\...
 FILE NAME: 20220506_11_DD0T D1_PFB_199-015_WO 11 IL 83_Resturfacing\DCM\Design\Prelim\RestSheet\62N67-act-hypocals.dgn



| | | |
|------------------------------|------------------|---------------------|
| USER NAME = sklerpiec | DESIGNED - AN | REVISED - JH |
| | DRAWN - AN | REVISED - SK |
| PLOT SCALE = 100,0000' / in. | CHECKED - JH | REVISED - JH |
| PLOT DATE = 9/7/2022 | DATE - 8/18/2022 | REVISED - 10/7/2022 |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

SCALE: N/A SHEET 2 OF 2 SHEETS STA. TO STA.

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|-------------|--------|--------------|-----------|
| 866 | 2021-044-R5 | LAKE | 65 | 11 |
| CONTRACT NO. 62N67 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

| SHOULDER SCHEDULE | | | |
|-------------------|----|--------|--|
| STA | TO | STA | 48102100 |
| | | | AGGREGATE WEDGE SHOULDER, TYPE B TON |
| 22+78 | | 32+80 | 20 |
| 40+60 | | 51+92 | 22 |
| 40+60 | | 61+44 | 40 |
| 83+73 | | 127+64 | 84 |
| 83+73 | | 127+64 | 84 |
| TOTAL | | | 250 |

MODEL: D:\efk\h
 FILE NAME: 20220506_11 IDOT D1 PFB 199-015_WO 11 IL B3 Resurfacing\DCM\Design\Prelim\Plotsheets\62N67-stt-schedule.dwg



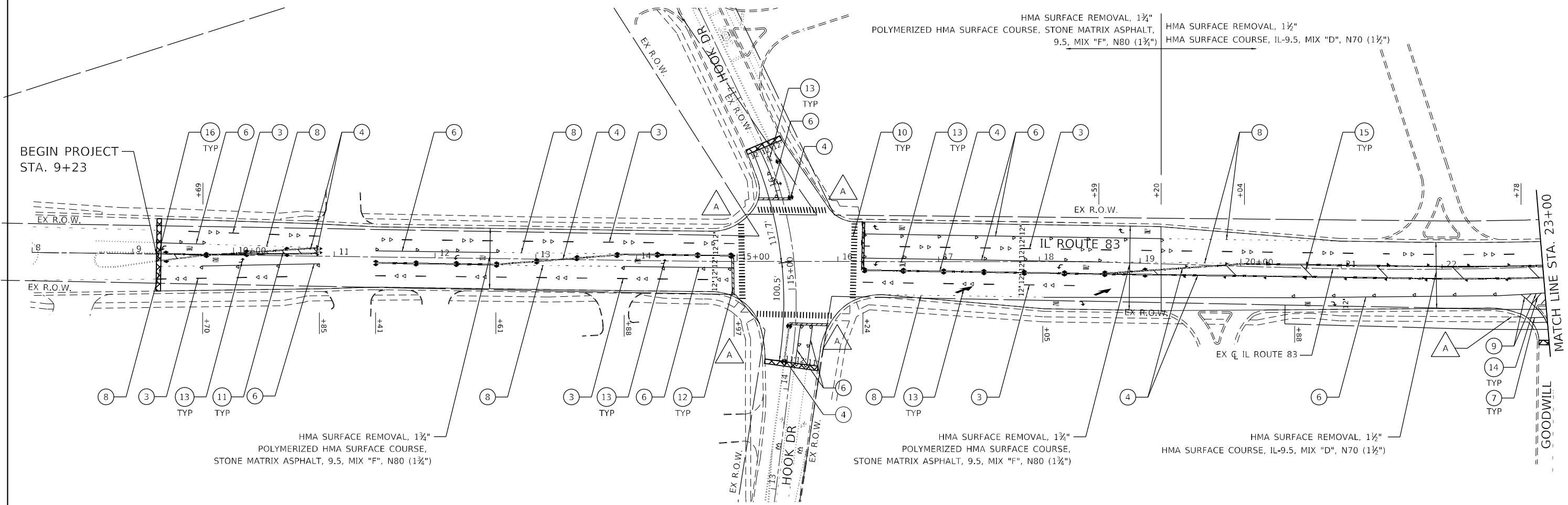
| |
|-------------------------------|
| USER NAME = sklerpiec |
| PLOT SCALE = 100,0000 ' / in. |
| PLOT DATE = 8/18/2022 |

| | |
|------------------|-----------|
| DESIGNED - AN | REVISED - |
| DRAWN - AN | REVISED - |
| CHECKED - JH | REVISED - |
| DATE - 8/18/2022 | REVISED - |




STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| | | | |
|------------------|---------|-------------|--------------|
| SCHEDULES | | | |
| SCALE: N/A | SHEET 1 | OF 1 SHEETS | STA. TO STA. |

| | | | | |
|--------------------|-------------|--------|---------------------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 866 | 2021-044-R5 | LAKE | 65 | 12 |
| CONTRACT NO. 62N67 | | | ILLINOIS FED. AID PROJECT | |



SIDEWALK LEGEND

-  CURB RAMP IMPROVEMENTS, SEE ADA CURB RAMP DETAILS PLAN
-  CURB RAMP IMPROVEMENTS, SEE PD-01
-  CURB RAMP IMPROVEMENTS, SEE PD-04

ROADWAY LEGEND

-  HMA SURFACE REMOVAL - BUTT JOINT

PAVEMENT MARKING LEGEND

- | | | | | |
|---|--|--|---|---|
| <ul style="list-style-type: none"> ① THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE) ② THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW) ③ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (10' - DASH, 30' - SKIP, WHITE) ④ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW) | <ul style="list-style-type: none"> ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (10' - DASH, 30' - SKIP, YELLOW) ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE) ⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE) PEDESTRIAN CROSSWALK ⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (2' - DASH, 6' - SKIP, WHITE) | <ul style="list-style-type: none"> ⑨ THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE) ⑩ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (CROSSWALK BARS, 2' SPACING, WHITE) ⑪ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (EQUALLY SPACED DIAGONAL, MINIMUM 5, YELLOW) ⑫ THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE) | <ul style="list-style-type: none"> ⑬ THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE) ⑭ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (10' C-C, 45° DIAGONAL, WHITE) ⑮ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (75' C-C, 45° DIAGONAL, YELLOW) ⑯ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW) | <ul style="list-style-type: none"> ▽ RAISED REFLECTIVE PAVEMENT MARKER (1-WAY CRYSTAL) ▼ RAISED REFLECTIVE PAVEMENT MARKER (1-WAY AMBER) ◆ RAISED REFLECTIVE PAVEMENT MARKER (2-WAY AMBER) |
|---|--|--|---|---|

MODEL: Default
FILE NAME: 2023.05.16.11.DDOT.D1.P7B.199.015.WO.11.IL.83.Recurfacing(DGN)Design(Prelim)Prestreets(2)N67-st-epbar.dgn

EFK Moen
Civil Engineering Design

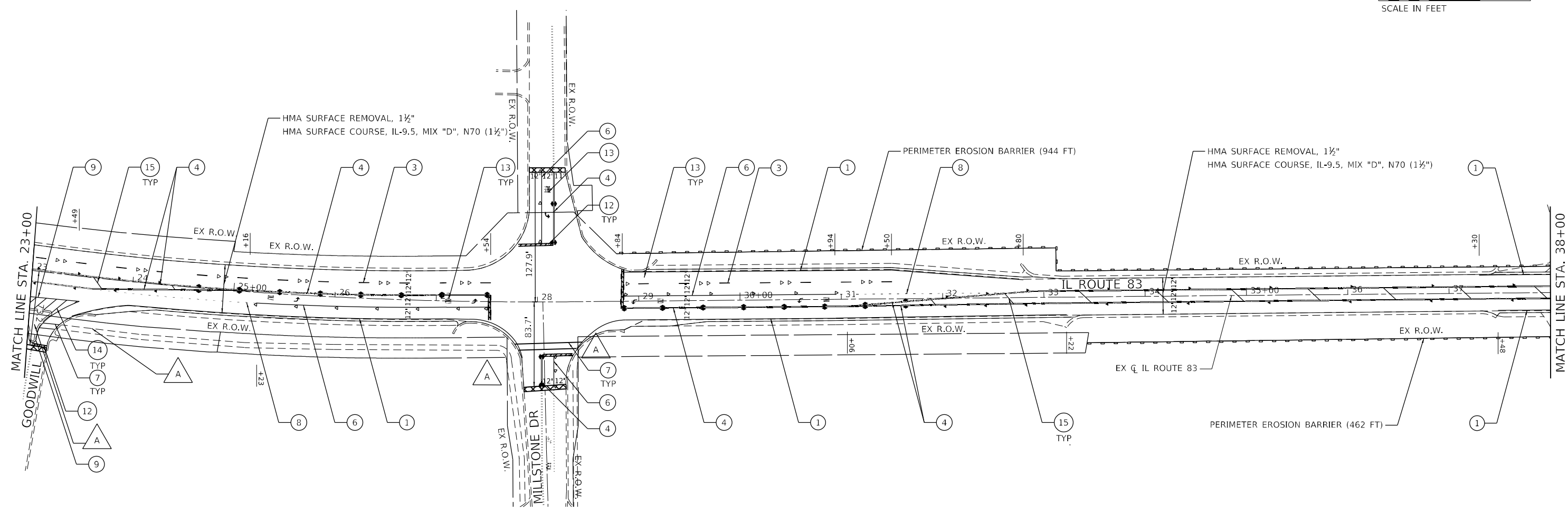
| | | |
|------------------------------|------------------|---------------------|
| USER NAME = sklerpiec | DESIGNED - AN | REVISED - JH |
| | DRAWN - AN | REVISED - SK |
| PLOT SCALE = 100,0000' / in. | CHECKED - JH | REVISED - JH |
| PLOT DATE = 9/7/2022 | DATE - 8/18/2022 | REVISED - 10/7/2022 |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION




ROADWAY AND PAVEMENT MARKING PLAN

SCALE: 1" = 50' SHEET 1 OF 10 SHEETS STA. 9+24 TO STA. 23+00

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|-------------|--------|--------------|-----------|
| 866 | 2021-044-R5 | LAKE | 65 | 13 |
| CONTRACT NO. 62N67 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |






















SIDEWALK LEGEND

-  CURB RAMP IMPROVEMENTS, SEE ADA CURB RAMP DETAILS PLAN
-  CURB RAMP IMPROVEMENTS, SEE PD-01
-  CURB RAMP IMPROVEMENTS, SEE PD-04

ROADWAY LEGEND

-  HMA SURFACE REMOVAL - BUTT JOINT

PAVEMENT MARKING LEGEND

- | | | | | |
|---|--|--|---|---|
| <ul style="list-style-type: none">  THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE)  THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW)  THERMOPLASTIC PAVEMENT MARKING - LINE 4" (10' - DASH, 30' - SKIP, WHITE)  THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW) | <ul style="list-style-type: none">  THERMOPLASTIC PAVEMENT MARKING - LINE 4" (10' - DASH, 30' - SKIP, YELLOW)  THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE)  THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE) PEDESTRIAN CROSSWALK  THERMOPLASTIC PAVEMENT MARKING - LINE 6" (2' - DASH, 6' - SKIP, WHITE) | <ul style="list-style-type: none">  THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE)  THERMOPLASTIC PAVEMENT MARKING - LINE 12" (CROSSWALK BARS, 2' SPACING, WHITE)  THERMOPLASTIC PAVEMENT MARKING - LINE 12" (EQUALLY SPACED DIAGONAL, MINIMUM 5, YELLOW)  THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE) | <ul style="list-style-type: none">  THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)  THERMOPLASTIC PAVEMENT MARKING - LINE 12" (10' C-C, 45° DIAGONAL, WHITE)  THERMOPLASTIC PAVEMENT MARKING - LINE 12" (75' C-C, 45° DIAGONAL, YELLOW)  THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW) | <ul style="list-style-type: none">  RAISED REFLECTIVE PAVEMENT MARKER (1-WAY CRYSTAL)  RAISED REFLECTIVE PAVEMENT MARKER (1-WAY AMBER)  RAISED REFLECTIVE PAVEMENT MARKER (2-WAY AMBER) |
|---|--|--|---|---|

MODEL: Default
 FILE NAME: 2023.05.16.11.DDOT.D1.P7B.199-015.WO.11.IL.83.Recurfacing.DGN.Design.Prelim.PlotSheet(62N67-stp)bar.dgn

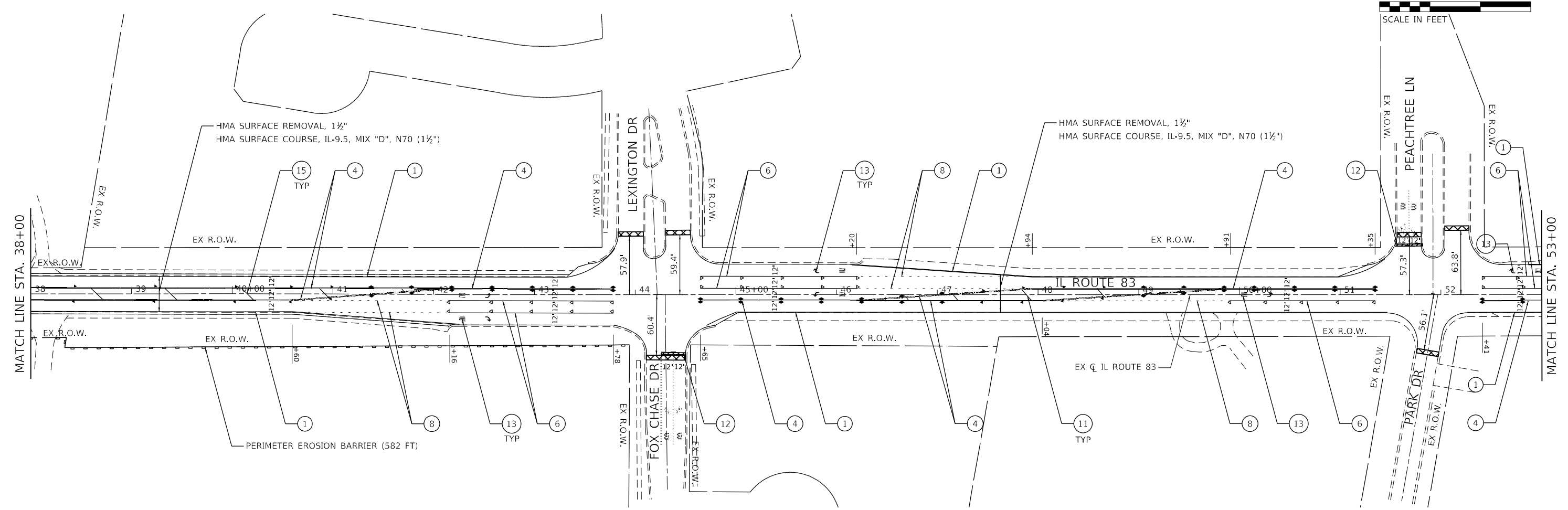


| | | |
|------------------------------|------------------|-----------|
| USER NAME = sklerpiec | DESIGNED - AN | REVISED - |
| | DRAWN - AN | REVISED - |
| PLOT SCALE = 100,0000' / in. | CHECKED - JH | REVISED - |
| PLOT DATE = 8/18/2022 | DATE - 8/18/2022 | REVISED - |




**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

| ROADWAY AND PAVEMENT MARKING PLAN | | | |
|-----------------------------------|----------------------|--------------------------|--|
| SCALE: 1" = 50' | SHEET 2 OF 10 SHEETS | STA. 23+00 TO STA. 38+00 | |

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|-------------|--------|--------------|-----------|
| 866 | 2021-044-R5 | LAKE | 65 | 14 |
| CONTRACT NO. 62N67 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |






















SIDEWALK LEGEND

-  CURB RAMP IMPROVEMENTS, SEE ADA CURB RAMP DETAILS PLAN
-  CURB RAMP IMPROVEMENTS, SEE PD-01
-  CURB RAMP IMPROVEMENTS, SEE PD-04

ROADWAY LEGEND

-  HMA SURFACE REMOVAL - BUTT JOINT

PAVEMENT MARKING LEGEND

- | | | | | |
|---|---|--|---|---|
| <ul style="list-style-type: none">  THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE)  THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW)  THERMOPLASTIC PAVEMENT MARKING - LINE 4" (10' - DASH, 30' - SKIP, WHITE)  THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW) | <ul style="list-style-type: none">  THERMOPLASTIC PAVEMENT MARKING - LINE 4" (10' - DASH, 30' - SKIP, YELLOW)  THERMOPLASTIC PAVEMENT MARKING - LINE 4" (5 1/2' C-C, YELLOW)  THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE) PEDESTRIAN CROSSWALK  THERMOPLASTIC PAVEMENT MARKING - LINE 6" (2' - DASH, 6' - SKIP, WHITE) | <ul style="list-style-type: none">  THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE)  THERMOPLASTIC PAVEMENT MARKING - LINE 12" (CROSSWALK BARS, 2' SPACING, WHITE)  THERMOPLASTIC PAVEMENT MARKING - LINE 12" (EQUALLY SPACED DIAGONAL, MINIMUM 5, YELLOW)  THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE) | <ul style="list-style-type: none">  THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)  THERMOPLASTIC PAVEMENT MARKING - LINE 12" (10' C-C, 45° DIAGONAL, WHITE)  THERMOPLASTIC PAVEMENT MARKING - LINE 12" (75' C-C, 45° DIAGONAL, YELLOW)  THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW) | <ul style="list-style-type: none">  RAISED REFLECTIVE PAVEMENT MARKER (1-WAY CRYSTAL)  RAISED REFLECTIVE PAVEMENT MARKER (1-WAY AMBER)  RAISED REFLECTIVE PAVEMENT MARKER (2-WAY AMBER) |
|---|---|--|---|---|

MODEL: Defaul; FILE NAME: 2022.05.11.DDOT.D1.PFB.199.015.WO.11.IL.83.Recurfctg(DGN)Design\Prelim\RestSheet\62N67-ct-01a.dgn

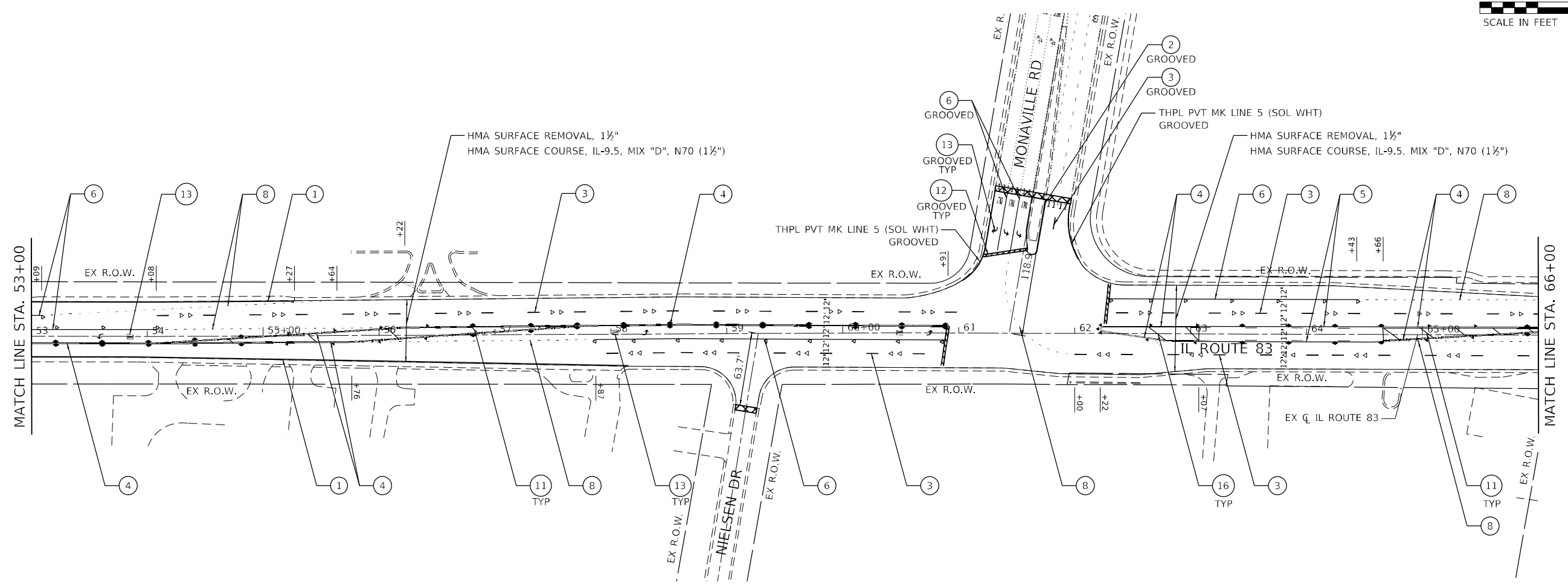


| | | |
|------------------------------|------------------|-----------|
| USER NAME = sklerpiec | DESIGNED - AN | REVISED - |
| | DRAWN - AN | REVISED - |
| PLOT SCALE = 100,0000' / in. | CHECKED - JH | REVISED - |
| PLOT DATE = 8/18/2022 | DATE - 8/18/2022 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| | | | |
|--|----------------------|--------------------------|--|
| ROADWAY AND PAVEMENT MARKING PLAN | | | |
| SCALE: 1" = 50' | SHEET 3 OF 10 SHEETS | STA. 38+00 TO STA. 53+00 | |

| | | | | |
|---------------------------|-------------|--------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 866 | 2021-044-R5 | LAKE | 65 | 15 |
| CONTRACT NO. 62N67 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



SIDEWALK LEGEND

- A CURB RAMP IMPROVEMENTS, SEE ADA CURB RAMP DETAILS PLAN
- B CURB RAMP IMPROVEMENTS, SEE PD-01
- C CURB RAMP IMPROVEMENTS, SEE PD-04

ROADWAY LEGEND

- HMA SURFACE REMOVAL - BUTT JOINT

PAVEMENT MARKING LEGEND

- | | | | | |
|--|---|--|---|---|
| ① THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE) | ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (10' - DASH, 30' - SKIP, YELLOW) | ⑨ THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE) | ⑬ THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE) | ▽ RAISED REFLECTIVE PAVEMENT MARKER (1-WAY CRYSTAL) |
| ② THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW) | ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE) | ⑩ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (CROSSWALK BARS, 2' SPACING, WHITE) | ⑭ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (10' C-C, 45° DIAGONAL, WHITE) | ▼ RAISED REFLECTIVE PAVEMENT MARKER (1-WAY AMBER) |
| ③ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (10' - DASH, 30' - SKIP, WHITE) | ⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE) PEDESTRIAN CROSSWALK | ⑪ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (EQUALLY SPACED DIAGONAL, MINIMUM 5, YELLOW) | ⑮ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (75' C-C, 45° DIAGONAL, YELLOW) | ◆ RAISED REFLECTIVE PAVEMENT MARKER (2-WAY AMBER) |
| ④ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW) | ⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (2' - DASH, 6' - SKIP, WHITE) | ⑫ THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE) | ⑯ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW) | |

MODEL: D:\efk\...
 FILE NAME: 2023_05_16_11_11_03_Resurfacing\DCM\Design\Prelim\Road\Sheet\62N67-ct-epb-ar.dgn



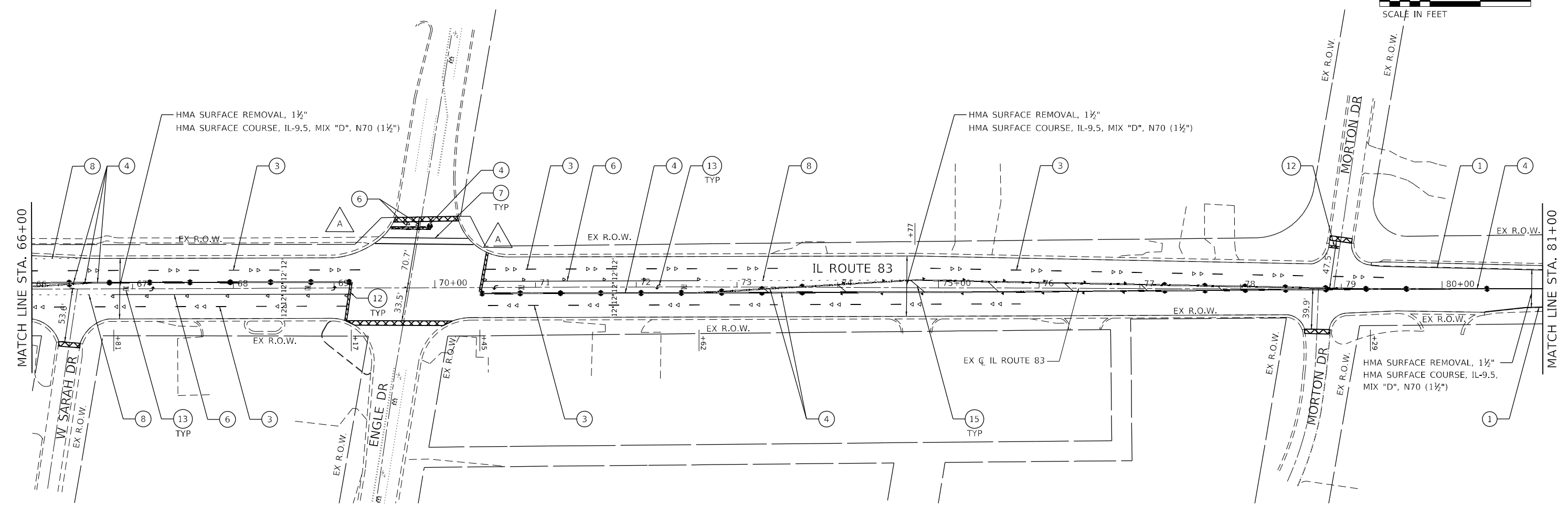
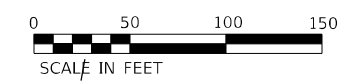
| | | |
|------------------------------|------------------|---------------------|
| USER NAME = sklerpiec | DESIGNED - AN | REVISED - JH |
| | DRAWN - AN | REVISED - SK |
| PLOT SCALE = 100,0000' / in. | CHECKED - JH | REVISED - JH |
| PLOT DATE = 10/3/2022 | DATE - 8/18/2022 | REVISED - 10/7/2022 |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ROADWAY AND PAVEMENT MARKING PLAN

SCALE: 1" = 50' SHEET 4 OF 10 SHEETS STA. 53+00 TO STA. 66+00

| | | | | |
|---------------------------|-------------|--------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 866 | 2021-044-R5 | LAKE | 65 | 16 |
| CONTRACT NO. 62N67 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



SIDEWALK LEGEND

- CURB RAMP IMPROVEMENTS, SEE ADA CURB RAMP DETAILS PLAN
- CURB RAMP IMPROVEMENTS, SEE PD-01
- CURB RAMP IMPROVEMENTS, SEE PD-04

ROADWAY LEGEND

- HMA SURFACE REMOVAL - BUTT JOINT

PAVEMENT MARKING LEGEND

- | | | | | |
|---|--|--|---|---|
| <ul style="list-style-type: none"> ① THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE) ② THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW) ③ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (10' - DASH, 30' - SKIP, WHITE) ④ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW) | <ul style="list-style-type: none"> ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (10' - DASH, 30' - SKIP, YELLOW) ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE) ⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE) PEDESTRIAN CROSSWALK ⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (2' - DASH, 6' - SKIP, WHITE) | <ul style="list-style-type: none"> ⑨ THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE) ⑩ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (CROSSWALK BARS, 2' SPACING, WHITE) ⑪ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (EQUALLY SPACED DIAGONAL, MINIMUM 5, YELLOW) ⑫ THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE) | <ul style="list-style-type: none"> ⑬ THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE) ⑭ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (10' C-C, 45° DIAGONAL, WHITE) ⑮ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (75' C-C, 45° DIAGONAL, YELLOW) ⑯ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW) | <ul style="list-style-type: none"> ▽ RAISED REFLECTIVE PAVEMENT MARKER (1-WAY CRYSTAL) ▼ RAISED REFLECTIVE PAVEMENT MARKER (1-WAY AMBER) ◆ RAISED REFLECTIVE PAVEMENT MARKER (2-WAY AMBER) |
|---|--|--|---|---|

MODEL: D:\efk\...
 FILE NAME: 20220816_11_DD0T.D1_PFB_199-015_WO_11_IL_83_Resurfacing\DCM\Design\Prelim\Road\Sheet\62N67-ct-01a.dgn



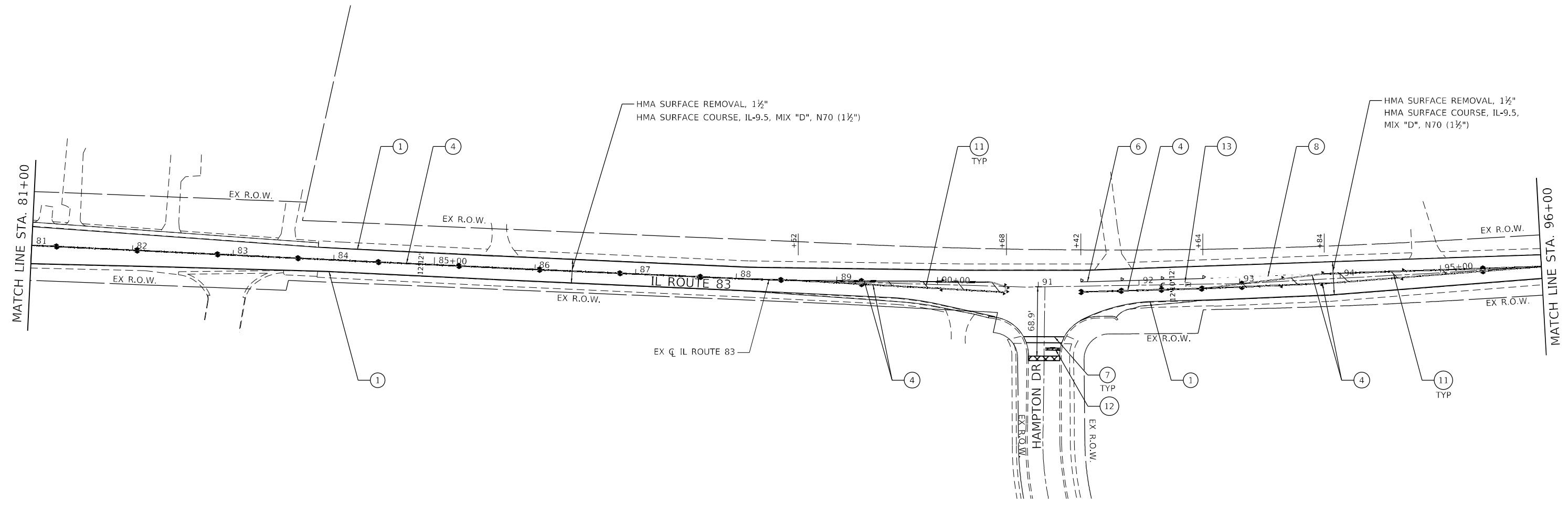
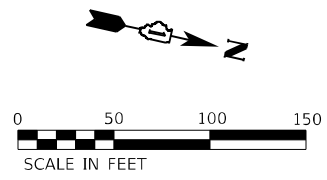
| | | |
|------------------------------|------------------|-----------|
| USER NAME = sklierpiec | DESIGNED - AN | REVISED - |
| PLOT SCALE = 100,0000' / in. | DRAWN - AN | REVISED - |
| PLOT DATE = 8/18/2022 | CHECKED - JH | REVISED - |
| | DATE - 8/18/2022 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**




ROADWAY AND PAVEMENT MARKING PLAN

SCALE: 1" = 50' SHEET 5 OF 10 SHEETS STA. 66+00 TO STA. 81+00

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|-------------|--------|--------------|-----------|
| 866 | 2021-044-R5 | LAKE | 65 | 17 |
| CONTRACT NO. 62N67 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |






















SIDEWALK LEGEND

-  CURB RAMP IMPROVEMENTS, SEE ADA CURB RAMP DETAILS PLAN
-  CURB RAMP IMPROVEMENTS, SEE PD-01
-  CURB RAMP IMPROVEMENTS, SEE PD-04

ROADWAY LEGEND

-  HMA SURFACE REMOVAL - BUTT JOINT

PAVEMENT MARKING LEGEND

- | | | | | |
|---|---|--|---|---|
| <ul style="list-style-type: none">  THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE)  THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW)  THERMOPLASTIC PAVEMENT MARKING - LINE 4" (10' - DASH, 30' - SKIP, WHITE)  THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW) | <ul style="list-style-type: none">  THERMOPLASTIC PAVEMENT MARKING - LINE 4" (10' - DASH, 30' - SKIP, YELLOW)  THERMOPLASTIC PAVEMENT MARKING - LINE 4" (5 1/2' C-C, YELLOW)  THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE) PEDESTRIAN CROSSWALK  THERMOPLASTIC PAVEMENT MARKING - LINE 6" (2' - DASH, 6' - SKIP, WHITE) | <ul style="list-style-type: none">  THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE)  THERMOPLASTIC PAVEMENT MARKING - LINE 12" (CROSSWALK BARS, 2' SPACING, WHITE)  THERMOPLASTIC PAVEMENT MARKING - LINE 12" (EQUALLY SPACED DIAGONAL, MINIMUM 5, YELLOW)  THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE) | <ul style="list-style-type: none">  THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)  THERMOPLASTIC PAVEMENT MARKING - LINE 12" (10' C-C, 45° DIAGONAL, WHITE)  THERMOPLASTIC PAVEMENT MARKING - LINE 12" (75' C-C, 45° DIAGONAL, YELLOW)  THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW) | <ul style="list-style-type: none">  RAISED REFLECTIVE PAVEMENT MARKER (1-WAY CRYSTAL)  RAISED REFLECTIVE PAVEMENT MARKER (1-WAY AMBER)  RAISED REFLECTIVE PAVEMENT MARKER (2-WAY AMBER) |
|---|---|--|---|---|

MODEL: D:\efk\p\...
 FILE NAME: 2022_05_16_11_11_11_IL_83_Resurfacing\DCM\Design\Prelim\Road\Sheet\62N67-act-pln.dgn



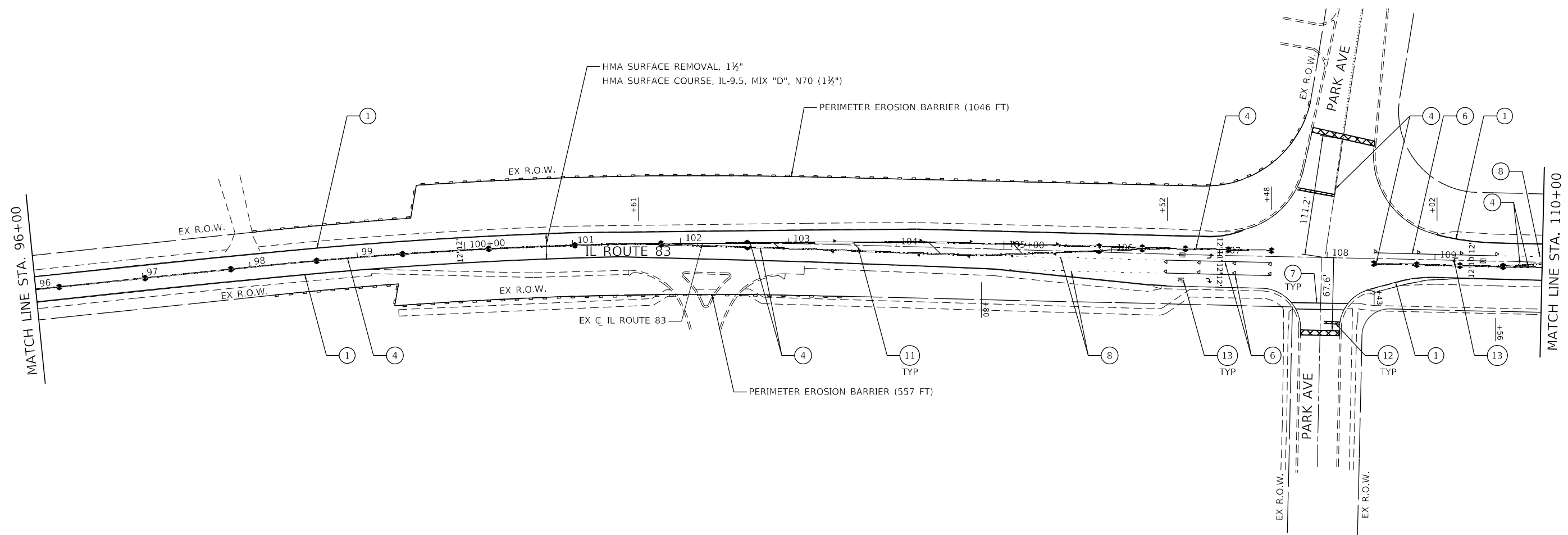
| | | |
|------------------------------|------------------|---------------------|
| USER NAME = sklerpiec | DESIGNED - AN | REVISED - JH |
| | DRAWN - AN | REVISED - SK |
| PLOT SCALE = 100,0000' / in. | CHECKED - JH | REVISED - JH |
| PLOT DATE = 10/6/2022 | DATE - 8/18/2022 | REVISED - 10/7/2022 |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ROADWAY AND PAVEMENT MARKING PLAN

SCALE: 1" = 50' SHEET 6 OF 10 SHEETS STA. 81+00 TO STA. 96+00

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|-------------|--------|--------------|-----------|
| 866 | 2021-044-R5 | LAKE | 65 | 18 |
| CONTRACT NO. 62N67 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



SIDEWALK LEGEND

- A CURB RAMP IMPROVEMENTS, SEE ADA CURB RAMP DETAILS PLAN
- B CURB RAMP IMPROVEMENTS, SEE PD-01
- C CURB RAMP IMPROVEMENTS, SEE PD-04

ROADWAY LEGEND

- HMA SURFACE REMOVAL - BUTT JOINT

PAVEMENT MARKING LEGEND

- | | | | | |
|--|---|---|--|---|
| 1 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE) | 5 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (10' - DASH, 30' - SKIP, YELLOW) | 9 THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE) | 13 THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE) | ▽ RAISED REFLECTIVE PAVEMENT MARKER (1-WAY CRYSTAL) |
| 2 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW) | 6 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE) | 10 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (CROSSWALK BARS, 2' SPACING, WHITE) | 14 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (10' C-C, 45° DIAGONAL, WHITE) | ▼ RAISED REFLECTIVE PAVEMENT MARKER (1-WAY AMBER) |
| 3 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (10' - DASH, 30' - SKIP, WHITE) | 7 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE) PEDESTRIAN CROSSWALK | 11 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (EQUALLY SPACED DIAGONAL, MINIMUM 5, YELLOW) | 15 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (75' C-C, 45° DIAGONAL, YELLOW) | ◆ RAISED REFLECTIVE PAVEMENT MARKER (2-WAY AMBER) |
| 4 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW) | 8 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (2' - DASH, 6' - SKIP, WHITE) | 12 THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE) | 16 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW) | |

MODEL: Default
FILE NAME: 2022.05.16.11.DDOT.D1.PFB.199.015.WO.11.IL.83.RoadwayDesign\RoadwayDesign\RoadwayDesign\RoadwayDesign\RoadwayDesign\RoadwayDesign.dgn



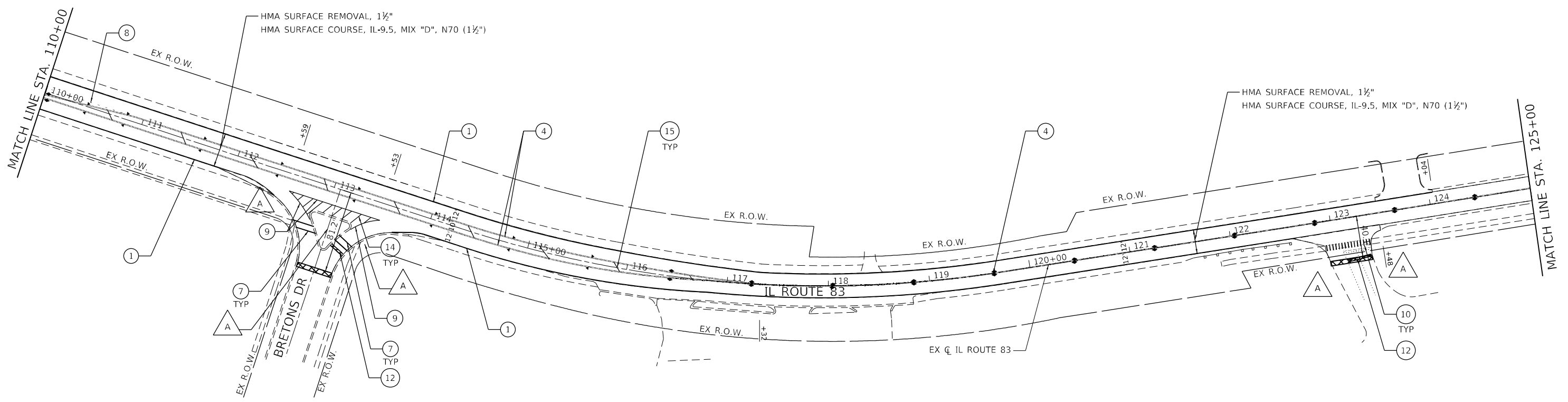
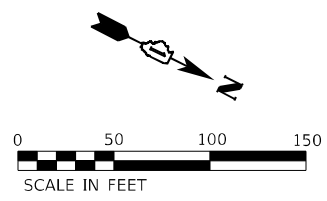
| | | |
|------------------------------|------------------|---------------------|
| USER NAME = sklerpiec | DESIGNED - AN | REVISED - JH |
| | DRAWN - AN | REVISED - SK |
| PLOT SCALE = 100,0000' / in. | CHECKED - JH | REVISED - JH |
| PLOT DATE = 10/6/2022 | DATE - 8/18/2022 | REVISED - 10/7/2022 |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ROADWAY AND PAVEMENT MARKING PLAN

SCALE: 1" = 50' SHEET 7 OF 10 SHEETS STA. 96+00 TO STA. 110+00

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|-------------|--------|--------------|-----------|
| 866 | 2021-044-R5 | LAKE | 65 | 19 |
| CONTRACT NO. 62N67 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



SIDEWALK LEGEND

- CURB RAMP IMPROVEMENTS, SEE ADA CURB RAMP DETAILS PLAN
- CURB RAMP IMPROVEMENTS, SEE PD-01
- CURB RAMP IMPROVEMENTS, SEE PD-04

ROADWAY LEGEND

- HMA SURFACE REMOVAL - BUTT JOINT

PAVEMENT MARKING LEGEND

- | | | | | |
|---|--|--|---|--|
| <ul style="list-style-type: none"> THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (10' - DASH, 30' - SKIP, WHITE) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW) | <ul style="list-style-type: none"> THERMOPLASTIC PAVEMENT MARKING - LINE 4" (10' - DASH, 30' - SKIP, YELLOW) THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE) THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE) PEDESTRIAN CROSSWALK THERMOPLASTIC PAVEMENT MARKING - LINE 6" (2' - DASH, 6' - SKIP, WHITE) | <ul style="list-style-type: none"> THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (CROSSWALK BARS, 2' SPACING, WHITE) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (EQUALLY SPACED DIAGONAL, MINIMUM 5, YELLOW) THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE) | <ul style="list-style-type: none"> THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (10' C-C, 45° DIAGONAL, WHITE) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (75' C-C, 45° DIAGONAL, YELLOW) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW) | <ul style="list-style-type: none"> RAISED REFLECTIVE PAVEMENT MARKER (1-WAY CRYSTAL) RAISED REFLECTIVE PAVEMENT MARKER (1-WAY AMBER) RAISED REFLECTIVE PAVEMENT MARKER (2-WAY AMBER) |
|---|--|--|---|--|

