

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------------------|-------------|--------------------|--------------|-----------|
| 2503 | 2021-014-RS | KANE | 35 | 1 |
| FED. ROAD DIST. NO. 1 ILLINOIS | | CONTRACT NO. 62N55 | | |

D-91-105-21



FOR INDEX OF SHEETS, SEE SHEET NO. 2

**PROPOSED
HIGHWAY PLANS**

F.A.U. ROUTE 2503: IL 25 / BROADWAY STREET
HAZEL AVE. TO KENDALL COUNTY LINE
SECTION: 2021-014-RS
PROJECT: STP-F3XX(392)
STANDARD OVERLAY, MILLED RUMBLE STRIP

PROJECT IS LOCATED IN THE
CITY OF AURORA AND THE
VILLAGE OF MONTGOMERY

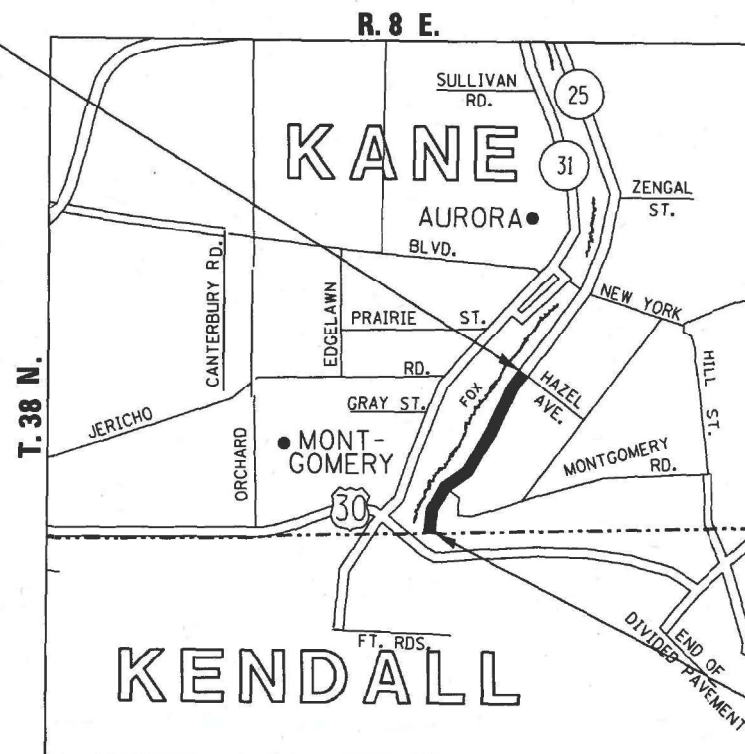
TRAFFIC DATA:

2019 ADT - 4900 TO 10650
SPEED LIMIT - 35 TO 40 MPH

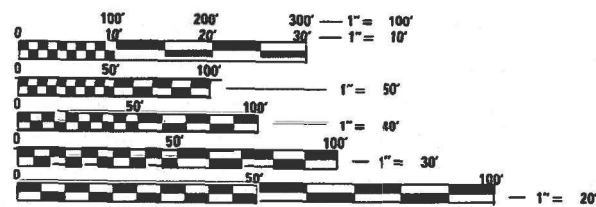
KANE COUNTY

C-91-128-21

PROJECT ENDS
STA. 99+77



PROJECT BEGINS
STA. 13+00



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 EXCAVATION
1-800-892-0123
OR 811

PROJECT ENGINEER: VESELIN VELICHKOV (847) 705-4432
PROJECT MANAGER: FAWAD AQUEEL (847) 705-4247

CONTRACT NO. 62N55

GROSS AND NET LENGTH OF PROJECT - 8,677 FEET (1.64 MILES)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED August 3, 2021
Jose Rios (Signature)
JOSE RIOS, REGIONAL ENGINEER

October 1, 2021
Stephen M. Smith (Signature)
ENGINEER OF DESIGN AND ENVIRONMENT

October 2, 2021
Stephen M. Smith (Signature)
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

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|-----------------|---|
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| 32 | DISTRICT ONE - DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING (TS-07) |
| 33-34 | DETECTOR LOOP LOCATION DETAILS |
| 35 | PRUNING FOR SAFETY AND EQUIPMENT CLEARANCE (BM-20) |

| STATE STANDARDS | |
|-----------------|---|
| 000001-08 | STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS |
| 424001-11 | PERPENDICULAR CURB RAMPS FOR SIDEWALKS |
| 424011-04 | CORNER PARALLEL CURB RAMPS FOR SIDEWALKS |
| 424021-06 | DEPRESSED CORNER FOR SIDEWALKS |
| 442201-03 | CLASS C AND D PATCHES |
| 604001-05 | FRAME AND LIDS, TYPE 1 |
| 604006-05 | FRAME AND GRATE, TYPE 3 |
| 606001-07 | CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER |
| 630001-12 | STEEL PLATE BEAM GUARDRAIL |
| 630006 | NON-BLOCKED STEEL PLATE BEAM GUARDRAIL |
| 701006-05 | OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5m) to 24" (600mm) FROM PAVEMENT EDGE |
| 701011-04 | OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY |
| 701301-04 | LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS |
| 701311-03 | LANE CLOSURE 2L, 2W MOVING OPERATIONS-DAY ONLY |
| 701501-06 | URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED |
| 701701-10 | URBAN LANE CLOSURE, MULTILANE INTERSECTION |
| 701801-06 | SIDEWALK, CORNER OR CROSSWALK CLOSURE |
| 701901-08 | TRAFFIC CONTROL DEVICES |
| 782006-01 | GUARDRAIL BARRIER WALL REFLECTOR MOUNTING DETAILS |
| 886001-01 | DETECTOR LOOP INSTALLATIONS |
| 886006-01 | TYPICAL LAYOUTS FOR DETECTION LOOPS |