MODEL: D:\efk\...
 FILE NAME: 20210516_11_DD0T.D1_PFB_199-015_WO_11_IL_83_Resurfacing\DCAD\Design\Prelim\Road\Sheet\62N67-8-1.pbx.dgn



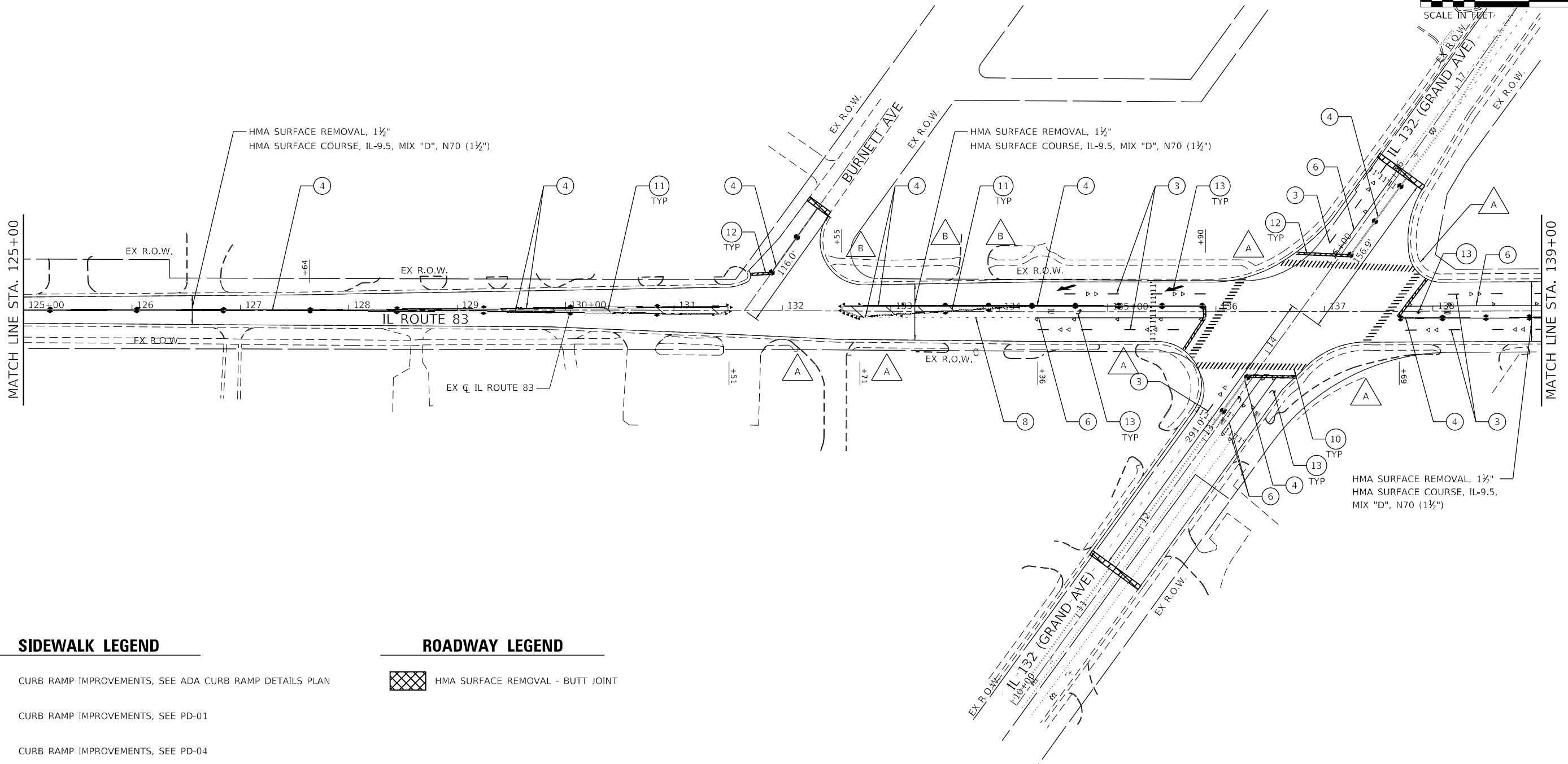
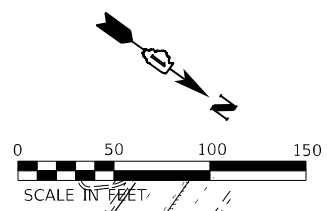
| | | |
|------------------------------|------------------|-----------|
| USER NAME = sklerpiec | DESIGNED - AN | REVISED - |
| | DRAWN - AN | REVISED - |
| PLOT SCALE = 100,0000' / in. | CHECKED - JH | REVISED - |
| PLOT DATE = 8/18/2022 | DATE - 8/18/2022 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**




ROADWAY AND PAVEMENT MARKING PLAN

SCALE: 1" = 50' SHEET 8 OF 10 SHEETS STA. 110+00 TO STA. 125+00

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|-------------|--------|--------------|-----------|
| 866 | 2021-044-R5 | LAKE | 65 | 20 |
| CONTRACT NO. 62N67 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



SIDEWALK LEGEND

-  CURB RAMP IMPROVEMENTS, SEE ADA CURB RAMP DETAILS PLAN
-  CURB RAMP IMPROVEMENTS, SEE PD-01
-  CURB RAMP IMPROVEMENTS, SEE PD-04

ROADWAY LEGEND

-  HMA SURFACE REMOVAL - BUTT JOINT

PAVEMENT MARKING LEGEND

- | | | | | |
|---|--|--|---|---|
| <ul style="list-style-type: none"> ① THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE) ② THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW) ③ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (10' - DASH, 30' - SKIP, WHITE) ④ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW) | <ul style="list-style-type: none"> ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (10' - DASH, 30' - SKIP, YELLOW) ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE) ⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE) PEDESTRIAN CROSSWALK ⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (2' - DASH, 6' - SKIP, WHITE) | <ul style="list-style-type: none"> ⑨ THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE) ⑩ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (CROSSWALK BARS, 2' SPACING, WHITE) ⑪ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (EQUALLY SPACED DIAGONAL, MINIMUM 5, YELLOW) ⑫ THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE) | <ul style="list-style-type: none"> ⑬ THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE) ⑭ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (10' C-C, 45° DIAGONAL, WHITE) ⑮ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (75' C-C, 45° DIAGONAL, YELLOW) ⑯ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW) | <ul style="list-style-type: none"> ▽ RAISED REFLECTIVE PAVEMENT MARKER (1-WAY CRYSTAL) ▼ RAISED REFLECTIVE PAVEMENT MARKER (1-WAY AMBER) ◆ RAISED REFLECTIVE PAVEMENT MARKER (2-WAY AMBER) |
|---|--|--|---|---|

MODEL: D:\efk\...
 FILE NAME: 2022.05.16.11.DDOT.D1.P7B.199-015.WO.11.IL.83.Recurfctg\DCM\Design\Prelim\Road\Sheet\62N67-ct-epb-ar.dgn



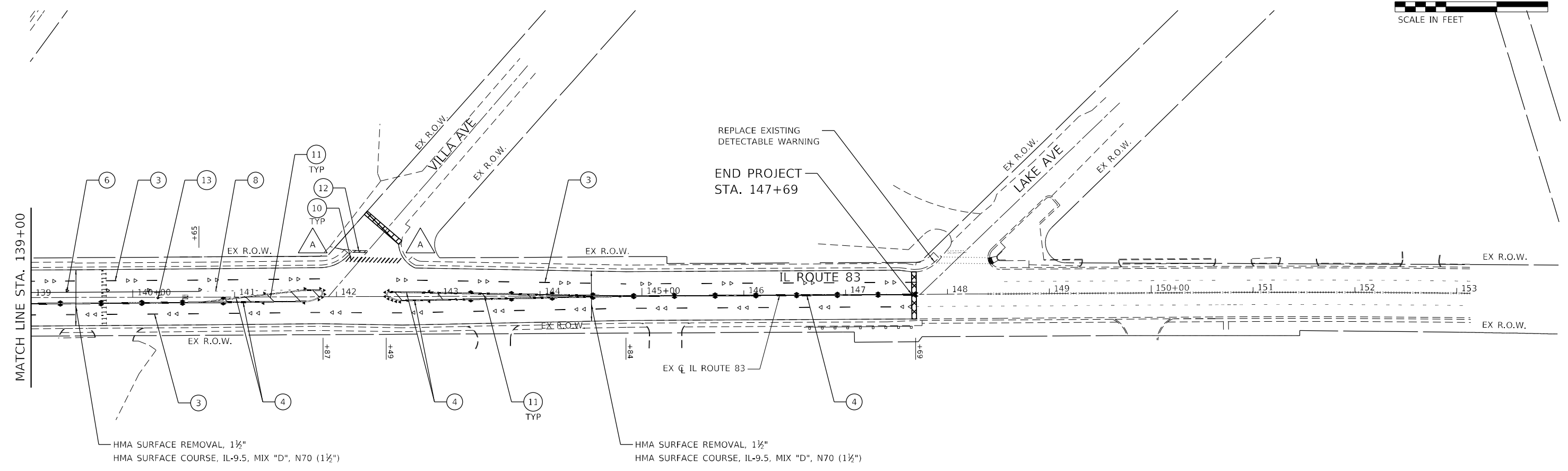
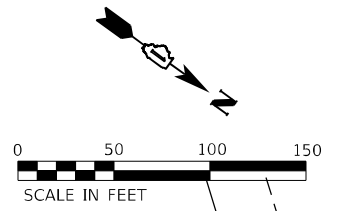
| | | |
|------------------------------|------------------|---------------------|
| USER NAME = sklerpiec | DESIGNED - AN | REVISED - JH |
| | DRAWN - AN | REVISED - SK |
| PLOT SCALE = 100,0000' / in. | CHECKED - JH | REVISED - JH |
| PLOT DATE = 9/14/2022 | DATE - 8/18/2022 | REVISED - 10/7/2022 |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**




ROADWAY AND PAVEMENT MARKING PLAN

SCALE: 1" = 50' SHEET 9 OF 10 SHEETS STA. 125+00 TO STA. 139+00

| | | | | |
|---------------------------|-------------|--------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 866 | 2021-044-R5 | LAKE | 65 | 21 |
| CONTRACT NO. 62N67 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



SIDEWALK LEGEND

-  CURB RAMP IMPROVEMENTS, SEE ADA CURB RAMP DETAILS PLAN
-  CURB RAMP IMPROVEMENTS, SEE PD-01
-  CURB RAMP IMPROVEMENTS, SEE PD-04

ROADWAY LEGEND

-  HMA SURFACE REMOVAL - BUTT JOINT

PAVEMENT MARKING LEGEND

- | | | | | |
|---|--|--|---|---|
| <ul style="list-style-type: none"> ① THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE) ② THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW) ③ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (10' - DASH, 30' - SKIP, WHITE) ④ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW) | <ul style="list-style-type: none"> ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (10' - DASH, 30' - SKIP, YELLOW) ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE) ⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE) PEDESTRIAN CROSSWALK ⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (2' - DASH, 6' - SKIP, WHITE) | <ul style="list-style-type: none"> ⑨ THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE) ⑩ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (CROSSWALK BARS, 2' SPACING, WHITE) ⑪ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (EQUALLY SPACED DIAGONAL, MINIMUM 5, YELLOW) ⑫ THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE) | <ul style="list-style-type: none"> ⑬ THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE) ⑭ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (10' C-C, 45° DIAGONAL, WHITE) ⑮ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (75' C-C, 45° DIAGONAL, YELLOW) ⑯ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW) | <ul style="list-style-type: none"> ▽ RAISED REFLECTIVE PAVEMENT MARKER (1-WAY CRYSTAL) ▼ RAISED REFLECTIVE PAVEMENT MARKER (1-WAY AMBER) ◆ RAISED REFLECTIVE PAVEMENT MARKER (2-WAY AMBER) |
|---|--|--|---|---|

MODEL: D:\efk\h...
 FILE NAME: 2022_03_10_10:56_11.DDOT.D1.PFB_199-015_WO_11_IL_83_Resurfacing\DCM\Design\Prelim\Road\Sheet\62N67-ct-01a.dgn

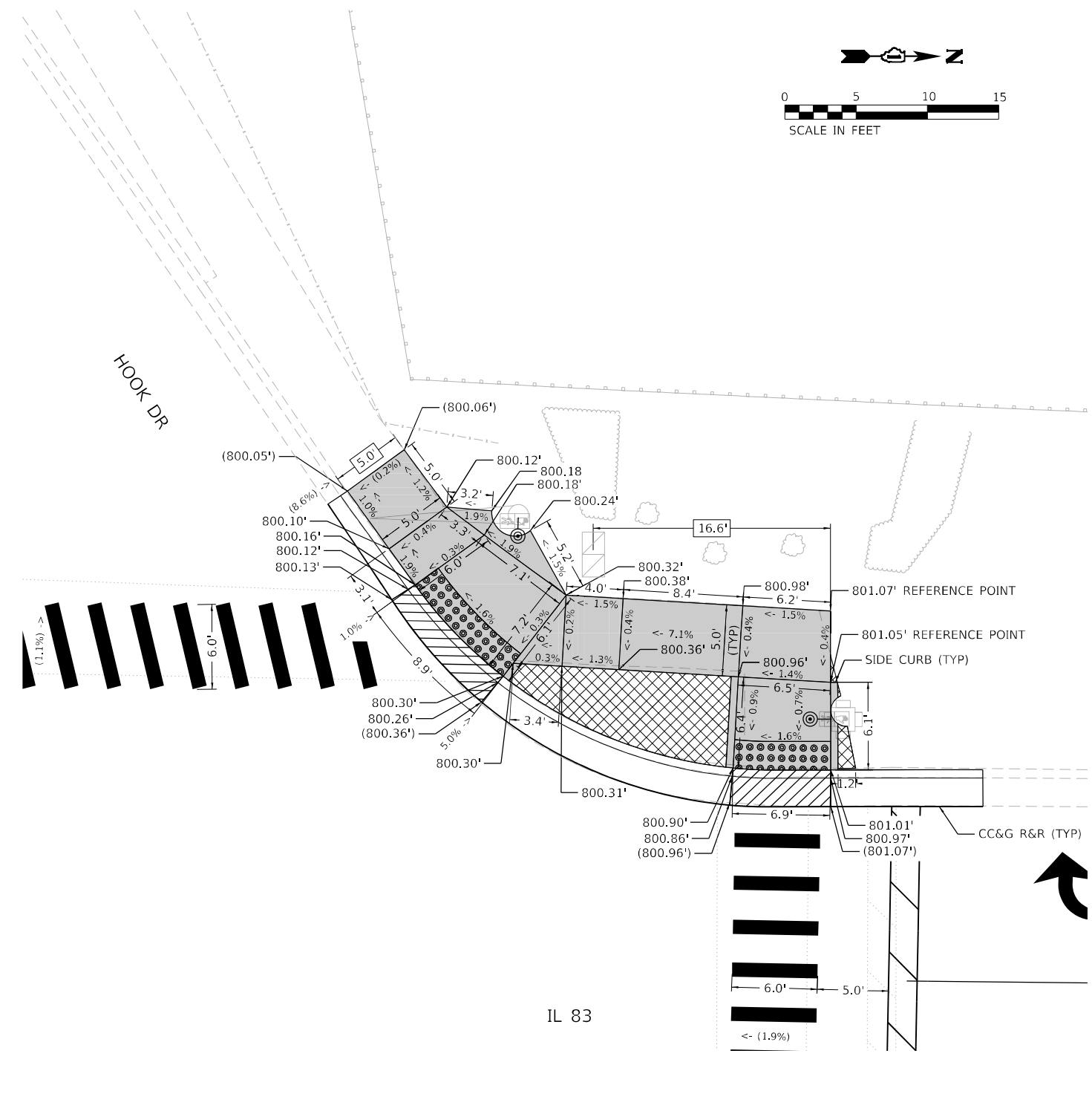
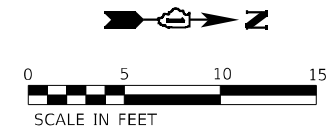
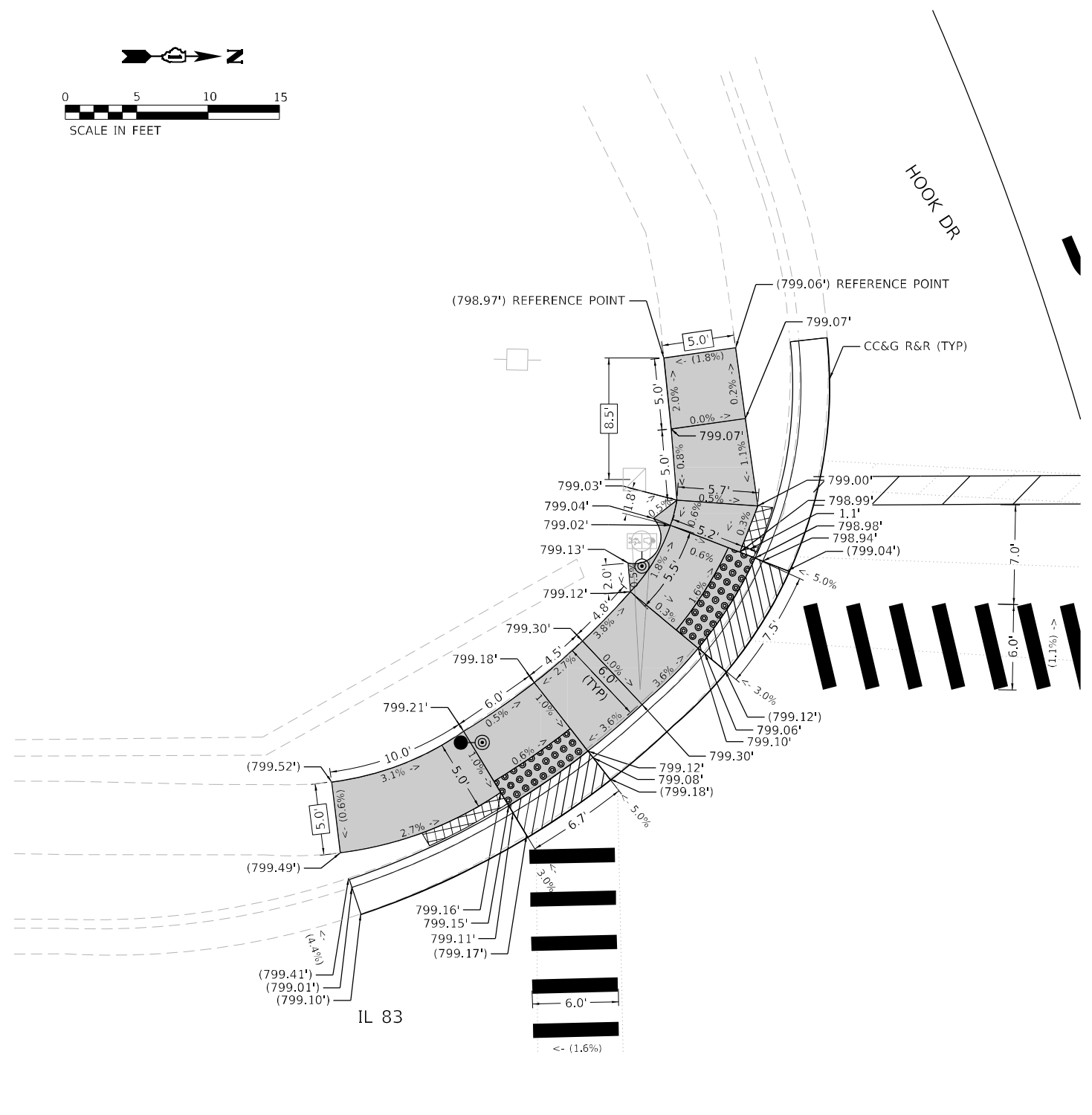
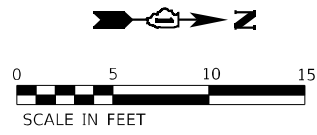


| | | |
|------------------------------|------------------|-----------|
| USER NAME = skierpiec | DESIGNED - AN | REVISED - |
| | DRAWN - AN | REVISED - |
| PLOT SCALE = 100,0000' / in. | CHECKED - JH | REVISED - |
| PLOT DATE = 8/18/2022 | DATE - 8/18/2022 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

| ROADWAY AND PAVEMENT MARKING PLAN | | | |
|-----------------------------------|-----------------------|----------------------------|--|
| SCALE: 1" = 50' | SHEET 10 OF 10 SHEETS | STA. 139+00 TO STA. 147+69 | |

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|-------------|--------|--------------|-----------|
| 866 | 2021-044-R5 | LAKE | 65 | 22 |
| CONTRACT NO. 62N67 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



- NOTES:**
1. AT DEPRESSED CURBS, ADJACENT TO CURB RAMPS ACCESSIBLE TO THE DISABLED, THE GUTTER FLAG SLOPE SHALL BE -5% UNLESS NOTED OTHERWISE.
 2. REFERENCE POINT TIE DIMENSIONS ARE TO CENTER OF ITEM TIED TO OR TO B/C.
 3. CURB AND GUTTER OR B-CURB REMOVAL AND REPLACEMENT PAID FOR AS X4400501 OR X4400503 REGARDLESS OF GUTTER WIDTH OR CURB HEIGHT.
 4. SIDEWALK REPLACEMENT LIMITS ARE TO EXISTING JOINT LOCATIONS UNLESS OTHERWISE NOTED.

LEGEND

| | | | |
|--|--|--|---|
| XX.XX' | EXISTING LENGTH | | ACCESSIBLE PEDESTRIAN SIGNALS (SEE APS PLANS) |
| () | EXISTING ELEVATION / SLOPE | | PEDESTRIAN SIGNAL POST, 5FT. (SEE APS PLANS) |
| | PROPOSED SIDEWALK | | |
| | DETECTABLE WARNINGS | | |
| | SIDEWALK REMOVAL REPLACE WITH TOPSOIL AND SOD | | |
| | DEPRESSED CURB AND GUTTER | | |

REFERENCE BENCHMARK 1490 EL 804.47' (NOT SHOWN)
 BENCHMARK: CUT SQUARE NW CORNER TCB
 LOCATION: NE CORNER OF IL 83 AND HOOK DR

MODEL: D:\efk\11 DOT D1 PFB 199-015_WO_11_IL_83_Resurfacing\DCM\Design\Prelim\Plan\Sheet\62N67-ct-detail-ADA Ramp-01.dgn
 FILE NAME: 2023_10_26_11 DOT D1 PFB 199-015_WO_11_IL_83_Resurfacing\DCM\Design\Prelim\Plan\Sheet\62N67-ct-detail-ADA Ramp-01.dgn



| | | |
|-----------------------------|------------------|---------------------|
| USER NAME = skierpiec | DESIGNED - SK | REVISED - JH |
| | DRAWN - SK | REVISED - SK |
| PLOT SCALE = 10,0000' / in. | CHECKED - AN | REVISED - JH |
| PLOT DATE = 9/8/2022 | DATE - 8/18/2022 | REVISED - 10/7/2022 |

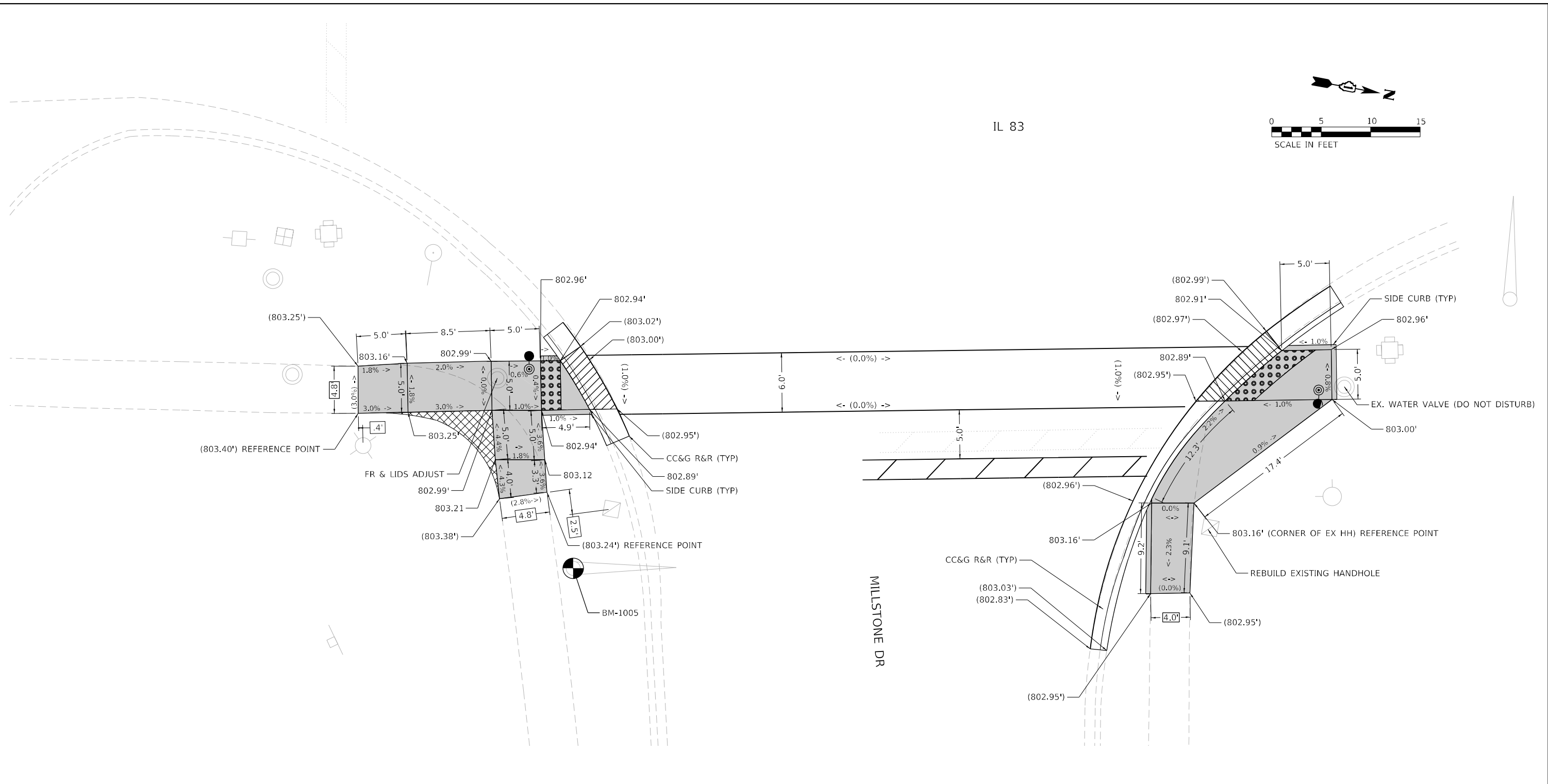
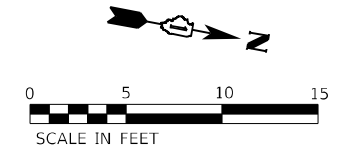
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS
HOOK DR

SCALE: 1" = 5' SHEET 1 OF 12 SHEETS STA. TO STA.

| | | | | |
|--------------------|-------------|----------|------------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 866 | 2021-044-R5 | LAKE | 65 | 23 |
| CONTRACT NO. 62N67 | | | | |
| | | ILLINOIS | FED. AID PROJECT | |

IL 83



REFERENCE BENCHMARK 1005 EL 803.49'
 BENCHMARK: CUT SQUARE IN W CONC BASE OF TS W/ ARM
 LOCATION: SE CORNER OF IL 83 AND MILLSTONE DR

LEGEND

| | | | |
|--|---|--|---|
| | EXISTING LENGTH | | ACCESSIBLE PEDESTRIAN SIGNALS (SEE APS PLANS) |
| | EXISTING ELEVATION / SLOPE | | PEDESTRIAN SIGNAL POST, 5FT. (SEE APS PLANS) |
| | PROPOSED SIDEWALK | | |
| | DETECTABLE WARNINGS | | |
| | SIDEWALK REMOVAL REPLACE WITH TOPSOIL AND SOD | | |
| | DEPRESSED CURB AND GUTTER | | |

- NOTES:**
- AT DEPRESSED CURBS, ADJACENT TO CURB RAMPS ACCESSIBLE TO THE DISABLED, THE GUTTER FLAG SLOPE SHALL BE -5% UNLESS NOTED OTHERWISE.
 - REFERENCE POINT TIE DIMENSIONS ARE TO CENTER OF ITEM TIED TO OR TO B/C.
 - CURB AND GUTTER OR B-CURB REMOVAL AND REPLACEMENT PAID FOR AS X4400501 OR X4400503 REGARDLESS OF GUTTER WIDTH OR CURB HEIGHT.
 - SIDEWALK REPLACEMENT LIMITS ARE TO EXISTING JOINT LOCATIONS UNLESS OTHERWISE NOTED.

MODEL: D:\efk\11 DOT D1 17B 199-015_WO 11 IL 83 Resurfacing\DCM\Design\Prelim\17Bsheet1\21671-17B-sheet1-ADA Ramp-04.dgn
 FILE NAME: 21671-0156_11 DOT D1 17B 199-015_WO 11 IL 83 Resurfacing\DCM\Design\Prelim\17Bsheet1\21671-17B-sheet1-ADA Ramp-04.dgn



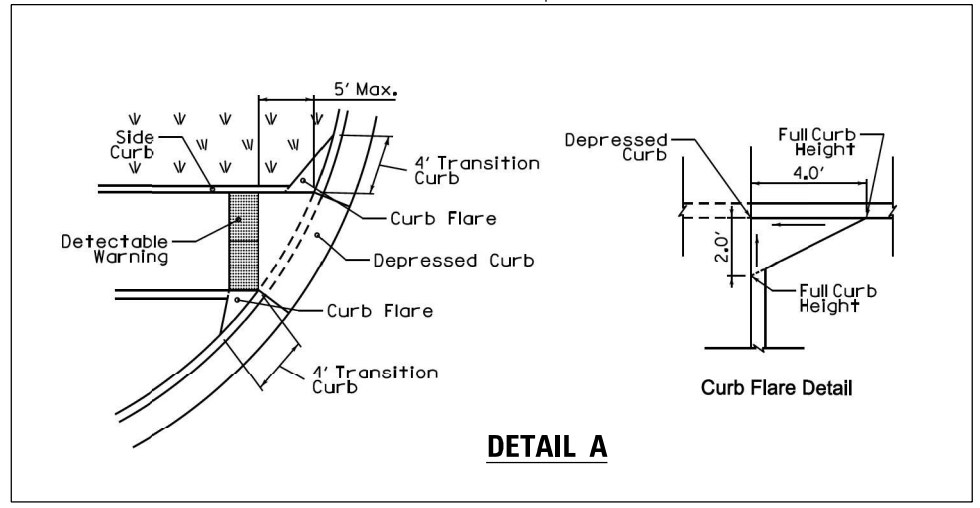
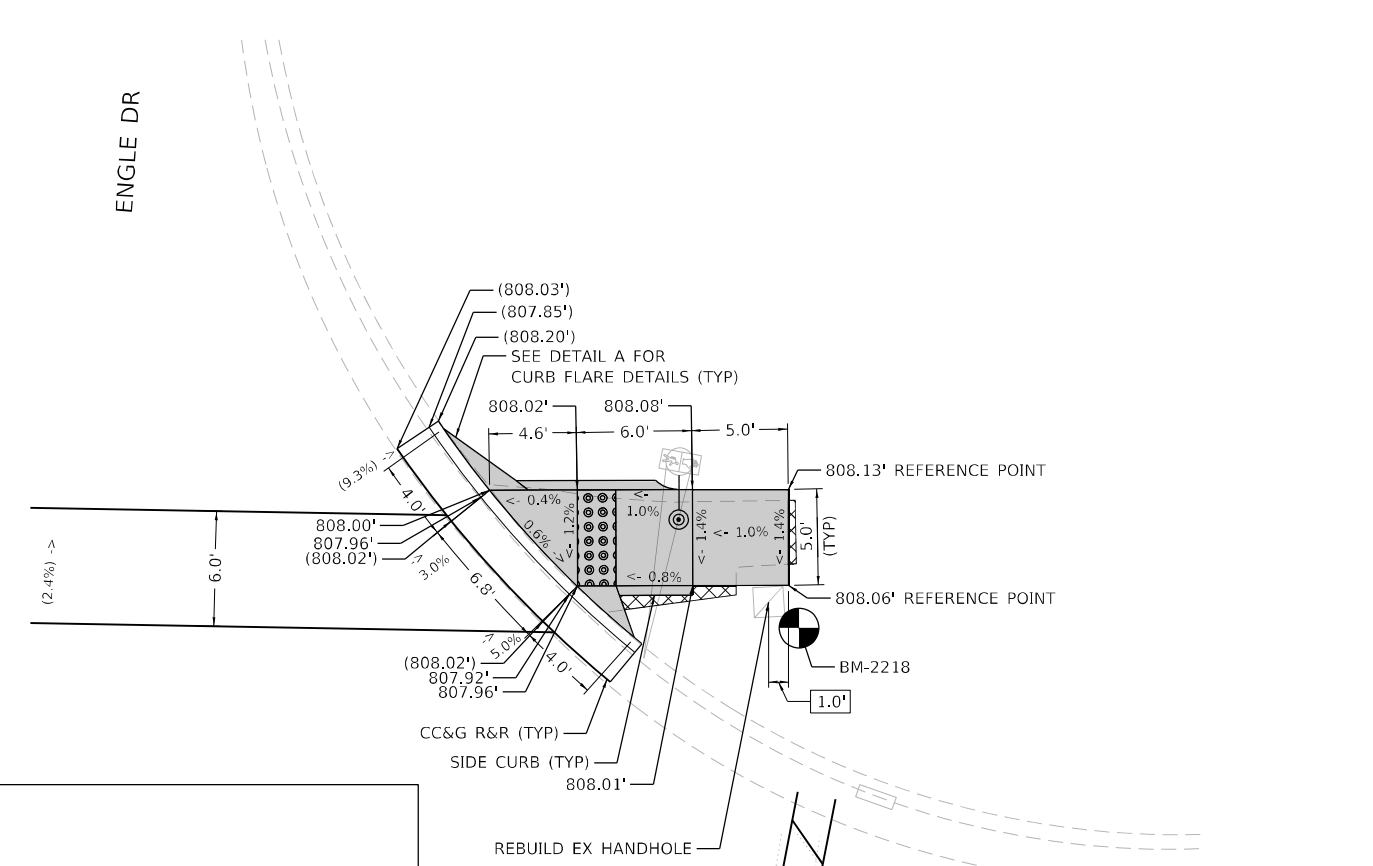
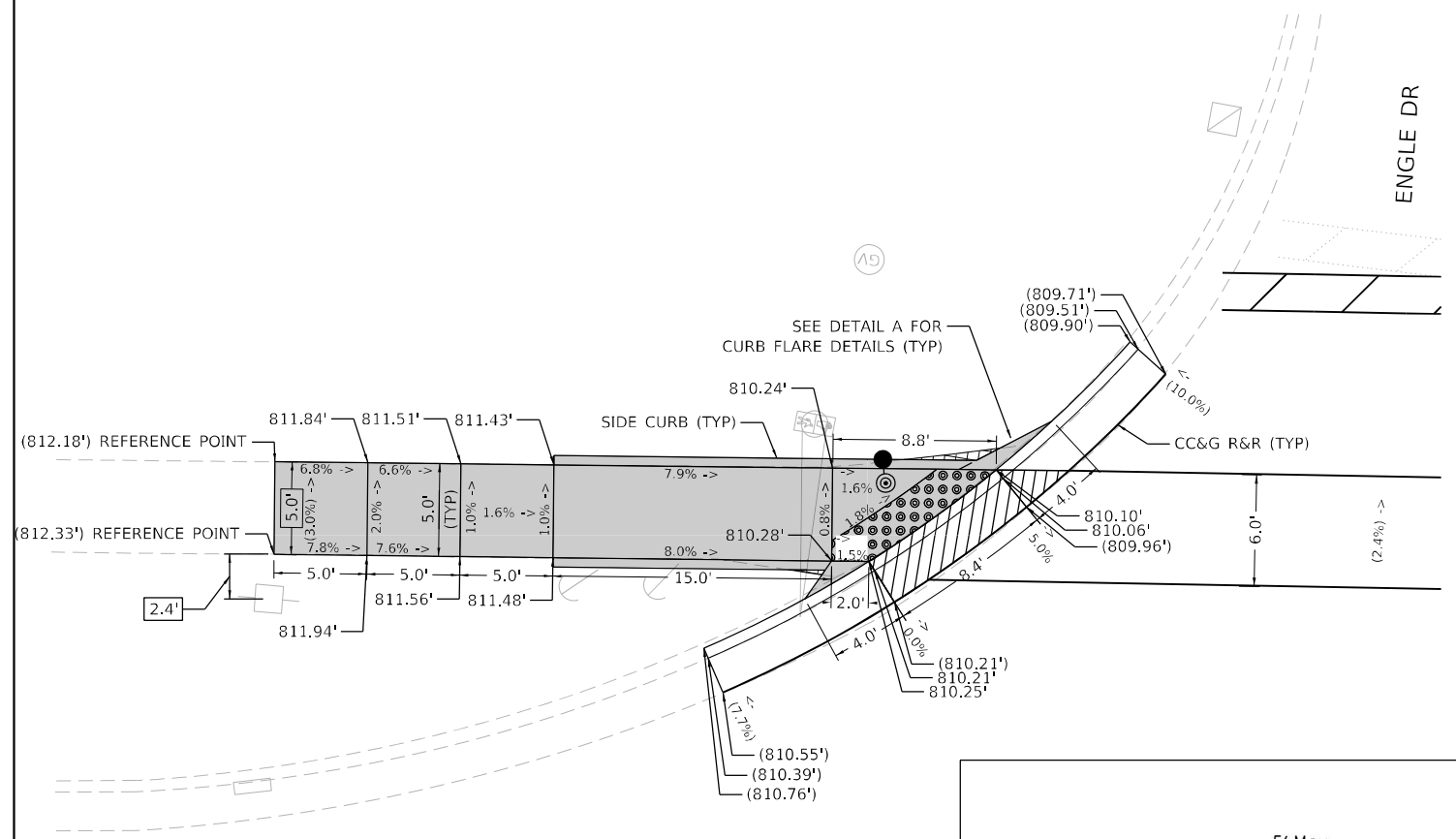
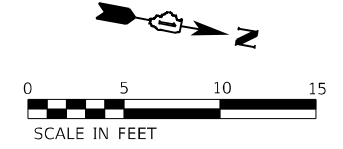
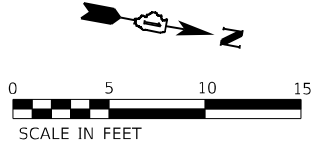
| | | |
|------------------------------|------------------|---------------------|
| USER NAME = skierpiec | DESIGNED - SDH | REVISED - JH |
| | DRAWN - AN | REVISED - SK |
| PLOT SCALE = 10,0000 * / in. | CHECKED - RG | REVISED - JH |
| PLOT DATE = 10/6/2022 | DATE - 8/18/2022 | REVISED - 10/7/2022 |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ADA RAMP DETAILS
 MILLSTONE DR**

SCALE: 1" = 5' SHEET 4 OF 12 SHEETS STA. TO STA.

| | | | | |
|---------------------------|-------------|--------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 866 | 2021-044-R5 | LAKE | 65 | 26 |
| CONTRACT NO. 62N67 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



DETAIL A

- NOTES:**
1. AT DEPRESSED CURBS, ADJACENT TO CURB RAMPS ACCESSIBLE TO THE DISABLED, THE GUTTER FLAG SLOPE SHALL BE -5% UNLESS NOTED OTHERWISE.
 2. REFERENCE POINT TIE DIMENSIONS ARE TO CENTER OF ITEM TIED TO OR TO B/C.
 3. CURB AND GUTTER OR B-CURB REMOVAL AND REPLACEMENT PAID FOR AS X4400501 OR X4400503 REGARDLESS OF GUTTER WIDTH OR CURB HEIGHT.
 4. SIDEWALK REPLACEMENT LIMITS ARE TO EXISTING JOINT LOCATIONS UNLESS OTHERWISE NOTED.

LEGEND

| | | | |
|--|--|--|---|
| XX.XX' | EXISTING LENGTH | | ACCESSIBLE PEDESTRIAN SIGNALS (SEE APS PLANS) |
| () | EXISTING ELEVATION / SLOPE | | PEDESTRIAN SIGNAL POST, 5FT. (SEE APS PLANS) |
| | PROPOSED SIDEWALK | | |
| | DETECTABLE WARNINGS | | |
| | SIDEWALK REMOVAL REPLACE WITH TOPSOIL AND SOD | | |
| | DEPRESSED CURB AND GUTTER | | |

REFERENCE BENCHMARK 2218 EL 807.82'
 BENCHMARK: CUT SQUARE IN NE CORNER OF TS
 LOCATION: NW CORNER OF IL 83 AND ENGLE DR

MODEL: Default
 FILE NAME: 2023.05.16.11.DDOT.D1.PFB.199-015.WO.11.IL.83.Resurfacing(DGN)Design(Prelim)Plotsheet(62N67-st-detail-ADA Ramp-05.dgn)



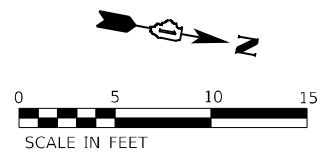
| | | |
|-----------------------------|------------------|---------------------|
| USER NAME = skierpiec | DESIGNED - SK | REVISED - JH |
| | DRAWN - SK | REVISED - SK |
| PLOT SCALE = 10,0000' / in. | CHECKED - AN | REVISED - JH |
| PLOT DATE = 10/6/2022 | DATE - 8/18/2022 | REVISED - 10/7/2022 |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

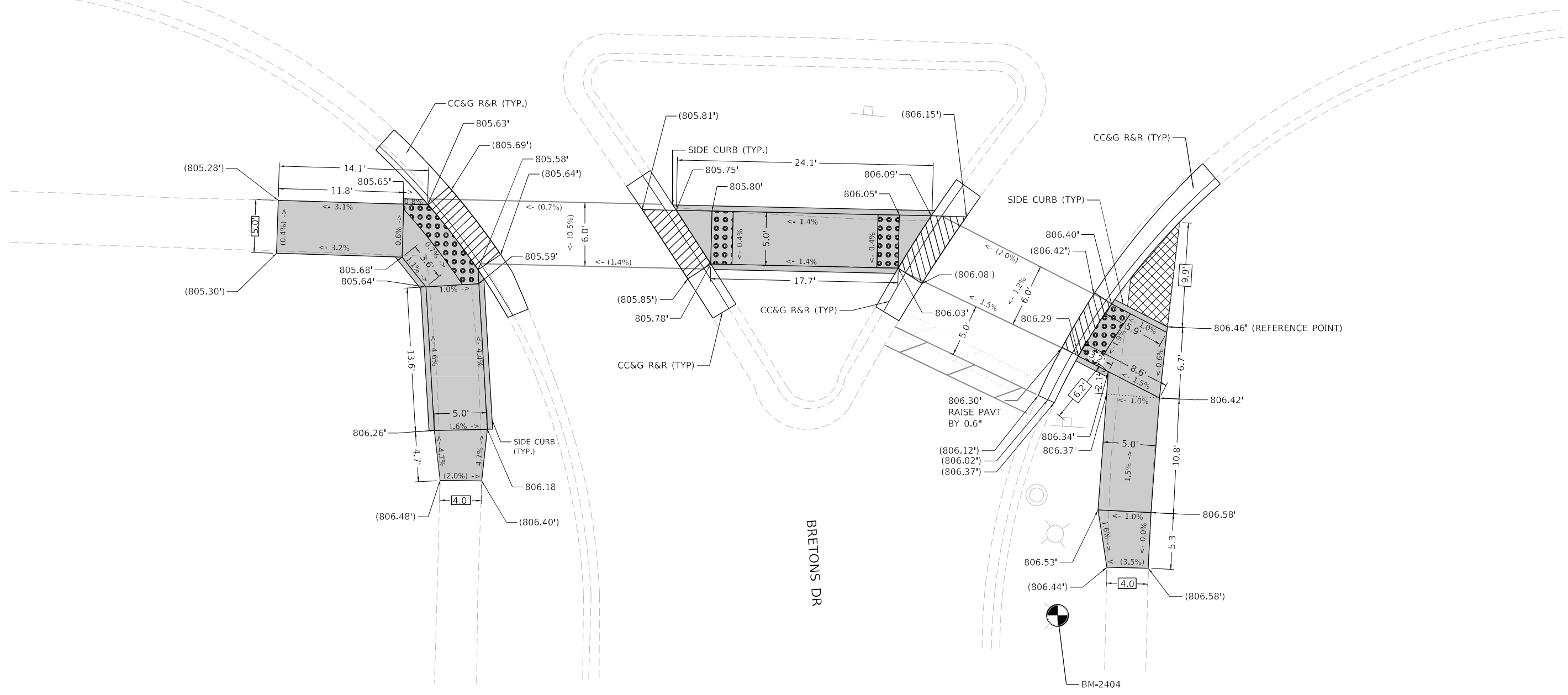
**ADA RAMP DETAILS
 ENGLE DR**

SCALE: 1" = 5' SHEET 5 OF 12 SHEETS STA. TO STA.

| | | | | |
|---------------------------|-------------|--------|--------------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 866 | 2021-044-R5 | LAKE | 65 | 27 |
| ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 62N67 | |



IL 83



- NOTES:**
1. AT DEPRESSED CURBS, ADJACENT TO CURB RAMPS ACCESSIBLE TO THE DISABLED, THE GUTTER FLAG SLOPE SHALL BE -5% UNLESS NOTED OTHERWISE.
 2. REFERENCE POINT TIE DIMENSIONS ARE TO CENTER OF ITEM TIED TO OR TO B/C.
 3. CURB AND GUTTER OR B-CURB REMOVAL AND REPLACEMENT PAID FOR AS X4400501 OR X4400503 REGARDLESS OF GUTTER WIDTH OR CURB HEIGHT.
 4. SIDEWALK REPLACEMENT LIMITS ARE TO EXISTING JOINT LOCATIONS UNLESS OTHERWISE NOTED.