- GENERAL NOTES:**
- BEFORE STARTING ANY EXCAVATION THE CONTRACTOR SHALL CALL "JULIE" AT 800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES, (48 HOURS NOTIFICATION IS REQUIRED).
 - 10 FEET (3 METERS) TRANSITION SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURBS AND GUTTERS AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITION SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.
 - THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH THE UTILITY COMPANIES AND THE CITY OF AURORA AND THE VILLAGE OF MONTGOMERY.
 - THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
 - ANY PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS OBLITERATED BY MILLING AND RESURFACING OPERATIONS ON SIDE STREETS AND ENTRANCES SHALL BE REPLACED AND PAID FOR IN KIND.
 - ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT NO ADDITIONAL COST TO THE DEPARTMENT.
 - ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
 - LOCATION OF COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT (OR COMBINATION CURB AND GUTTER (THE TYPE SPECIFIED ON THE PLANS)), WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
 - DRAINAGE ADJUSTMENT OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
 - IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
 - FRAMES AND GRATES ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE LIMITS OF THE IMPROVEMENT SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT IN PART OF THIS CONTRACT.
 - BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.
 - WHEN THE MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1½ INCHES (40 mm) WHERE THE SPEED LIMIT IS 40 MPH (80 km/ h) OR LESS AND 1 INCH (25 mm) WHERE THE SPEED LIMIT IS GREATER THAN 40 MPH (80 km/ h). WITH WRITTEN APPROVAL OF THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES (75 mm) MAY BE ALLOWED IF THE EDGE OF THE MILLING MACHINE IS SLOPED A MINIMUM (1:3).
 - THE CONTRACTOR SHALL CONTACT THE IDOT ARTERIAL DISTRICT ONE TRAFFIC CONTROL CENTER SUPERVISOR FOR ARTERIALS AT KALPANA.KANNAN-HOUSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
 - PERMANENT PAVEMENT MARKINGS SHALL BE THERMOPLASTIC (OF THE EXTRUDED TYPE) AND SHOULD BE PLACED IN ACCORDANCE WITH THE "DISTRICT ONE TYPICAL PAVEMENT MARKINGS" DETAIL. (TC-13)
 - RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH THE "TYPICAL APPLICATIONS FOR RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" DETAIL. (TC-11)
 - THE RESIDENT ENGINEER SHALL CONTACT MR. WALTER CZARNY, AREA TRAFFIC FIELD ENGINEER, AT WALTER.CZARNY@ILLINOIS.GOV, A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
 - THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS AT ALL TIMES DURING CONSTRUCTION.
 - THE CONTRACTOR SHALL CONTACT THE ROADSIDE DEVELOPMENT UNIT AT (847) 705-4171 AT LEAST TWO WEEKS PRIOR TO BEGINNING LANDSCAPE AND FORESTRY WORK FOR LAYOUT.
 - PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT-TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.
 - THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
 - DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
 - BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) ACCORDING TO THE "BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS" SHEET INCLUDED WITH PLANS, UNLESS OTHERWISE SPECIFIED.
 - 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 TO ARTICLE 109.04 OF THE STANDARDS SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.
 - UNLESS OTHER CONDITIONS WARRANT EXTENDED LANE CLOSURES AS DETERMINED AND APPROVED IN WRITING BY THE ENGINEER OR AS PROVIDED FOR IN THE CONTRACT SPECIFICATIONS, OVERNIGHT CLOSURES SHALL NOT BE ALLOWED FOR REHABILITATION PROJECTS INVOLVING DAYTIME MILLING AND RESURFACING OPERATIONS AND CLASS D PATCHING. (NIGHT CLOSURES MAY BE NEEDED FOR STRUCTURE ADJUSTMENT SPECIAL)
 - PROPOSED SIDEWALK RAMPS SHALL CONFORM TO CURRENT ADA REQUIREMENT AND APPLICABLE STATE HIGHWAY STANDARDS OR AS DIRECTED BY THE ENGINEER.
 - THE COST OF SAW CUTTING SHALL BE INCLUDED WITH ASSOCIATED PAY ITEMS.

| | | | | | | | | | | |
|---|---------------------|------------|-----------------------------|---|---|-------------------------|---------|--------------|--------------|-----------|
| FILE NAME = | USER NAME = steedpo | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES FAU 2503 /IL 25—HAZEL AVE. TO KENDALL COUNTY LINE | F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| pw\idot-pw.bentley.com\PIDOT\Documents\IDOT Offices\District 1\Projects\DI10521\CA\DRAWING\DI10521-shr-plan.dgn | CHECKED - | REVISED - | 2503 | | | 2021-014-R5 | KANE | 35 | 2 | |
| PLOT SCALE = 100.0000' / 1in. | DATE - | REVISED - | CONTRACT NO. 62N55 | | | | | | | |
| PLOT DATE = 8/13/2021 | DATE - | REVISED - | (ILLINOIS) FED. AID PROJECT | | | | | | | |
| | | | | SCALE: NONE | | SHEET NO. 1 OF 1 SHEETS | | STA. TO STA. | | |

| SUMMARY OF QUANTITIES | | | TOTAL QUANTITIES URBAN | CONSTRUCTION TYPE CODE | | | | | |
|-----------------------|--|-------|------------------------|------------------------|-----------------|--|--|--|--|
| CODE NO | ITEM | UNIT | | 80% FED 20% STATE 0005 | 100% STATE 0005 | | | | |
| 20100110 | TREE REMOVAL (6 TO 15 UNITS DIAMETER) | UNIT | 22 | 22 | | | | | |
| 20101350 | TREE PRUNING (OVER 10 INCH DIAMETER) | EACH | 8 | 8 | | | | | |
| 20200100 | EARTH EXCAVATION | CU YD | 15 | 15 | | | | | |
| 21101615 | TOPSOIL FURNISH AND PLACE, 4" | SO YD | 34 | 34 | | | | | |
| 25000210 | SEEDING, CLASS 2A | ACRE | 1 | 1 | | | | | |
| 25000400 | NITROGEN FERTILIZER NUTRIENT | POUND | 5 | 5 | | | | | |
| 25000500 | PHOSPHORUS FERTILIZER NUTRIENT | POUND | 5 | 5 | | | | | |
| 25000600 | POTASSIUM FERTILIZER NUTRIENT | POUND | 5 | 5 | | | | | |
| 25100125 | MULCH, METHOD 3 | ACRE | 1 | 1 | | | | | |
| 25200110 | SODDING, SALT TOLERANT | SO YD | 34 | 34 | | | | | |
| 25200200 | SUPPLEMENTAL WATERING | UNIT | 1 | 1 | | | | | |
| 40600290 | BITUMINOUS MATERIALS (TACK COAT) | POUND | 20202 | 20202 | | | | | |
| 40600400 | MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS | TON | 45 | 45 | | | | | |
| 40600982 | HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT | SO YD | 287 | 287 | | | | | |

| SUMMARY OF QUANTITIES | | | TOTAL QUANTITIES URBAN | CONSTRUCTION TYPE CODE | | | | | |
|-----------------------|--|-------|------------------------|------------------------|-----------------|--|--|--|--|
| CODE NO | ITEM | UNIT | | 80% FED 20% STATE 0005 | 100% STATE 0005 | | | | |
| 40603200 | POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4, 75, N50 | TON | 1235 | 1235 | | | | | |
| 40604062 | HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70 | TON | 2514 | 2514 | | | | | |
| 42001300 | PROTECTIVE COAT | SO YD | 174 | 174 | | | | | |
| 42400200 | PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH | SO FT | 953 | 953 | | | | | |
| 42400800 | DETECTABLE WARNINGS | SO FT | 115 | 115 | | | | | |
| 44000100 | PAVEMENT REMOVAL | SO YD | 54 | 54 | | | | | |
| 44000158 | HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4" | SO YD | 29928 | 29928 | | | | | |
| 44000600 | SIDEWALK REMOVAL | SO FT | 434 | 434 | | | | | |
| 44201798 | CLASS D PATCHES, TYPE I, 13 INCH | SO YD | 20 | 20 | | | | | |
| 44201803 | CLASS D PATCHES, TYPE II, 13 INCH | SO YD | 800 | 800 | | | | | |
| 44201807 | CLASS D PATCHES, TYPE III, 13 INCH | SO YD | 150 | 150 | | | | | |
| 44201809 | CLASS D PATCHES, TYPE IV, 13 INCH | SO YD | 2300 | 2300 | | | | | |
| 48102100 | AGGREGATE WEDGE SHOULDER, TYPE B | TON | 465 | 465 | | | | | |
| 60260100 | INLETS TO BE AJUSTED | EACH | 8 | 8 | | | | | |

* SPECIALTY ITEMS
 NON PARTICIPATING ITEMS

MODEL: Default
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| | | |
|-------------------------------|------------|-----------|
| USER NAME = steedpa | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - | REVISED - |
| PLOT DATE = 8/14/2021 | DATE - | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES
 FAU 2503 /IL 25—HAZEL AVE. TO KENDALL COUNTY LINE**

SCALE: NONE SHEET OF SHEETS STA. TO STA.

| | | | | |
|---------------------------|---------------------|-------------|--------------------|-------------|
| F.A.U. RTE. 2503 | SECTION 2021-014-R5 | COUNTY KANE | TOTAL SHEETS 35 | SHEET NO. 3 |
| | | | CONTRACT NO. 62N55 | |
| ILLINOIS FED. AID PROJECT | | | | |

| SUMMARY OF QUANTITIES | | | TOTAL QUANTITIES URBAN | CONSTRUCTION TYPE CODE | | | | |
|-----------------------|---|--------|------------------------|------------------------|-----------------|--|--|--|
| CODE NO | ITEM | UNIT | | 80% FED 20% STATE 0005 | 100% STATE 0005 | | | |
| *63000001 | STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS | FOOT | 75 | 75 | | | | |
| *63100167 | TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT | EACH | 1 | 1 | | | | |
| 63200310 | GUARDRAIL REMOVAL | FOOT | 75 | 75 | | | | |
| *66900200 | NON-SPECIAL WASTE DISPOSAL | CU YD | 15 | 15 | | | | |
| *66900530 | SOIL DISPOSAL ANALYSIS | EACH | 2 | 2 | | | | |
| *66901001 | REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN | LSUM | 1 | 1 | | | | |
| *66901003 | REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT | LSUM | 1 | 1 | | | | |
| *66901006 | REGULATED SUBSTANCES MONITORING | CAL DA | 15 | 15 | | | | |
| 67000400 | ENGINEER'S FIELD OFFICE, TYPE A | CAL MO | 12 | 12 | | | | |
| 67100100 | MOBILIZATION | L SUM | 1 | 1 | | | | |
| 70102620 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701501 | L SUM | 1 | 1 | | | | |
| 70102635 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701701 | L SUM | 1 | 1 | | | | |

| SUMMARY OF QUANTITIES | | | TOTAL QUANTITIES URBAN | CONSTRUCTION TYPE CODE | | | | |
|-----------------------|---|-------|------------------------|------------------------|-----------------|--|--|--|
| CODE NO | ITEM | UNIT | | 80% FED 20% STATE 0005 | 100% STATE 0005 | | | |
| 70102640 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701801 | L SUM | 1 | 1 | | | | |
| 70300100 | SHORT TERM PAVEMENT MARKING | FOOT | 3292 | 3292 | | | | |
| 70300150 | SHORT TERM PAVEMENT MARKING REMOVAL | SO FT | 549 | 549 | | | | |
| 70300210 | TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS | SO FT | 73 | 73 | | | | |
| 70300220 | TEMPORARY PAVEMENT MARKING - LINE 4" | FOOT | 24239 | 24239 | | | | |
| 70300240 | TEMPORARY PAVEMENT MARKING - LINE 6" | FOOT | 680 | 680 | | | | |
| 70300250 | TEMPORARY PAVEMENT MARKING - LINE 8" | FOOT | 129 | 129 | | | | |
| 70300260 | TEMPORARY PAVEMENT MARKING - LINE 12" | FOOT | 744 | 744 | | | | |
| 70300280 | TEMPORARY PAVEMENT MARKING - LINE 24" | FOOT | 270 | 270 | | | | |
| 70300520 | PAVEMENT MARKING TAPE, TYPE III 4" | FOOT | 1646 | 1646 | | | | |
| *78000100 | THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS | SO FT | 73 | 73 | | | | |
| *78000200 | THERMOPLASTIC PAVEMENT MARKING - LINE 4" | FOOT | 24239 | 24239 | | | | |
| *78000400 | THERMOPLASTIC PAVEMENT MARKING - LINE 6" | FOOT | 680 | 680 | | | | |

* SPECIALTY ITEMS
 NON PARTICIPATING ITEMS

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| | | |
|------------------------------|------------|-----------|
| USER NAME = steedpa | DESIGNED - | REVISED - |
| PLOT SCALE = 100,0000' / in. | DRAWN - | REVISED - |
| PLOT DATE = 8/13/2021 | CHECKED - | REVISED - |
| | DATE - | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

| | | | | | | | |
|-------------|--|-------|----|--------|------|----|------|
| SCALE: NONE | | SHEET | OF | SHEETS | STA. | TO | STA. |
|-------------|--|-------|----|--------|------|----|------|

**SUMMARY OF QUANTITIES
FAU 2503 /IL 25—HAZEL AVE. TO KENDALL COUNTY LINE**

| | | | | |
|---------------------------|-------------|--------|--------------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 2503 | 2021-014-RS | KANE | 35 | 4 |
| ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 62N55 | |

| SUMMARY OF QUANTITIES | | | TOTAL QUANTITIES URBAN | CONSTRUCTION TYPE CODE | | | | |
|-----------------------|--|-------|------------------------|------------------------|-----------------|--|--|--|
| CODE NO | ITEM | UNIT | | 80% FED 20% STATE 0005 | 100% STATE 0005 | | | |
| *78000500 | THERMOPLASTIC PAVEMENT MARKING - LINE 8" | FOOT | 129 | 129 | | | | |
| *78000600 | THERMOPLASTIC PAVEMENT MARKING - LINE 12" | FOOT | 744 | 744 | | | | |
| *78000650 | THERMOPLASTIC PAVEMENT MARKING - LINE 24" | FOOT | 270 | 270 | | | | |
| *78100100 | RAISED REFLECTIVE PAVEMENT MARKER | EACH | 428 | 428 | | | | |
| *78200006 | GUARDRAIL REFLECTORS, TYPE B | EACH | 1 | 1 | | | | |
| 78300200 | RAISED REFLECTIVE PAVEMENT MARKER REMOVAL | EACH | 385 | 385 | | | | |
| *85000200 | MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION | EACH | 2 | 2 | | | | |
| *88600600 | DETECTOR LOOP REPLACEMENT | FOOT | 1220 | 1220 | | | | |
| *89502376 | REBUILD EXISTING HANDHOLE | EACH | 3 | 3 | | | | |
| X0320050 | CONSTRUCTION LAYOUT (SPECIAL) | L SUM | 1 | 1 | | | | |
| X0326898 | CENTER LINE - RUMBLE STRIP - 16" | FOOT | 1558 | 1558 | | | | |
| X0327120 | WEED CONTROL, NATIVE LANDSCAPE ENHANCEMENT | ACRE | 1.17 | 1.17 | | | | |

| SUMMARY OF QUANTITIES | | | TOTAL QUANTITIES URBAN | CONSTRUCTION TYPE CODE | | | | |
|-----------------------|--|-------|------------------------|------------------------|-----------------|--|--|------|
| CODE NO | ITEM | UNIT | | 80% FED 20% STATE 0005 | 100% STATE 0005 | | | |
| X2010100 | TREE LIMB REMOVAL (4 TO 10 INCHES DIAMETER) | EACH | 4 | 4 | | | | |
| X2010350 | TREE REMOVAL, ACRES (SPECIAL) | ACRE | 1 | 1 | | | | |
| X2020110 | GRADING AND SHAPING SHOULDERS | UNIT | 117 | 117 | | | | |
| X4400501 | COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT EQUAL TO OR LESS THAN 10 FEET | FOOT | 150 | 150 | | | | |
| X5537800 | STORM SEWERS TO BE CLEANED 12" | FOOT | 325 | | 325 | | | |
| X6030310 | FRAMES AND LIDS TO BE ADJUSTED (SPECIAL) | EACH | 18 | 18 | | | | |
| X7800815 | HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINE - 4 INCH | FOOT | 3116 | 3116 | | | | |
| Z0004562 | COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT | FOOT | 200 | 200 | | | | |
| Z0018500 | DRAINAGE STRUCTURES TO BE CLEANED | EACH | 26 | | 26 | | | |
| Z0030850 | TEMPORARY INFORMATION SIGNING | SO FT | 51.4 | 51.4 | | | | |
| Z0033700 | LONGITUDINAL JOINT SEALANT | FOOT | 11932 | 11932 | | | | |
| 60600605 | CONCRETE CURB, TYPE B | FOOT | 22 | 22 | | | | |
| Z0018100 | DRAINAGE STRUCTURE ADJUSTMENT (SPECIAL) | EACH | 18 | 18 | | | | |
| Z0076600 | TRAINEES | HOURS | 500 | 500 | | | | 0042 |
| Z0076604 | TRAINEES - TRAINING PROGRAM GRADUATE | HOURS | 500 | 500 | | | | |