LEGEND

| | | | |
|--|--|--|---|
| XX.XX' | EXISTING LENGTH | | ACCESSIBLE PEDESTRIAN SIGNALS (SEE APS PLANS) |
| () | EXISTING ELEVATION / SLOPE | | PEDESTRIAN SIGNAL POST, 5FT. (SEE APS PLANS) |
| | PROPOSED SIDEWALK | | |
| | DETECTABLE WARNINGS | | |
| | SIDEWALK REMOVAL REPLACE WITH TOPSOIL AND SOD | | |
| | DEPRESSED CURB AND GUTTER | | |

REFERENCE BENCHMARK 2404 EL 808.25'
 BENCHMARK: CUT "X" ON N BOLT OF FH
 LOCATION: NE CORNER OF IL 83 AND BRETONS DR

MODEL: D:\efk\11 DOT D1 PFB 199-015_WO_11_IL_83_Resurfacing\DCM\Design\Prelim\Plotsheets\62N67-st-detail-ADA-ramp-06.dgn
 FILE NAME: 2023_05_16_11 DOT D1 PFB 199-015_WO_11_IL_83_Resurfacing\DCM\Design\Prelim\Plotsheets\62N67-st-detail-ADA-ramp-06.dgn



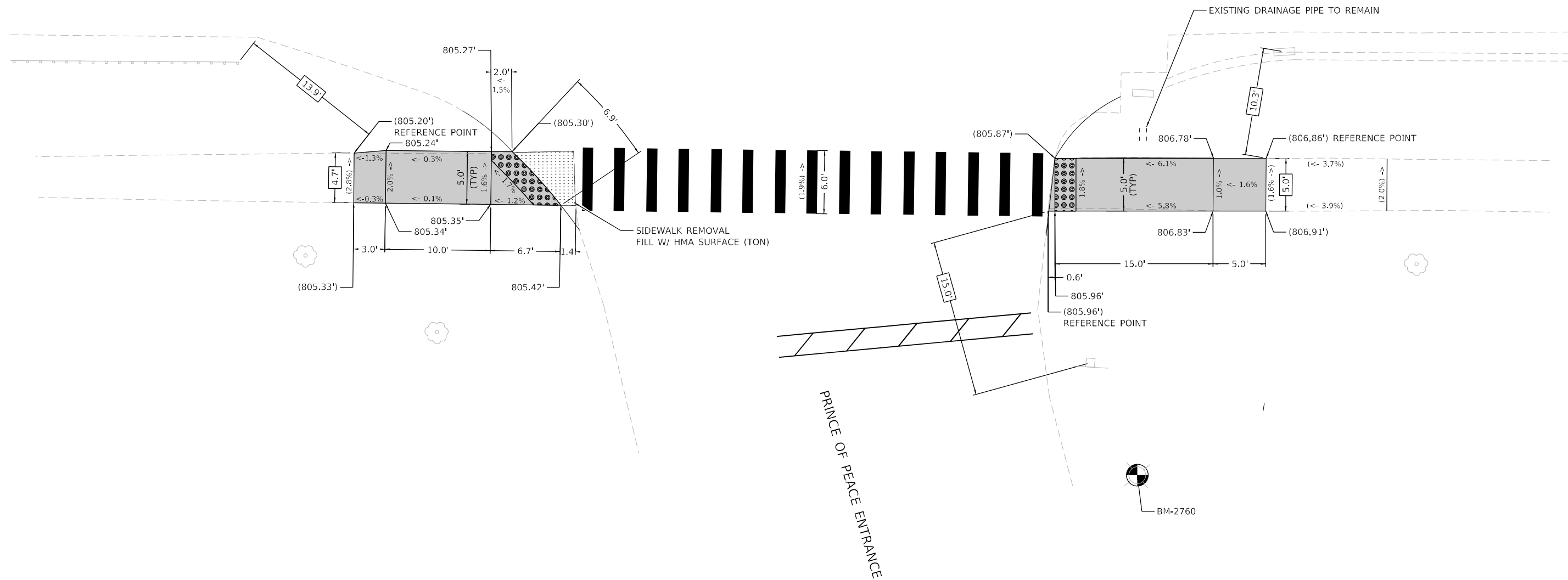
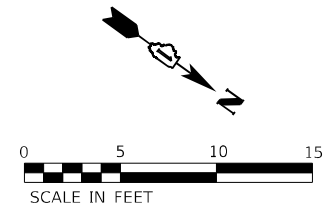
| | | |
|------------------------------|------------------|---------------------|
| USER NAME = skierpiec | DESIGNED - AN | REVISED - JH |
| | DRAWN - AN | REVISED - SK |
| PLOT SCALE = 10,0000 * / in. | CHECKED - RG | REVISED - JH |
| PLOT DATE = 9/8/2022 | DATE - 8/18/2022 | REVISED - 10/7/2022 |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS
BRETONS DR

SCALE: 1" = 5' SHEET 6 OF 12 SHEETS STA. TO STA.

| | | | | |
|---------------------------|-------------|--------|--------------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 866 | 2021-044-R5 | LAKE | 65 | 28 |
| ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 62N67 | |



NOTES:

1. AT DEPRESSED CURBS, ADJACENT TO CURB RAMPS ACCESSIBLE TO THE DISABLED, THE GUTTER FLAG SLOPE SHALL BE -5% UNLESS NOTED OTHERWISE.
2. REFERENCE POINT TIE DIMENSIONS ARE TO CENTER OF ITEM TIED TO OR TO B/C.
3. CURB AND GUTTER OR B-CURB REMOVAL AND REPLACEMENT PAID FOR AS X4400501 OR X4400503 REGARDLESS OF GUTTER WIDTH OR CURB HEIGHT.
4. SIDEWALK REPLACEMENT LIMITS ARE TO EXISTING JOINT LOCATIONS UNLESS OTHERWISE NOTED.
5. DRIVEWAY REMOVAL WILL BE PAID AS SIDEWALK REMOVAL.

LEGEND

- XX.XX' EXISTING LENGTH
- () EXISTING ELEVATION / SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE WITH TOPSOIL AND SOD
- DEPRESSED CURB AND GUTTER
- ⊙ ACCESSIBLE PEDESTRIAN SIGNALS (SEE APS PLANS)
- PEDESTRIAN SIGNAL POST, 5FT. (SEE APS PLANS)

REFERENCE BENCHMARK 2760 EL 808.94'
 BENCHMARK: CUT SQUARE IN S FACE OF LP BASE
 LOCATION: NE CORNER OF IL 83 AND CHURCH ENTRANCE

MODEL: D:\efk\h...
 FILE NAME: 20220516_11 IDOT D1 PFB 199-015_WO_11_IL_83_Resurfacing\DCM\Design\PrinceofPeacesheet\62N67-sht-detail-ADA-Ramp-07.dgn



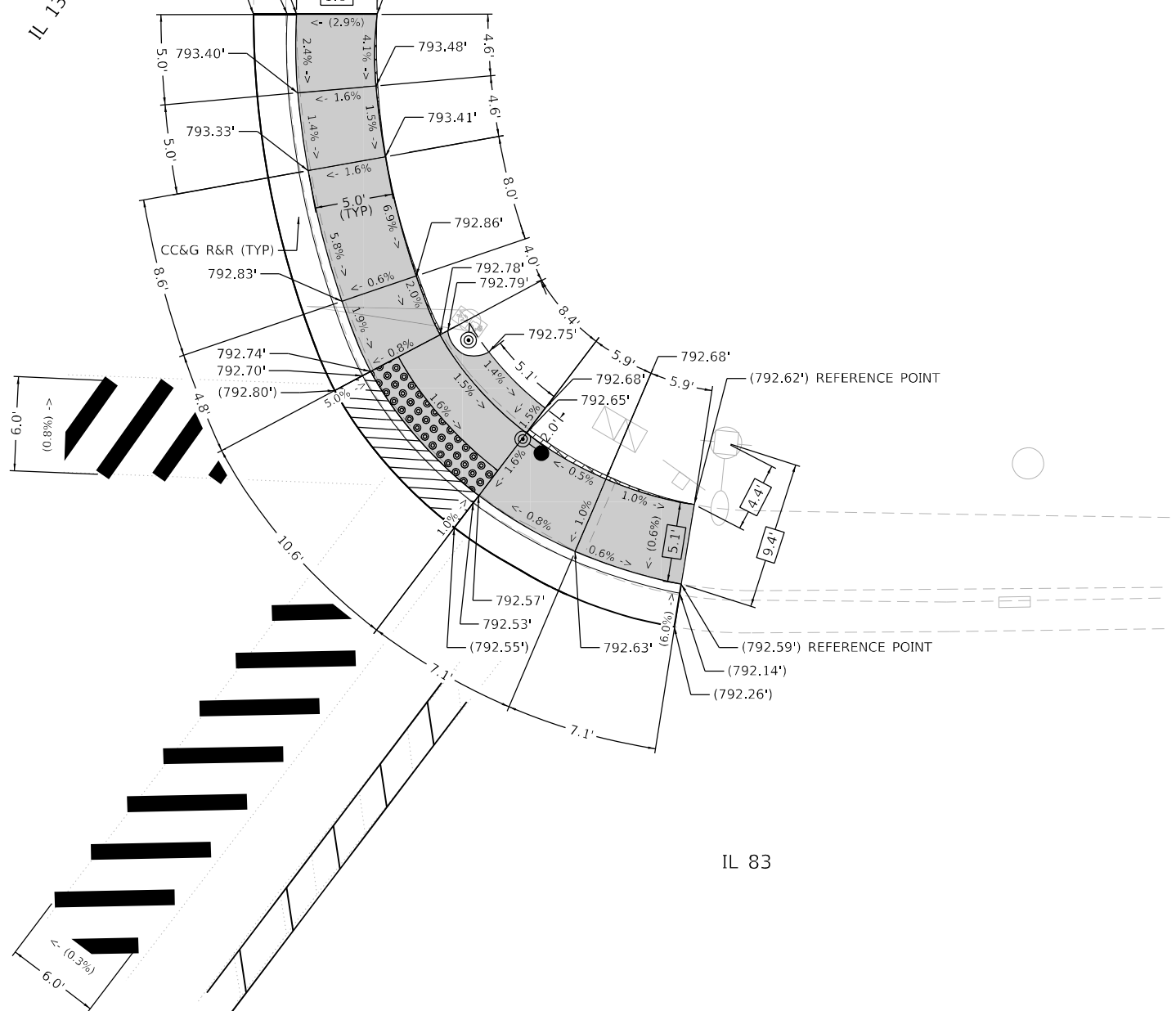
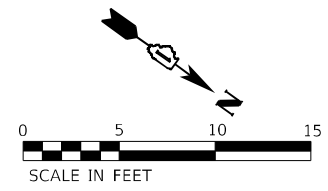
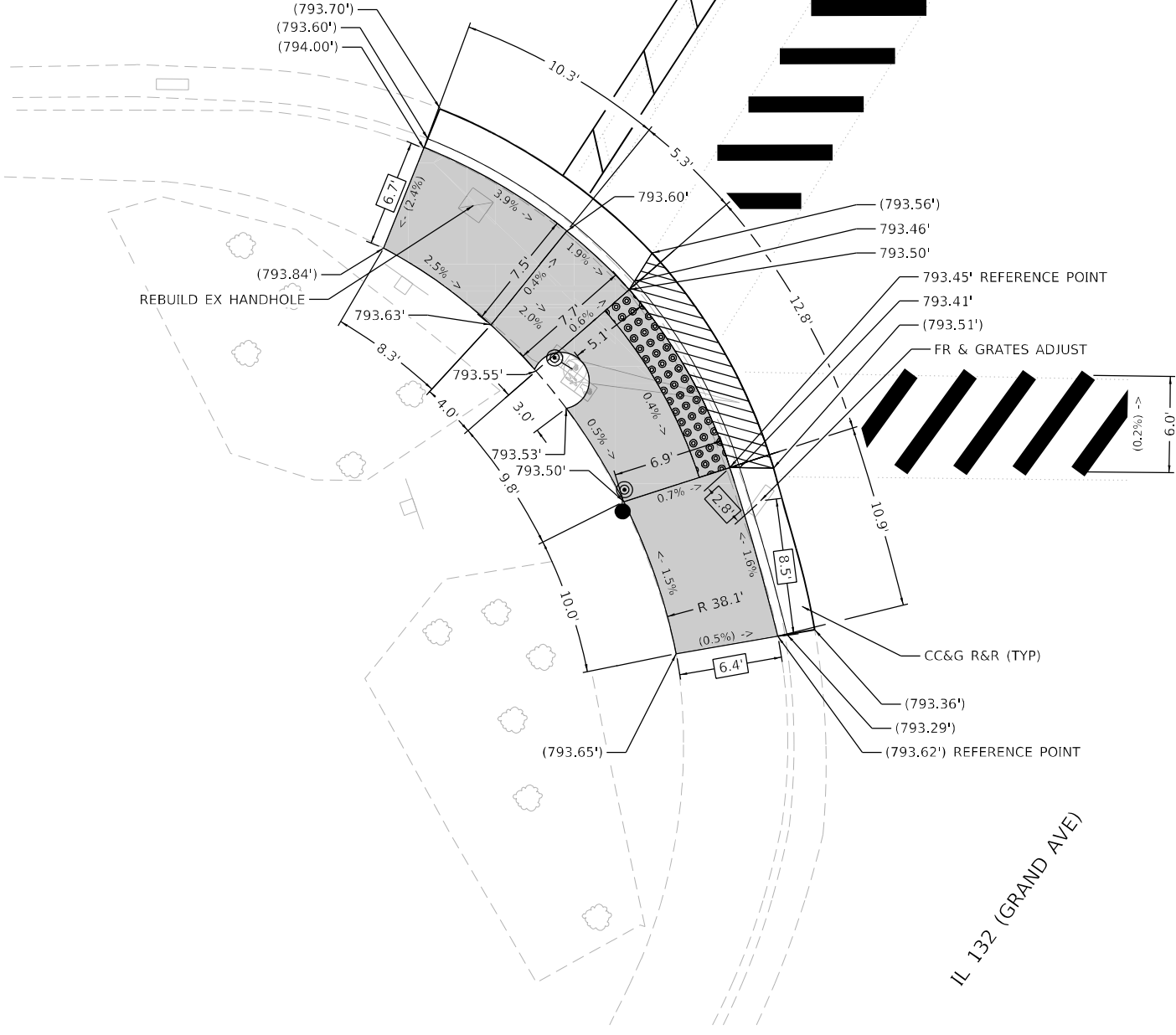
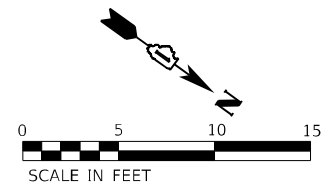
| | | |
|------------------------------|------------------|---------------------|
| USER NAME = skierpiec | DESIGNED - JDB | REVISED - JH |
| | DRAWN - JDB | REVISED - SK |
| PLOT SCALE = 10,0000 * / in. | CHECKED - AN | REVISED - JH |
| PLOT DATE = 10/7/2022 | DATE - 8/18/2022 | REVISED - 10/7/2022 |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ADA RAMP DETAILS
 PRINCE OF PEACE ENTRANCE**

SCALE: 1" = 5' SHEET 7 OF 12 SHEETS STA. TO STA.

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|-------------|--------|--------------|-----------|
| 866 | 2021-044-R5 | LAKE | 65 | 29 |
| CONTRACT NO. 62N67 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



- NOTES:**
1. AT DEPRESSED CURBS, ADJACENT TO CURB RAMPS ACCESSIBLE TO THE DISABLED, THE GUTTER FLAG SLOPE SHALL BE -5% UNLESS NOTED OTHERWISE.
 2. REFERENCE POINT TIE DIMENSIONS ARE TO CENTER OF ITEM TIED TO OR TO B/C.
 3. CURB AND GUTTER OR B-CURB REMOVAL AND REPLACEMENT PAID FOR AS X4400501 OR X4400503 REGARDLESS OF GUTTER WIDTH OR CURB HEIGHT.
 4. SIDEWALK REPLACEMENT LIMITS ARE TO EXISTING JOINT LOCATIONS UNLESS OTHERWISE NOTED.

LEGEND

- XX.XX' EXISTING LENGTH
- () EXISTING ELEVATION / SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE WITH TOPSOIL AND SOD
- DEPRESSED CURB AND GUTTER
- ⊙ ACCESSIBLE PEDESTRIAN SIGNALS (SEE APS PLANS)
- PEDESTRIAN SIGNAL POST, 5FT. (SEE APS PLANS)

REFERENCE BENCHMARK 3101 EL 793.49' (NOT SHOWN)
 BENCHMARK: CUT SQUARE IN NW CORNER OF CONC PAD FOR TCB
 LOCATION: NE CORNER OF IL 83 AND IL 132 (GRAND AVE)

MODEL: D:\efk\11 DOT D1 PFB 199-015_WO_11_IL_83_Resurfacing\DCM\Design\Prelim\Plotsheets\62N67-ct-detail-ADA Ramp-10.dgn
 FILE NAME: 2023_10_16_11 DOT D1 PFB 199-015_WO_11_IL_83_Resurfacing\DCM\Design\Prelim\Plotsheets\62N67-ct-detail-ADA Ramp-10.dgn



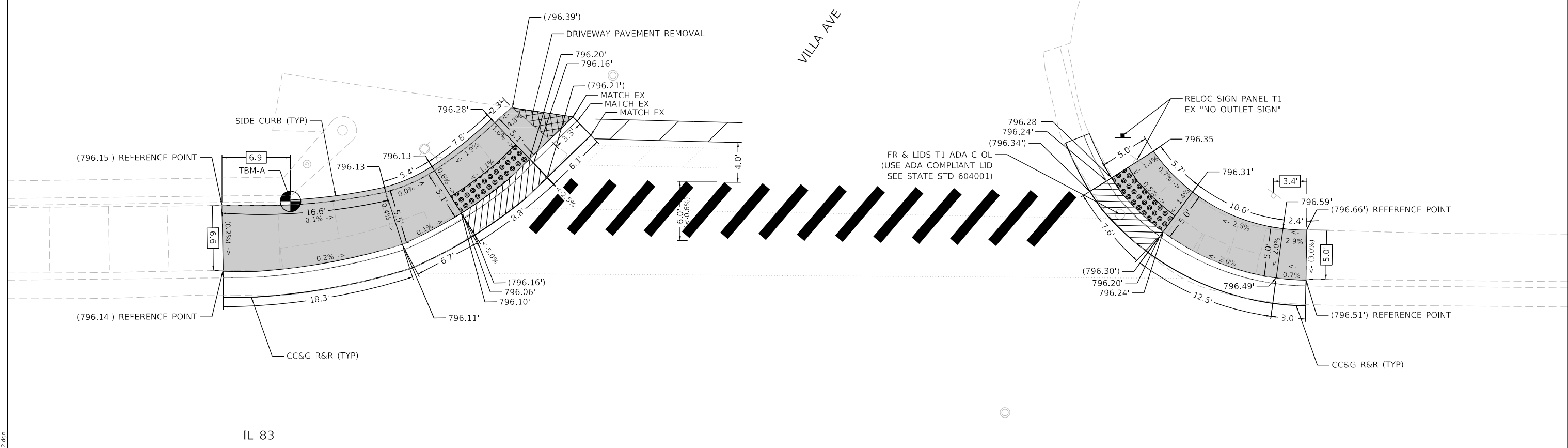
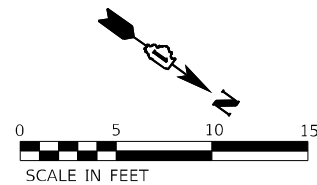
| | | |
|------------------------------|------------------|---------------------|
| USER NAME = skierpiec | DESIGNED - JDB | REVISED - JH |
| | DRAWN - JDB | REVISED - SK |
| PLOT SCALE = 10,0000 * / in. | CHECKED - AN | REVISED - JH |
| PLOT DATE = 10/6/2022 | DATE - 8/18/2022 | REVISED - 10/7/2022 |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ADA RAMP DETAILS
IL 132 (GRAND AVE)**

SCALE: 1" = 5' SHEET 10 OF 12 SHEETS STA. TO STA.

| | | | | |
|---------------------------|-------------|--------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 866 | 2021-044-R5 | LAKE | 65 | 32 |
| CONTRACT NO. 62N67 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



- NOTES:**
1. AT DEPRESSED CURBS, ADJACENT TO CURB RAMPS ACCESSIBLE TO THE DISABLED, THE GUTTER FLAG SLOPE SHALL BE -5% UNLESS NOTED OTHERWISE.
 2. REFERENCE POINT TIE DIMENSIONS ARE TO CENTER OF ITEM TIED TO OR TO B/C.
 3. CURB AND GUTTER OR B-CURB REMOVAL AND REPLACEMENT PAID FOR AS X4400501 OR X4400503 REGARDLESS OF GUTTER WIDTH OR CURB HEIGHT.
 4. SIDEWALK REPLACEMENT LIMITS ARE TO EXISTING JOINT LOCATIONS UNLESS OTHERWISE NOTED.

LEGEND

| | | | |
|--|--|--|---|
| | EXISTING LENGTH | | ACCESSIBLE PEDESTRIAN SIGNALS (SEE APS PLANS) |
| | EXISTING ELEVATION / SLOPE | | PEDESTRIAN SIGNAL POST, 5FT. (SEE APS PLANS) |
| | PROPOSED SIDEWALK | | |
| | DETECTABLE WARNINGS | | |
| | SIDEWALK REMOVAL REPLACE WITH TOPSOIL AND SOD | | |
| | DEPRESSED CURB AND GUTTER | | |

REFERENCE BENCHMARK TBM A EL 797.44'
 BENCHMARK: CUT SQUARE ON TOP OF NORTH END OF RETAINING WALL
 LOCATION: SW CORNER OF IL 83 AND VILLA AVE

MODEL: D:\efk\11 DOT D1 PFB 199-015_WO_11_IL_83_Resurfacing\DC\GIS\Design\Prelim\Bldg\Sheet\62N67-stdetail-ADA ramp-12.dgn
 FILE NAME: 20220516_11 DOT D1 PFB 199-015_WO_11_IL_83_Resurfacing\DC\GIS\Design\Prelim\Bldg\Sheet\62N67-stdetail-ADA ramp-12.dgn



| | | |
|------------------------------|------------------|---------------------|
| USER NAME = skierpiec | DESIGNED - JDB | REVISED - JH |
| | DRAWN - JDB | REVISED - SK |
| PLOT SCALE = 10,0000 * / in. | CHECKED - AN | REVISED - JH |
| PLOT DATE = 10/6/2022 | DATE - 8/18/2022 | REVISED - 10/7/2022 |

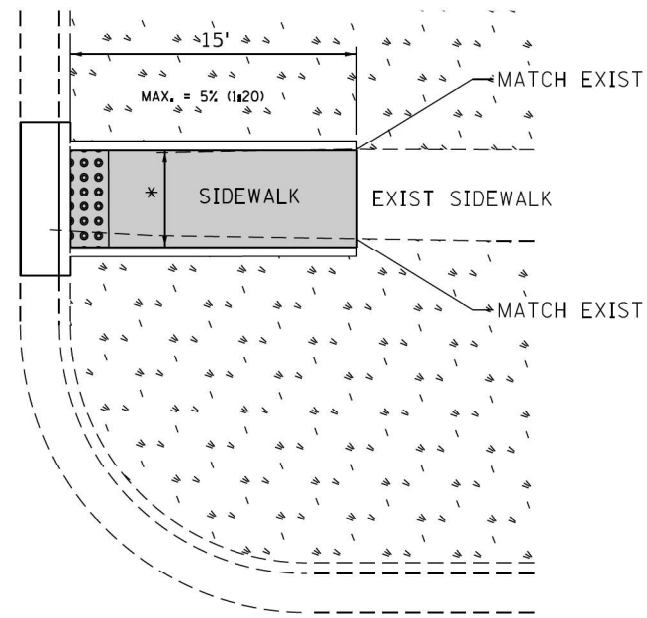
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS
VILLA AVE
 SCALE: 1" = 5' SHEET 12 OF 12 SHEETS STA. TO STA.

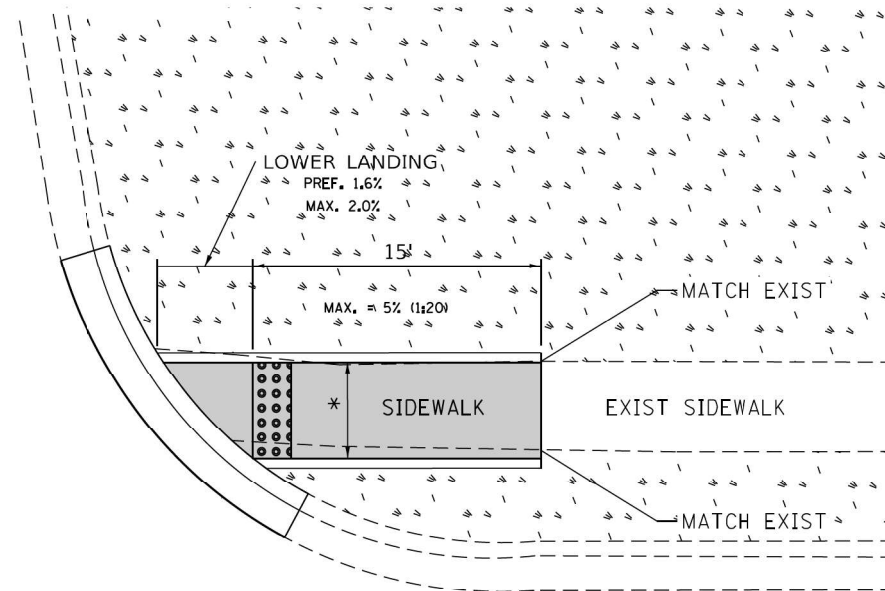
| | | | | |
|---------------------------|-------------|--------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 866 | 2021-044-R5 | LAKE | 65 | 34 |
| CONTRACT NO. 62N67 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

ADA DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS W/ EXIST. 5% OR LESS RUN. SLOPE

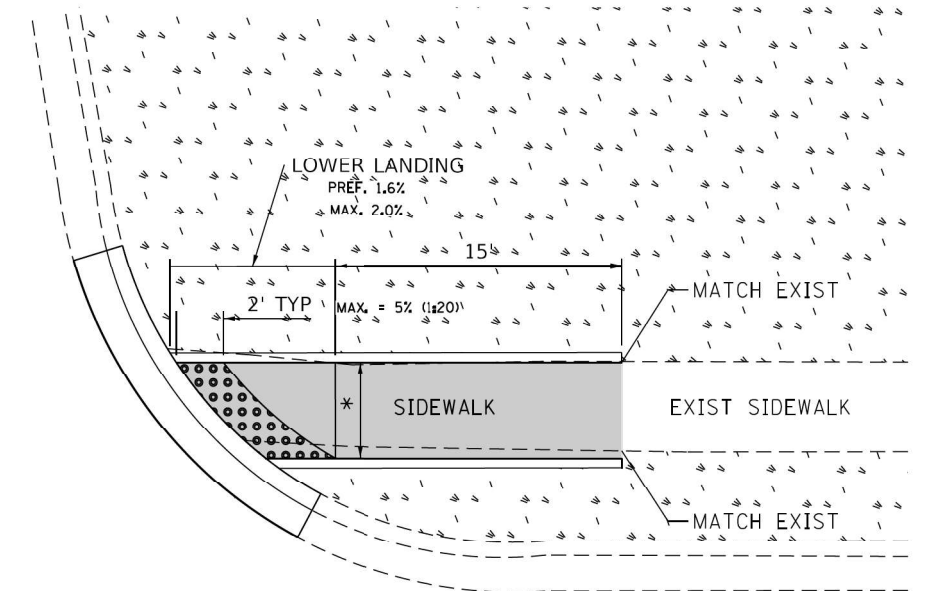
PD-01A



PD-01B



PD-01C



LEGEND

- PROPOSED SIDE CURB
- EXIST. GRASS
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS

CONSTRUCTION NOTES:

1) ALL CROSS SLOPES ARE PREFERRED 1.6% (1:64), MAXIMUM 2% (1:50) EXCEPT WHEN TRANSITIONING TO EXISTING SIDEWALK

* MATCH EXISTING SIDEWALK WIDTH

MODEL: Default
FILE NAME: 20210516.11.DDOT.D1.PFB.199-015.WO.11.IL.83.Recurfacing.DGN.Design.Prelim.PlotSheet.62N67.ctb.D:\Detail.dgn

EFK Moen
Civil Engineering Design

| | | |
|------------------------------|------------------|-----------|
| USER NAME = skierpiec | DESIGNED - AN | REVISED - |
| | DRAWN - AN | REVISED - |
| PLOT SCALE = 100,0000' / in. | CHECKED - JH | REVISED - |
| PLOT DATE = 8/18/2022 | DATE - 8/18/2022 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

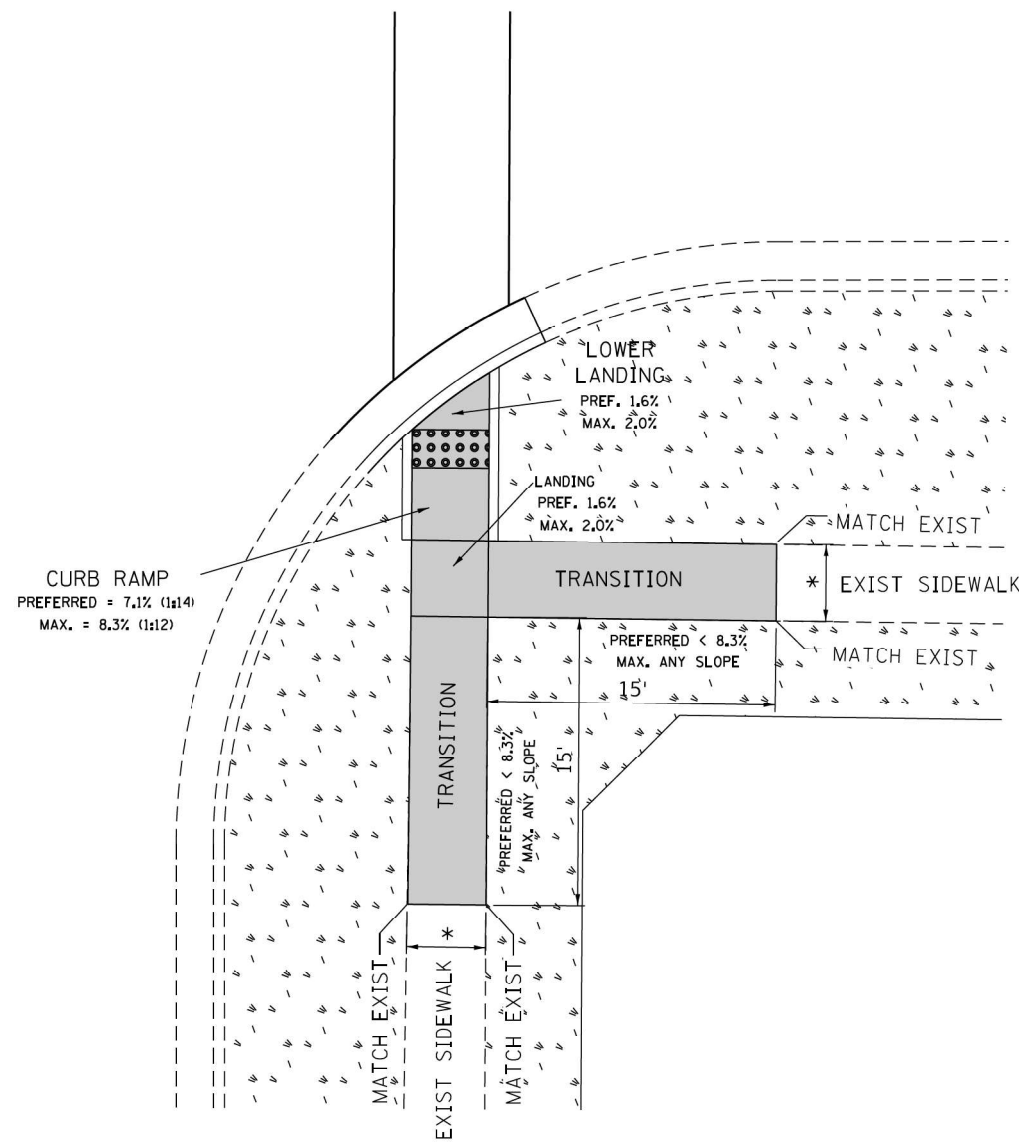
PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS
(PD-01)

SCALE: N/A SHEET 1 OF 1 SHEETS STA. TO STA.

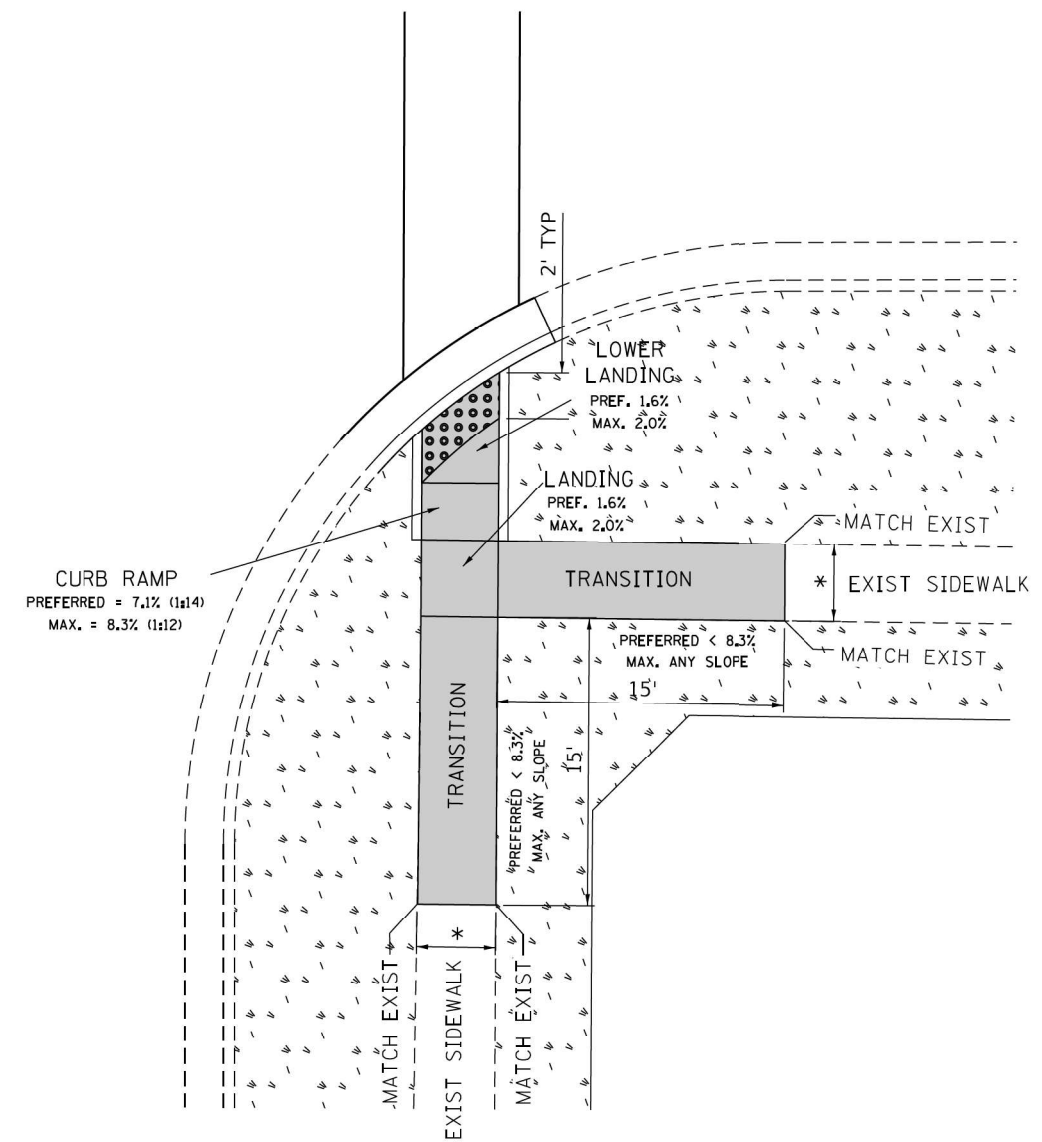
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|-------------|--------|--------------------|-----------|
| 866 | 2021-044-R5 | LAKE | 65 | 35 |
| ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 62N67 | |

ADA DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS W/ TURNING SPACE

PD-04A



PD-04B



LEGEND

| | |
|--|---------------------|
| | EXIST. GRASS |
| | PROPOSED SIDE CURB |
| | PROPOSED SIDEWALK |
| | DETECTABLE WARNINGS |

CONSTRUCTION NOTES:

1) ALL CROSS SLOPES ARE PREFERRED 1.6% (1:64), MAXIMUM 2% (1:50) EXCEPT WHEN TRANSITIONING TO EXISTING SIDEWALK

* MATCH EXISTING SIDEWALK WIDTH

MODEL: D:\efk\... FILE NAME: 20210516.11.DDOT.D1.PFB.199-015.WO.11.IL.83.Recurfacing\DCM\Design\Prelim\RestSheet\62N67-ct-D1Detail.dwg

EFK Moen
Civil Engineering Design

| | | |
|------------------------------|------------------|-----------|
| USER NAME = skierpiec | DESIGNED - AN | REVISED - |
| PLOT SCALE = 100,0000' / in. | DRAWN - AN | REVISED - |
| PLOT DATE = 8/18/2022 | CHECKED - JH | REVISED - |
| | DATE - 8/18/2022 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS
W/TURNING SPACE (PD-04)**

SCALE: N/A SHEET 1 OF 1 SHEETS STA. TO STA.

| | | | | |
|---------------------------|-------------|--------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 866 | 2021-044-R5 | LAKE | 65 | 36 |
| CONTRACT NO. 62N67 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

| ITEM | EXISTING | PROPOSED | ITEM | EXISTING | PROPOSED | ITEM | EXISTING | PROPOSED |
|---|----------|----------|--|----------|----------|---|----------|----------|
| CONTROLLER CABINET | | | HANDHOLE -SQUARE -ROUND | | | SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD | | |
| COMMUNICATION CABINET | | | HEAVY DUTY HANDHOLE -SQUARE -ROUND | | | SIGNAL HEAD WITH BACKPLATE -(P) PROGRAMMABLE SIGNAL HEAD -(RB) RETROREFLECTIVE BACKPLATE | | |
| MASTER CONTROLLER | | | DOUBLE HANDHOLE | | | PEDESTRIAN SIGNAL HEAD AT RAILROAD INTERSECTIONS | | |
| MASTER MASTER CONTROLLER | | | JUNCTION BOX | | | PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER | | |
| UNINTERRUPTABLE POWER SUPPLY | | | RAILROAD CANTILEVER MAST ARM | | | ILLUMINATED SIGN "NO LEFT TURN"/"NO RIGHT TURN" | | |
| SERVICE INSTALLATION -(P) POLE MOUNTED | | | RAILROAD FLASHING SIGNAL | | | NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE. ALL DETECTOR LOOP CABLE TO BE SHIELDED | | |
| SERVICE INSTALLATION -(G) GROUND MOUNTED -(GM) GROUND MOUNTED METERED | | | RAILROAD CROSSING GATE | | | GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN) | | |
| TELEPHONE CONNECTION | | | RAILROAD CROSSBUCK | | | ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C | | |
| STEEL MAST ARM ASSEMBLY AND POLE | | | RAILROAD CONTROLLER CABINET | | | COAXIAL CABLE | | |
| ALUMINUM MAST ARM ASSEMBLY AND POLE | | | UNDERGROUND CONDUIT (UC), GALVANIZED STEEL | | | VENDOR CABLE | | |
| STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE | | | TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE | | | COPPER INTERCONNECT CABLE, NO. 18, 3 PAIR TWISTED, SHIELDED | | |
| SIGNAL POST -(BM) BARREL MOUNTED - TEMPORARY | | | SYSTEM ITEM | | | FIBER OPTIC CABLE -NO. 62.5/125, MM12F -NO. 62.5/125, MM12F SM12F -NO. 62.5/125, MM12F SM24F | | |
| WOOD POLE | | | INTERSECTION ITEM | | | GROUND ROD -(C) CONTROLLER -(M) MAST ARM -(P) POST -(S) SERVICE | | |
| GUY WIRE | | | REMOVE ITEM | | | | | |
| SIGNAL HEAD | | | RELOCATE ITEM | | | | | |
| SIGNAL HEAD WITH BACKPLATE | | | RELOCATE ITEM | | | | | |
| SIGNAL HEAD OPTICALLY PROGRAMMED | | | ABANDON ITEM | | | | | |
| FLASHER INSTALLATION -(FS) SOLAR POWERED | | | CONTROLLER CABINET AND FOUNDATION TO BE REMOVED | | | | | |
| PEDESTRIAN SIGNAL HEAD | | | MAST ARM POLE AND FOUNDATION TO BE REMOVED | | | | | |
| PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON | | | SIGNAL POST AND FOUNDATION TO BE REMOVED | | | | | |
| RADAR DETECTION SENSOR | | | DETECTOR LOOP, TYPE I | | | | | |
| VIDEO DETECTION CAMERA | | | PREFORMED DETECTOR LOOP | | | | | |
| RADAR/VIDEO DETECTION ZONE | | | SAMPLING (SYSTEM) DETECTOR | | | | | |
| PAN, TILT, ZOOM (PTZ) CAMERA | | | INTERSECTION AND SAMPLING (SYSTEM) DETECTOR | | | | | |
| EMERGENCY VEHICLE LIGHT DETECTOR | | | QUEUE AND SAMPLING (SYSTEM) DETECTOR | | | | | |
| CONFIRMATION BEACON | | | WIRELESS DETECTOR SENSOR | | | | | |
| WIRELESS INTERCONNECT | | | WIRELESS ACCESS POINT | | | | | |
| WIRELESS INTERCONNECT RADIO REPEATER | | | | | | | | |

MODEL A
FILE NAME: C:\Engineering\LiveProjects\21003_IDOT_DUB_HBR\WID 14 - Var #05\CADD\CADD_Sheet\Civil\62N67\012167-Sub-1.dwg

| | | | |
|-----------------------------|------------------|-----------|--|
| USER NAME = footemj | DESIGNED - IP | REVISED - | |
| | DRAWN - IP | REVISED - | |
| PLOT SCALE = 50.0000' / in. | CHECKED - LP | REVISED - | |
| PLOT DATE = 3/4/2019 | DATE - 9/29/2016 | REVISED - | |

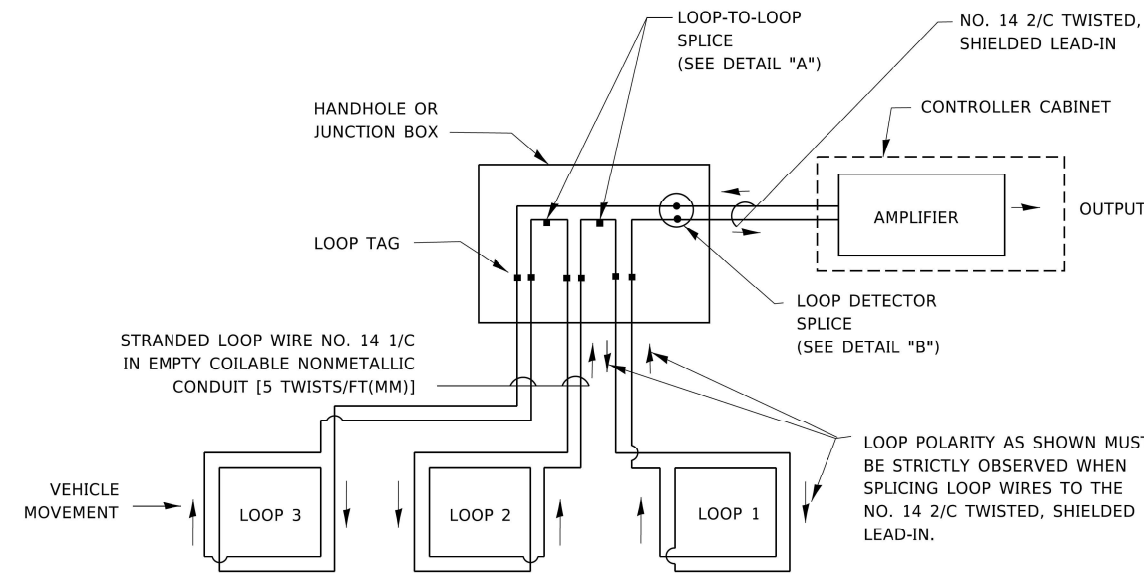
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

| | | | |
|---|---------|-------------|--------------|
| DISTRICT ONE | | | |
| STANDARD TRAFFIC SIGNAL DESIGN DETAILS | | | |
| SCALE: NONE | SHEET 1 | OF 7 SHEETS | STA. TO STA. |

| | | | | |
|---------------------------|---------------------|--------------------|-----------------|--------------|
| F.A.P. RTE. 347 | SECTION 2021-047-R5 | COUNTY COOK | TOTAL SHEETS 65 | SHEET NO. 37 |
| TS-05 | | CONTRACT NO. 62N67 | | |
| ILLINOIS FED. AID PROJECT | | | | |

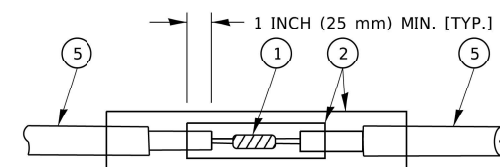
LOOP DETECTOR NOTES

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.
2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.
3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVESHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.
6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.
7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

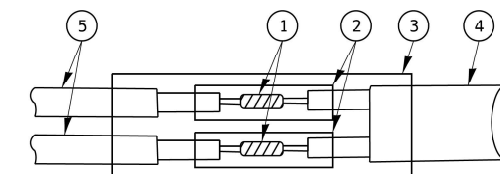


DETECTOR LOOP WIRING SCHEMATIC

- LOOPS SHALL BE SPLICED IN SERIES. SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" (8 mm).
- SAW-CUT DEPTHS SHALL BE 3" (75 mm). IF IN CONCRETE,
- THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
- LOOP CORNERS SHALL BE DRILLED WITH A 2" (50 mm) DIAMETER CORE.