* SPECIALTY ITEMS
 NON PARTICIPATING ITEMS

MODEL: Default FILE NAME: pw\luldbet-aw-bentley.com\PROJECTS\DOT_CAD\Drawings\DOT_CAD\Drawings\10521-1-hk-pd-be.dwg PROJECT: D:\10521\CAD\Drawings\DOT_CAD\Drawings\10521-1-hk-pd-be.dwg

| | | |
|-------------------------------|------------|-----------|
| USER NAME = steedpa | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - | REVISED - |
| PLOT DATE = 8/16/2021 | DATE - | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

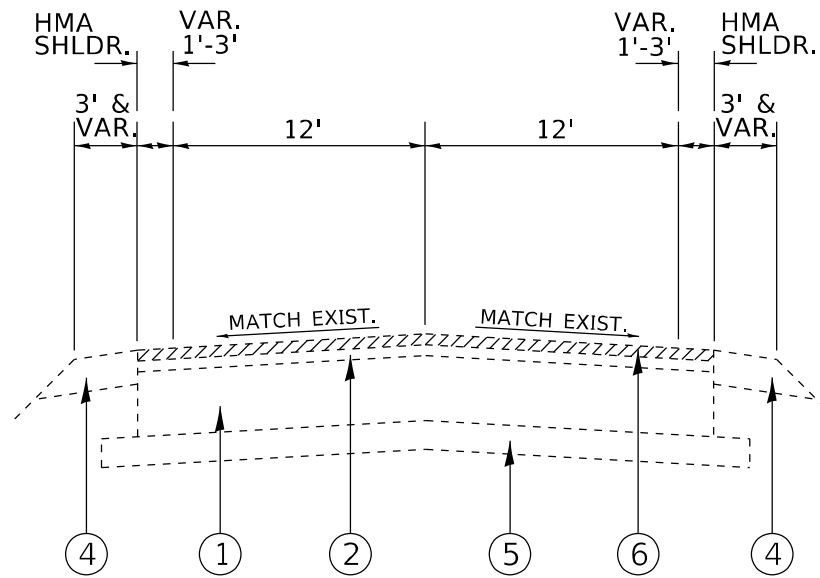
**SUMMARY OF QUANTITIES
FAU 2503 /IL 25—HAZEL AVE. TO KENDALL COUNTY LINE**

SCALE: NONE SHEET OF SHEETS STA. TO STA.

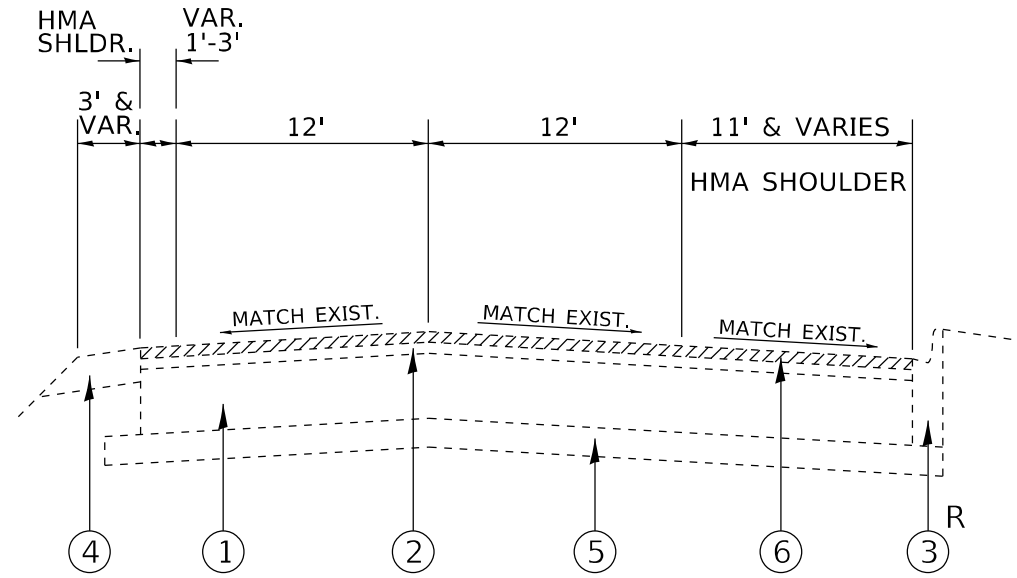
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|--------------------|---------------------|-------------|---------------------------|-------------|
| F.A.U. RTE. 2503 | SECTION 2021-014-RS | COUNTY KANE | TOTAL SHEETS 35 | SHEET NO. 5 |
| CONTRACT NO. 62N55 | | | ILLINOIS FED. AID PROJECT | |

LEGEND:

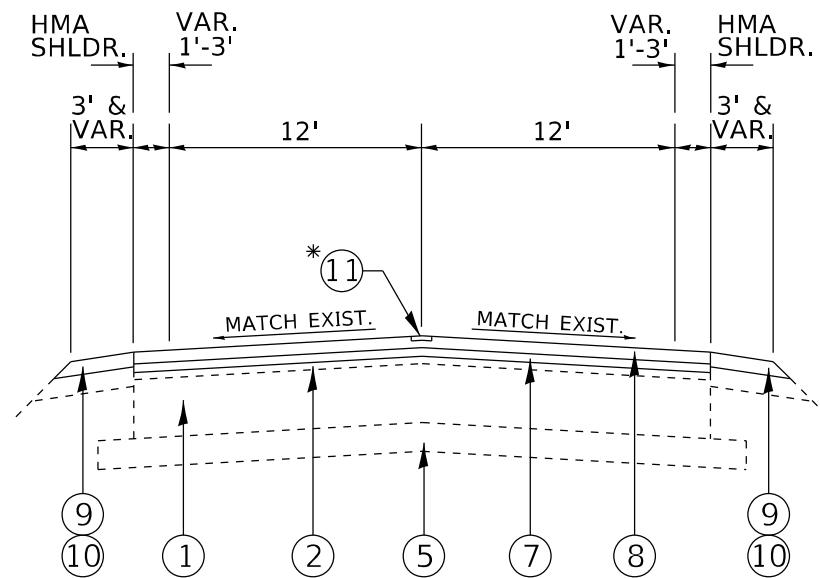
- ① EXISTING P.C.C. PAVEMENT ±9"
 - ② EXISTING HOT-MIX ASPHALT SURFACE ±4" (AFTER MILLING)
 - ③ EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
 - ④ EXISTING AGGREGATE SHOULDER
 - ⑤ EXISTING STABILIZED SUB-BASE
 - ⑥ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
 - ⑦ PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"
 - ⑧ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 1 1/2"
 - ⑨ PROPOSED GRADING AND SHAPING SHOULDERS
 - ⑩ PROPOSED AGGREGATE WEDGE SHOULDERS, TYPE B
 - ⑪ PROPOSED CENTERLINE RUMBLE STRIPS, (16" WIDE)
- R CURB AND GUTTER REMOVAL AND REPLACEMENT (AS DIRECTED BY THE ENGINEER)



EXISTING TYPICAL SECTION
 STA. 13+00 TO 31+00
 STA. 36+49 TO 47+34
 STA. 53+40 TO 61+58
 STA. 66+52 TO 73+16
 STA. 84+19 TO 99+77

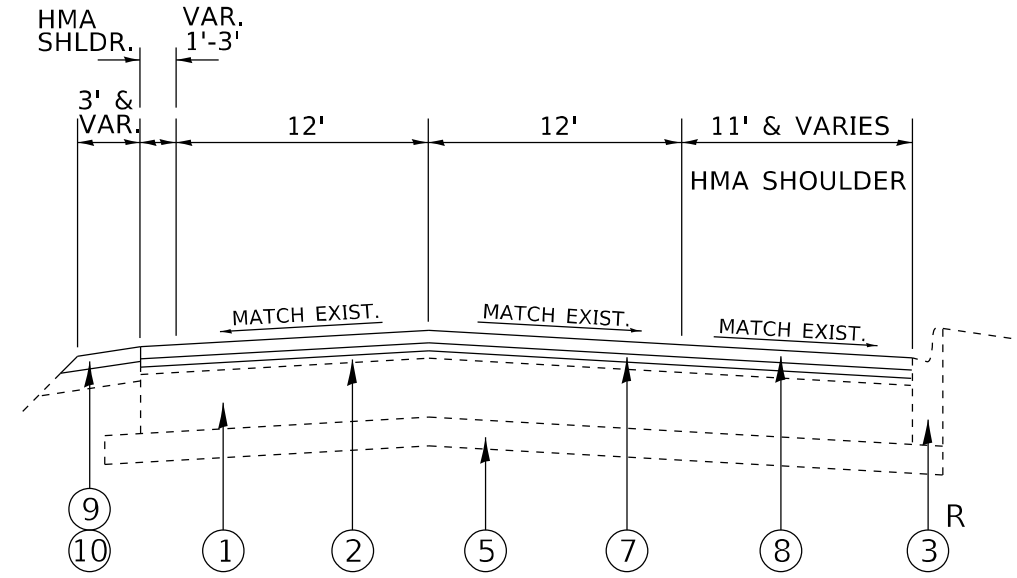


EXISTING TYPICAL SECTION
 STA. 31+00 TO 36+49
 STA. 47+34 TO 53+40
 STA. 61+58 TO 66+52



PROPOSED TYPICAL SECTION
 STA. 13+00 TO 31+00
 STA. 36+49 TO 47+34
 STA. 53+40 TO 61+58
 STA. 66+52 TO 73+16
 STA. 84+19 TO 99+77

LEGEND:
 * CENTERLINE RUMBLE STRIPS
 STA. 84+19 TO 99+77



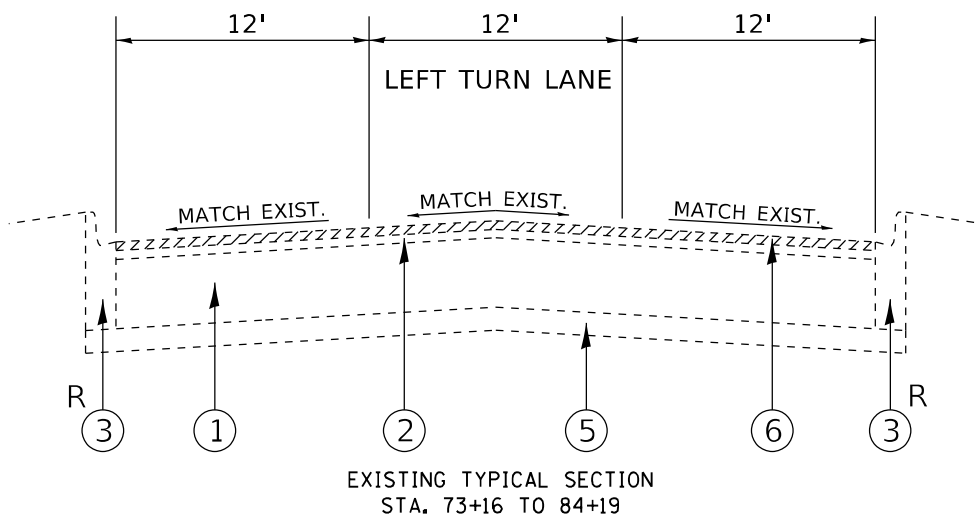
PROPOSED TYPICAL SECTION
 STA. 31+00 TO 36+49
 STA. 47+34 TO 53+40
 STA. 61+58 TO 66+52

MIXTURE REQUIREMENTS

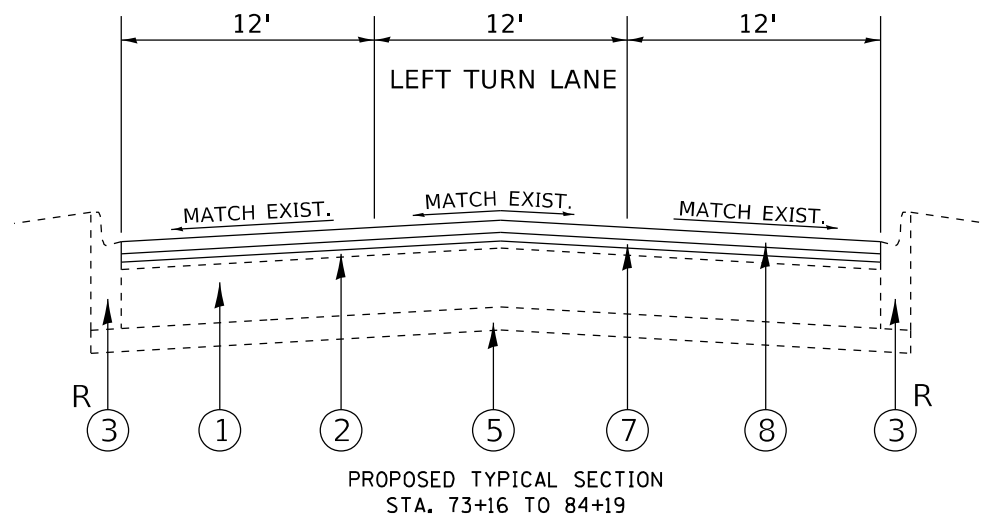
| MIXTURE TYPE | AIR VOIDS @ Ndes | QMP |
|--|------------------|---------|
| PATCHING | | |
| CLASS "D" PATCHES (HMA BINDER, IL-19MM) | 4% @ 70 GYR. | QC / QA |
| PAVEMENT RESURFACING | | |
| HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70, 1 1/2" | 4% @ 70 GYR. | QCP |
| POLYMERIZED HOT-MIX ASPHALT BINDER COURSE IL-4.75, N50, 3/4" | 3.5% @ 50 GYR. | QC / QA |
| QMP DESIGNATION: QUALITY CONTROL FOR PERFORMANCE (QCP); QUALITY CONTROL/ QUALITY ASSURANCE (QC/ QA); PAY FOR PERFORMANCE (PFP) | | |

NOTES:

- THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE 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 SPECIAL PROVISIONS.
- THE MILLING SHALL BE DONE PRIOR TO PATCHING
- QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE
- THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE BINDER COURSE
- FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS

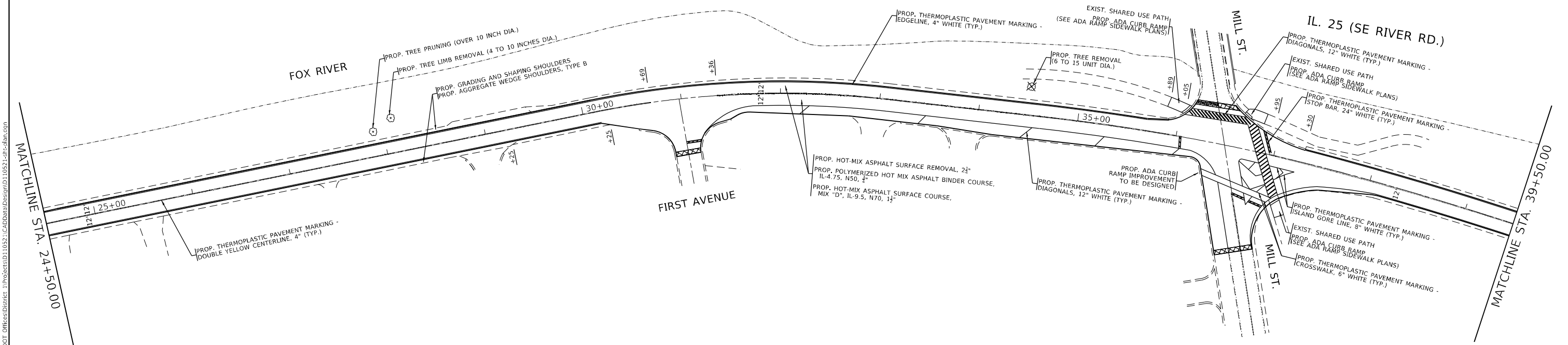
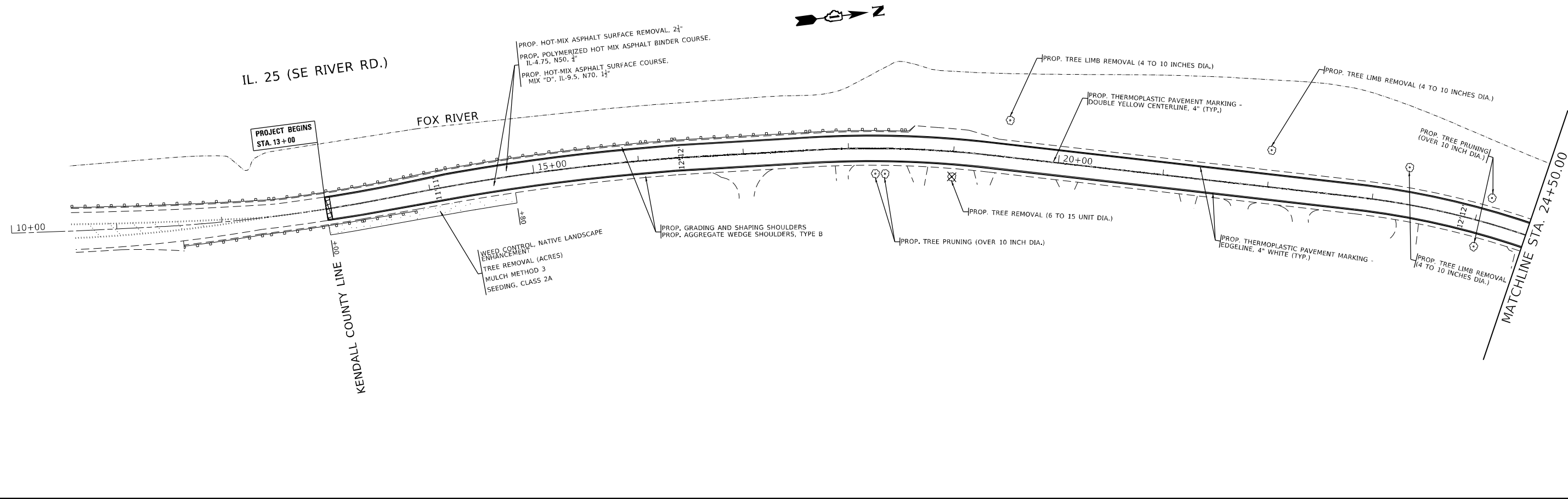


- LEGEND:**
- ① EXISTING P.C.C. PAVEMENT ±9"
 - ② EXISTING HOT-MIX ASPHALT SURFACE ±4" (AFTER MILLING)
 - ③ EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
 - ④ EXISTING AGGREGATE SHOULDER
 - ⑤ EXISTING STABILIZED SUB-BASE
 - ⑥ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
 - ⑦ PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"
 - ⑧ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 1 1/2"
 - ⑨ PROPOSED GRADING AND SHAPING SHOULDERS
 - ⑩ PROPOSED AGGREGATE WEDGE SHOULDERS, TYPE B
 - ⑪ PROPOSED CENTERLINE RUMBLE STRIPS, (16" WIDE)
- R CURB AND GUTTER REMOVAL AND REPLACEMENT (AS DIRECTED BY THE ENGINEER)



| | | | | | | | | | | | | |
|---|--------------------|------------|-----------|---|---|-------------------------|--------------|---------------------------|---------|--------|--------------|-----------|
| FILE NAME = | USER NAME = steedp | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | EXISTING AND PROPOSED TYPICAL SECTIONS FAU 2503 /IL 25—HAZEL AVE. TO KENDALL COUNTY LINE | | | F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| p:\idot-pw\bentley.com\PWIDOT\Documents\IDOT Offices\District 1\Projects\DI10521\CAD\DRAWING\DI10521-sht-plan.dgn | | CHECKED - | REVISED - | | 2503 | 2021-014-R5 | KANE | 35 | 7 | | | |
| PLOT SCALE = 100.0000' / in. | | DATE - | REVISED - | | CONTRACT NO. 62N55 | | | | | | | |
| PLOT DATE = 8/13/2021 | | | | | SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. TO STA. | ILLINOIS FED. AID PROJECT | | | | |

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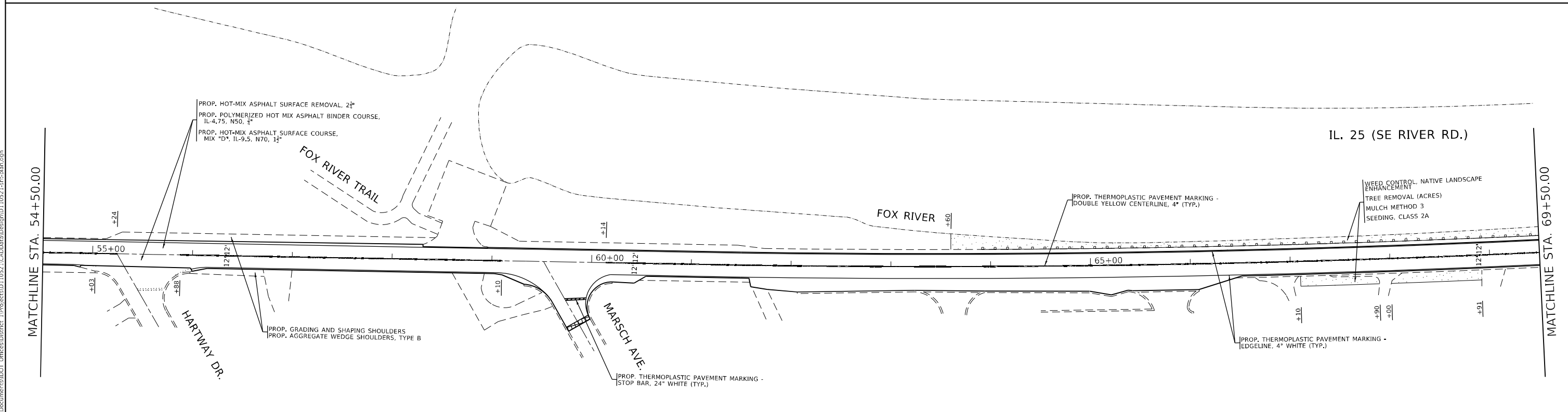
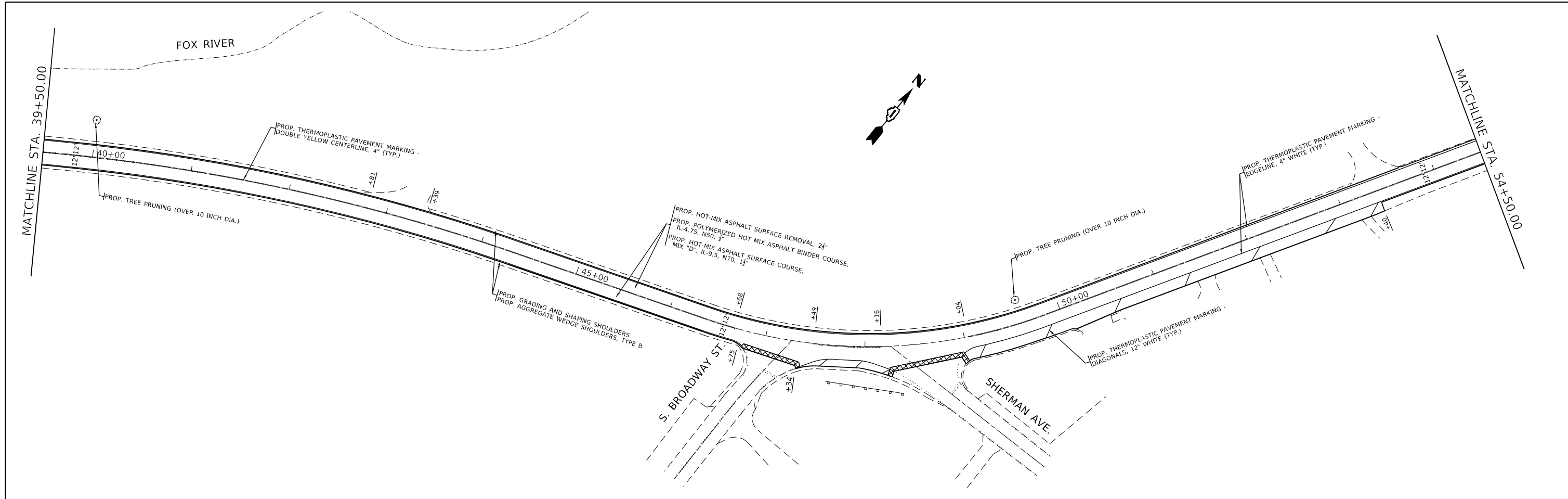
LEGEND:
 HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT

| | | |
|------------------------------|------------|-----------|
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| PLOT SCALE = 100,0000' / in. | DRAWN - | REVISED - |
| PLOT DATE = 8/13/2021 | CHECKED - | REVISED - |
| | DATE - | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

| | | | |
|--|-------|-----------|--------------|
| ROADWAY AND PAVEMENT MARKING PLAN FAU 2503 /IL 25—HAZEL AVE. TO KENDALL COUNTY LINE | | | |
| SCALE: | SHEET | OF SHEETS | STA. TO STA. |

| | | | | |
|---------------------------|-------------|--------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 2503 | 2021-014-RS | KANE | 35 | 8 |
| CONTRACT NO. 62N55 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



LEGEND:

 HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT

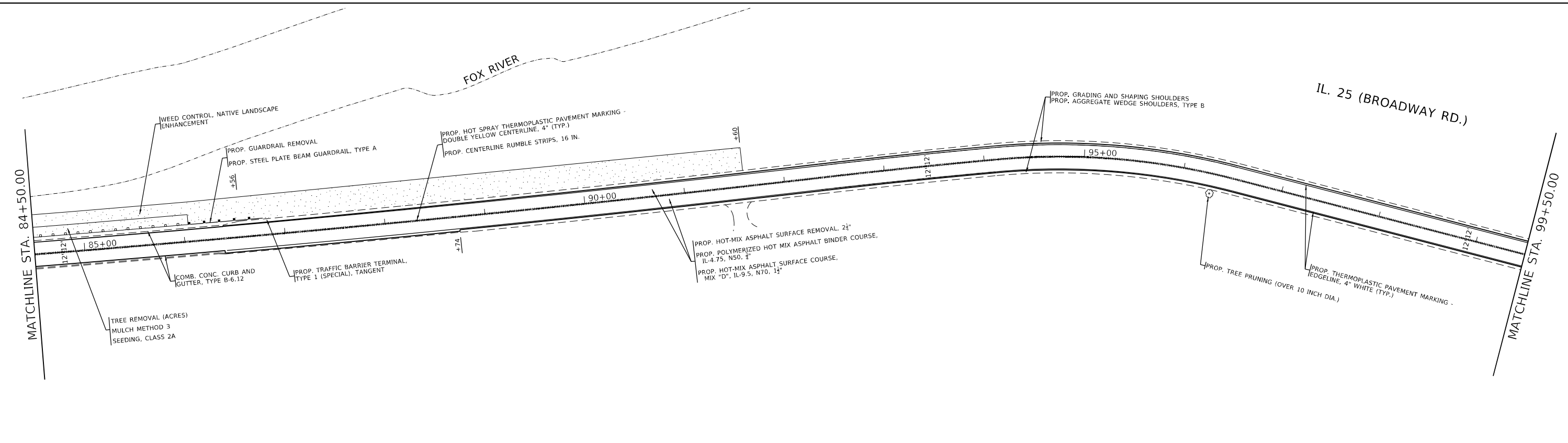
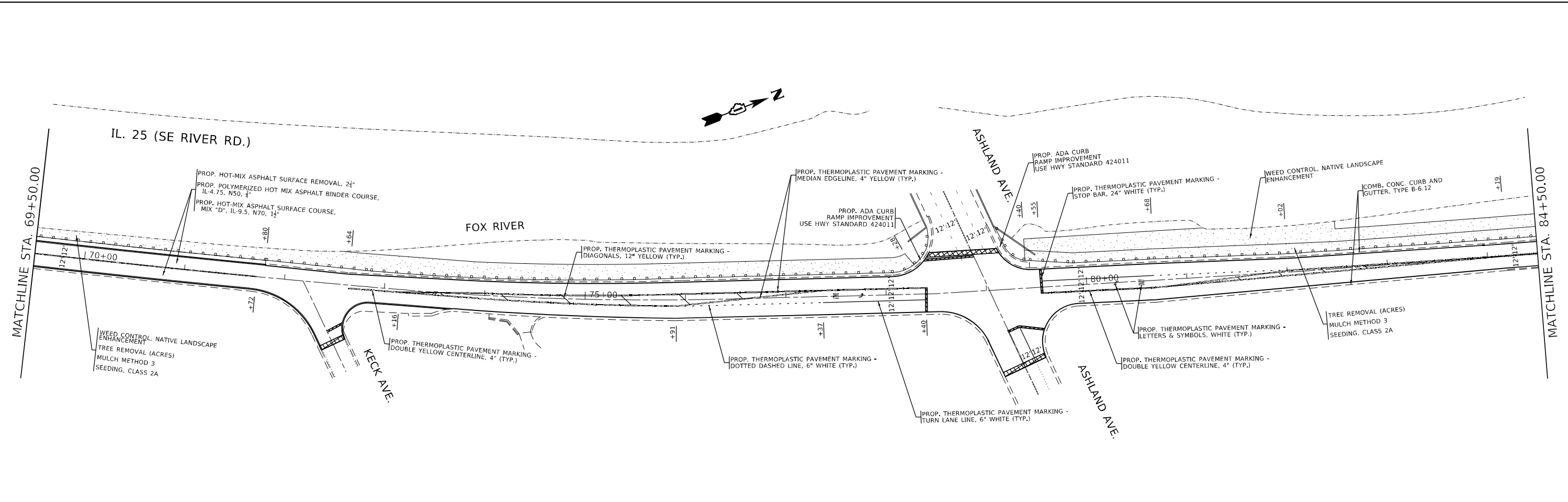
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| USER NAME = steedpa | DESIGNED - | REVISED - |
| PLOT SCALE = 100,000' / in. | DRAWN - | REVISED - |
| PLOT DATE = 8/13/2021 | CHECKED - | REVISED - |
| | DATE - | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

| | | | |
|--|-------|-----------|--------------|
| ROADWAY AND PAVEMENT MARKING PLAN | | | |
| FAU 2503 /IL 25—HAZEL AVE. TO KENDALL COUNTY LINE | | | |
| SCALE: | SHEET | OF SHEETS | STA. TO STA. |

| | | | | |
|--------------------|-------------|------------------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 2503 | 2021-014-RS | KANE | 35 | 9 |
| CONTRACT NO. 62N55 | | | | |
| ILLINOIS | | FED. AID PROJECT | | |