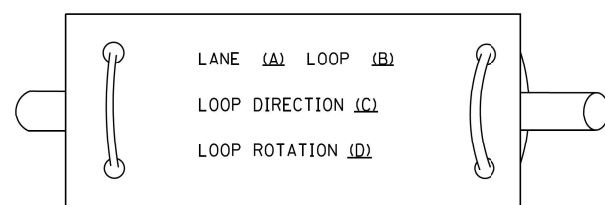
DETAIL "A"
LOOP-TO-LOOP SPLICE



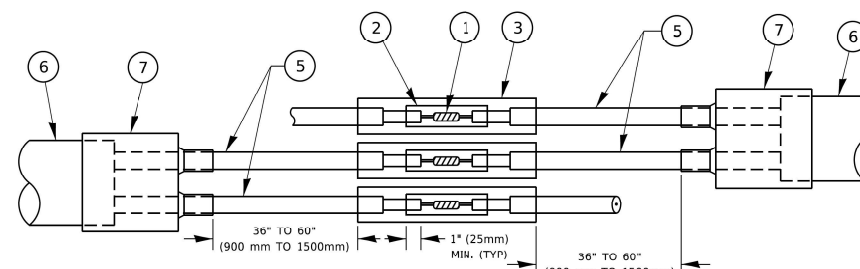
DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP

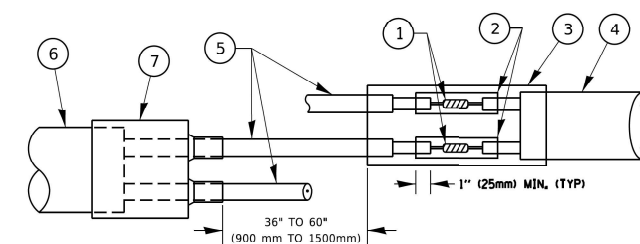
LOOP LEAD-IN CABLE TAG



- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.



DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

PREFORMED LOOP

LOOP DETECTOR SPLICE

- ① WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE WESTERN UNION SPLICES SHALL BE STAGGERED.
- ② WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
- ③ WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGTH 6" (150 mm), UNDERWATER GRADE.
- ④ NO. 14 2/C TWISTED, SHIELDED CABLE.
- ⑤ LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE. PREFORMED LOOP
- ⑥ XL POLYOLEFIN 2 CONDUCTOR
- ⑦ BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

MODEL B: FILE NAME: C:\Engineering\LiveProjects\1003_IDOT_DUB_HBRWV14_V01_#05\CADD\CADD_Sheets\Civil\62167\TS-05.dgn

| | | |
|-----------------------------|------------|-----------|
| USER NAME = footemj | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 50.0000' / in. | CHECKED - | REVISED - |
| PLOT DATE = 3/4/2019 | DATE - | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

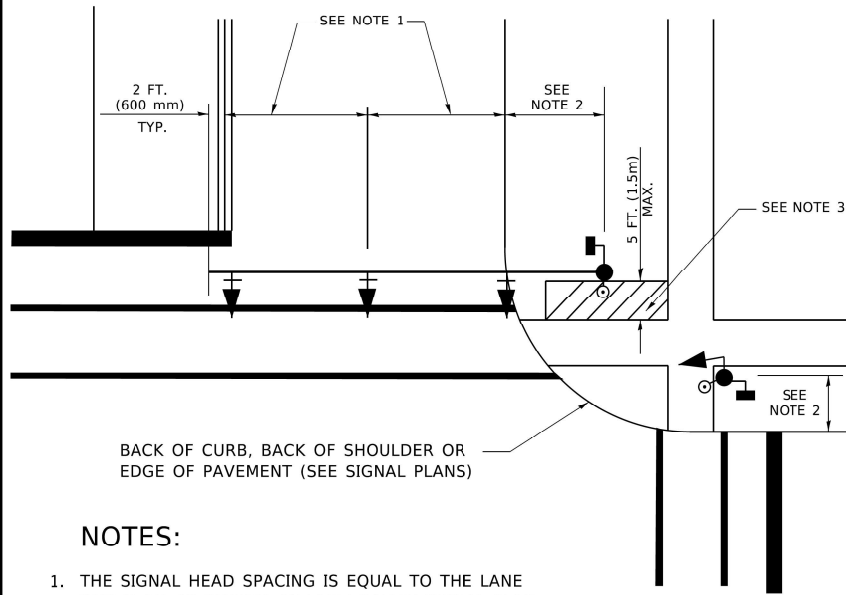
**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET 2 OF 7 SHEETS STA. TO STA.

| | | | | |
|---------------------------|---------------------|--------------------|-----------------|--------------|
| F.A.P. RTE. 347 | SECTION 2021-047-R5 | COUNTY COOK | TOTAL SHEETS 65 | SHEET NO. 38 |
| TS-05 | | CONTRACT NO. 62N67 | | |
| ILLINOIS FED. AID PROJECT | | | | |

TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

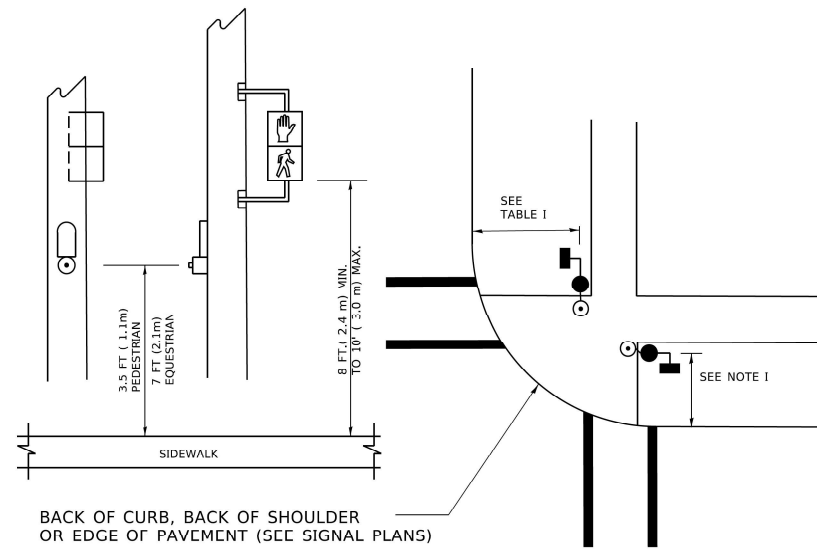
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



NOTES:

1. THE SIGNAL HEAD SPACING IS EQUAL TO THE LANE WIDTH OR AS SHOWN ON THE TRAFFIC SIGNAL PLAN.
2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
3. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE MAST ARM SHAFT OR THE SIGNAL POST.
4. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
5. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

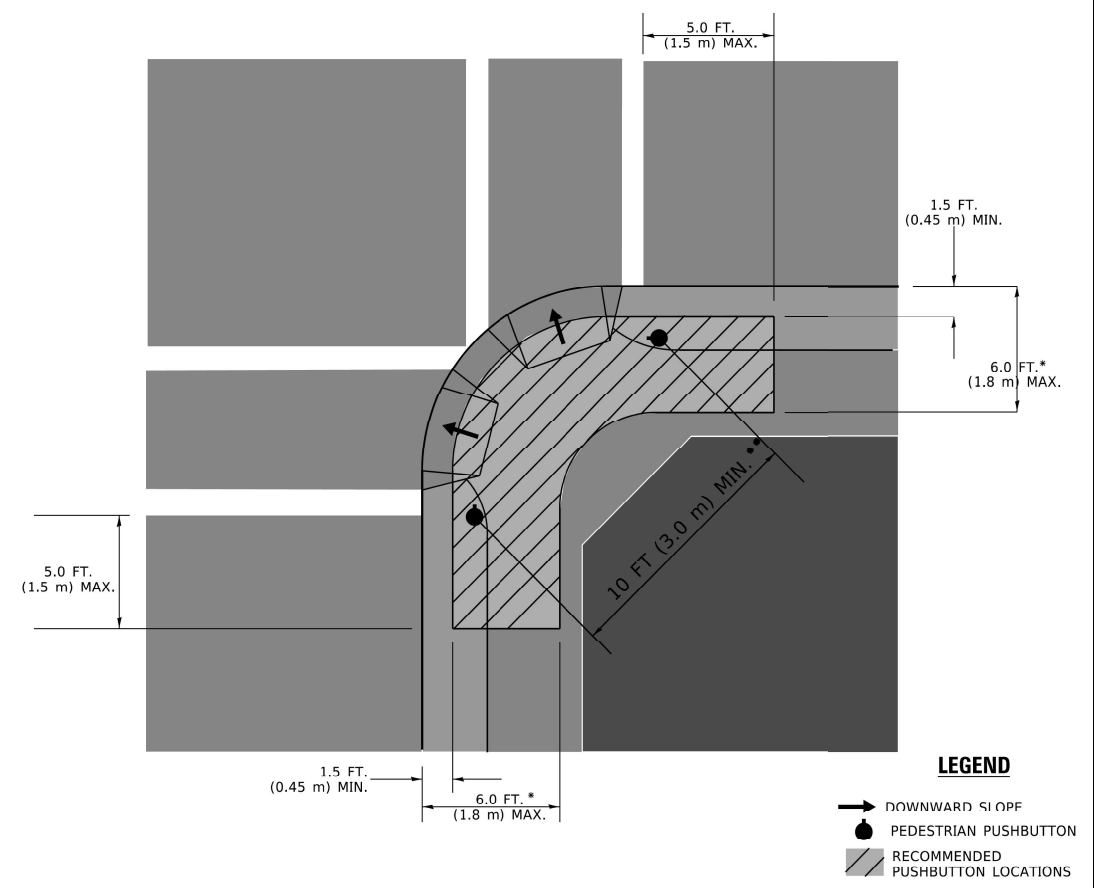
PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST



NOTES:

1. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
2. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE PEDESTRIAN SIGNAL POST OR THE PEDESTRIAN PUSH BUTTON POST.
3. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
4. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

RECOMMENDED PUSHBUTTON LOCATIONS



- * WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT (1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, OR PAVEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.
- ** WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) SEPERATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

NOTES:

1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
2. THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) OF A VEHICULAR SIGNAL FACE THAT IS NOT LOCATED OVER A HIGHWAY SHALL BE AT LEAST 8 FT (2.4 m) BUT NOT MORE THAN 19 FT (5.8 m) ABOVE THE SIDEWALK OR, IF THERE IS NO SIDEWALK, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE ROADWAY.
3. THE BOTTOM OF THE SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001, 877002, 877006, 877011 AND 877012 WITH A MINIMUM OF 16 FT (5.0 m) AND A MAXIMUM OF 18 FT. (5.5 m) FROM THE HIGHEST POINT OF PAVEMENT.
4. THE BOTTOM OF THE TEMPORARY SPAN WIRE MOUNTED SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARD 880001 WITH A MINIMUM OF 17 FT (5.18 m) FROM THE HIGHEST POINT OF PAVEMENT.
5. THE TOP OF THE SIGNAL HOUSING OF A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL NOT BE MORE THAN 25.6 FT (7.8 m) ABOVE THE PAVEMENT.

TRAFFIC SIGNAL EQUIPMENT OFFSET

| TRAFFIC SIGNAL EQUIPMENT | COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION) | SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION) |
|------------------------------------|---|---|
| TRAFFIC SIGNAL MAST ARM POLE | 6 FT (1.8m) | SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m) |
| TRAFFIC SIGNAL POST | 4 FT (1.2m) | SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m) |
| PEDESTRIAN SIGNAL POST | 4 FT (1.2m) | SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m) |
| PEDESTRIAN PUSHBUTTON POST | 4 FT (1.2m) | SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m) |
| TEMPORARY WOOD POLE | 6 FT (1.0m) | SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m) |
| CONTROLLER CABINET | 6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2 | SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3. |
| SERVICE INSTALLATION, GROUND MOUNT | 6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2 | SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3. |

NOTES:

1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE DACK OF CURD TO THE ROADWAY SIDE OF THE FOUNDATION.
3. MINIMUM DISTANCE FROM THE EDGE OF PAVEMENT TOTHE ROADWAY SIDE OF THE FOUNDATION.
4. ANY CHANGES TO THE OFFSETS OF THE FOUNDATIONS, FROM THE MINIMUM DISTANCES LISTED IN THE "TRAFFIC SIGNAL EQUIPMENT OFFSET" CHART AND THE TRAFFIC SIGNAL INSTALLATION PLAN, COULD EFFECT THE PLACEMENT OF THE SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS AND THE PEDESTRIAN PUSHBUTTONS. THE SIGNAL HEAD PLACEMENT ON THE MAST ARMS SHALL REMAIN AS PER THE TRAFFIC SIGNAL INSTALLATION PLAN AND THE "TRAFFIC SIGNAL MAST ARM AND SIGNAL POST" DETAIL ABOVE. THE PROPOSED MAST ARM LENGTHS MAY NEED TO BE REVISED TO MEET THE ABOVE REQUIREMENTS. THE PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS MUST MEET THE REQUIREMENTS UNDER THE DETAILS ON THIS SHEET.

MODEL C: FILE NAME: C:\Engineering\LiveProjects\1003_IDOT_DUB_HBR\WD 14 - For #55\CADD\CADD_Sheet\Civil\62167-Sub-1-1.dwg

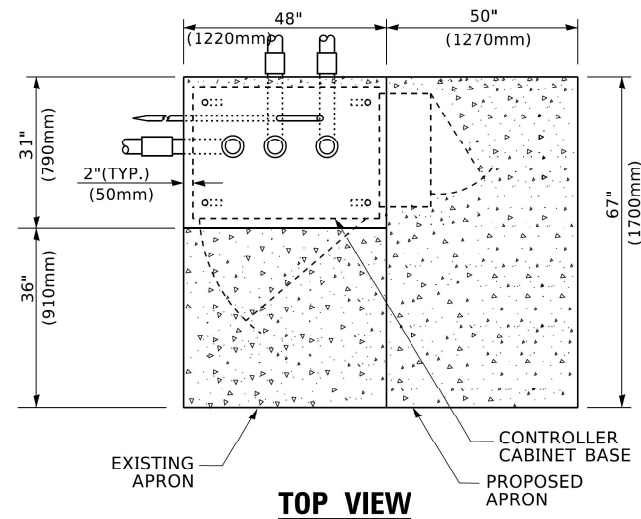
| | | |
|-----------------------------|------------|----------|
| USER NAME = footemj | DESIGNED - | REVISD - |
| PLOT SCALE = 50.0000' / in. | DRAWN - | REVISD - |
| PLOT DATE = 3/4/2019 | CHECKED - | REVISD - |
| | DATE - | REVISD - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

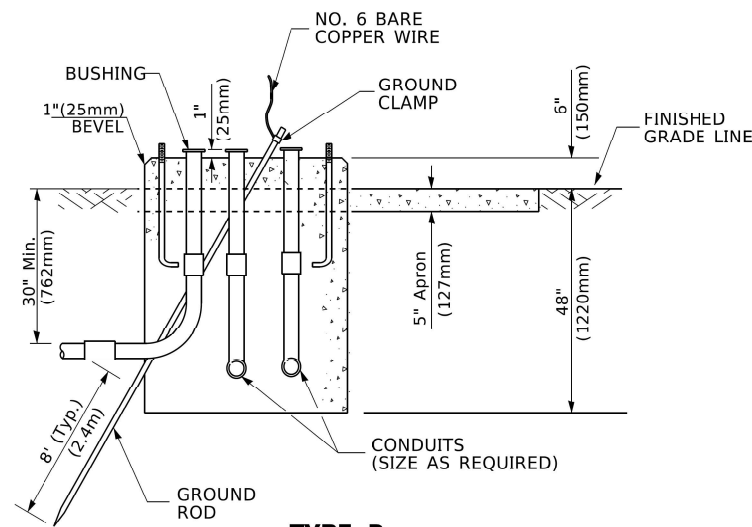
**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET 3 OF 7 SHEETS STA. TO STA.

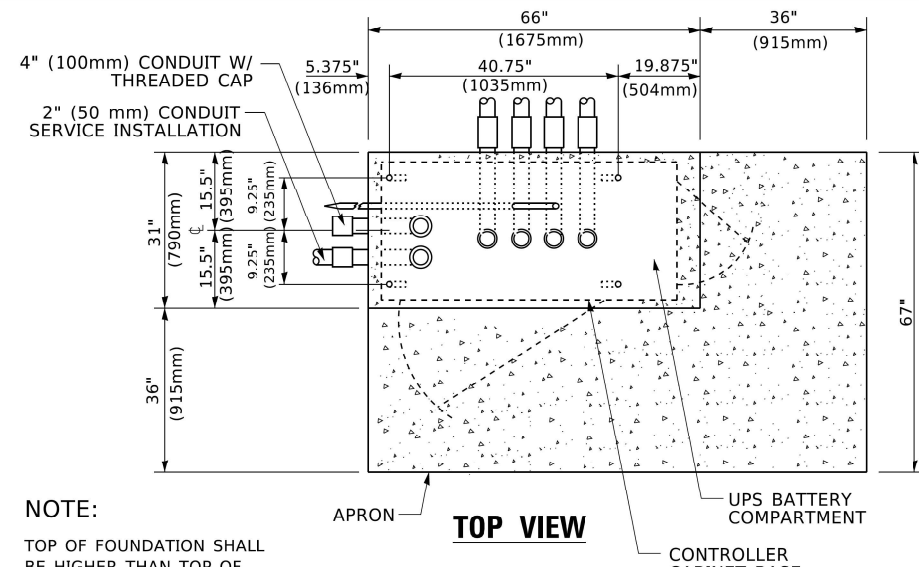
| | | | | |
|---------------------------|---------------------|--------------------|-----------------|--------------|
| F.A.P. RTE. 347 | SECTION 2021-047-R5 | COUNTY COOK | TOTAL SHEETS 65 | SHEET NO. 39 |
| TS-05 | | CONTRACT NO. 62N67 | | |
| ILLINOIS FED. AID PROJECT | | | | |



TOP VIEW



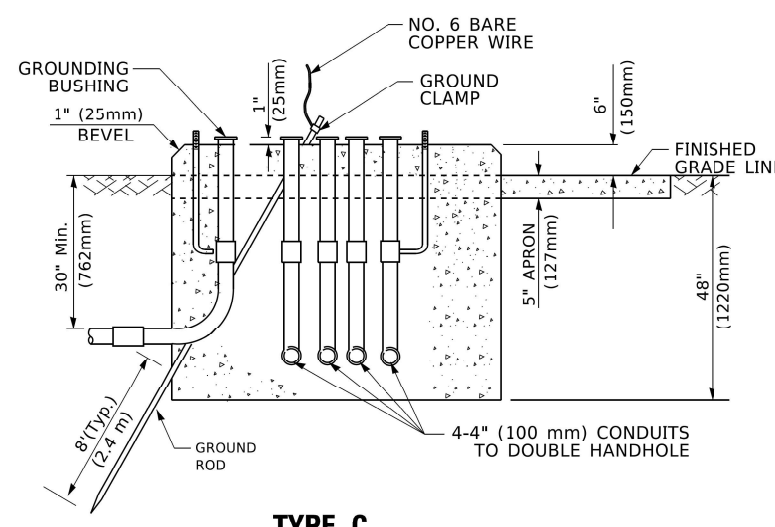
**TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET**



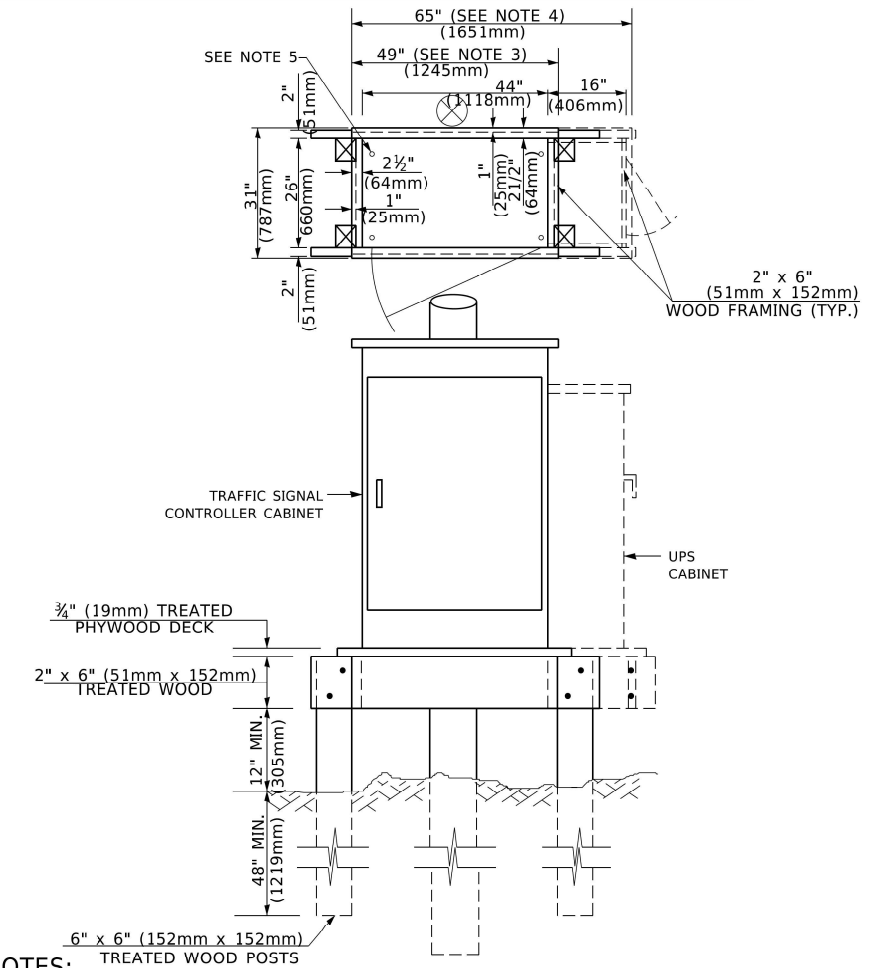
TOP VIEW

NOTE:

TOP OF FOUNDATION SHALL BE HIGHER THAN TOP OF DOUBLE HANDHOLE



**TYPE C
FOR GROUND MOUNTED
SUPER P (TYPE IV) AND SUPER R (TYPE V)
CONTROLLER CABINETS**



NOTES:

- BASED ON CONTROLLER CABINET TYPE IV WITH BASE DIMENSIONS OF 26" x 44" (660mm x 1118mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
- BASED ON UNINTERRUPTIBLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" x 25" (406mm x 635mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
- PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.
- PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
- DRILLED HOLES THROUGH THE PLATFORM BASE TO MATCH THE CONTROLLER CABINET BOLT TEMPLATE. FASTEN THE CONTROLLER CABINET TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS AND NUTS.
- FASTEN ALL SUPPORT WOOD FRAMING TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION.

**TEMPORARY SIGNAL CONTROLLER
WOOD SUPPORT PLATFORM**

| CABLE SLACK LENGTH | FEET | METER |
|---|------|-------|
| HANDHOLE | 6.5 | 2.0 |
| DOUBLE HANDHOLE | 13.0 | 4.0 |
| SIGNAL POST | 2.0 | 0.6 |
| MAST ARM | 2.0 | 0.6 |
| CONTROLLER CABINET | 1.5 | 0.5 |
| FIBER OPTIC AT CABINET | 13.0 | 4.0 |
| ELECTRIC SERVICE AT (CABINET OR SERVICE LOCATION) | 1.5 | 0.5 |
| GROUND CABLE (SIGNAL POST, MAST ARM, CABINET) | 1.5 | 0.5 |
| GROUND CABLE (BETWEEN FRAME AND COVER) | 5.0 | 1.6 |

CABLE SLACK

| VERTICAL CABLE LENGTH | FEET | METER |
|--|--------|-------|
| MAST ARM POLE (MAST ARM MOUNTED SIGNAL HEAD) (L = MAST ARM LENGTH - DISTANCE TO SIGNAL HEAD FROM END OF ARM) | 20.0+L | 6.0+L |
| BRACKET MOUNTED (MAST ARM POLE OR SIGNAL POLE) | 13.0 | 4.0 |
| PEDESTRIAN PUSH BUTTON | 6.0 | 2.0 |
| SERVICE INSTALLATION POLE MOUNT TO SERVICE DROP | 13.5 | 4.1 |
| SERVICE INSTALLATION POLE MOUNT TO GROUND | 13.5 | 4.1 |
| SERVICE INSTALLATION GROUND MOUNT | 6.0 | 2.0 |
| FOUNDATION (SIGNAL POST, MAST ARM POLE, CONTROLLER CABINET, SERVICE-GROUND MOUNT) | 3.0 | 1.0 |

VERTICAL CABLE LENGTH

| FOUNDATION | DEPTH |
|---|--------------|
| TYPE A - Signal Post | 4'-0" (1.2m) |
| TYPE C - CONTROLLER W/ UPS | 4'-0" (1.2m) |
| TYPE D - CONTROLLER | 4'-0" (1.2m) |
| SERVICE INSTALLATION, GROUND MOUNT, TYPE A - SQUARE | 4'-0" (1.2m) |

DEPTH OF FOUNDATION

| MAST ARM LENGTH | ① FOUNDATION DEPTH | FOUNDATION DIAMETER | SPIRAL DIAMETER | QUANTITY OF REBARS | SIZE OF REBARS |
|--|--------------------|---------------------|-----------------|--------------------|----------------|
| Less than 30' (9.1 m) | 10'-0" (3.0 m) | 30" (750mm) | 24" (600mm) | 8 | 6(19) |
| Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m) | 13'-6" (4.1 m) | 30" (750mm) | 24" (600mm) | 8 | 6(19) |
| Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m) | 11'-0" (3.4 m) | 36" (900mm) | 30" (750mm) | 12 | 7(22) |
| Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m) | 13'-0" (4.0 m) | 36" (900mm) | 30" (750mm) | 12 | 7(22) |
| Greater than or equal to 55' (16.8 m) and up to 65' (19.8 m) | 15'-0" (4.6 m) | 36" (900mm) | 30" (750mm) | 12 | 7(22) |
| Greater than or equal to 65' (19.8 m) and less than 75' (22.9 m) | 21'-0" (6.4 m) | 42" (1060mm) | 36" (900mm) | 16 | 8(25) |
| Greater than or equal to 75' (22.9 m) and up to 85' (25.9 m) | 25'-0" (7.6 m) | 42" (1060mm) | 36" (900mm) | 16 | 8(25) |

NOTES:

- These foundation depths are for sites which have cohesive soils (clayey silt, sandy clay, etc.) along the length of the shaft, with an average Unconfined Compressive Strength (qu) > 1.0 tsf (100 kpa). This strength shall be verified by boring data prior to construction or with testing by the Engineer during foundation drilling. The Bureau of Bridges & Structures should be contacted for a revised design if other conditions are encountered.
- Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
- Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations.
- For mast arm assemblies with dual arms refer to state standard 878001..

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

MODEL: E
FILE NAME: C:\Engineering\LiveProjects\1003_IDOT_DUB_HBRWID_14_-_Var_#5\CADD\CADD_Sheet\Civil\62167\103167-Sub-1.dgn

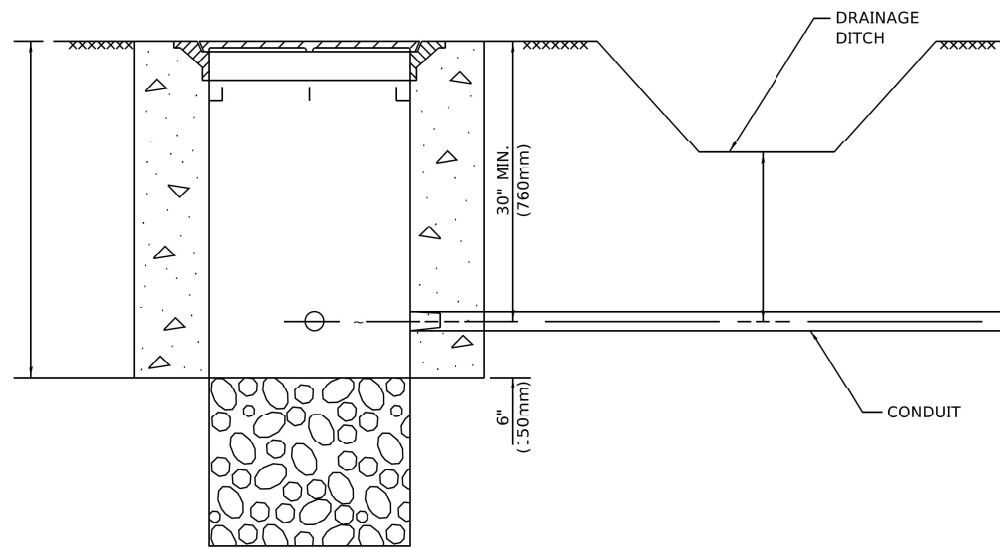
| | | |
|----------------------------|------------|-----------|
| USER NAME = footemj | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 50.0000' / 1" | CHECKED - | REVISED - |
| PLOT DATE = 3/4/2019 | DATE - | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET 5 OF 7 SHEETS STA. TO STA.

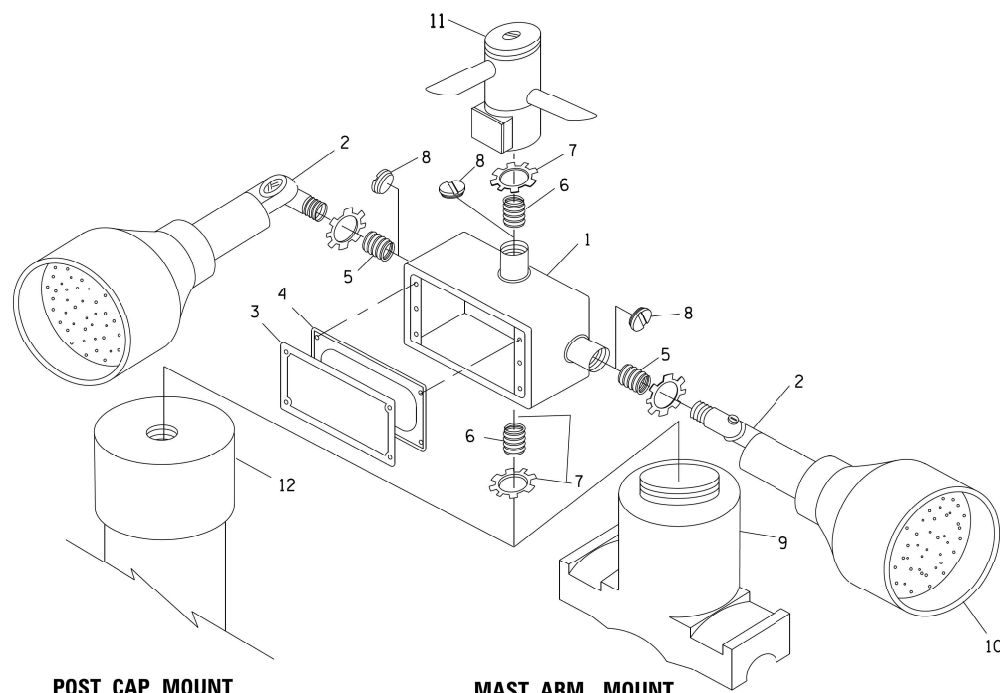
| | | | | |
|---------------------------|-------------|--------------------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 347 | 2021-047-R5 | COOK | 65 | 41 |
| TS-05 | | CONTRACT NO. 62N67 | | |
| ILLINOIS FED. AID PROJECT | | | | |



NOTES:

1. CONDUIT DEPTH SHALL BE A MINIMUM OF 30" (760mm) BELOW THE BOTTOM OF THE DRAINAGE DITCH OR ANY SLOPING GROUND
2. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL CONDUIT PLACED UNDER ROADWAY PAVEMENT, MULTI-USE PATHS, SIDEWALKS AND SOIL SURFACES.
3. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL HANDHOLES, HEAVY DUTY HANDHOLES AND DOUBLE HANDHOLES.

HANDHOLE WITH MINIMUM CONDUIT DEPTH
(NOT TO SCALE)

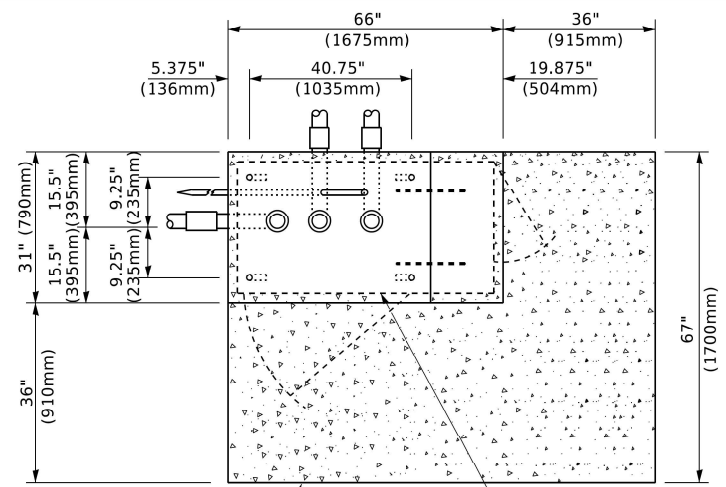


POST CAP MOUNT **MAST ARM MOUNT**
EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION
BEACON MOUNTING DETAIL

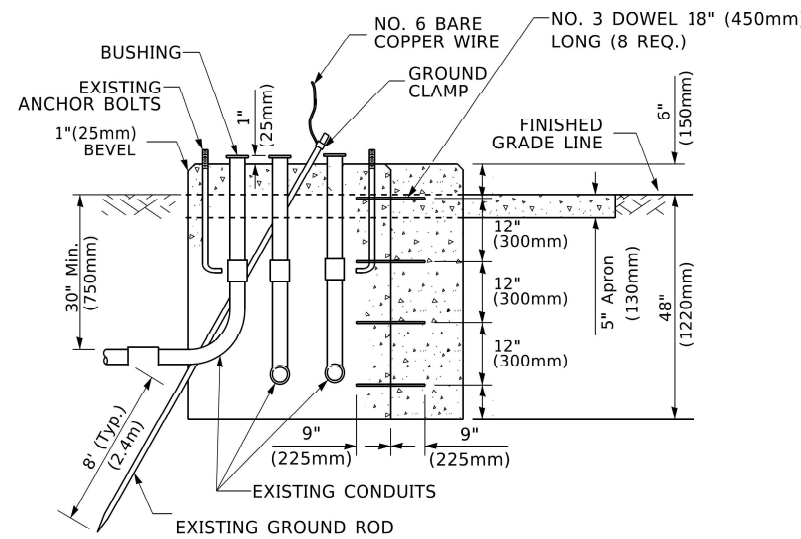
| ITEM NO. | IDENTIFICATION |
|----------|---|
| 1 | OUTLET BOX- GALV. 21 CU.IN. (0.000344 CU-M) |
| 2 | LAMP HOLDER AND COVER |
| 3 | OUTLET BOX COVER |
| 4 | RUBBER COVER GASKET |
| 5 | REDUCING BUSHING |
| 6 | 3/4" (19 mm) CLOSE NIPPLE |
| 7 | 3/4" (19 mm) LOCKNUT |
| 8 | 3/4" (19 mm) HOLE PLUG |
| 9 | SADDLE BRACKET - GALV. |
| 10 | 6 WATT PAR 38 LED FLOOD LAMP |
| 11 | DETECTOR UNIT |
| 12 | POST CAP [18 FT. (5.4 m) POST MIN.] |

NOTES:

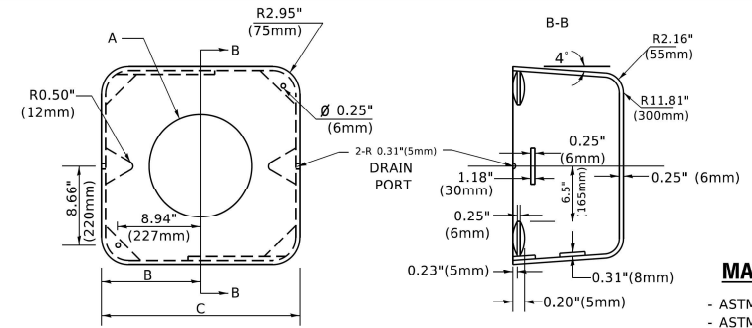
1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT
ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT
ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
3. WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A 3/4" (19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.



TOP VIEW
(NOT TO SCALE)



MODIFY EXISTING TYPE "D" FOUNDATION
TO TYPE "C" FOUNDATION
(NOT TO SCALE)



MATERIAL
- ASTM A36 STEEL
- ASTM A-123 HOT DIPPED GALVANIZED

| | A | B | C | HEIGHT | WEIGHT |
|--|--------|---------------|--------------|--------------------------|-----------------|
| | VARIES | 9.5"(241mm) | 19"(483mm) | 7" (178mm) - 12" (300mm) | 53 lbs (24kg) |
| | VARIES | 10.75"(273mm) | 21.5"(546mm) | 7" (178mm) - 12" (300mm) | 68 lbs (31 kg) |
| | VARIES | 13.0"(330mm) | 26"(660mm) | 7" (178mm) - 12" (300mm) | 81 lbs (37 kg) |
| | VARIES | 18.5"(470mm) | 37"(940mm) | 7" (178mm) - 12" (300mm) | 126 lbs (57 kg) |

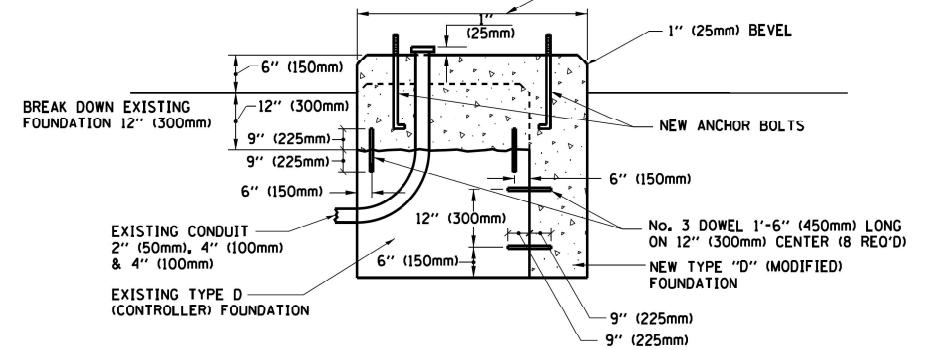
SHROUD

NOTES:

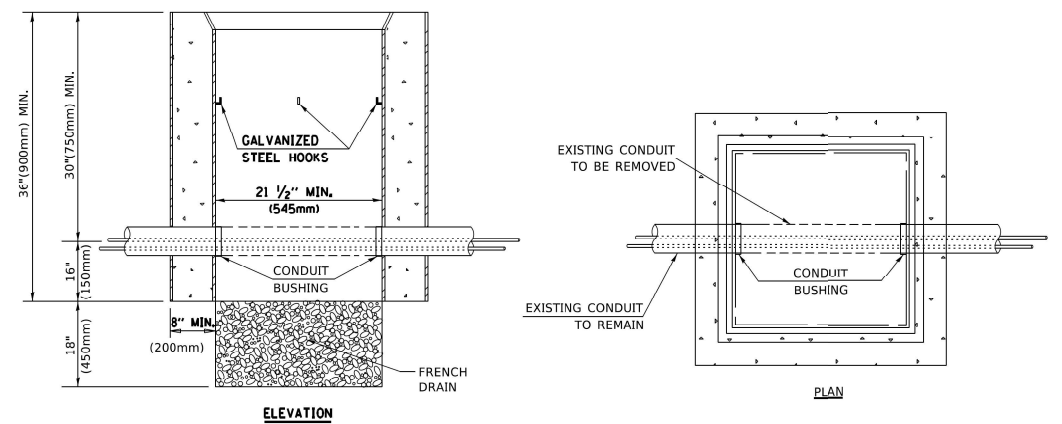
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

NOTE:

SUPPORT EXISTING CABINET AND CONTROL EQUIPMENT ABOVE FOUNDATION TO KEEP TRAFFIC SIGNAL FUNCTIONING WHILE FOUNDATION MODIFICATION WORK IS PROCEEDING.



MODIFY EXISTING TYPE "D" FOUNDATION



NOTES:

1. HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
2. REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCLUDED WITH THE COST OF THE HANDHOLE.

HANDHOLE TO INTERCEPT EXISTING CONDUIT

MODEL: F:\FILE NAME: C:\Engineering\LiveProjects\21003_IDOT_DUB_HBRW10_14_Vor_#05\CADD\CADD_Sheet\Civil\62167\21003-14.dwg

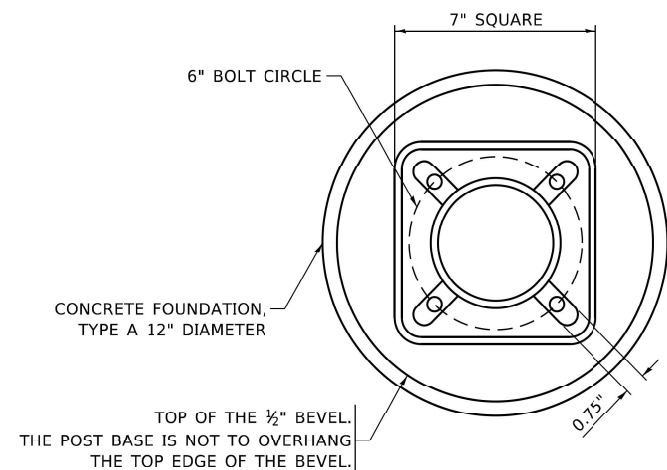
| | | |
|----------------------------|------------|-----------|
| USER NAME = footemj | DESIGNED - | REVISED - |
| PLOT SCALE = 50.0000' / 1" | DRAWN - | REVISED - |
| PLOT DATE = 3/4/2019 | CHECKED - | REVISED - |
| | DATE - | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE SHEET 6 OF 7 SHEETS STA. TO STA.

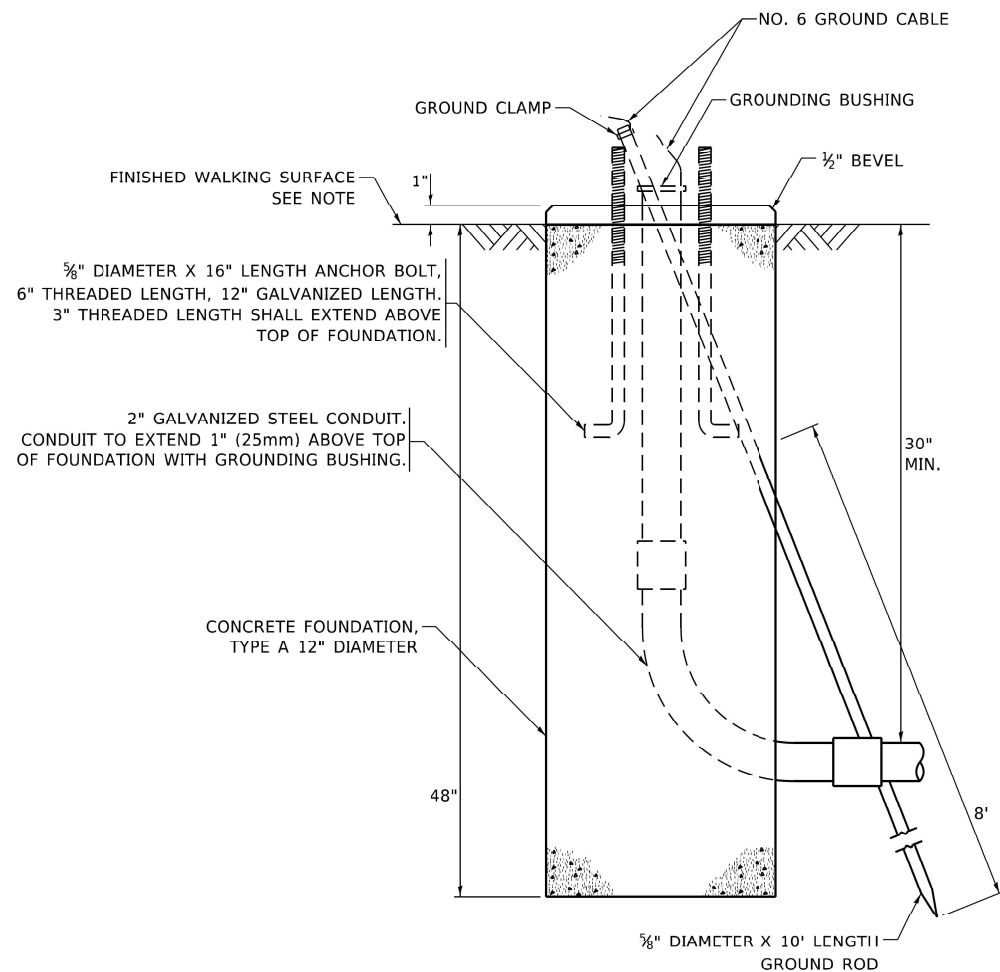
| | | | | |
|---------------------------|---------------------|--------------------|-----------------|--------------|
| F.A.P. RTE. 347 | SECTION 2021-047-R5 | COUNTY COOK | TOTAL SHEETS 65 | SHEET NO. 42 |
| TS-05 | | CONTRACT NO. 62N67 | | |
| ILLINOIS FED. AID PROJECT | | | | |



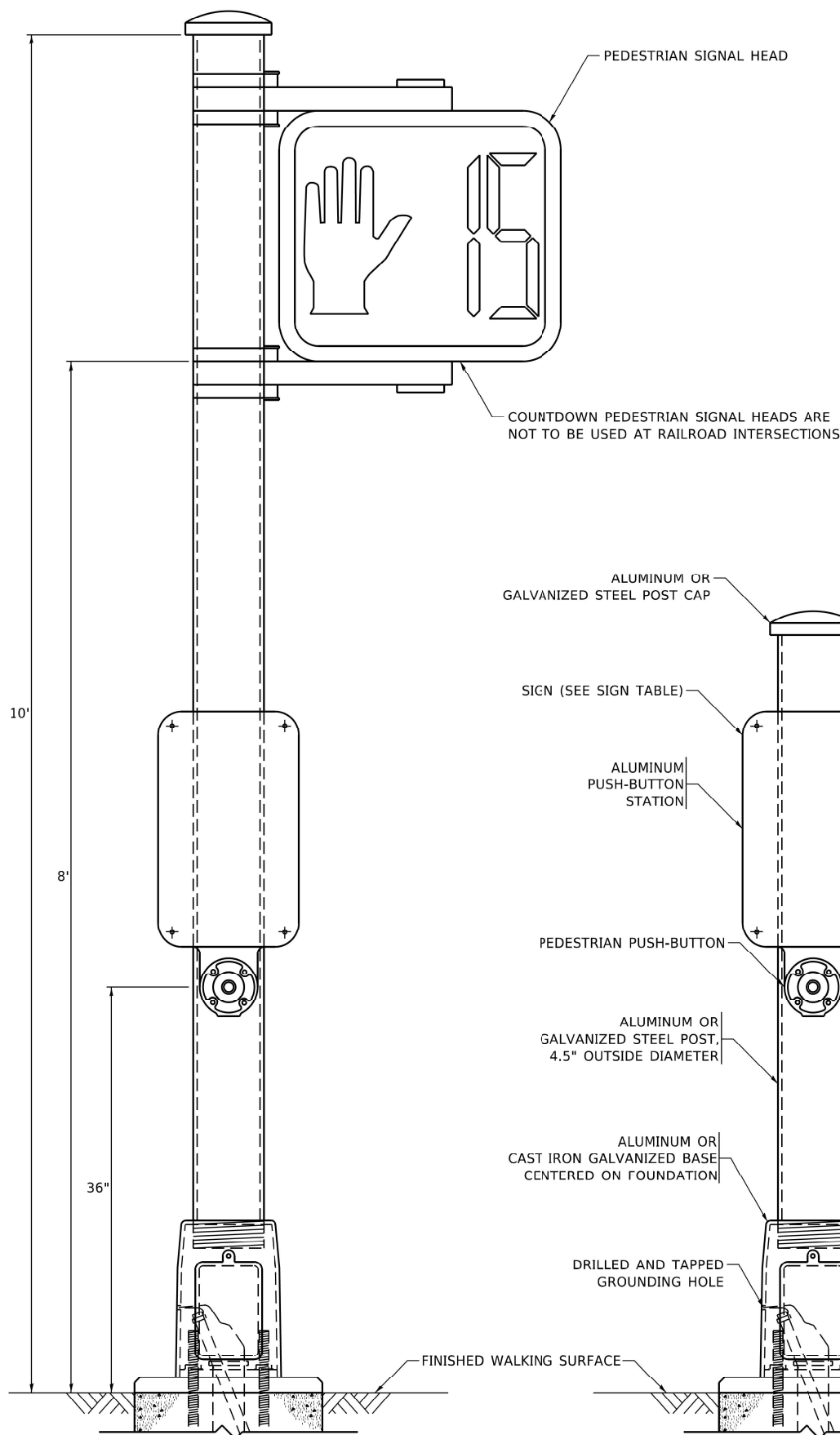
BOLT PATTERN

NOTE:

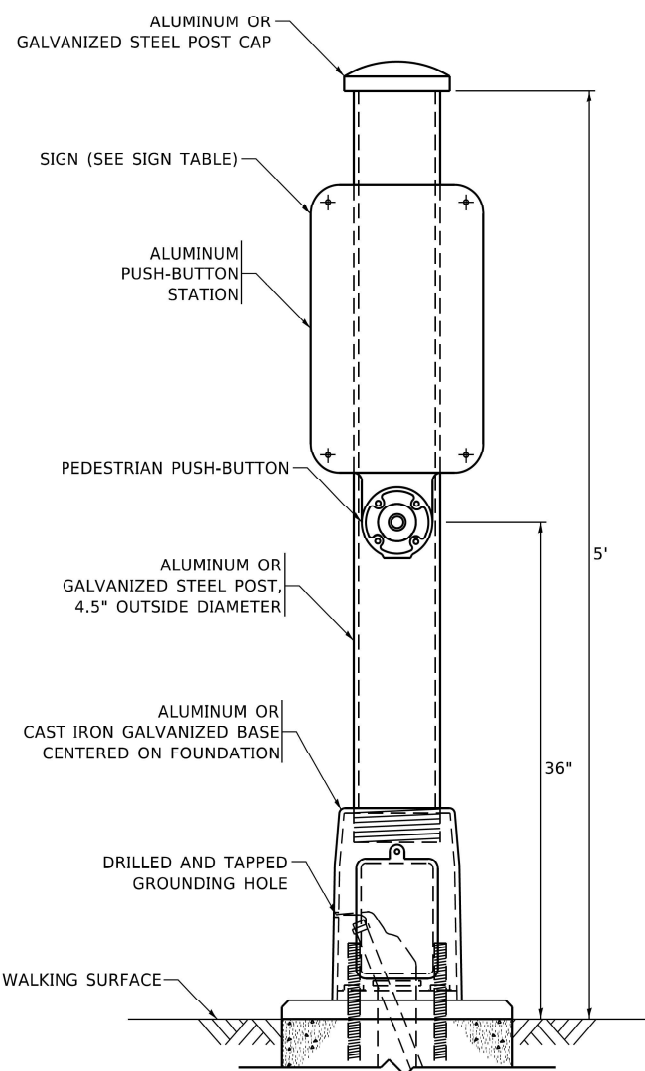
1. IF THE PEDESTRIAN SIGNAL POST FOUNDATION IS INSTALLED WITHIN OR BEHIND A BARRIER CURB, THE TOP OF THE FOUNDATION SHALL BE INSTALLED FLUSH WITH THE TOP OF THE BARRIER CURB.



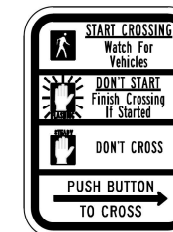
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER



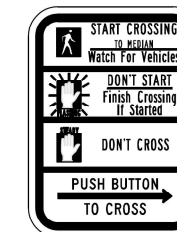
PEDESTRIAN SIGNAL POST, 10 FT.



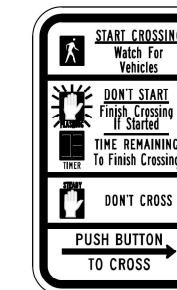
PEDESTRIAN SIGNAL POST, 5 FT.



R10-3b



R10-3d



R10-3e

SIGN TABLE

| SIGN | DIMENSIONS |
|------------------------|------------|
| R10-3b (RAILROAD ONLY) | 9" X 12" |
| R10-3d (RAILROAD ONLY) | 9" X 12" |
| R10-3e | 9" X 12" |

NOTES:

1. THE SIGN PANELS SHALL BE TYPE AP SHEETING.
2. THE ARROW ON SIGNS FOR PUSH-BUTTONS SERVING TWO DIRECTIONS ON THE SAME PHASE SHALL BE BI-DIRECTIONAL.
3. THE SIGN FOR DUAL-CALL PUSH-BUTTONS SHALL HAVE NO ARROW.

MODEL C:\Users\gaglanob\OneDrive\Documents\Projects\1003_IDOT_DUB_HBR\WID_14_Vor_#05\CADD\CADD_Sheet\Civil\62167\01\62167-01-01.dwg

| | | |
|------------------------------|-------------------|----------------------|
| USER NAME = gaglanob | DESIGNED - IP | REVISED - 10-15-2020 |
| PLOT SCALE = 100.0000' / in. | DRAWN - IP | REVISED - |
| PLOT DATE = 11/23/2020 | CHECKED - LP | REVISED - |
| | DATE - 10-15-2018 | REVISED - |

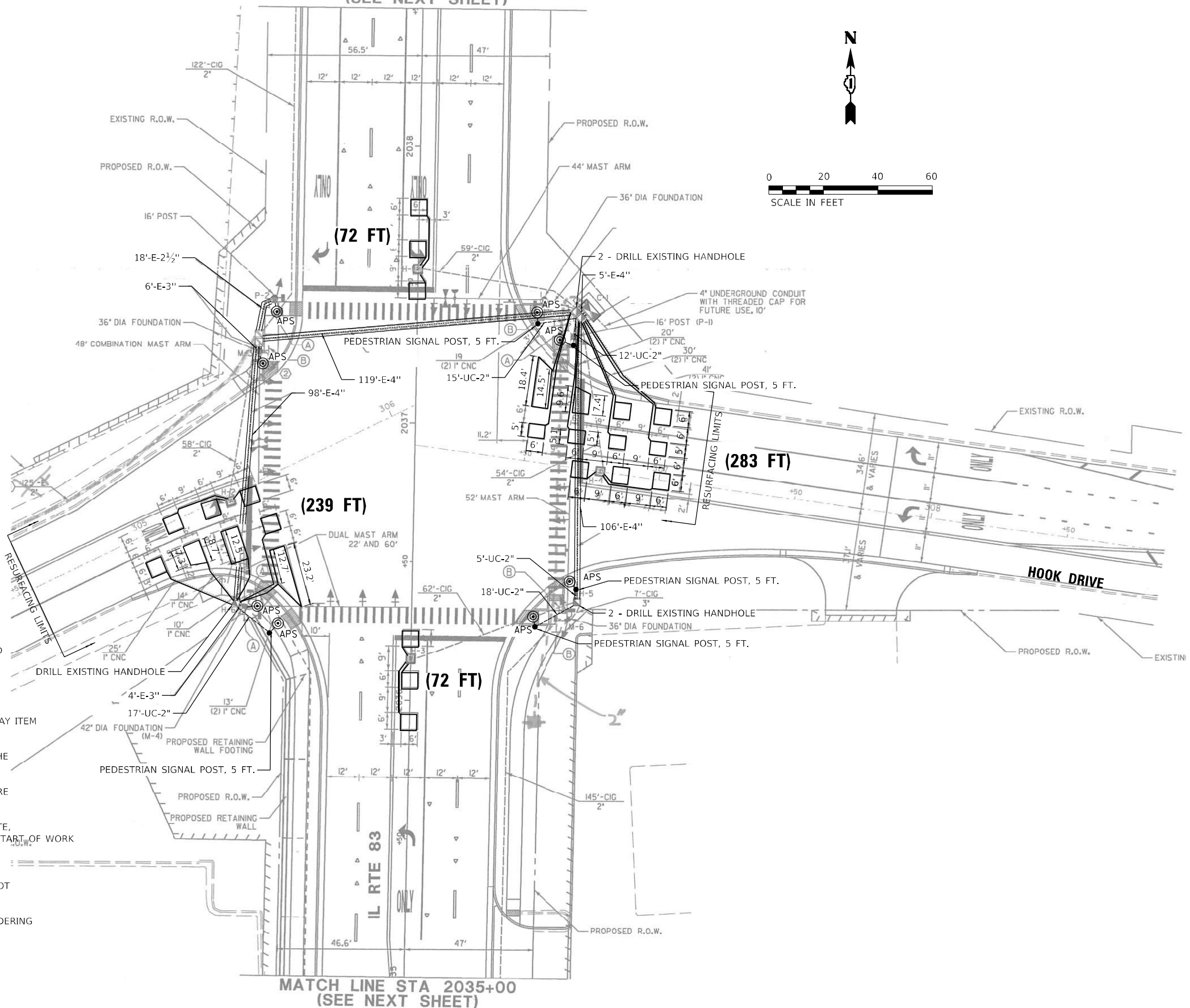
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET 7 OF 7 SHEETS STA. TO STA.

| | | | | |
|---------------------------|---------------------|--------------------|-----------------|--------------|
| F.A.P. RTE. 347 | SECTION 2021-047-R5 | COUNTY COOK | TOTAL SHEETS 65 | SHEET NO. 43 |
| TS-05 | | CONTRACT NO. 62N67 | | |
| ILLINOIS FED. AID PROJECT | | | | |

MATCH LINE STA 2038+50
(SEE NEXT SHEET)



NOTES

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE, THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

8 EACH PEDESTRIAN PUSH-BUTTON

ALL EXISTING PEDESTRIAN PUSH-BUTTON SHALL BE REMOVED AND PAID FOR UNDER THE PAY ITEM "REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT."

CONTRACTOR SHALL PERFORM SIGNAL WORK IN SUCH A WAY AS TO MINIMIZE THE TIME THE EXISTING PEDESTRIAN EQUIPMENT IS INOPERATIONAL

CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE PEDESTRIAN EQUIPMENT BEFORE INSTALLATION WITH THE TRAFFIC SIGNAL AREA ENGINEER

DIMENSIONS SHOWN ARE FROM CENTER OF POST TO BACK OF CURB AND ARE APPROXIMATE, AND PLACEMENT OF THE 5' POST SHALL BE VERIFIED WITH THE ENGINEER PRIOR TO THE START OF WORK

APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK

STATIONING SHOWN ON TRAFFIC SIGNAL PLAN ARE FROM RECORD DRAWINGS AND WILL NOT MATCH OTHER PLANS

CONTRACTOR SHALL FIELD VERIFY ALL EXISTING TRAFFIC SIGNAL EQUIPMENT PRIOR TO ORDERING MATERIALS AND STARTING ANY WORK

MATCH LINE STA 2035+00
(SEE NEXT SHEET)

MODEL: Default
 FILE NAME: G:\Engineering\01\LiveProjects\21003_IDOT_DUB_HBRWID_14_V01_APS\CADD\CADD_Sheet\Civil\62N67\01\62N67-ahb-rs-2_11-23.dwg at Hook_D1.dgn



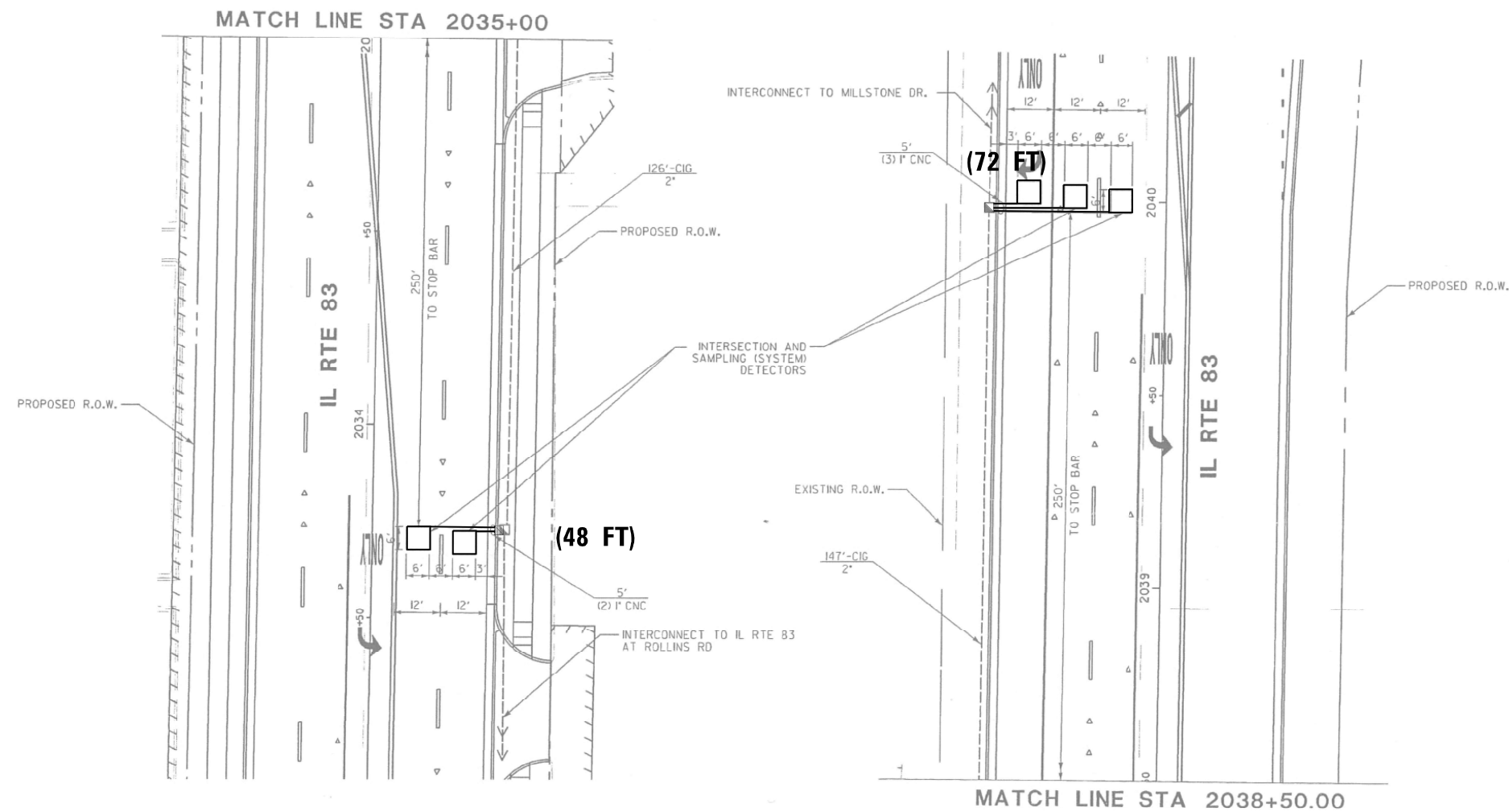
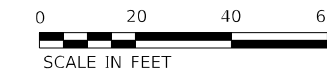
| | | |
|-----------------------------|------------------|-----------|
| USER NAME = jdavis | DESIGNED - PV | REVISED - |
| PLOT SCALE = 40,0000 */ in. | DRAWN - PV | REVISED - |
| PLOT DATE = 8/18/2022 | CHECKED - JJD | REVISED - |
| | DATE - 8/14/2022 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL RTE 83 AND HOOK DR
APS AND DETECTOR LOOP REPLACEMENT PLAN**

SCALE: 1" = 20' SHEET 1 OF 10 SHEETS STA. TO STA.

| | |
|---------------------------|---------------------|
| TS 21992 | |
| F.A.P. RTE. 347 | SECTION 2021-047-R5 |
| COUNTY COOK | TOTAL SHEETS 65 |
| | SHEET NO. 44 |
| CONTRACT NO. 62N67 | |
| ILLINOIS FED. AID PROJECT | |



NOTES:

STATIONING SHOWN ON TRAFFIC SIGNAL PLAN ARE FROM RECORD DRAWINGS AND WILL NOT MATCH OTHER PLANS

CONTRACTOR SHALL FIELD VERIFY ALL EXISTING TRAFFIC SIGNAL EQUIPMENT PRIOR TO ORDERING MATERIALS AND STARTING ANY WORK

MODEL: Default
 FILE NAME: G:\Engineering\LiveProjects\1003_IDOT_DWB_HBRWID_14_V01_APS\CADD\CADD_Sheet\Civil\62N67\01\62N67-Sub-15-3_IL-83_at_Hook_D1.dgn



| | | |
|-----------------------------|------------------|-----------|
| USER NAME = jdavis | DESIGNED - PV | REVISED - |
| | DRAWN - PV | REVISED - |
| PLOT SCALE = 40,0000 */ in. | CHECKED - JJD | REVISED - |
| PLOT DATE = 8/18/2022 | DATE - 8/14/2022 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL RTE 83 AND HOOK DR
APS AND DETECTOR LOOP REPLACEMENT PLAN**

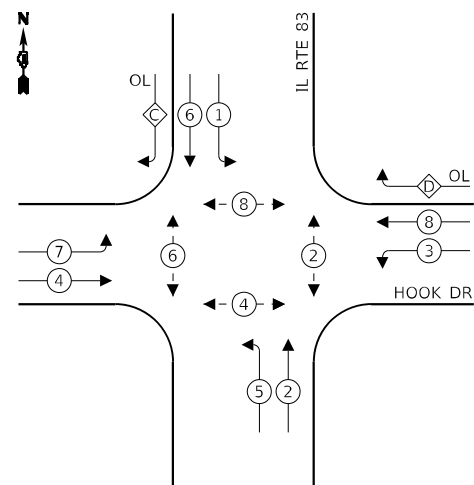
SCALE: 1" = 20' SHEET 2 OF 10 SHEETS STA. TO STA.

| | |
|---------------------------|---------------------|
| TS 21992 | |
| F.A.P. RTE. 347 | SECTION 2021-047-R5 |
| COUNTY COOK | TOTAL SHEETS 65 |
| | SHEET NO. 45 |
| CONTRACT NO. 62N67 | |
| ILLINOIS FED. AID PROJECT | |

SCHEDULE OF QUANTITIES

| ITEM DESCRIPTION | UNIT | TOTAL QTY |
|--|------|-----------|
| UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA | FOOT | 67 |
| MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION | EACH | 1 |
| ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C | FOOT | 696 |
| ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C | FOOT | 100 |
| DETECTOR LOOP, TYPE 1 | FOOT | 786 |
| DRILL EXISTING HANDHOLE | EACH | 5 |
| REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT | EACH | 1 |
| ACCESSIBLE PEDESTRIAN SIGNALS | EACH | 8 |
| PEDESTRIAN SIGNAL POST, 5 FT. | EACH | 5 |
| CONCRETE FOUNDATION, TYPE A, 12 INCH DIA. | FOOT | 20 |

EXISTING CONTROLLER SEQUENCE



LEGEND

- ← ⊙ → DUAL ENTRY PHASE
- ← ⊙ → PEDESTRIAN PHASE
- ← ⊙ → OVERLAP
- * REFERS TO ASSOCIATED PHASE

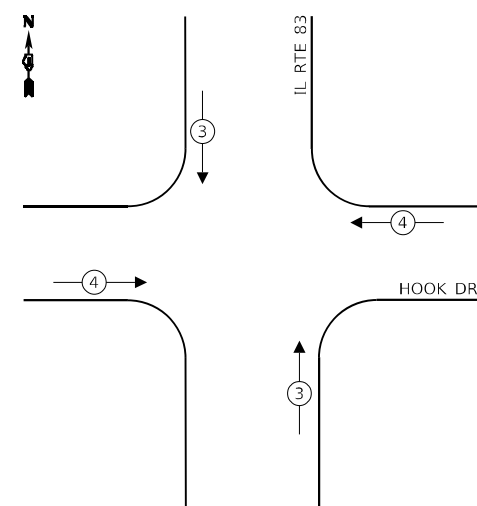
RIGHT TURN OVERLAP PHASE DESIGNATION

| OVERLAP LETTER | PERMISSIVE PHASE | PROTECTED PHASE |
|----------------|------------------|-----------------|
| C | = 6 | + 7 |
| D | = 8 | + 1 |

EXISTING FLASHING BEACON OPERATION

THE EXISTING YELLOW FLASHING BEACONS FACING EASTBOUND HOOK DR AT THE RAILROAD SHALL FLASH AT ALL TIMES EXCEPT WHEN PHASE 4 IS GREEN.

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



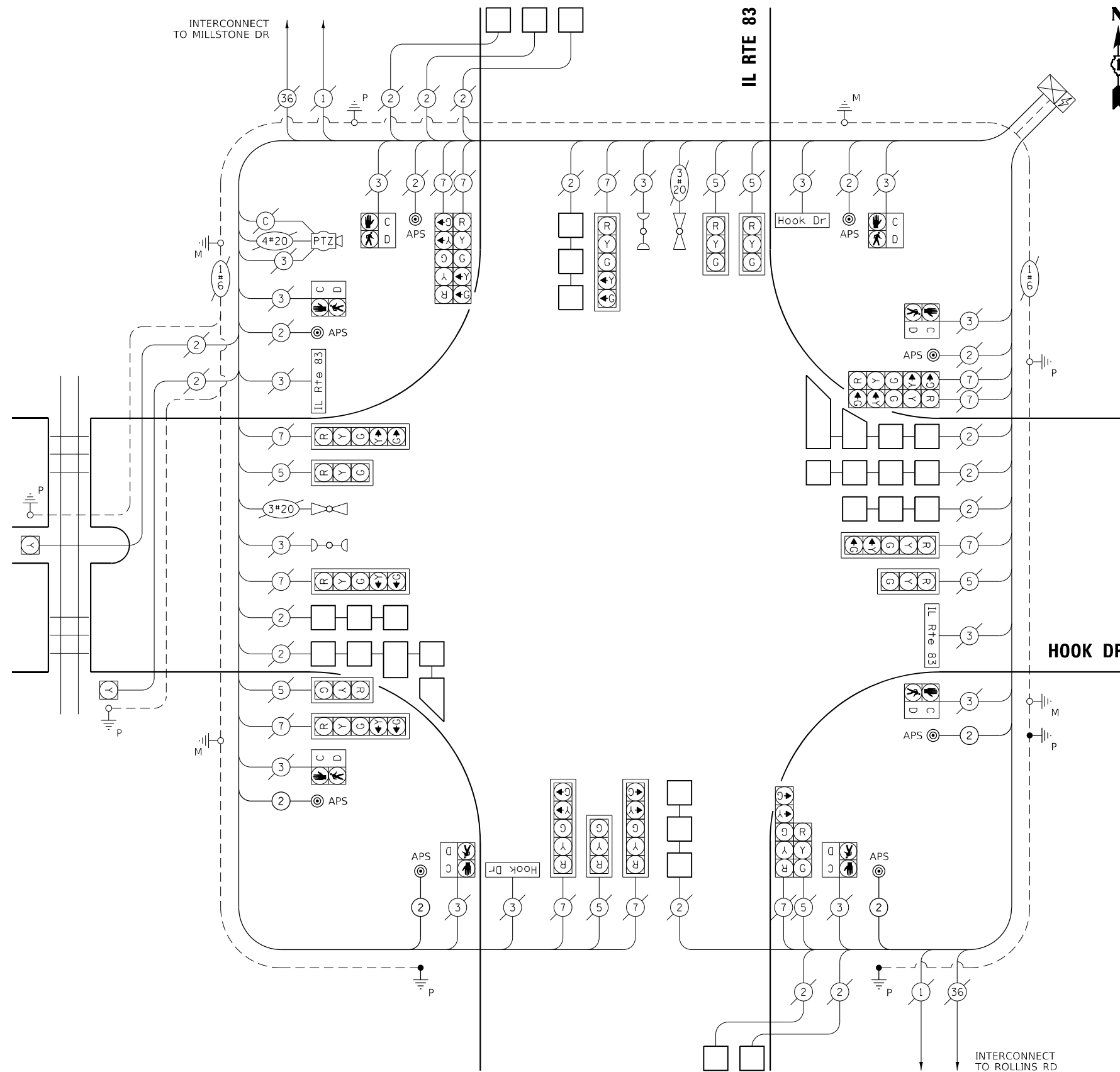
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

| TYPE | NO. OF LAMPS | LED WATTAGE | % OPERATION | TOTAL WATTAGE |
|------------------|--------------|-------------|-------------|---------------|
| SIGNAL (RED) | 19 | 11 | 50 | 105 |
| (YELLOW) | 19 | 20 | 5 | 19 |
| (GREEN) | 19 | 12 | 45 | 103 |
| PERMISSIVE ARROW | 24 | 10 | 10 | 24 |
| PED. SIGNAL | 8 | 20 | 100 | 160 |
| ILLUMINATED SIGN | 4 | 120 | 50 | 240 |
| VIDEO SYSTEM | 1 | 150 | 100 | 150 |
| YELLOW FLASHER | 2 | 20 | 50 | 20 |
| CONTROLLER | 1 | 100 | 100 | 100 |
| UPS | 1 | 25 | 100 | 25 |
| TOTAL = | | | | 946 |

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION
201 W. CENTER CT
SCHAUMBURG, IL 60196

ENERGY SUPPLY: CONTACT: COMED REPRESENTATIVE
PHONE: (866) 639-3532
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---



CABLE PLAN

NOT TO SCALE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL RTE 83 AND HOOK DR
APS AND DETECTOR LOOP REPLACEMENT PLAN

SCALE: NONE SHEET 3 OF 11 SHEETS STA. TO STA.

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|-------------|--------|--------------|-----------|
| 347 | 2021-047-R5 | COOK | 65 | 46 |
| CONTRACT NO. 62N67 | | | | |

TS 21992

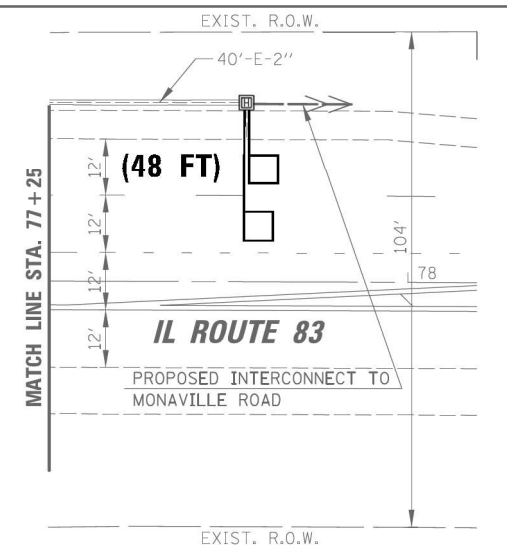
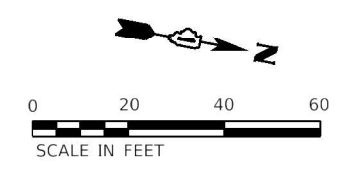
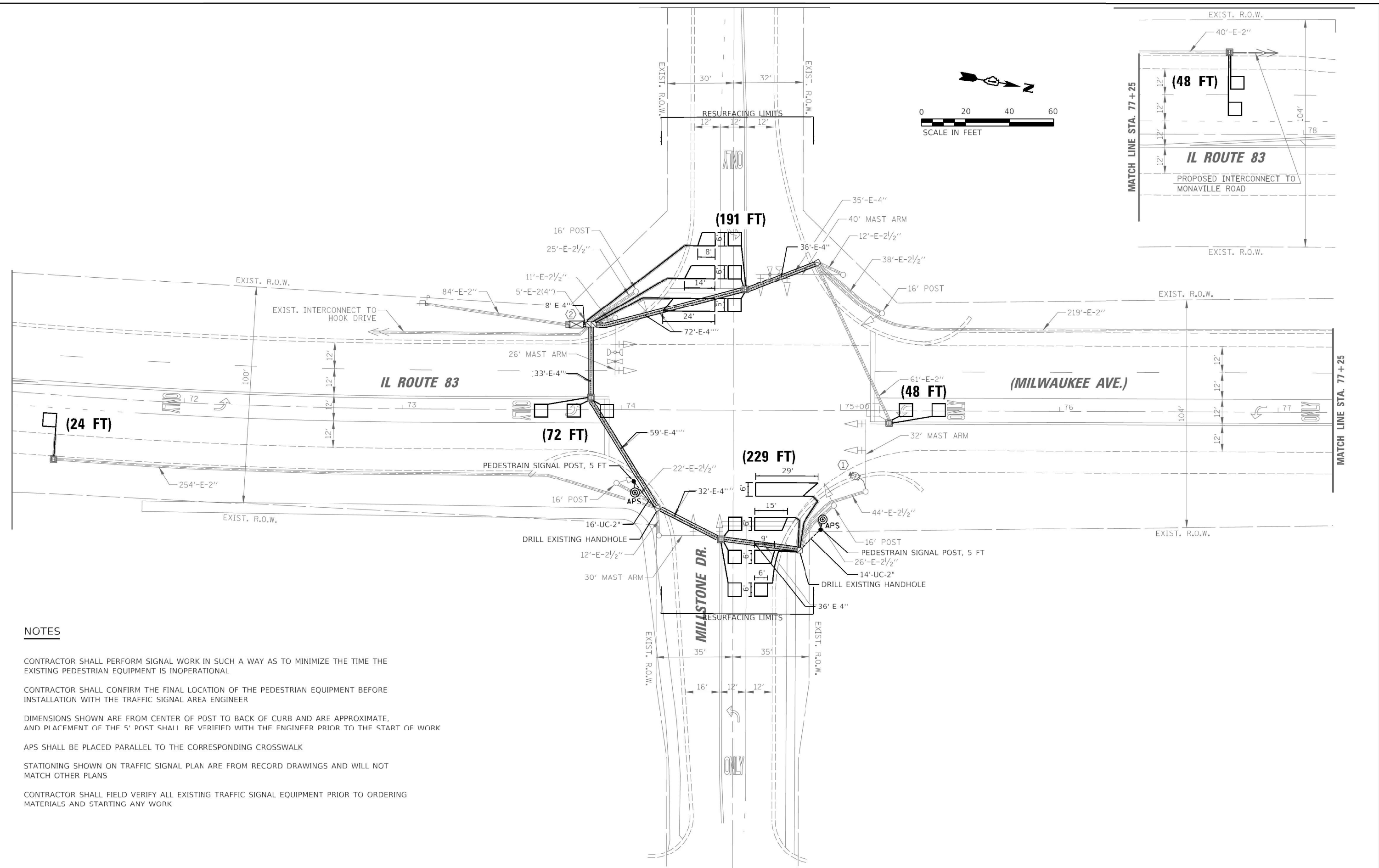
ILLINOIS FED. AID PROJECT

MODEL: D:\default... FILE: NAME: G:\Engineering\1\live\Project\21003_IDOT_DUB_HBR\W10_14_Vor_APS_CADD\CADD_Sheet\Civil\62N67\01\62N67-46.rvt-4 IL-83 at Hook Dr.dgn



| | |
|------------------|---------------------|
| DESIGNED - DW | REVISED - DW |
| DRAWN - DW | REVISED - DW |
| CHECKED - JJD | REVISED - JJD |
| DATE - 8/14/2022 | REVISED - 10/7/2022 |

MODEL: Default
 FILE: Millstone Dr Engineering\14003\DOT\DRS\DRW\14 - Vpr APS\CADD\CADD_Sheets\C6163R67D_62N67.dwg 10 (IL)83 at Millstone Dr.dwg



NOTES

- CONTRACTOR SHALL PERFORM SIGNAL WORK IN SUCH A WAY AS TO MINIMIZE THE TIME THE EXISTING PEDESTRIAN EQUIPMENT IS INOPERATIONAL
- CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE PEDESTRIAN EQUIPMENT BEFORE INSTALLATION WITH THE TRAFFIC SIGNAL AREA ENGINEER
- DIMENSIONS SHOWN ARE FROM CENTER OF POST TO BACK OF CURB AND ARE APPROXIMATE, AND PLACEMENT OF THE 5' POST SHALL BE VERIFIED WITH THE ENGINEER PRIOR TO THE START OF WORK
- APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK
- STATIONING SHOWN ON TRAFFIC SIGNAL PLAN ARE FROM RECORD DRAWINGS AND WILL NOT MATCH OTHER PLANS
- CONTRACTOR SHALL FIELD VERIFY ALL EXISTING TRAFFIC SIGNAL EQUIPMENT PRIOR TO ORDERING MATERIALS AND STARTING ANY WORK

TS 21991



| | | |
|----------------------------|------------------|-----------|
| USER NAME = jldavis | DESIGNED - PV | REVISED - |
| PLGT SCALE = 40.0000' / 1" | DRAWN - PV | REVISED - |
| PLGT DATE = 8/18/2022 | CHECKED - JJD | REVISED - |
| | DATE - 8/14/2022 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

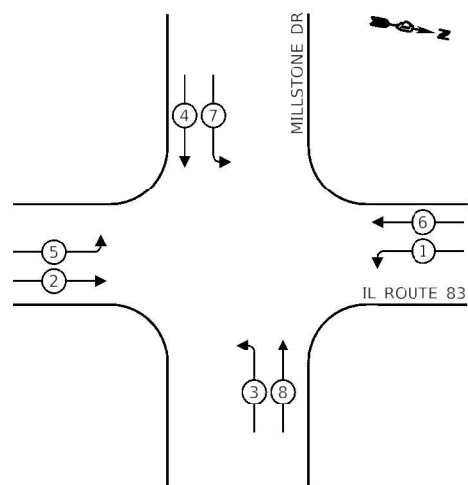
| | |
|--|----------------------|
| IL RTE 83 AND MILLSTONE DR APS AND DETECTOR LOOP REPLACEMENT PLAN | |
| SCALE: 1" = 20' | SHEET 4 OF 10 SHEETS |
| STA. _____ | TO STA. _____ |

| | | | | |
|---------------------------|---------------------|-------------|-----------------|--------------|
| F.A.P. RTE. 347 | SECTION 2021-047-R5 | COUNTY COOK | TOTAL SHEETS 65 | SHEET NO. 47 |
| CONTRACT NO. 62N67 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

SCHEDULE OF QUANTITIES

| ITEM DESCRIPTION | UNIT | TOTAL QTY |
|--|------|-----------|
| UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA | FOOT | 30 |
| MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION | EACH | 1 |
| ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C | FOOT | 394 |
| ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C | FOOT | 43 |
| DETECTOR LOOP, TYPE 1 | FOOT | 612 |
| DRILL EXISTING HANDHOLE | EACH | 2 |
| ACCESSIBLE PEDESTRIAN SIGNALS | EACH | 2 |
| PEDESTRIAN SIGNAL POST, 5 FT. | EACH | 2 |
| CONCRETE FOUNDATION, TYPE A, 12 INCH DIA. | FOOT | 8 |

EXISTING CONTROLLER SEQUENCE



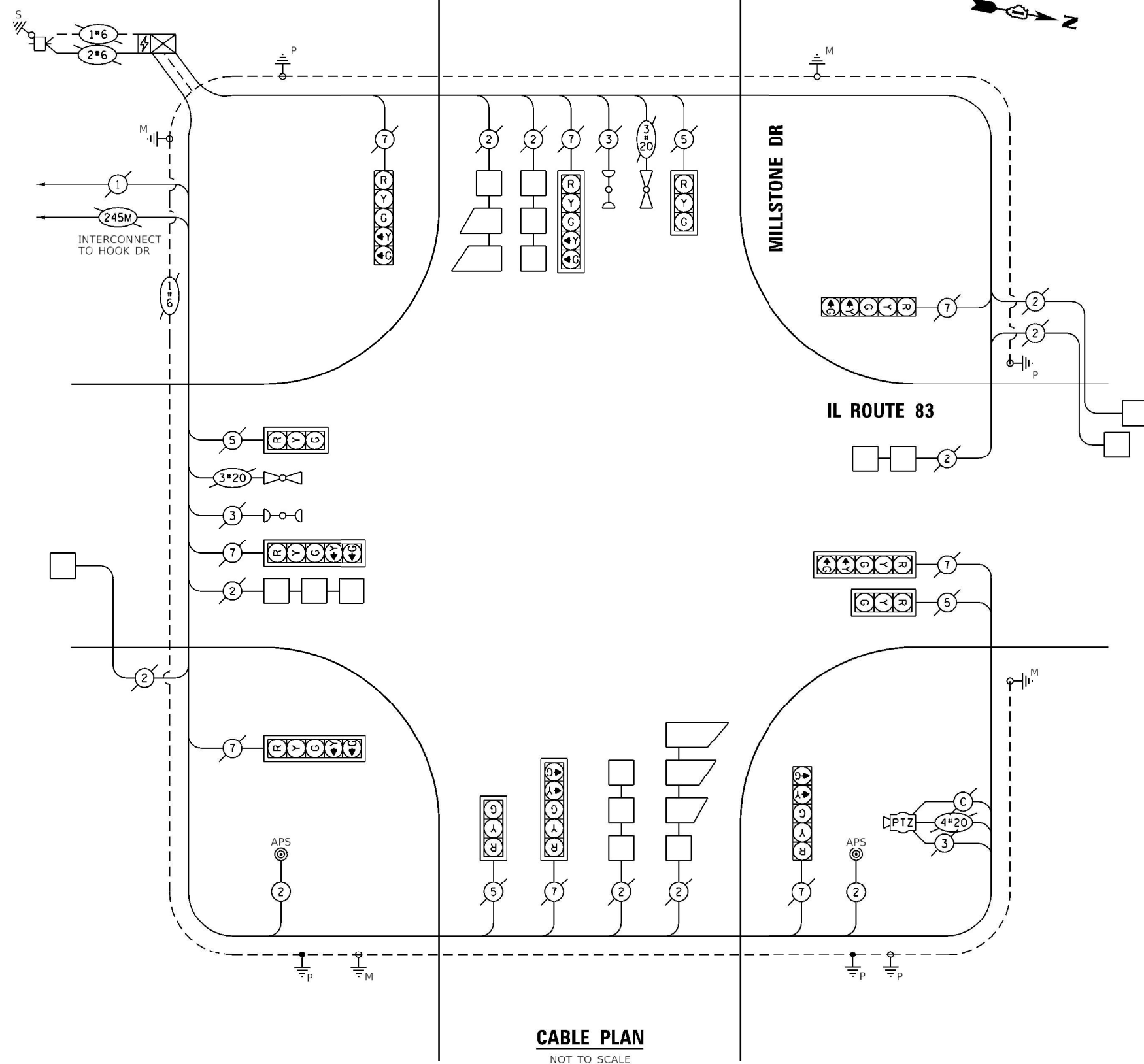
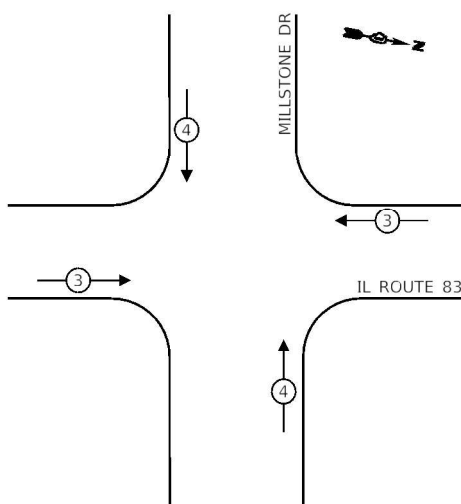
LEGEND

- DUAL ENTRY PHASE
- PEDESTRIAN PHASE
- OVERLAP
- * REFERS TO ASSOCIATED PHASE

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

| TYPE | NO. OF LAMPS | LED WATTAGE | % OPERATION | TOTAL WATTAGE |
|-----------------------|--------------|-------------|-------------|---------------|
| SIGNAL (RED) | 12 | 17 | 50 | 102 |
| (YELLOW) | 12 | 25 | 25 | 75 |
| (GREEN) | 12 | 15 | 25 | 45 |
| ARROW | 16 | 12 | 10 | 20 |
| PED. SIGNAL | - | 25 | 100 | - |
| LUMINAIRE | - | 250 | 50 | - |
| ILLUMINATED SIGN | - | 25 | - | - |
| PTZ CAMERA | 1 | 100 | 100 | 100 |
| CONTROLLER | 1 | 100 | 100 | 100 |
| BATTERY BACKUP SYSTEM | - | 75 | 100 | - |
| FLASHER | - | - | 50 | - |
| TOTAL = | | | | 442 |

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



CABLE PLAN

NOT TO SCALE

ENERGY COSTS TO:
ILLINOIS DEPARTMENT OF TRANSPORTATION
201 W. CENTER CT
SCHAUMBURG, IL 60196

ENERGY SUPPLY: CONTACT: COMED REPRESENTATIVE
PHONE: (866) 639-3532
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---



| | | |
|------------------------------|------------------|---------------------|
| USER NAME = j.davis | DESIGNED - PV | REVISED - PV |
| PLGT SCALE = 100,0000' / in. | DRAWN - PV | REVISED - PV |
| PLOT DATE = 10/4/2022 | CHECKED - JJD | REVISED - JJD |
| | DATE - 8/14/2022 | REVISED - 10/7/2022 |

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

**IL RTE 83 AND MILLSTONE DR
APS AND DETECTOR LOOP REPLACEMENT PLAN**

SCALE: NONE SHEET 5 OF 11 SHEETS STA. TO STA.

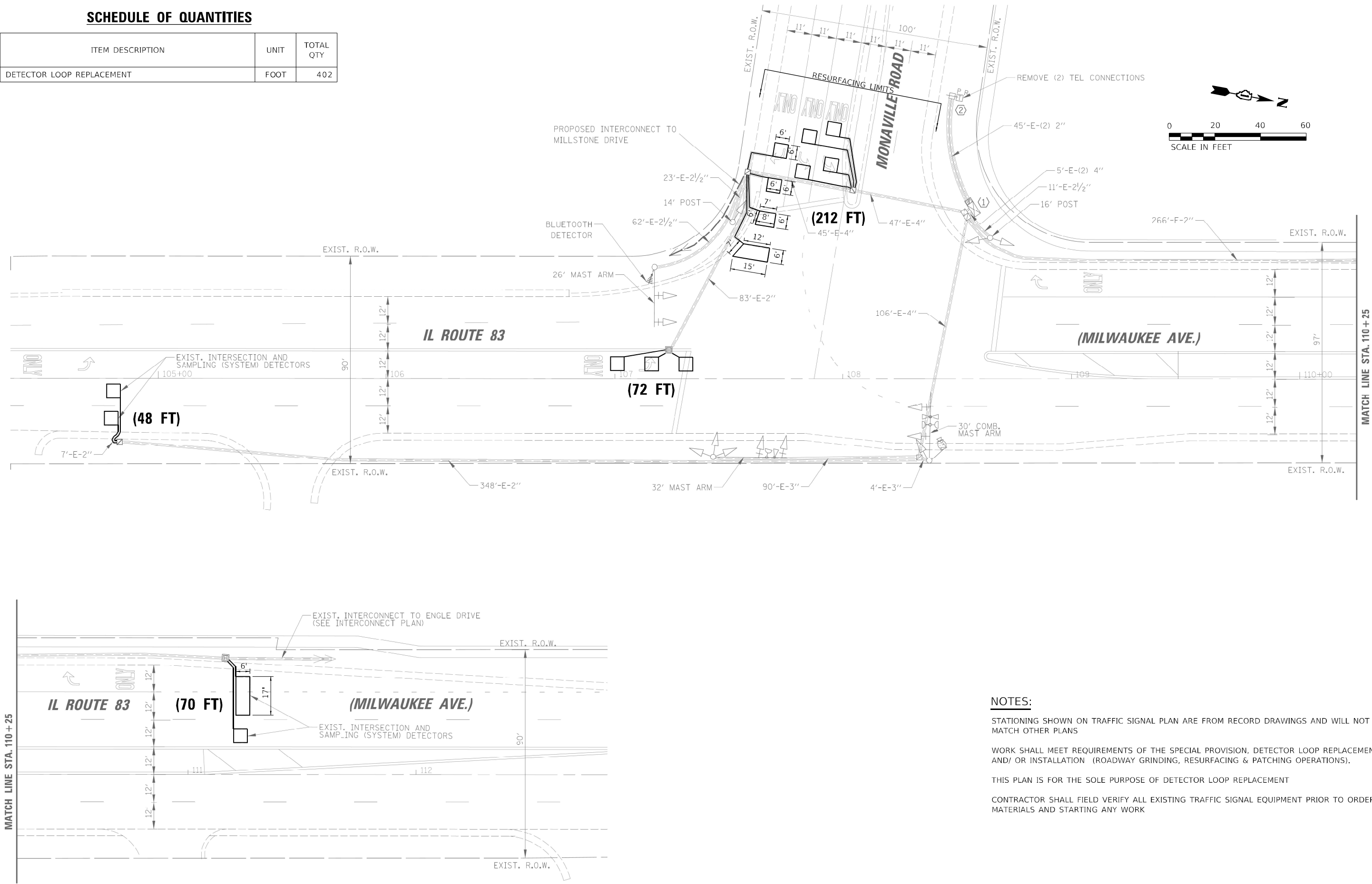
| | | | | |
|---------------------------|---------------------|-------------|-----------------|--------------|
| F.A.P. RTE. 347 | SECTION 2021-047-R5 | COUNTY COOK | TOTAL SHEETS 65 | SHEET NO. 48 |
| CONTRACT NO. 62N67 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

TS 21991

MODEL: D:\default... FILE: 62N67... 10/4/2022

SCHEDULE OF QUANTITIES

| ITEM DESCRIPTION | UNIT | TOTAL QTY |
|---------------------------|------|-----------|
| DETECTOR LOOP REPLACEMENT | FOOT | 402 |



NOTES:

- STATIONING SHOWN ON TRAFFIC SIGNAL PLAN ARE FROM RECORD DRAWINGS AND WILL NOT MATCH OTHER PLANS
- WORK SHALL MEET REQUIREMENTS OF THE SPECIAL PROVISION, DETECTOR LOOP REPLACEMENT AND/ OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS).
- THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT
- CONTRACTOR SHALL FIELD VERIFY ALL EXISTING TRAFFIC SIGNAL EQUIPMENT PRIOR TO ORDERING MATERIALS AND STARTING ANY WORK

MODEL: Default
 FILE NAME: G:\Engineering\LiveProjects\1003_IDOT_DUB_HBR\14 - Var.\RIS\CADD\CADD_Sheet\Civil\62N67\0162N67.dwg
 User: jrdavis at Monaville.dgn



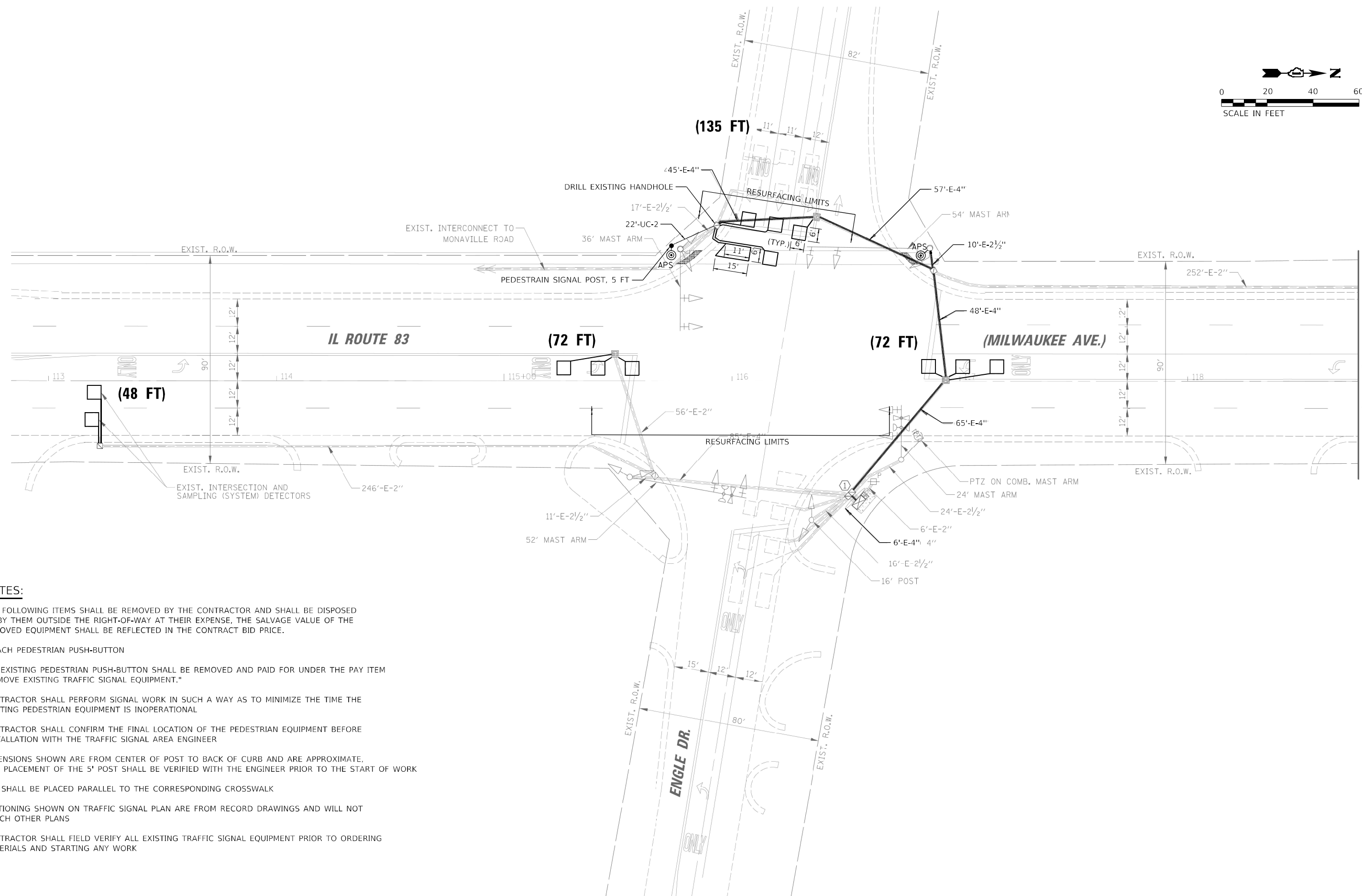
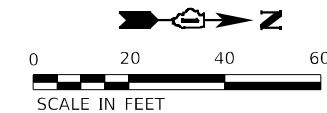
| | | |
|-----------------------------|------------------|---------------------|
| USER NAME = jrdavis | DESIGNED - PV | REVISED - PV |
| | DRAWN - PV | REVISED - PV |
| PLOT SCALE = 40,0000 */ in. | CHECKED - JJD | REVISED - JJD |
| PLOT DATE = 10/4/2022 | DATE - 8/14/2022 | REVISED - 10/7/2022 |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL RTE 83 AND MONAVILLE RD
APS AND DETECTOR LOOP REPLACEMENT PLAN**

SCALE: 1" = 20' SHEET 6 OF 11 SHEETS STA. TO STA.

| | |
|--------------------|------------------|
| TS 6948 | |
| F.A.P. RTE. | SECTION |
| 347 | 2021-047-R5 |
| COUNTY | TOTAL SHEETS |
| COOK | 65 |
| SHEET NO. 49 | |
| CONTRACT NO. 62N67 | |
| ILLINOIS | FED. AID PROJECT |



NOTES:

- THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE, THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.
- 2 EACH PEDESTRIAN PUSH-BUTTON
- ALL EXISTING PEDESTRIAN PUSH-BUTTON SHALL BE REMOVED AND PAID FOR UNDER THE PAY ITEM "REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT."
- CONTRACTOR SHALL PERFORM SIGNAL WORK IN SUCH A WAY AS TO MINIMIZE THE TIME THE EXISTING PEDESTRIAN EQUIPMENT IS INOPERATIONAL
- CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE PEDESTRIAN EQUIPMENT BEFORE INSTALLATION WITH THE TRAFFIC SIGNAL AREA ENGINEER
- DIMENSIONS SHOWN ARE FROM CENTER OF POST TO BACK OF CURB AND ARE APPROXIMATE, AND PLACEMENT OF THE 5' POST SHALL BE VERIFIED WITH THE ENGINEER PRIOR TO THE START OF WORK
- APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK
- STATIONING SHOWN ON TRAFFIC SIGNAL PLAN ARE FROM RECORD DRAWINGS AND WILL NOT MATCH OTHER PLANS
- CONTRACTOR SHALL FIELD VERIFY ALL EXISTING TRAFFIC SIGNAL EQUIPMENT PRIOR TO ORDERING MATERIALS AND STARTING ANY WORK

MODEL: Default
 FILE NAME: G:\Engineering\LiveProjects\21003_IDOT_DWB_HBR\W14 - Var APS\CADD\CADD_Sheet\Civil\62N67\01\62N67-Sub-rs-5 (1)-83 at Engle Dr.dgn
 MODEL: Default
 FILE NAME: G:\Engineering\LiveProjects\21003_IDOT_DWB_HBR\W14 - Var APS\CADD\CADD_Sheet\Civil\62N67\01\62N67-Sub-rs-5 (1)-83 at Engle Dr.dgn



| | | |
|-----------------------------|------------------|---------------------|
| USER NAME = jdavis | DESIGNED - PV | REVISED - PV |
| | DRAWN - PV | REVISED - PV |
| PLOT SCALE = 40,0000 */ in. | CHECKED - JJD | REVISED - JJD |
| PLOT DATE = 10/4/2022 | DATE - 8/14/2022 | REVISED - 10/7/2022 |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL RTE 83 AND ENGLE DR
APS AND DETECTOR LOOP REPLACEMENT PLAN

SCALE: 1" = 20' SHEET 7 OF 11 SHEETS STA. TO STA.

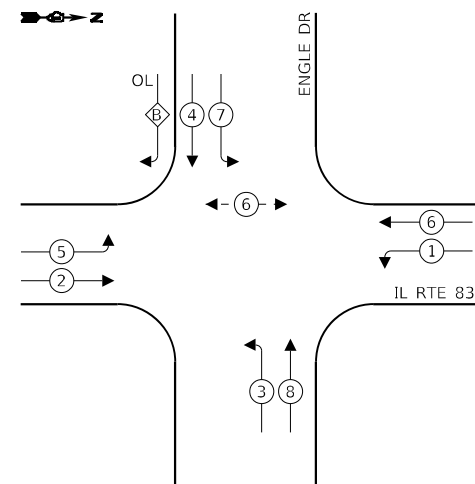
| | | | | |
|---------------------------|-------------|--------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 347 | 2021-047-R5 | COOK | 65 | 50 |
| CONTRACT NO. 62N67 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

TS 6949

SCHEDULE OF QUANTITIES

| ITEM DESCRIPTION | UNIT | TOTAL QTY |
|--|------|-----------|
| UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA | FOOT | 22 |
| MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION | EACH | 1 |
| ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C | FOOT | 298 |
| ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C | FOOT | 29 |
| DETECTOR LOOP, TYPE 1 | FOOT | 327 |
| DRILL EXISTING HANDHOLE | EACH | 1 |
| REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT | EACH | 1 |
| ACCESSIBLE PEDESTRIAN SIGNALS | EACH | 2 |
| PEDESTRIAN SIGNAL POST, 5 FT. | EACH | 1 |
| CONCRETE FOUNDATION, TYPE A, 12 INCH DIA. | FOOT | 4 |

EXISTING CONTROLLER SEQUENCE



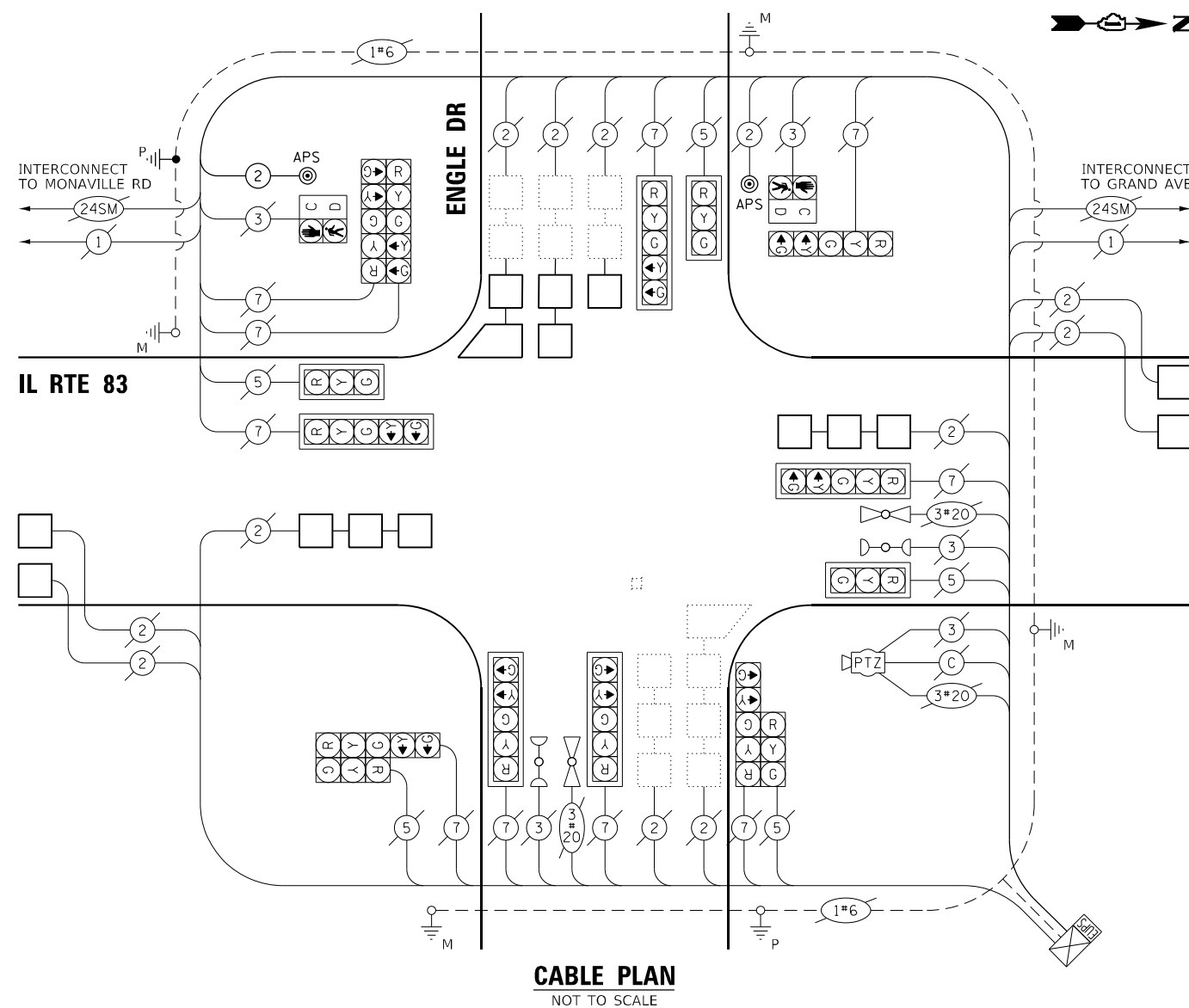
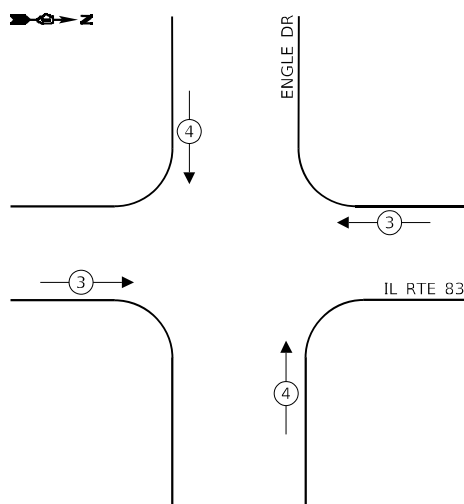
LEGEND

- ← * → DUAL ENTRY PHASE
- ← * → PEDESTRIAN PHASE
- ← OL → OVERLAP
- * REFERS TO ASSOCIATED PHASE

RIGHT TURN OVERLAP PHASE DESIGNATION

| OVERLAP LETTER | PERMISSIVE PHASE | PROTECTED PHASE |
|----------------|------------------|-----------------|
| B | = 4 | + 5 |

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



CABLE PLAN
NOT TO SCALE

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

| TYPE | NO. OF LAMPS | LED WATTAGE | % OPERATION | TOTAL WATTAGE |
|------------------|--------------|-------------|-------------|---------------|
| SIGNAL (RED) | 15 | 11 | 50 | 83 |
| (YELLOW) | 15 | 20 | 5 | 15 |
| (GREEN) | 15 | 12 | 45 | 81 |
| PERMISSIVE ARROW | 20 | 10 | 10 | 20 |
| PED. SIGNAL | 2 | 20 | 100 | 40 |
| VIDEO SYSTEM | 1 | 100 | 100 | 100 |
| CONTROLLER | 1 | 100 | 100 | 100 |
| UPS | 1 | 25 | 100 | 25 |
| TOTAL = | | | | 500 |

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION
201 W. CENTER CT
SCHAUMBURG, IL 60196

ENERGY SUPPLY: CONTACT: COMED REPRESENTATIVE
PHONE: (866) 639-3532
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---

MODEL: Default
FILE NAME: G:\Engineering\Live\Projects\21003_IDOT_DUB_HBRVVO_14_Vor_APS\CADD\CADD_Sheets\Civil\62167-dbr-14-6 IL-83 at Engle Dr.dwg



| | | |
|------------------------------|------------------|---------------------|
| USER NAME = j.davis | DESIGNED - DW | REVISED - DW |
| PLOT SCALE = 100,0000' / in. | DRAWN - DW | REVISED - DW |
| PLOT DATE = 10/4/2022 | CHECKED - JJD | REVISED - JJD |
| | DATE - 8/14/2022 | REVISED - 10/7/2022 |

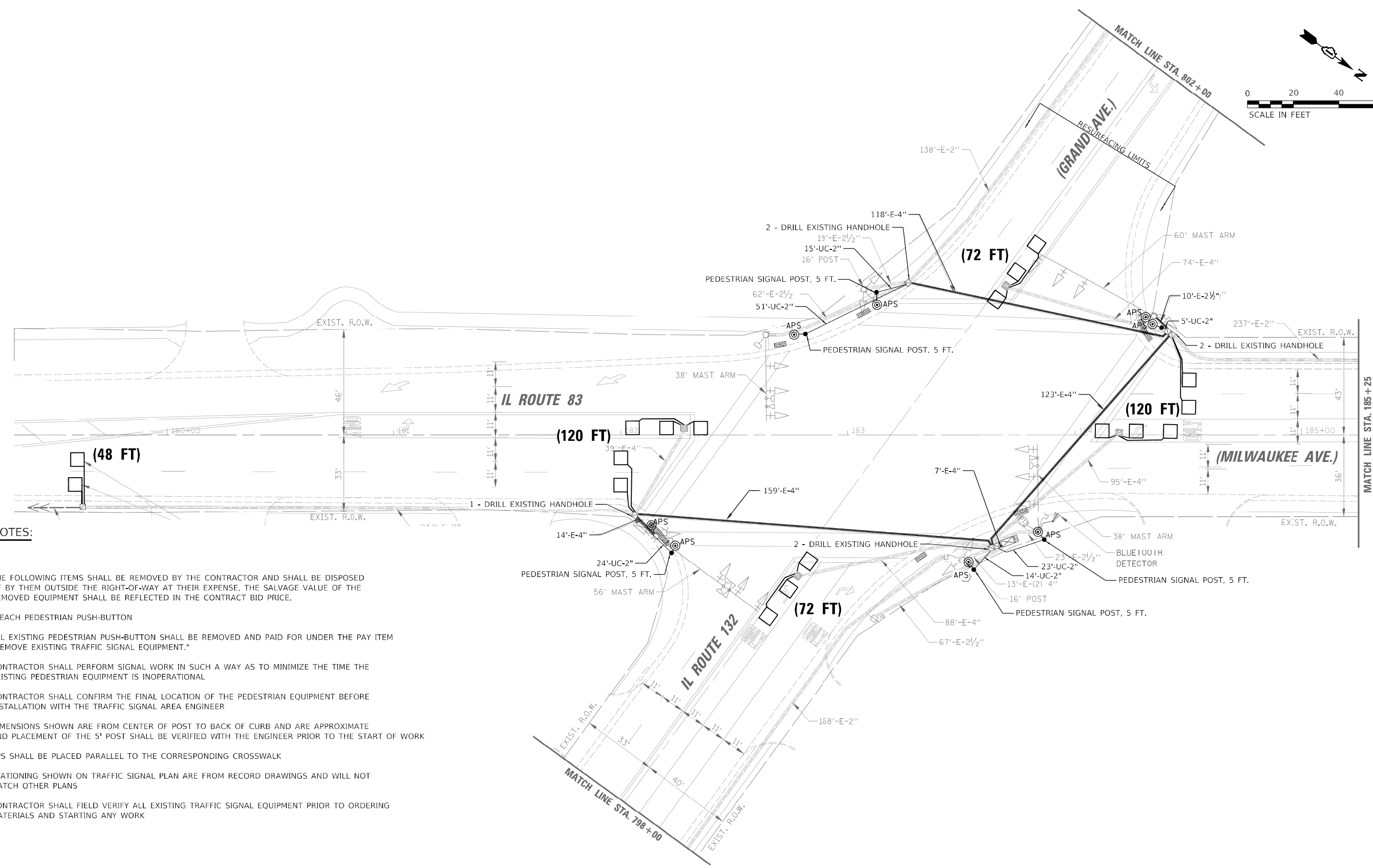
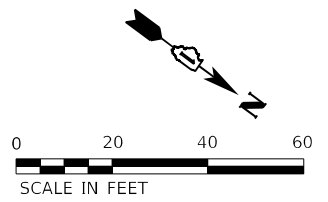
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL RTE 83 AND ENGLE DR
APS AND DETECTOR LOOP REPLACEMENT PLAN

SCALE: NONE SHEET 8 OF 11 SHEETS STA. TO STA.

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|-------------|--------|--------------|-----------|
| 347 | 2021-047-R5 | COOK | 65 | 51 |
| CONTRACT NO. 62N67 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

TS 6949



NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE, THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

8 EACH PEDESTRIAN PUSH-BUTTON

ALL EXISTING PEDESTRIAN PUSH-BUTTON SHALL BE REMOVED AND PAID FOR UNDER THE PAY ITEM "REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT."

CONTRACTOR SHALL PERFORM SIGNAL WORK IN SUCH A WAY AS TO MINIMIZE THE TIME THE EXISTING PEDESTRIAN EQUIPMENT IS INOPERATIONAL

CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE PEDESTRIAN EQUIPMENT BEFORE INSTALLATION WITH THE TRAFFIC SIGNAL AREA ENGINEER

DIMENSIONS SHOWN ARE FROM CENTER OF POST TO BACK OF CURB AND ARE APPROXIMATE AND PLACEMENT OF THE 5' POST SHALL BE VERIFIED WITH THE ENGINEER PRIOR TO THE START OF WORK

APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK

STATIONING SHOWN ON TRAFFIC SIGNAL PLAN ARE FROM RECORD DRAWINGS AND WILL NOT MATCH OTHER PLANS

CONTRACTOR SHALL FIELD VERIFY ALL EXISTING TRAFFIC SIGNAL EQUIPMENT PRIOR TO ORDERING MATERIALS AND STARTING ANY WORK

MODEL: Default; FILE NAME: G:\Engineering\1\live\projects\1003_IDOT_DUB_HBRWID_14_-_Vpr_APS_CADD\CADD_Sheet\Civil\62N67\02\62N67-ahb-rs-7 (11-23).dgn



| | | |
|-----------------------------|------------------|---------------------|
| USER NAME = jldavis | DESIGNED - PV | REVISED - PV |
| | DRAWN - PV | REVISED - PV |
| PLOT SCALE = 40,0000 */ in. | CHECKED - JJD | REVISED - JJD |
| PLOT DATE = 10/7/2022 | DATE - 8/14/2022 | REVISED - 10/7/2022 |

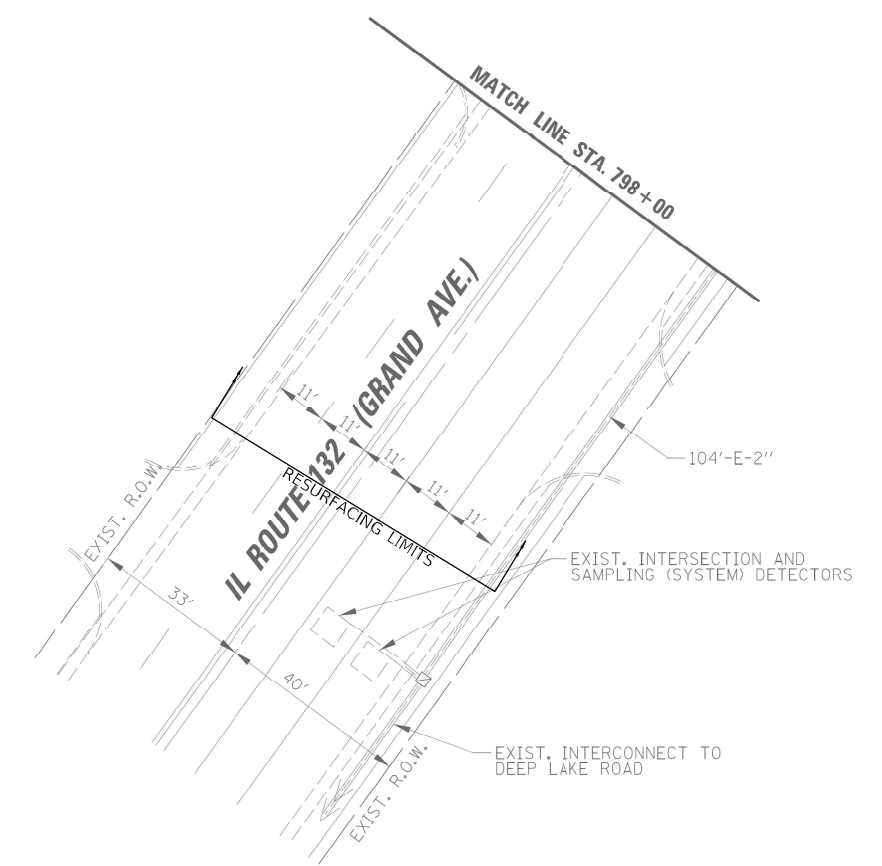
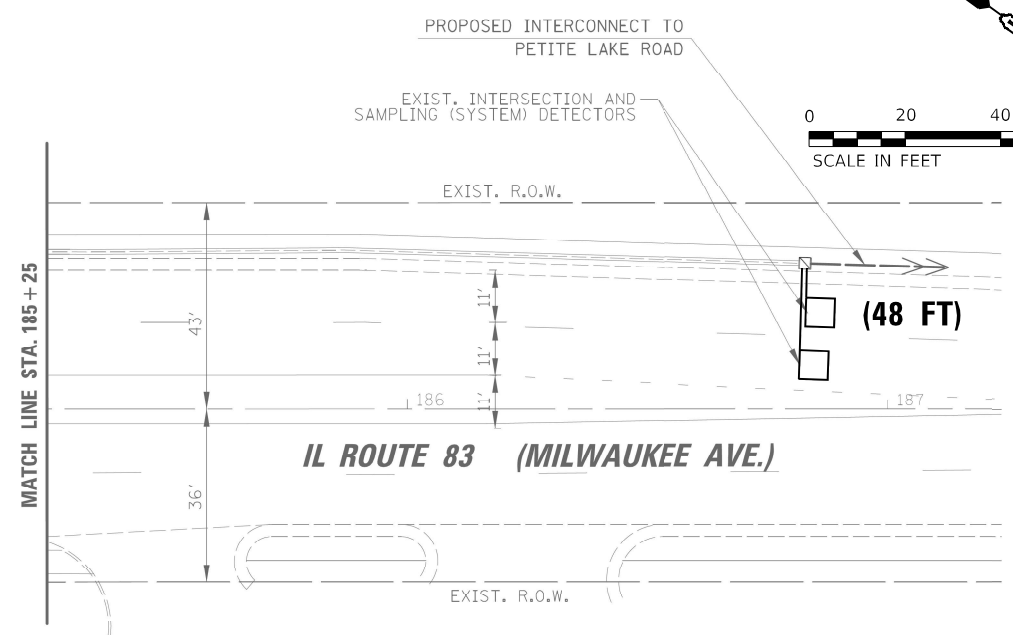
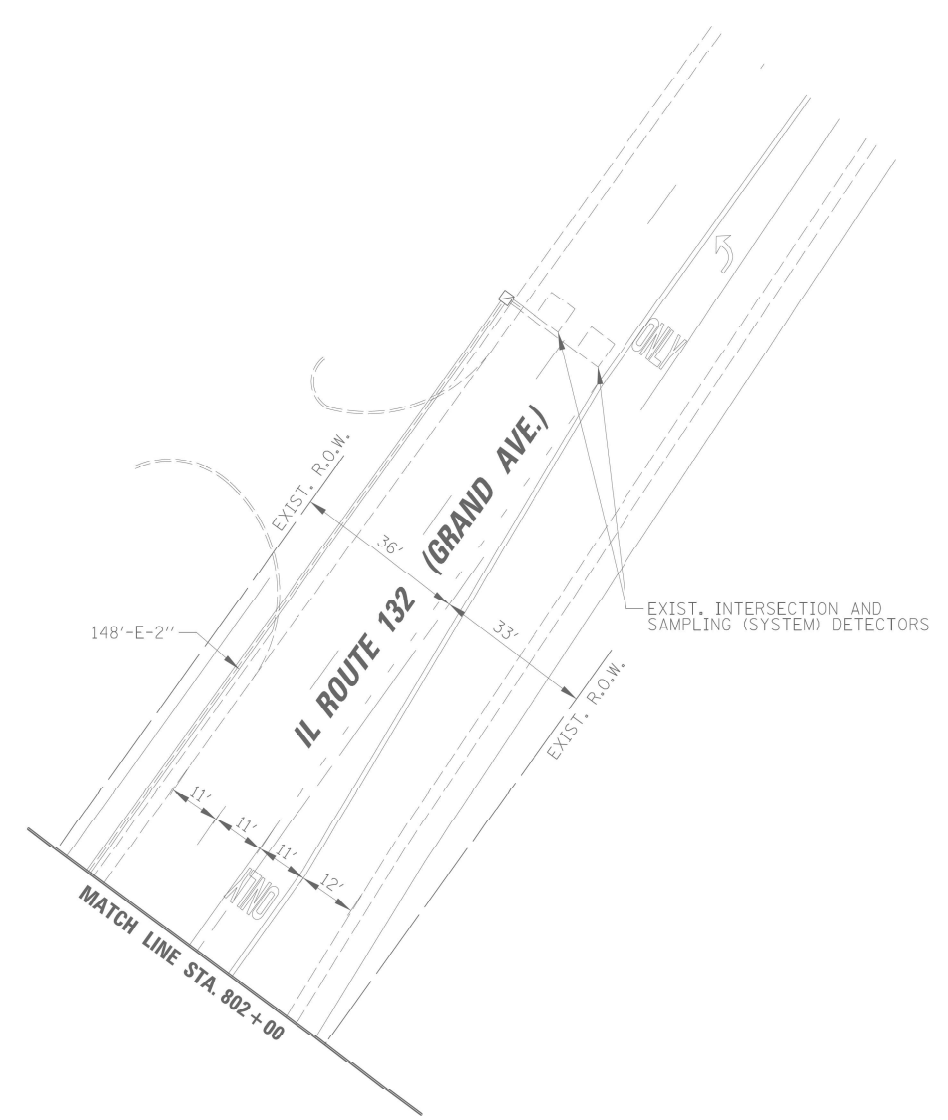
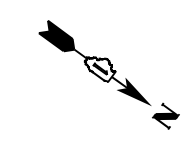
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL RTE 83 AND IL RTE 132
APS AND DETECTOR LOOP REPLACEMENT PLAN**

SCALE: 1" = 20' SHEET 9 OF 11 SHEETS STA. TO STA.

| | | | | | |
|--------------------|--|---------------------|-------------|---------------------------|----|
| F.A.P. RTE. 347 | | SECTION 2021-047-R5 | COUNTY COOK | TOTAL SHEETS | |
| | | | | 65 | 52 |
| CONTRACT NO. 62N67 | | | | ILLINOIS FED. AID PROJECT | |

TS 6945



NOTES:

STATIONING SHOWN ON TRAFFIC SIGNAL PLAN ARE FROM RECORD DRAWINGS AND WILL NOT MATCH OTHER PLANS

CONTRACTOR SHALL FIELD VERIFY ALL EXISTING TRAFFIC SIGNAL EQUIPMENT PRIOR TO ORDERING MATERIALS AND STARTING ANY WORK

MODEL: Default
 FILE NAME: G:\Engineering\LiveProjects\21003_IDOT_DUB_HBRWID_14_Vor_APS\CADD\CADD_SheetSet\62N67\0162N67.dbr-14-18 IL-83 at IL-132.dgn



| | | |
|-----------------------------|------------------|---------------------|
| USER NAME = jdavis | DESIGNED - PV | REVISED - PV |
| DRAWN - PV | REVISED - PV | |
| PLOT SCALE = 40,0000 */ in. | CHECKED - JJD | REVISED - JJD |
| PLOT DATE = 10/4/2022 | DATE - 8/14/2022 | REVISED - 10/7/2022 |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL RTE 83 AND IL RTE 132
APS AND DETECTOR LOOP REPLACEMENT PLAN**

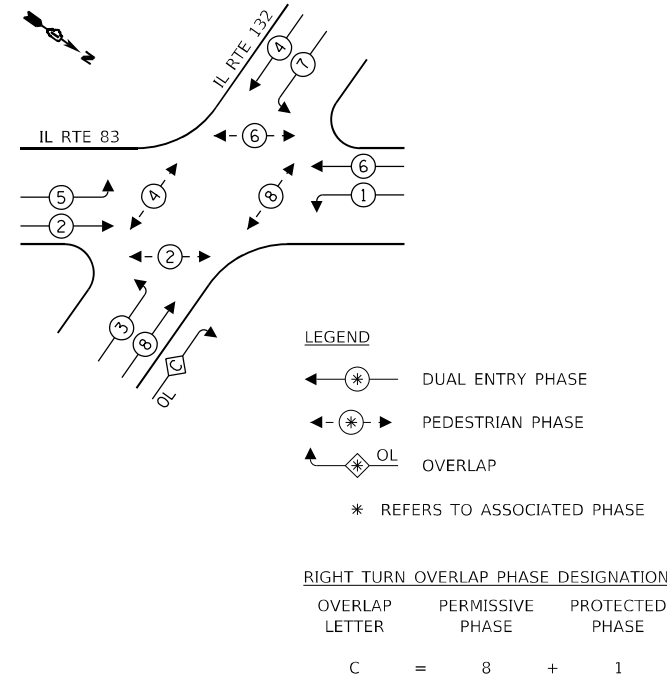
SCALE: 1" = 20' SHEET 10 OF 11 SHEETS STA. TO STA.

| | |
|---------------------------|---------------------|
| TS 6945 | |
| F.A.P. RTE. 347 | SECTION 2021-047-R5 |
| COUNTY COOK | TOTAL SHEETS 65 |
| | SHEET NO. 53 |
| CONTRACT NO. 62N67 | |
| ILLINOIS FED. AID PROJECT | |

SCHEDULE OF QUANTITIES

| ITEM DESCRIPTION | UNIT | TOTAL QTY |
|--|------|-----------|
| UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA | FOOT | 132 |
| MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION | EACH | 1 |
| ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C | FOOT | 1168 |
| ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C | FOOT | 132 |
| DETECTOR LOOP, TYPE 1 | FOOT | 480 |
| DRILL EXISTING HANDHOLE | EACH | 6 |
| REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT | EACH | 1 |
| ACCESSIBLE PEDESTRIAN SIGNALS | EACH | 8 |
| PEDESTRIAN SIGNAL POST, 5 FT. | EACH | 6 |
| CONCRETE FOUNDATION, TYPE A, 12 INCH DIA. | FOOT | 24 |

EXISTING CONTROLLER SEQUENCE



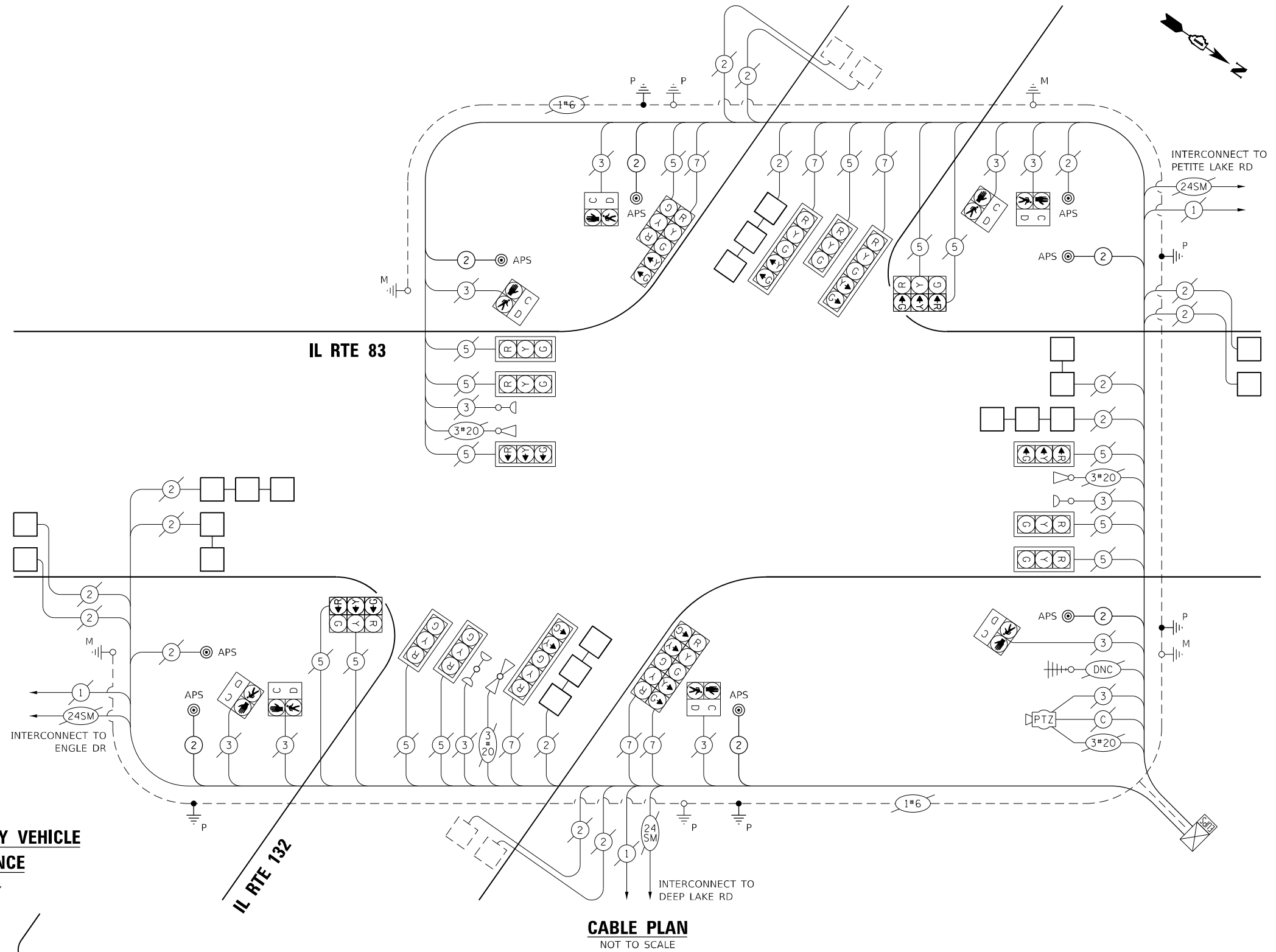
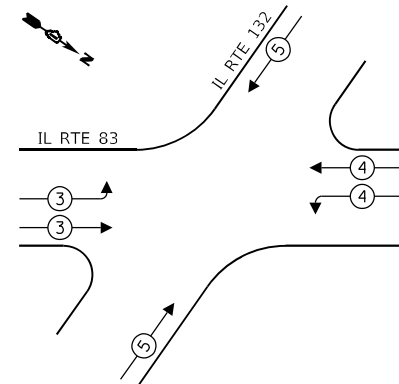
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

| TYPE | NO. OF LAMPS | LED WATTAGE | % OPERATION | TOTAL WATTAGE |
|----------------|--------------|-------------|-------------|---------------|
| SIGNAL (RED) | 16 | 11 | 50 | 88 |
| (YELLOW) | 16 | 20 | 5 | 16 |
| (GREEN) | 16 | 12 | 45 | 87 |
| ARROW (RED) | 4 | 10 | 90 | 36 |
| (YELLOW/GREEN) | 10 | 10 | 10 | 10 |
| PED. SIGNAL | 8 | 20 | 100 | 160 |
| VIDEO SYSTEM | 1 | 100 | 100 | 100 |
| CONTROLLER | 1 | 100 | 100 | 100 |
| UPS | 1 | 25 | 100 | 25 |
| TOTAL = | | | | 622 |

ENERGY COSTS TO:
ILLINOIS DEPARTMENT OF TRANSPORTATION
201 W. CENTER CT
SCHAUMBURG, IL 60196

ENERGY SUPPLY: CONTACT: COMED REPRESENTATIVE
PHONE: (866) 639-3532
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



MODEL: D:\p\h\... FILE NAME: G:\Engineering\116\Projects\11603_IDOT_DUB_HBRVVO_14_Vor_APS\CADD\CADD_Sheets\Civil\62167-1-18-23-24-25-26-27-28-29-30-31-32-33-34-35-36-37-38-39-40-41-42-43-44-45-46-47-48-49-50-51-52-53-54-55-56-57-58-59-60-61-62-63-64-65-66-67-68-69-70-71-72-73-74-75-76-77-78-79-80-81-82-83-84-85-86-87-88-89-90-91-92-93-94-95-96-97-98-99-100-101-102-103-104-105-106-107-108-109-110-111-112-113-114-115-116-117-118-119-120-121-122-123-124-125-126-127-128-129-130-131-132-133-134-135-136-137-138-139-140-141-142-143-144-145-146-147-148-149-150-151-152-153-154-155-156-157-158-159-160-161-162-163-164-165-166-167-168-169-170-171-172-173-174-175-176-177-178-179-180-181-182-183-184-185-186-187-188-189-190-191-192-193-194-195-196-197-198-199-200-201-202-203-204-205-206-207-208-209-210-211-212-213-214-215-216-217-218-219-220-221-222-223-224-225-226-227-228-229-230-231-232-233-234-235-236-237-238-239-240-241-242-243-244-245-246-247-248-249-250-251-252-253-254-255-256-257-258-259-260-261-262-263-264-265-266-267-268-269-270-271-272-273-274-275-276-277-278-279-280-281-282-283-284-285-286-287-288-289-290-291-292-293-294-295-296-297-298-299-300-301-302-303-304-305-306-307-308-309-310-311-312-313-314-315-316-317-318-319-320-321-322-323-324-325-326-327-328-329-330-331-332-333-334-335-336-337-338-339-340-341-342-343-344-345-346-347-348-349-350-351-352-353-354-355-356-357-358-359-360-361-362-363-364-365-366-367-368-369-370-371-372-373-374-375-376-377-378-379-380-381-382-383-384-385-386-387-388-389-390-391-392-393-394-395-396-397-398-399-400-401-402-403-404-405-406-407-408-409-410-411-412-413-414-415-416-417-418-419-420-421-422-423-424-425-426-427-428-429-430-431-432-433-434-435-436-437-438-439-440-441-442-443-444-445-446-447-448-449-450-451-452-453-454-455-456-457-458-459-460-461-462-463-464-465-466-467-468-469-470-471-472-473-474-475-476-477-478-479-480-481-482-483-484-485-486-487-488-489-490-491-492-493-494-495-496-497-498-499-500-501-502-503-504-505-506-507-508-509-510-511-512-513-514-515-516-517-518-519-520-521-522-523-524-525-526-527-528-529-530-531-532-533-534-535-536-537-538-539-540-541-542-543-544-545-546-547-548-549-550-551-552-553-554-555-556-557-558-559-560-561-562-563-564-565-566-567-568-569-570-571-572-573-574-575-576-577-578-579-580-581-582-583-584-585-586-587-588-589-590-591-592-593-594-595-596-597-598-599-600-601-602-603-604-605-606-607-608-609-610-611-612-613-614-615-616-617-618-619-620-621-622-623-624-625-626-627-628-629-630-631-632-633-634-635-636-637-638-639-640-641-642-643-644-645-646-647-648-649-650-651-652-653-654-655-656-657-658-659-660-661-662-663-664-665-666-667-668-669-670-671-672-673-674-675-676-677-678-679-680-681-682-683-684-685-686-687-688-689-690-691-692-693-694-695-696-697-698-699-700-701-702-703-704-705-706-707-708-709-710-711-712-713-714-715-716-717-718-719-720-721-722-723-724-725-726-727-728-729-730-731-732-733-734-735-736-737-738-739-740-741-742-743-744-745-746-747-748-749-750-751-752-753-754-755-756-757-758-759-760-761-762-763-764-765-766-767-768-769-770-771-772-773-774-775-776-777-778-779-780-781-782-783-784-785-786-787-788-789-790-791-792-793-794-795-796-797-798-799-800-801-802-803-804-805-806-807-808-809-810-811-812-813-814-815-816-817-818-819-820-821-822-823-824-825-826-827-828-829-830-831-832-833-834-835-836-837-838-839-840-841-842-843-844-845-846-847-848-849-850-851-852-853-854-855-856-857-858-859-860-861-862-863-864-865-866-867-868-869-870-871-872-873-874-875-876-877-878-879-880-881-882-883-884-885-886-887-888-889-890-891-892-893-894-895-896-897-898-899-900-901-902-903-904-905-906-907-908-909-910-911-912-913-914-915-916-917-918-919-920-921-922-923-924-925-926-927-928-929-930-931-932-933-934-935-936-937-938-939-940-941-942-943-944-945-946-947-948-949-950-951-952-953-954-955-956-957-958-959-960-961-962-963-964-965-966-967-968-969-970-971-972-973-974-975-976-977-978-979-980-981-982-983-984-985-986-987-988-989-990-991-992-993-994-995-996-997-998-999-1000



| | | |
|------------------------------|------------------|---------------------|
| USER NAME = j.davis | DESIGNED - DW | REVISED - DW |
| PLOT SCALE = 100,0000' / in. | DRAWN - DW | REVISED - DW |
| PLOT DATE = 10/7/2022 | CHECKED - JJD | REVISED - JJD |
| | DATE - 8/14/2022 | REVISED - 10/7/2022 |

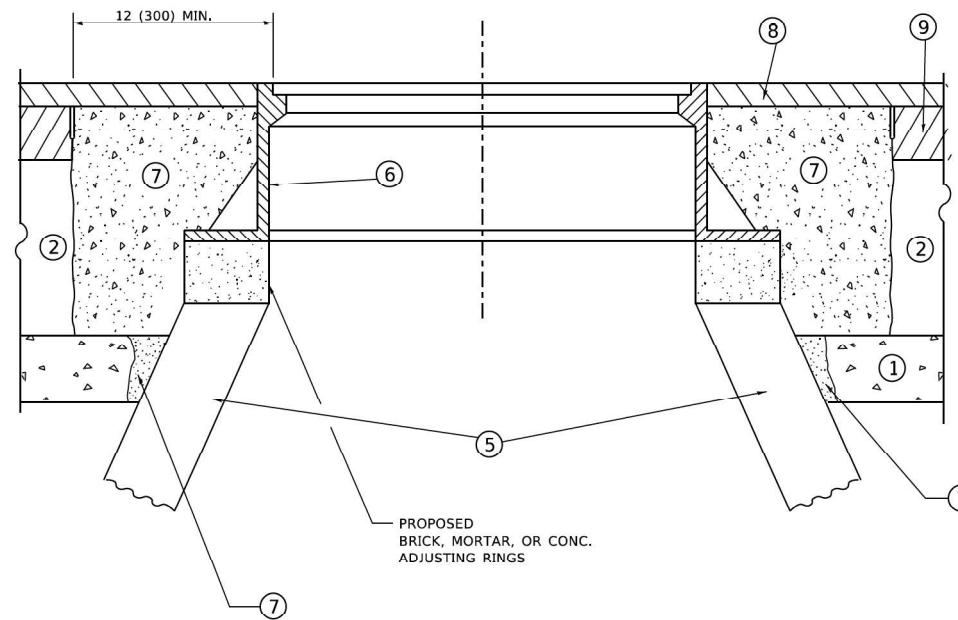
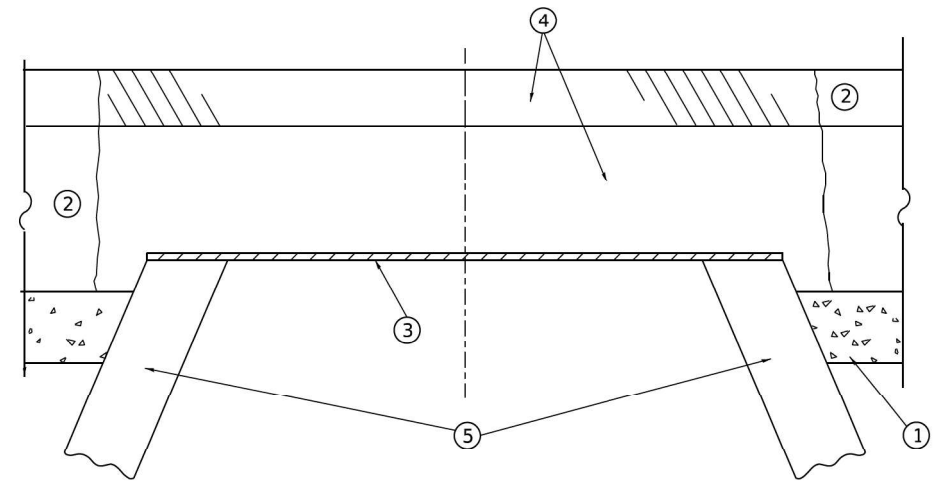
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

IL RTE 83 AND IL RTE 132 APS AND DETECTOR LOOP REPLACEMENT PLAN

SCALE: NONE SHEET 11 OF 11 SHEETS STA. TO STA.

| | | | | |
|---------------------------|---------------------|-------------|-----------------|--------------|
| F.A.P. RTE. 347 | SECTION 2021-047-R5 | COUNTY COOK | TOTAL SHEETS 65 | SHEET NO. 54 |
| CONTRACT NO. 62N67 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

TS 6945



**DETAILS FOR FRAMES AND LIDS ADJUSTMENT
WITH MILLING**

CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- D) BACKFILL WITH CRUSHED STONE AND HMA SURFACE MIX APPROVED BY THE ENGINEER. (MIN. 1 1/2 (40) HMA TO REMAIN AFTER MILLING).

STAGE 2 (AFTER PAVEMENT MILLING)

- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS*PP-1 CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS EXCEPT THAT "THE CONTRACTOR SHALL ADJUST THE STRUCTURES TO THE FINISHED PAVEMENT ELEVATION NO MORE THAN 5 CALENDAR DAYS PRIOR TO PLACEMENT OF THE FINAL LIFT OF SURFACE UNLESS APPROVED BY THE ENGINEER."

LEGEND

- | | |
|--|-------------------------------|
| ① SUB-BASE GRANULAR MATERIAL | ⑥ FRAME AND LID (SEE NOTES) |
| ② EXISTING PAVEMENT | ⑦ CLASS*PP-1 CONCRETE |
| ③ 36 (900) DIAMETER METAL PLATE | ⑧ PROPOSED HMA SURFACE COURSE |
| ④ PROPOSED CRUSHED STONE AND HMA SURFACE MIX | ⑨ PROPOSED HMA BINDER COURSE |
| ⑤ EXISTING STRUCTURE | |

LOCATION OF STRUCTURES

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

BASIS OF PAYMENT

1. REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."
2. THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.
3. NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.
4. WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

NOTES

1. EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.
2. IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.
3. CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.
4. THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

MODEL: D:\efk\... FILE NAME: 20210316.11.DDOT.D1.PFB.199-015.WO.11.11.83.Revised.dwg

| | | |
|------------------------------|------------------|-----------|
| USER NAME = skierpiec | DESIGNED - AN | REVISED - |
| | DRAWN - AN | REVISED - |
| PLOT SCALE = 100,0000' / in. | CHECKED - JH | REVISED - |
| PLOT DATE = 8/18/2022 | DATE - 8/18/2022 | REVISED - |

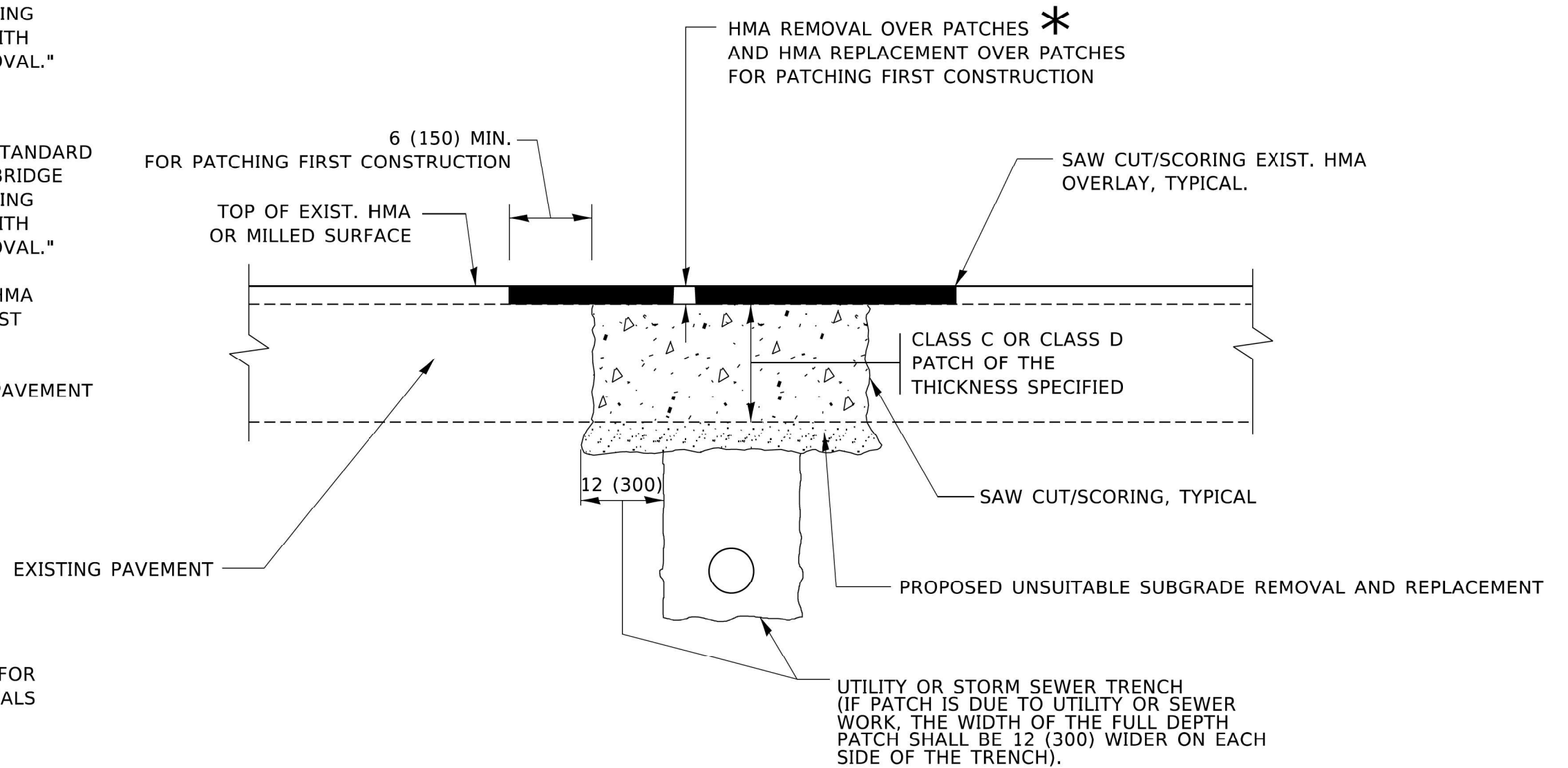
| | | | | |
|--------------------|-------------|--------|---------------------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 866 | 2021-044-R5 | LAKE | 65 | 55 |
| CONTRACT NO. 62N67 | | | ILLINOIS FED. AID PROJECT | |

METHOD OF MEASUREMENT

REFER TO SECTION 442 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL."

BASIS OF PAYMENT

1. REFER TO SECTION 442 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL."
2. SAW CUT/SCORING OF EXISTING HMA OVERLAY IS INCLUDED IN THE COST OF PAVEMENT PATCHING.
3. SAW CUT/SCORING OF EXISTING PAVEMENT IS INCLUDED IN THE COST OF PAVEMENT PATCHING.



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

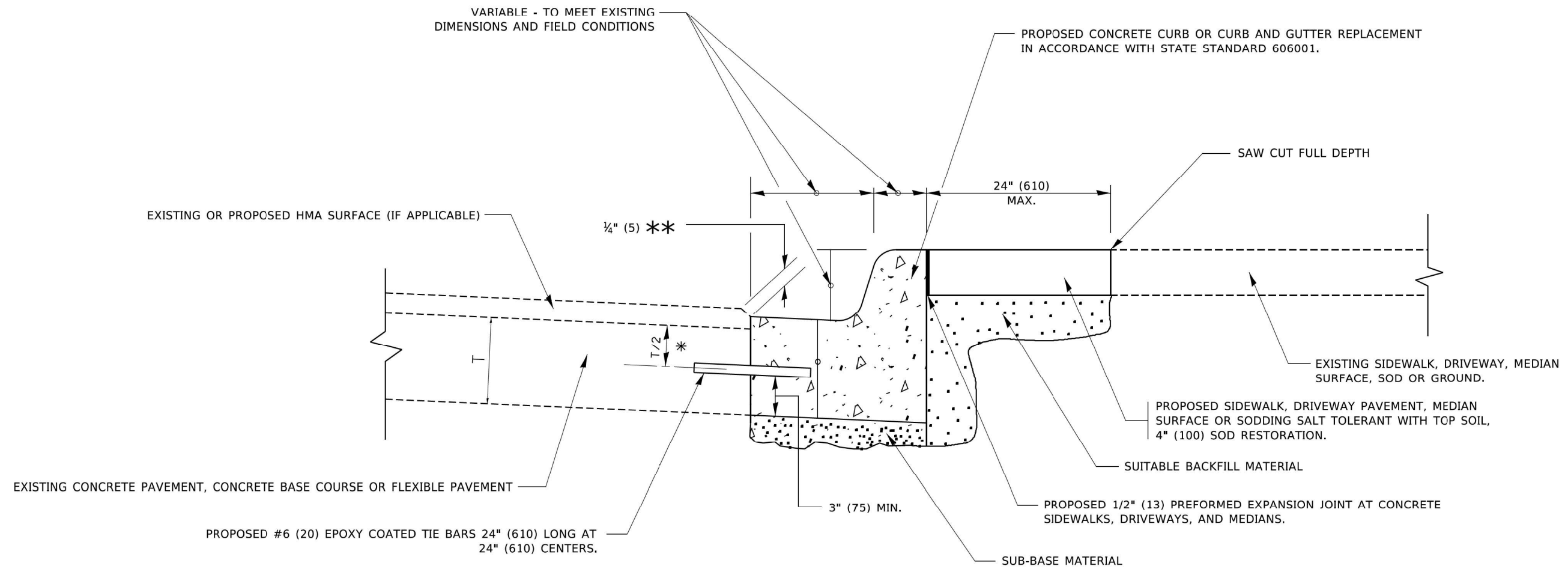
1. MILL HMA FIRST IF THERE IS AT LEAST 4½ INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

MODEL: Default; FILE NAME: 20210516.11.DDOT.D1.PFB.199-015.WO.11.IL.83.RenurfacingDCMDesignPrelimR02Sheet02N67.ctb;D:\Detail.dwg

| | | |
|-------------------------------|------------------|-----------|
| USER NAME = sklerpiec | DESIGNED - AN | REVISED - |
| PLOT SCALE = 100,0000 ' / in. | DRAWN - AN | REVISED - |
| PLOT DATE = 8/18/2022 | CHECKED - JH | REVISED - |
| | DATE - 8/18/2022 | REVISED - |

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|-------------|--------|--------------|-----------|
| 866 | 2021-044-R5 | LAKE | 65 | 56 |
| CONTRACT NO. 62N67 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



- * 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.
- ** IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

MODEL: Default
 FILE NAME: 20210516.11.DDOT.D1.PFB.199-015.WO.11.IL.83.Recurfacing(DGN)Design(Prelim)Restreet(2)N67.ctb.D1Detail.dgn

EFK Moen
Civil Engineering Design

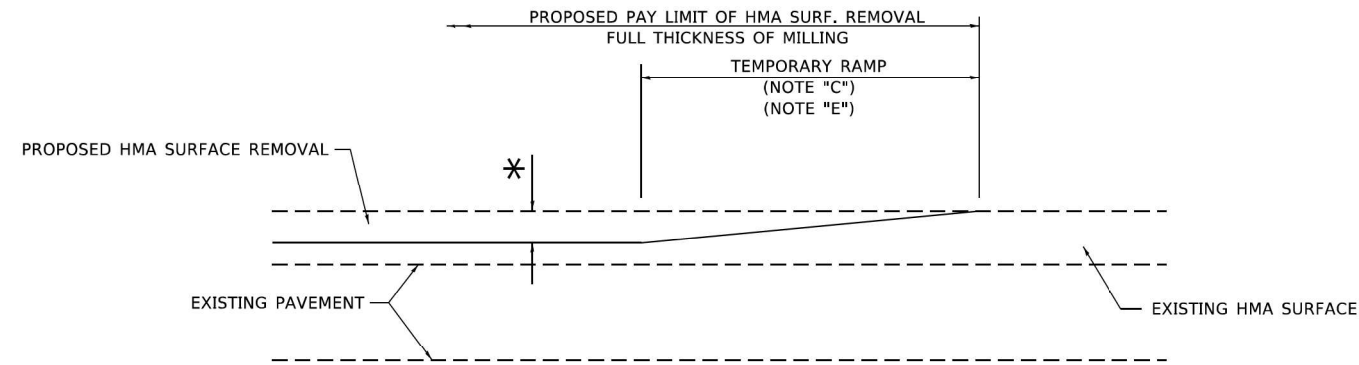
| | | |
|------------------------------|------------------|-----------|
| USER NAME = sklerpiec | DESIGNED - AN | REVISED - |
| | DRAWN - AN | REVISED - |
| PLOT SCALE = 100,0000' / in. | CHECKED - JH | REVISED - |
| PLOT DATE = 8/18/2022 | DATE - 8/18/2022 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BD-24: CURB OR CURB AND GUTTER
REMOVAL AND REPLACEMENT**

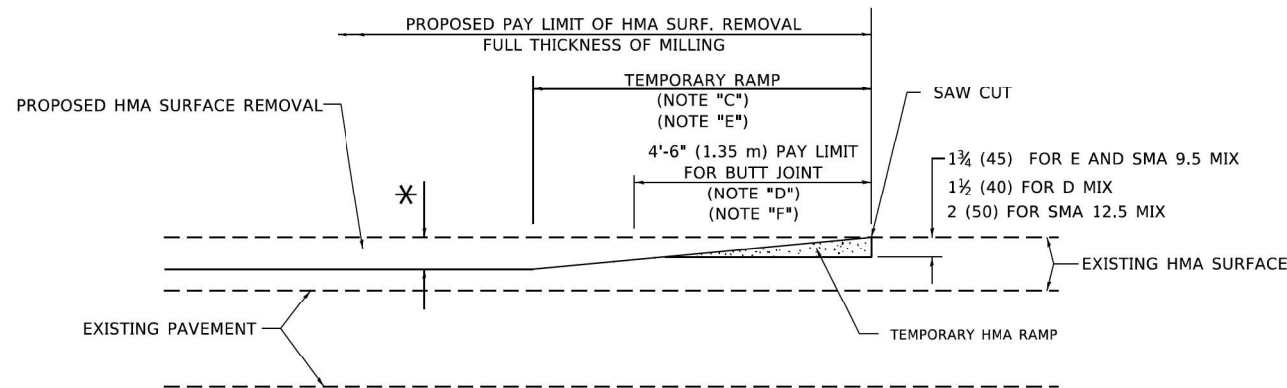
SCALE: N/A SHEET 3 OF 11 SHEETS STA. TO STA.

| | | | | |
|--------------------|---------------------|-------------|---------------------------|--------------|
| F.A.P. RTE. 866 | SECTION 2021-044-R5 | COUNTY LAKE | TOTAL SHEETS 65 | SHEET NO. 57 |
| CONTRACT NO. 62N67 | | | ILLINOIS FED. AID PROJECT | |



MILLED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

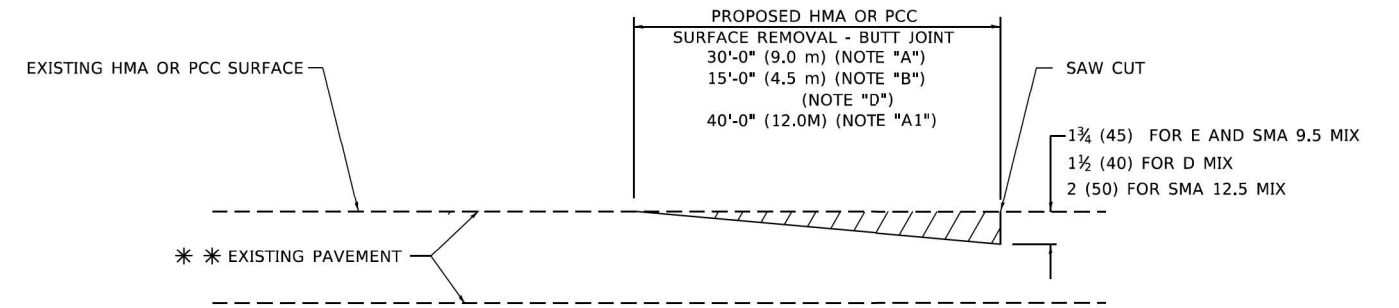
OPTION 1



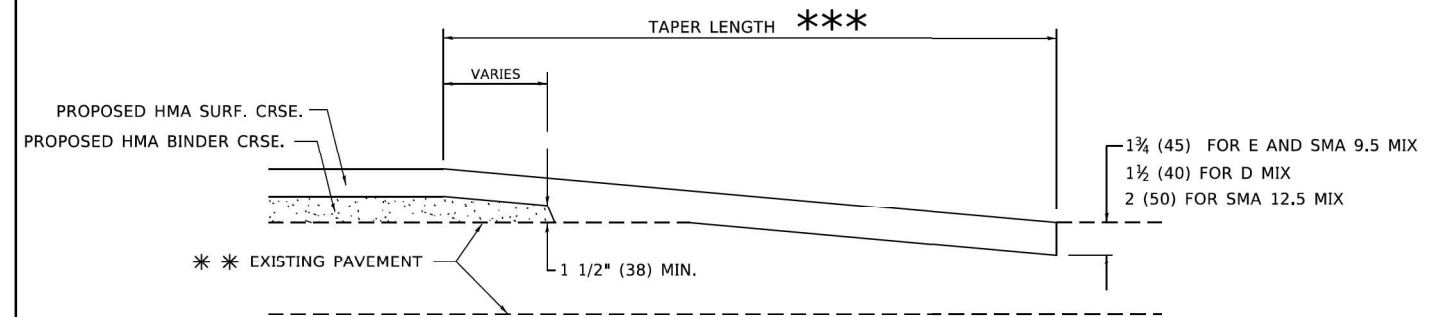
HMA CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2

TYPICAL TEMPORARY RAMP



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

*** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

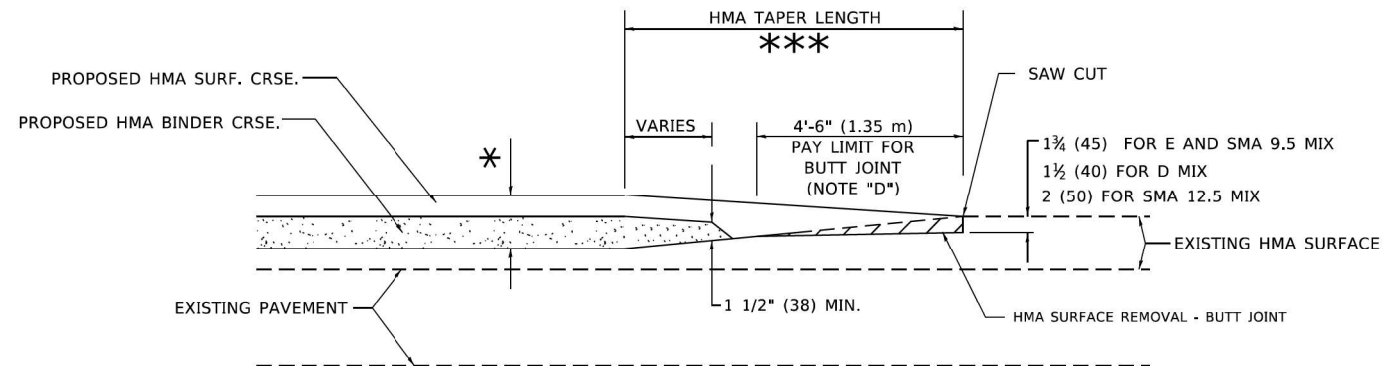
GENERAL NOTES

- A. MAINLINE ARTERIAL ROADWAYS AND MAJOR SIDE ROADS.
- A1. INTERSTATES
- B. MINOR SIDE ROADS.
- C. THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
- D. THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
- E. TAPER THE TEMP. RAMP AT A RATE OF 3' - 4" (1.02m) PER 1 INCH (25 mm) OF MILLING THICKNESS.
* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- F. SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
*** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT

- 1. THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL- BUTT JOINT".
- 2. THE TEMPORARY RAMP AND SAW CUT SHALL BE INCLUDED IN THE UNIT COST FOR HMA OR PCC SURFACE REMOVAL-BUTT JOINT.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.



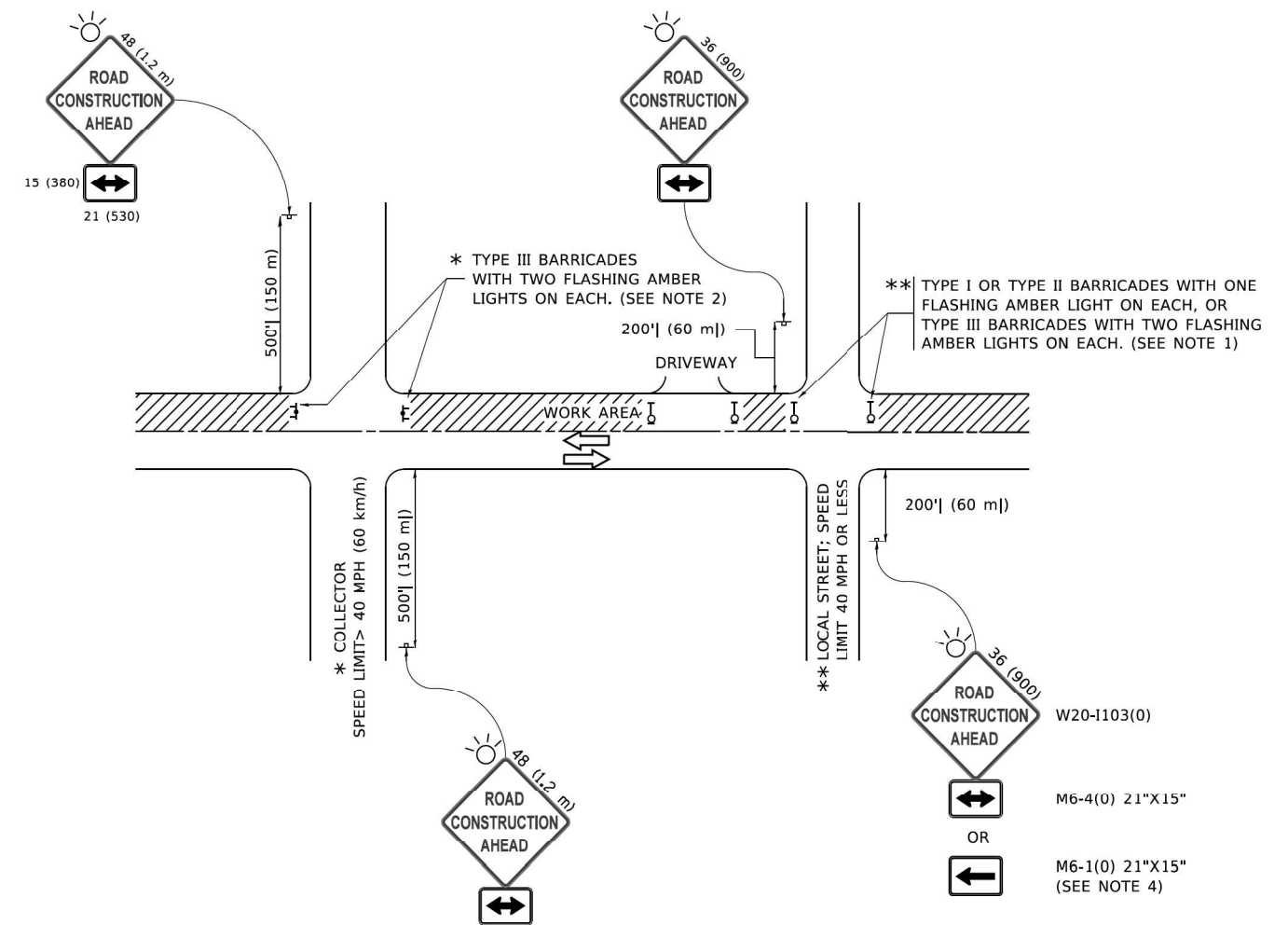
BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

MODEL: Default
FILE NAME: 20210516_11 DDOT D1.PFB_199-015_WO_11_IL_83_Resurfacing(DGN)Design\Prelim\Resurfacing\21067-act-D1Detail.dgn

| | | |
|------------------------------|------------------|-----------|
| USER NAME = skierpiec | DESIGNED - AN | REVISED - |
| PLOT SCALE = 100,0000' / in. | DRAWN - AN | REVISED - |
| PLOT DATE = 8/18/2022 | CHECKED - JH | REVISED - |
| | DATE - 8/18/2022 | REVISED - |

| | | | | |
|---------------------------|-------------|--------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 866 | 2021-044-R5 | LAKE | 65 | 58 |
| CONTRACT NO. 62N67 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



NOTES:

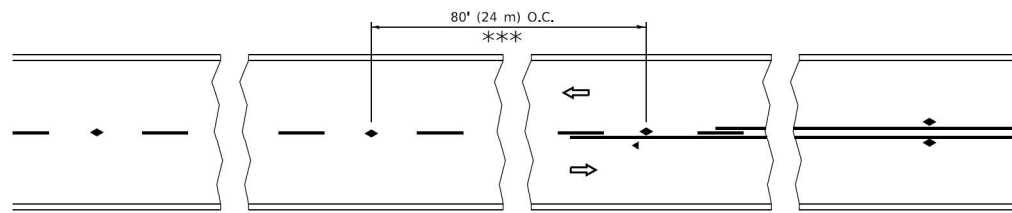
- SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
- SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
- CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
- SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
- ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
- THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

All dimensions are in inches (millimeters) unless otherwise shown.

MODEL: D:\efk\h... FILE NAME: 20210516_11.DDOT.D1.PFB.199-015.WO.11.IL.83.Recurfcdg\DCM\Design\Prelim\Plotsheet\21N67.ctb-D:\efk\c.dwg

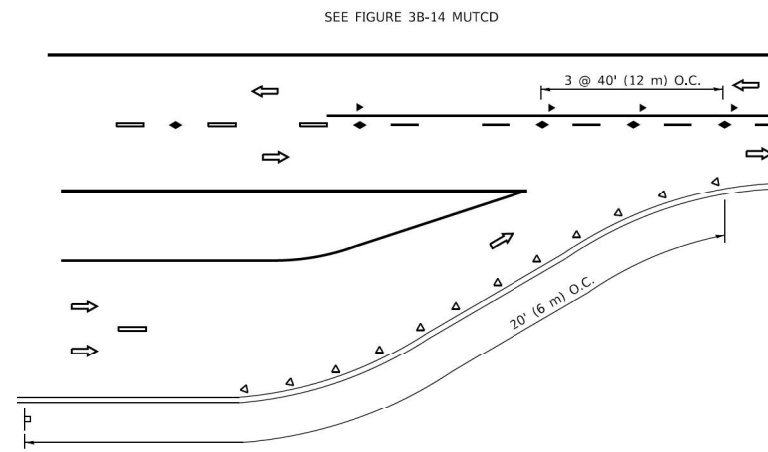
| | | |
|------------------------------|------------------|-----------|
| USER NAME = sklerpiec | DESIGNED - AN | REVISED - |
| | DRAWN - AN | REVISED - |
| PLOT SCALE = 100,0000' / in. | CHECKED - JH | REVISED - |
| PLOT DATE = 8/18/2022 | DATE - 8/18/2022 | REVISED - |

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|-------------|--------|--------------|-----------|
| 866 | 2021-044-R5 | LAKE | 65 | 59 |
| CONTRACT NO. 62N67 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

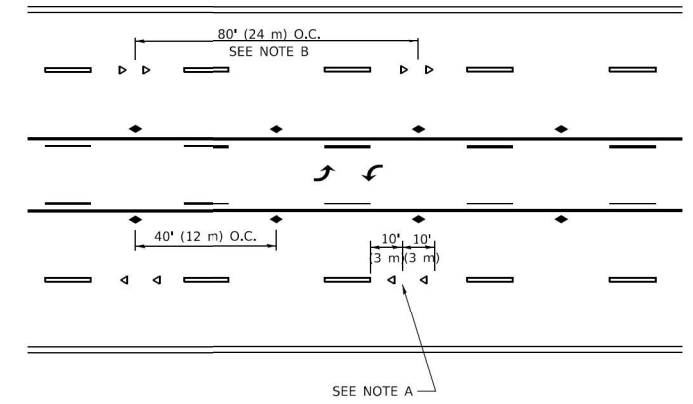


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

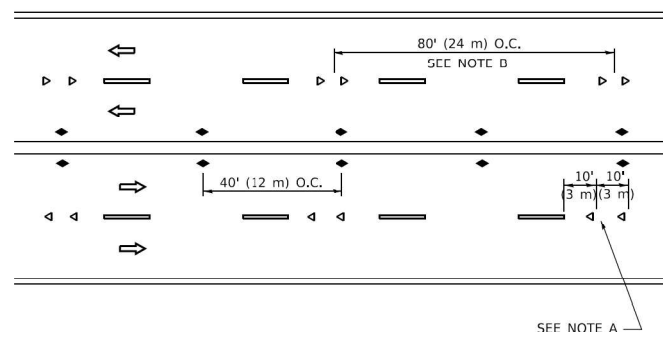
TWO-LANE/TWO-WAY



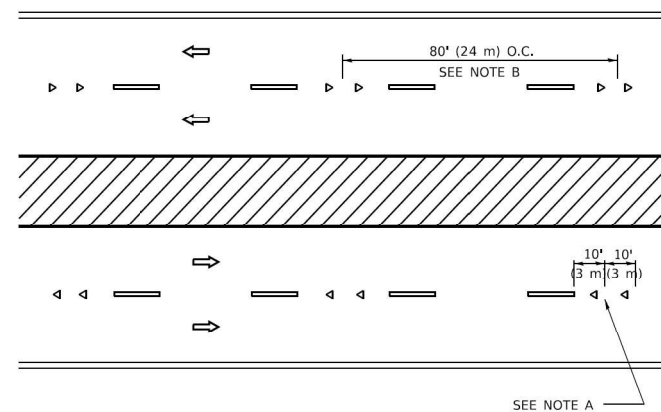
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.
4. MARKERS ARE TO BE USED ADJACENT TO BOTH SOLID WHITE LINES IN DUAL LEFT TURN LANES

SYMBOLS

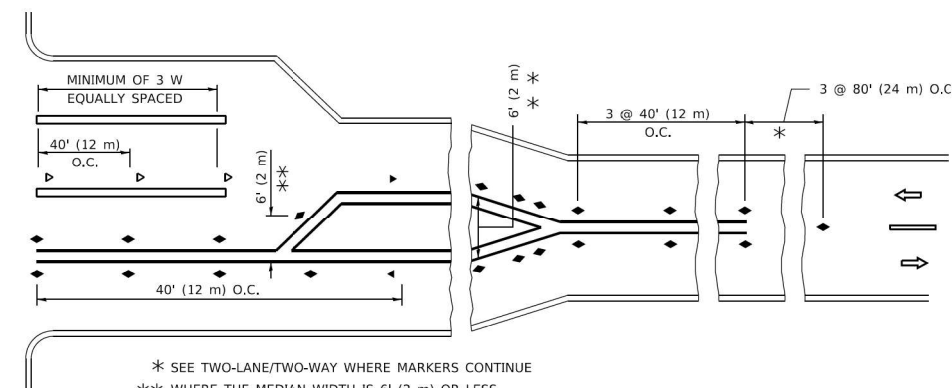
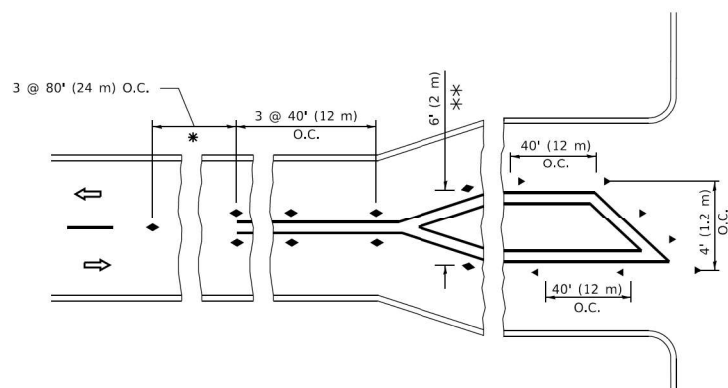
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE
 ** WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

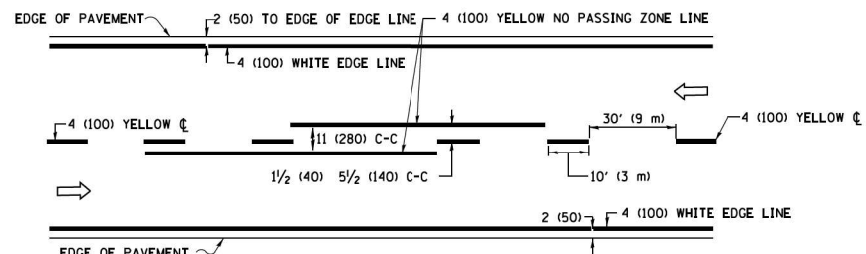
TURN LANES

All dimensions are in inches (millimeters) unless otherwise shown.

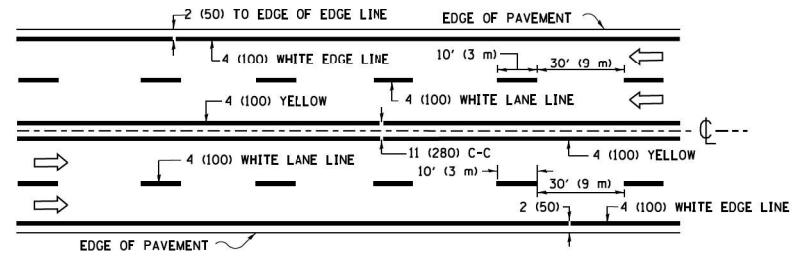
MODEL: Default
 FILE NAME: 20210516_11_DD0T_D1_PFB_199-015_WO_11_IL_83_Resurfacing(DGN)Design/Prinlim/PlsSheet/21N67-act-D1Detail.cgm

| | | |
|------------------------------|------------------|-----------|
| USER NAME = sklerpiec | DESIGNED - AN | REVISED - |
| PLOT SCALE = 100,0000' / in. | DRAWN - AN | REVISED - |
| PLOT DATE = 8/18/2022 | CHECKED - JH | REVISED - |
| | DATE - 8/18/2022 | REVISED - |

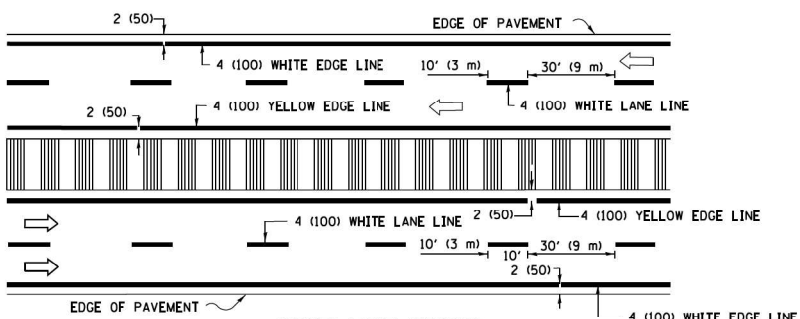
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|-------------|--------|--------------|-----------|
| 866 | 2021-044-R5 | LAKE | 65 | 60 |
| CONTRACT NO. 62N67 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



2-LANE ROADWAY

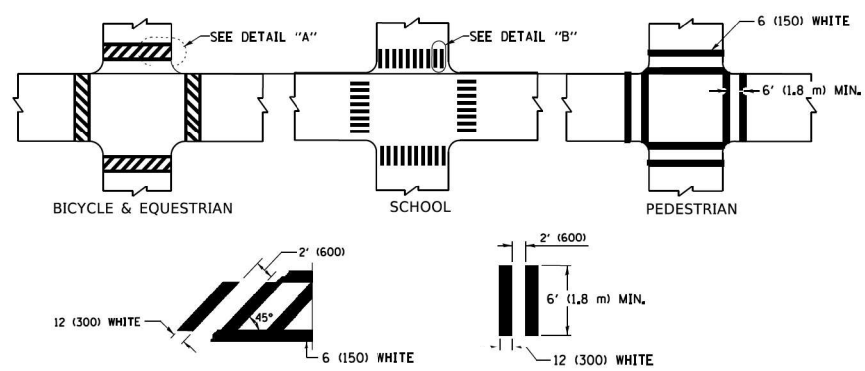


MULTI-LANE UNDIVIDED



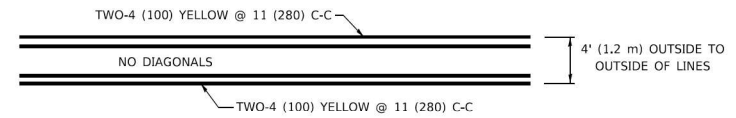
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

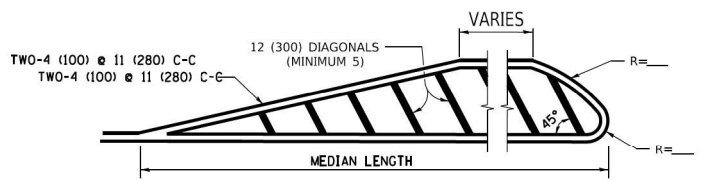


TYPICAL CROSSWALK MARKING

* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES

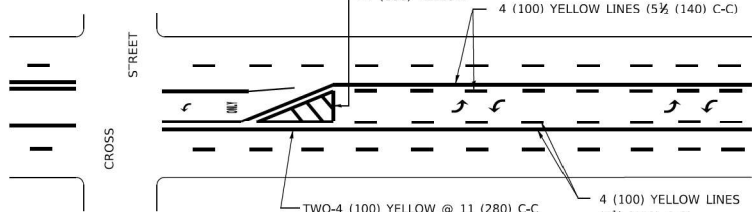


4' (1.2 m) WIDE MEDIANS ONLY



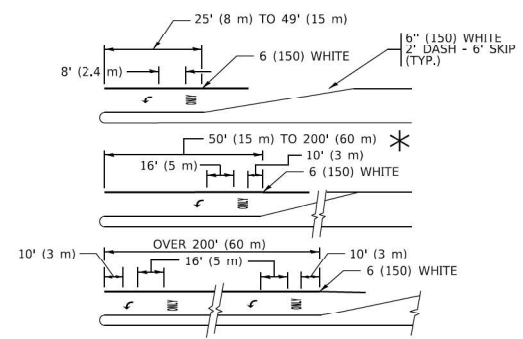
MEDIANS OVER 4' (1.2 m) WIDE

DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))



MEDIAN WITH TWO-WAY LEFT TURN LANE

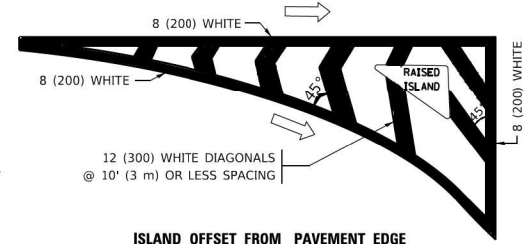
TYPICAL PAINTED MEDIAN MARKING



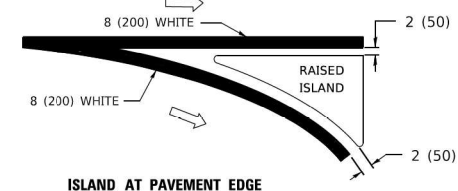
TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

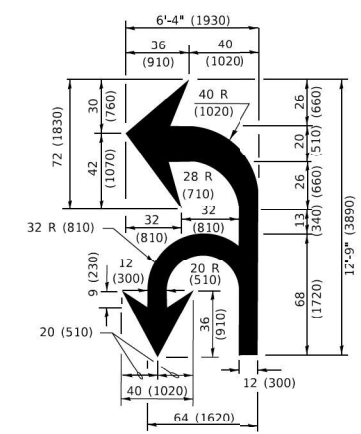


ISLAND OFFSET FROM PAVEMENT EDGE

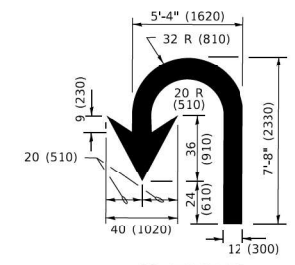


ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

LANE REDUCTION TRANSITION

* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

| D(FT) | SPEED LIMIT |
|-------|-------------|
| 345 | 30 |
| 425 | 35 |
| 500 | 40 |
| 580 | 45 |
| 665 | 50 |
| 750 | 55 |

| TYPE OF MARKING | WIDTH OF LINE | PATTERN | COLOR | SPACING / REMARKS |
|---|--|------------------------------|---|---|
| CENTERLINE ON 2 LANE PAVEMENT | 4 (100) | SKIP-DASH | YELLOW | 10' (3 m) LINE WITH 30' (9 m) SPACE |
| CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT | 2 @ 4 (100) | SOLID | YELLOW | 11 (280) C-C |
| NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS | 4 (100) 2 @ 4 (100) | SOLID SOLID | YELLOW YELLOW | 5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN |
| LANE LINES | 4 (100) 5 (125) ON FREEWAYS | SKIP-DASH SKIP-DASH | WHITE WHITE | 10' (3 m) LINE WITH 30' (9 m) SPACE |
| DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS) | SAME AS LINE BEING EXTENDED | SKIP-DASH | SAME AS LINE BEING EXTENDED | 2' (600) LINE WITH 6' (1.8 m) SPACE |
| EDGE LINES | 4 (100) | SOLID | YELLOW-LEFT WHITE-RIGHT | OUTLINE MEDIANS IN YELLOW |
| TURN LANE MARKINGS | 6 (150) LINE: FULL SIZE LETTERS & SYMBOLS (8' (2.4m)) | SOLID | WHITE | SEE TYPICAL TURN LANE MARKING DETAIL |
| TWO WAY LEFT TURN MARKING | 7 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW | SKIP-DASH AND SOLID IN PAIRS | YELLOW WHITE | 10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL |
| CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL) | 2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90° | SOLID SOLID SOLID | WHITE WHITE WHITE | NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS. |
| STOP LINES | 24 (600) | SOLID | WHITE | PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE. |
| PAINTED MEDIANS | 2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS | SOLID | YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC | 11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING. |
| GORE MARKING AND CHANNELIZING LINES | 8 (200) WITH 12 (300) DIAGONALS @ 45° | SOLID | WHITE | DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h)) |
| RAILROAD CROSSING | 24 (600) TRANSVERSE LINES: "RR" 15' 6" (1.8 m) LETTERS; 16 (400) LINE FOR "X" | SOLID | WHITE | SEE STATE STANDARD 780001 AREA OF: *R*=3.6 SQ. FT. (0.33 m ²) EACH *X*=54.0 SQ. FT. (5.0 m ²) |
| SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS > 8') | 12 (300) @ 45° | SOLID | WHITE - RIGHT YELLOW - LEFT | 50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h)) |
| U TURN ARROW | SEE DETAIL | SOLID | WHITE | 16.3 SF |
| 2 ARROW COMBINATION LEFT AND U TURN | SEE DETAIL | SOLID | WHITE | 30.4 SF |

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

All dimensions are in inches (millimeters) unless otherwise shown.

MODEL Path: \\...
FILE NAME: 2022.05.11.DDOT.D1.PFB.199-015.WO.11.11.23.Revised.dwg
USER: sklerpiec



| | | |
|-----------------------------|------------------|-----------|
| USER NAME = sklerpiec | DESIGNED - AN | REVISED - |
| PLOT SCALE = 100,000' / in. | DRAWN - AN | REVISED - |
| PLOT DATE = 8/18/2022 | CHECKED - JH | REVISED - |
| | DATE - 8/18/2022 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TC-13: DISTRICT ONE TYPICAL PAVEMENT MARKINGS

| | | | | | | | |
|------------|----------------------|--------------|-----------------|---------------------|-------------|---------------------------|--------------|
| SCALE: N/A | SHEET 7 OF 11 SHEETS | STA. TO STA. | F.A.P. RTE. 866 | SECTION 2021-044-R5 | COUNTY LAKE | TOTAL SHEETS 65 | SHEET NO. 61 |
| | | | | | | CONTRACT NO. 62N67 | |
| | | | | | | ILLINOIS FED. AID PROJECT | |

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

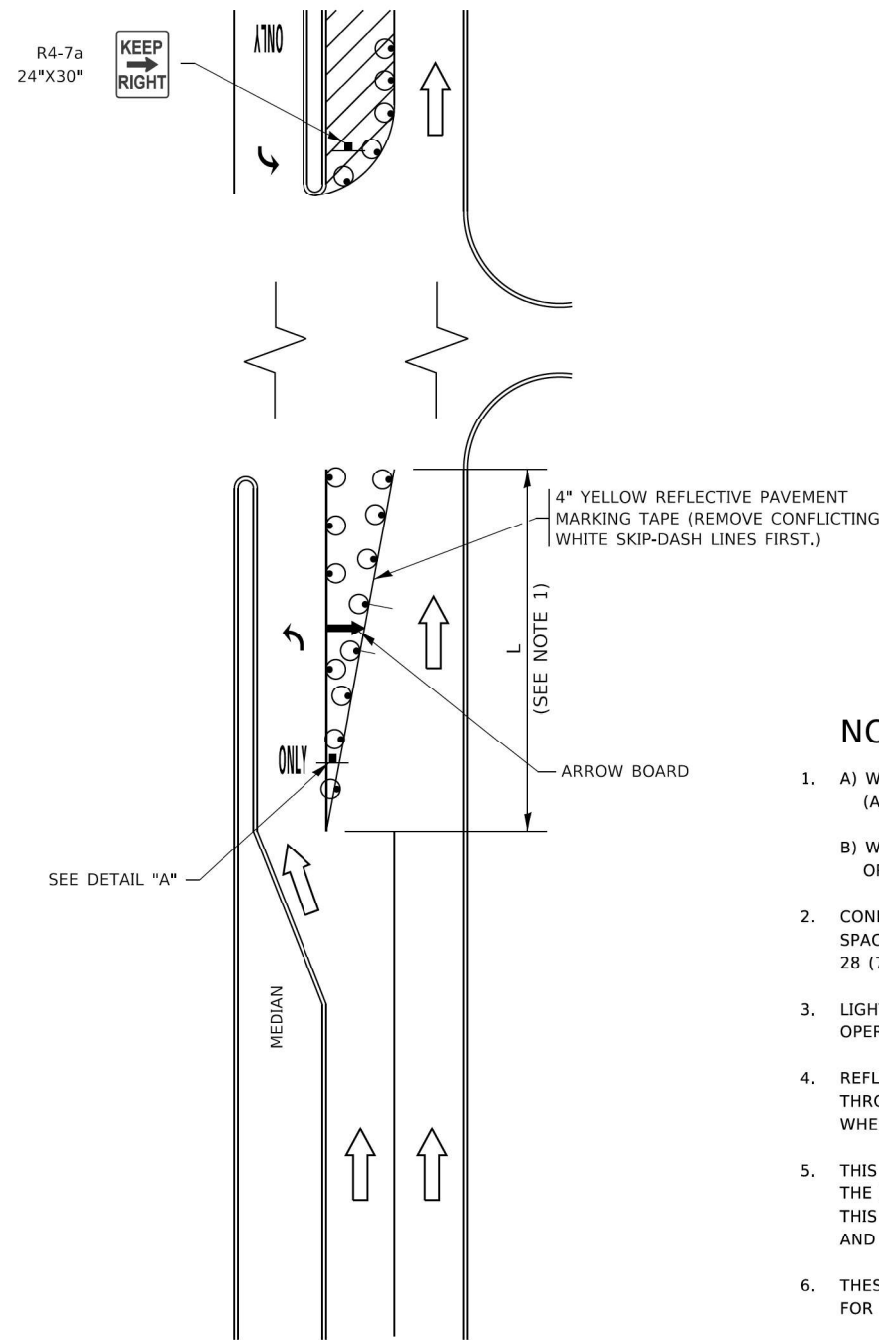


FIGURE 1

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

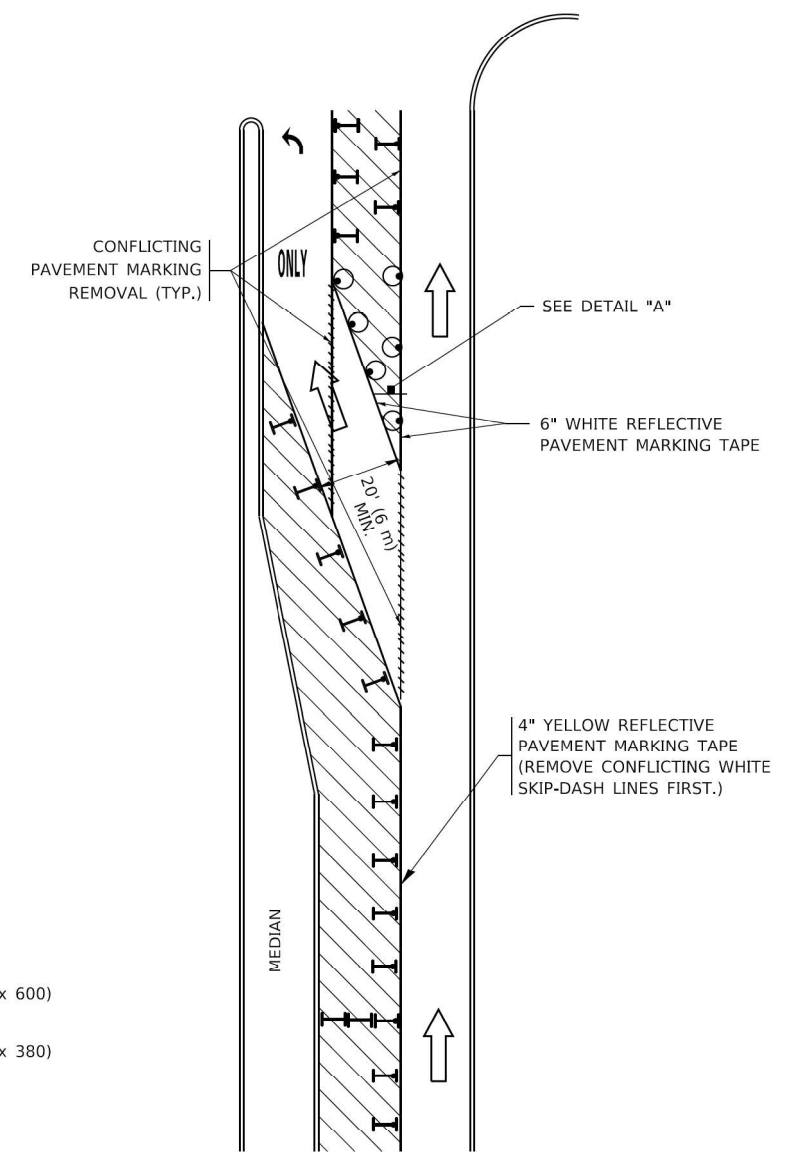


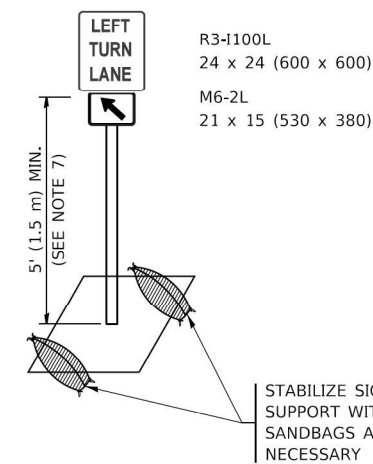
FIGURE 2

LEGEND

- WORK AREA
- LANE OPEN TO TRAFFIC
- ARROW BOARD
- TYPE I OR II BARRICADE OR DRUM WITH STEADY BURN LIGHT
- DRUM WITH STEADY BURN LIGHT
- SIGN ASSEMBLY
- TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

NOTES:

1. A) WHEN "L" IS ≤ THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.
B) WHEN "L" IS > THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-1100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH REQUIREMENTS.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.



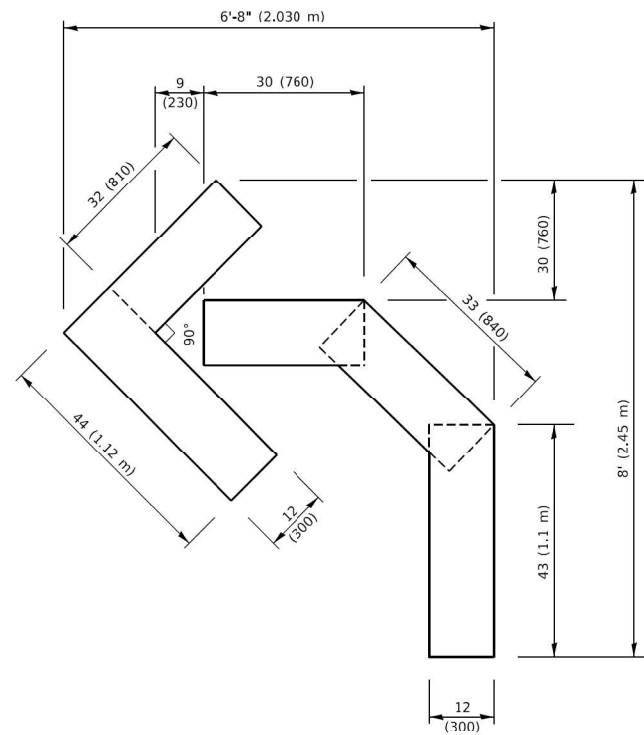
DETAIL A

All dimensions are in inches (millimeters) unless otherwise shown.

MODEL: D:\efk\... FILE NAME: 20210516_11.DDOT.D1.PFB.199-015.WO.11.IL.83.Recurfcdg\DCM\Design\Prelim\PreSheet\62N67-ct-D1Detail.cgm

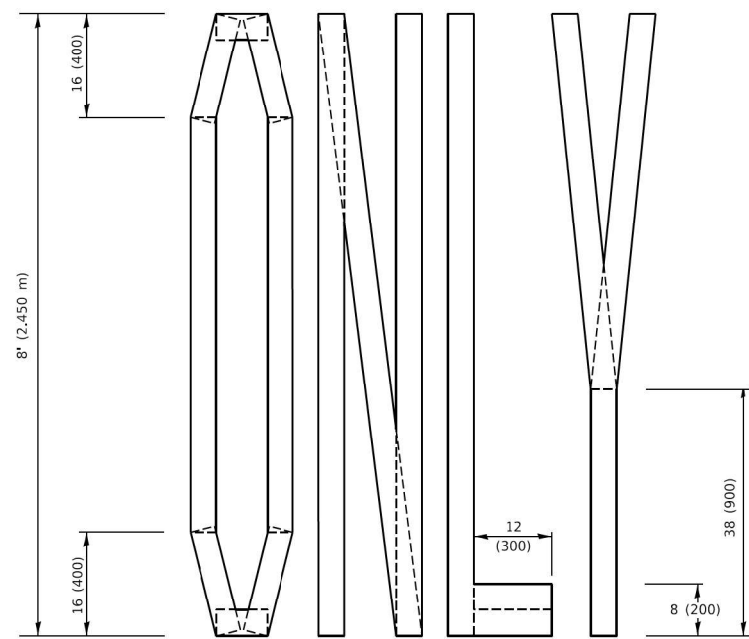
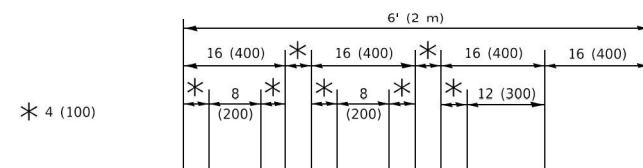
| | | |
|------------------------------|------------------|-----------|
| USER NAME = sklerpiec | DESIGNED - AN | REVISED - |
| | DRAWN - AN | REVISED - |
| PLOT SCALE = 100,0000' / in. | CHECKED - JH | REVISED - |
| PLOT DATE = 8/18/2022 | DATE - 8/18/2022 | REVISED - |

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|-------------|--------|--------------|-----------|
| 866 | 2021-044-R5 | LAKE | 65 | 62 |
| CONTRACT NO. 62N67 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



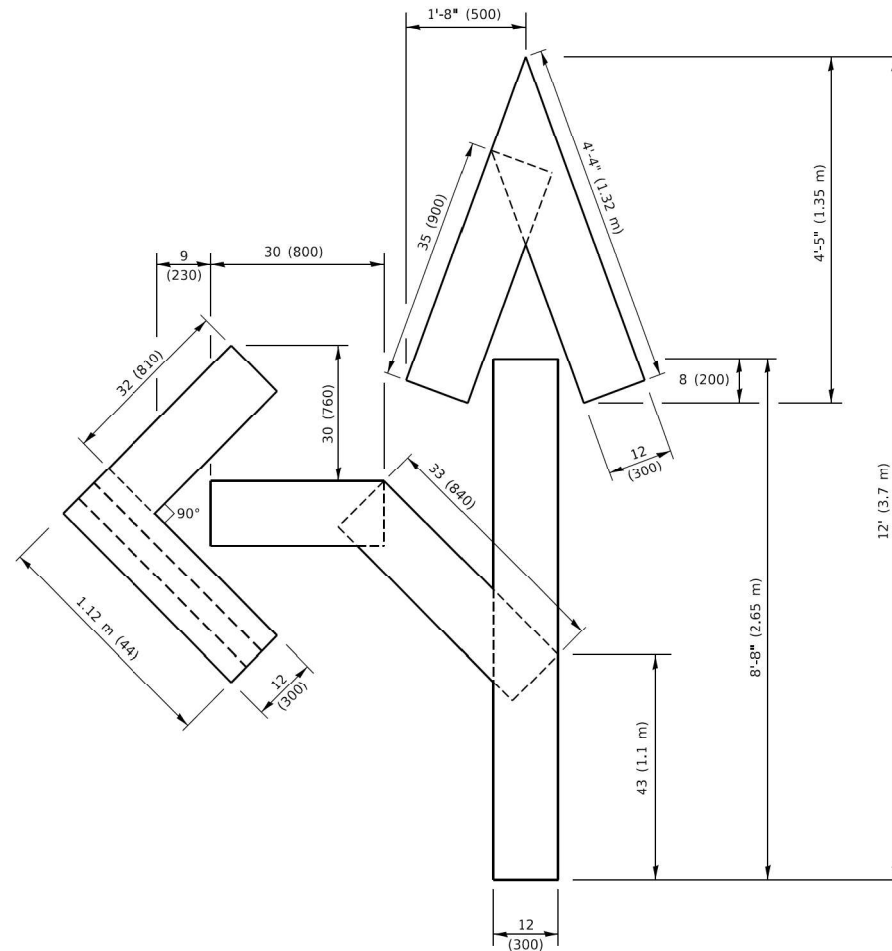
QUANTITY

4 (100) LINE = 45.5 ft. (13.9 m)
15.2 sq. ft. (1.41 sq. m)



QUANTITY

4 (100) LINE = 64.1 ft. (19.5 m)
21.4 sq. ft. (1.99 sq. m)

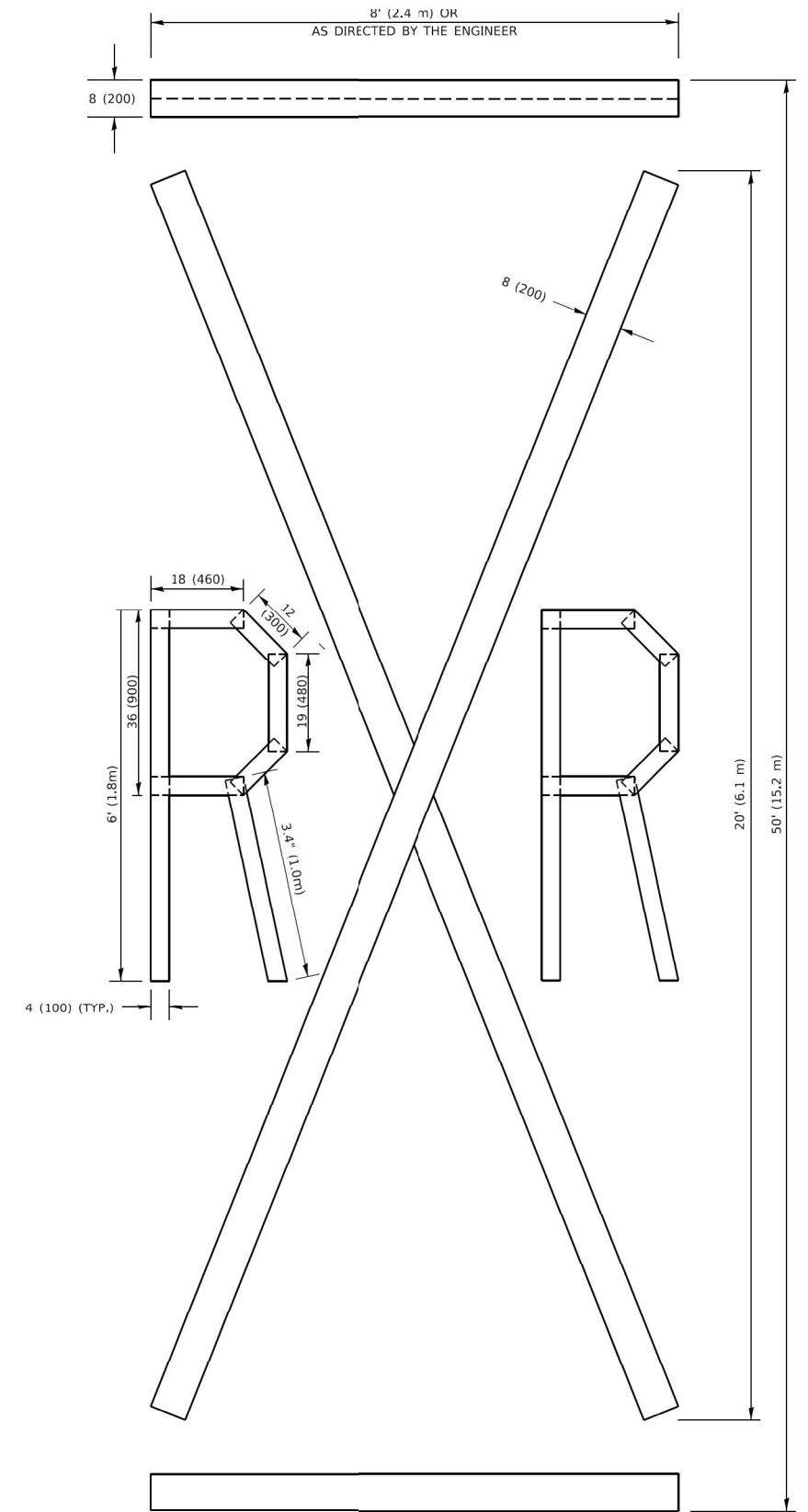


QUANTITY

4 (100) LINE = 82.5 ft. (25.1 m)
27.5 sq. ft. (2.53 sq. m)

NOTE:

ALL QUANTITIES OF PLACEMENT ARE REPRESENTED IN LINEAR FEET OF 4" LINES TO MATCH THE 4" TEMPORARY TAPE PAY ITEM AND REPRESENTS THE TOTAL QUANTITY OF 4" TAPE REQUIRED.



QUANTITY

4 (100) LINE = 225.9 ft. (68.9 m)
75.3 sq. ft. (6.99 sq. m)

All dimensions are in inches (millimeters) unless otherwise shown.

MODEL: Default
FILE NAME: 20220516_11.DDOT.D1.PFB_199-015_WO_11_IL_83_Resurfacing(DGN)Design\Prelim\Revised\62N67-ct-D.Detail.dgn

EFK Moen
Civil Engineering Design

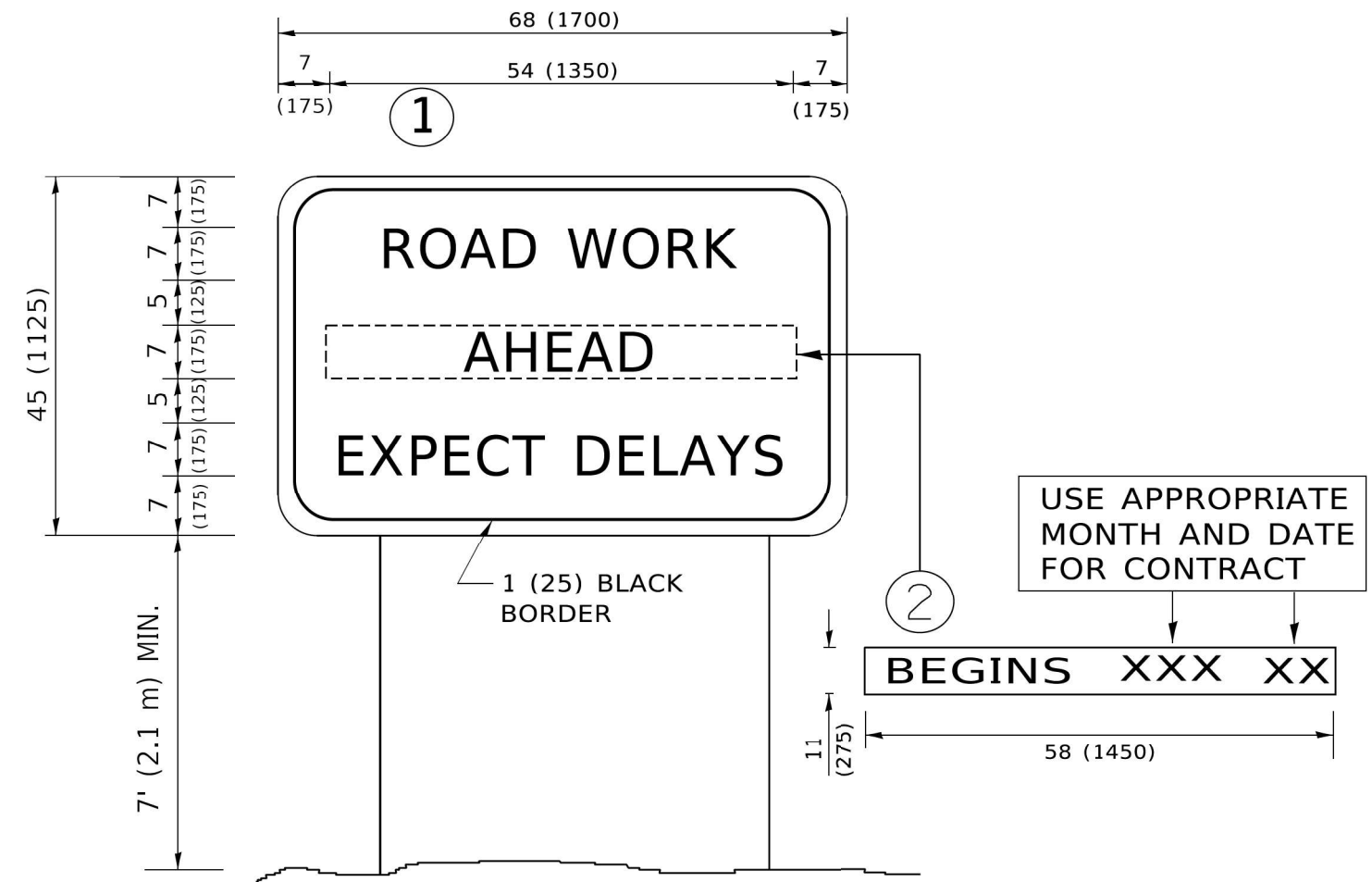
| | | |
|------------------------------|------------------|-----------|
| USER NAME = skierpiec | DESIGNED - AN | REVISED - |
| PLOT SCALE = 100,0000' / in. | DRAWN - AN | REVISED - |
| PLOT DATE = 8/18/2022 | CHECKED - JH | REVISED - |
| | DATE - 8/18/2022 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TC-16: SHORT-TERM PAVEMENT MARKING
LETTERS AND SYMBOLS

SCALE: N/A SHEET 9 OF 11 SHEETS STA. TO STA.

| | | | | |
|--------------------|-------------|--------|---------------------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 866 | 2021-044-R5 | LAKE | 65 | 63 |
| CONTRACT NO. 62N67 | | | ILLINOIS FED. AID PROJECT | |



NOTES:

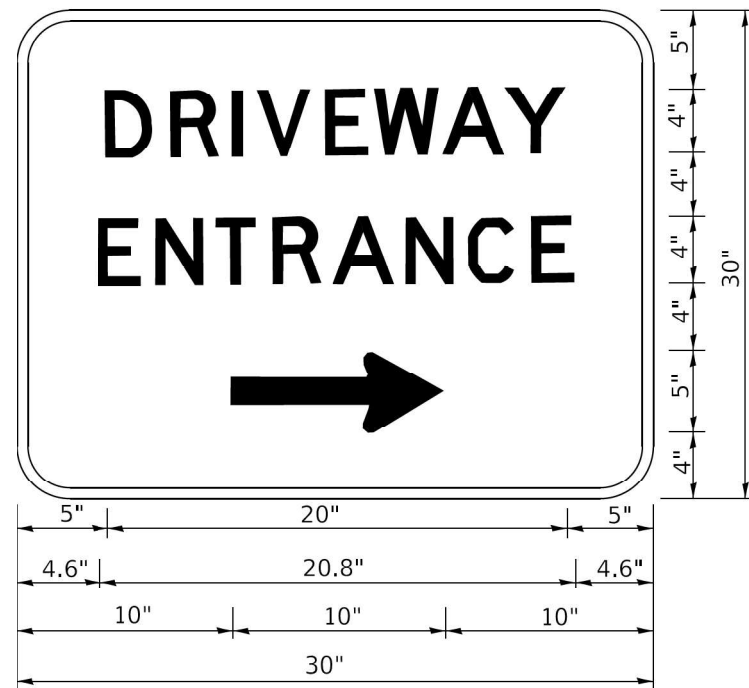
1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

MODEL: D:\efk\h...
 FILE NAME: 20220516_11.DDOT.D1.PTB, 199-015.WD, 11, IL, 83, Resurfacing\DCM\Design\Prelim\Road\Sheet\62N67-act-D1Detail.dwg

| | | |
|------------------------------|------------------|-----------|
| USER NAME = sklerpiec | DESIGNED - AN | REVISED - |
| PLOT SCALE = 100,0000' / in. | DRAWN - AN | REVISED - |
| PLOT DATE = 8/18/2022 | CHECKED - JH | REVISED - |
| | DATE - 8/18/2022 | REVISED - |

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|-------------|--------|---------------------------|-----------|
| 866 | 2021-044-R5 | LAKE | 65 | 64 |
| CONTRACT NO. 62N67 | | | ILLINOIS FED. AID PROJECT | |



3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED
 "DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

NOTES:

1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE PLACED BACK-TO-BACK: ONE WITH A RIGHT HAND ARROW (SHOWN) SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE FAR LEFT SIDE OF THE DRIVEWAY.
3. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING".

MODEL: Default
 FILE NAME: 20230516_11.DDOT D1.PFB_199-015_WO_11_IL_83_Resurfacing(DGN)Design\Project\Initial\Sheet\62N67-act-D1Detail.dgn

| | | |
|------------------------------|------------------|-----------|
| USER NAME = skierpiec | DESIGNED - AN | REVISED - |
| | DRAWN - AN | REVISED - |
| PLOT SCALE = 100,0000' / in. | CHECKED - JH | REVISED - |
| PLOT DATE = 8/18/2022 | DATE - 8/18/2022 | REVISED - |

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|-------------|--------|---------------------------|-----------|
| 866 | 2021-044-R5 | LAKE | 65 | 65 |
| CONTRACT NO. 62N67 | | | ILLINOIS FED. AID PROJECT | |