LEGEND:

HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT

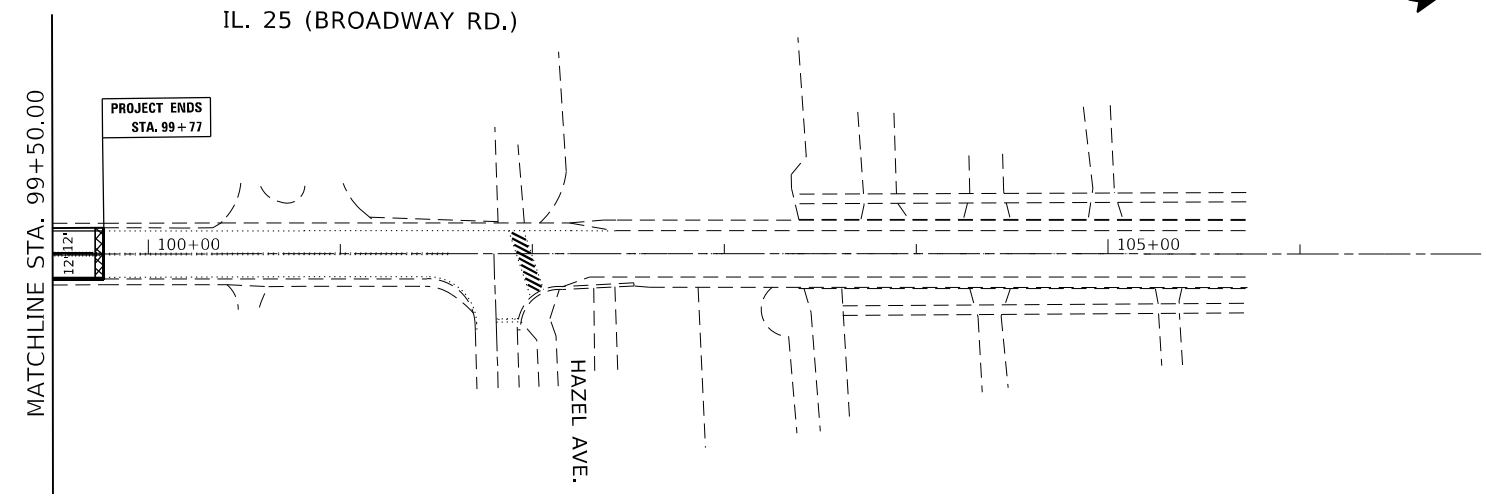
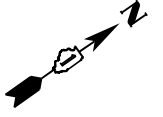
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|------------------------------|------------|-----------|
| USER NAME = steedpa | DESIGNED - | REVISED - |
| PLOT SCALE = 100,0000' / in. | DRAWN - | REVISED - |
| PLOT DATE = 8/13/2021 | CHECKED - | REVISED - |
| | DATE - | REVISED - |


**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

| ROADWAY AND PAVEMENT MARKING PLAN | | | |
|---|-------|-----------|--------------|
| FAU 2503 /IL 25—HAZEL AVE. TO KENDALL COUNTY LINE | | | |
| SCALE: | SHEET | OF SHEETS | STA. TO STA. |

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|-------------|--------|--------------|-----------|
| 2503 | 2021-014-RS | KANE | 35 | 10 |
| CONTRACT NO. 62N55 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



LEGEND:

 HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT

MODEL: Default
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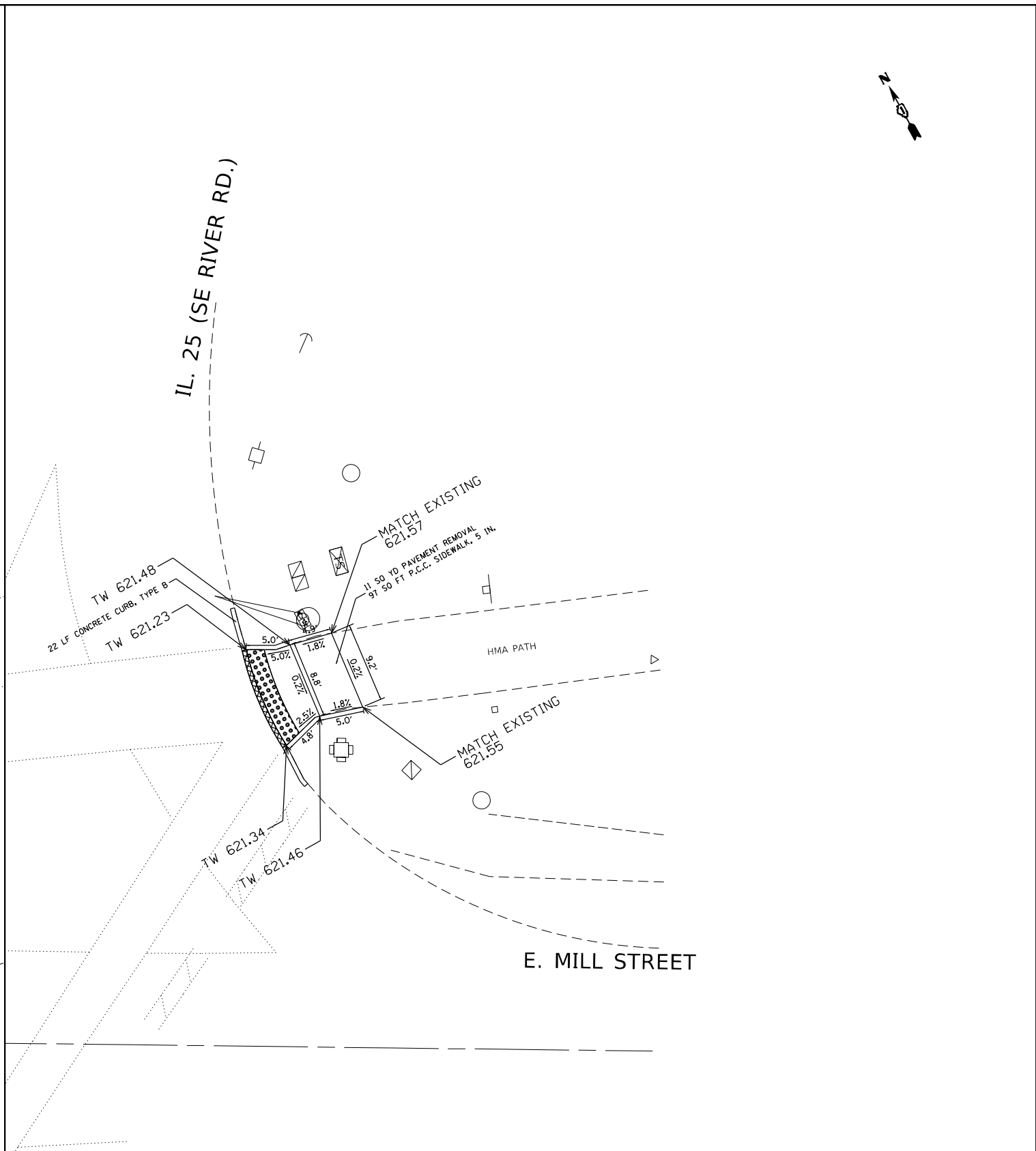
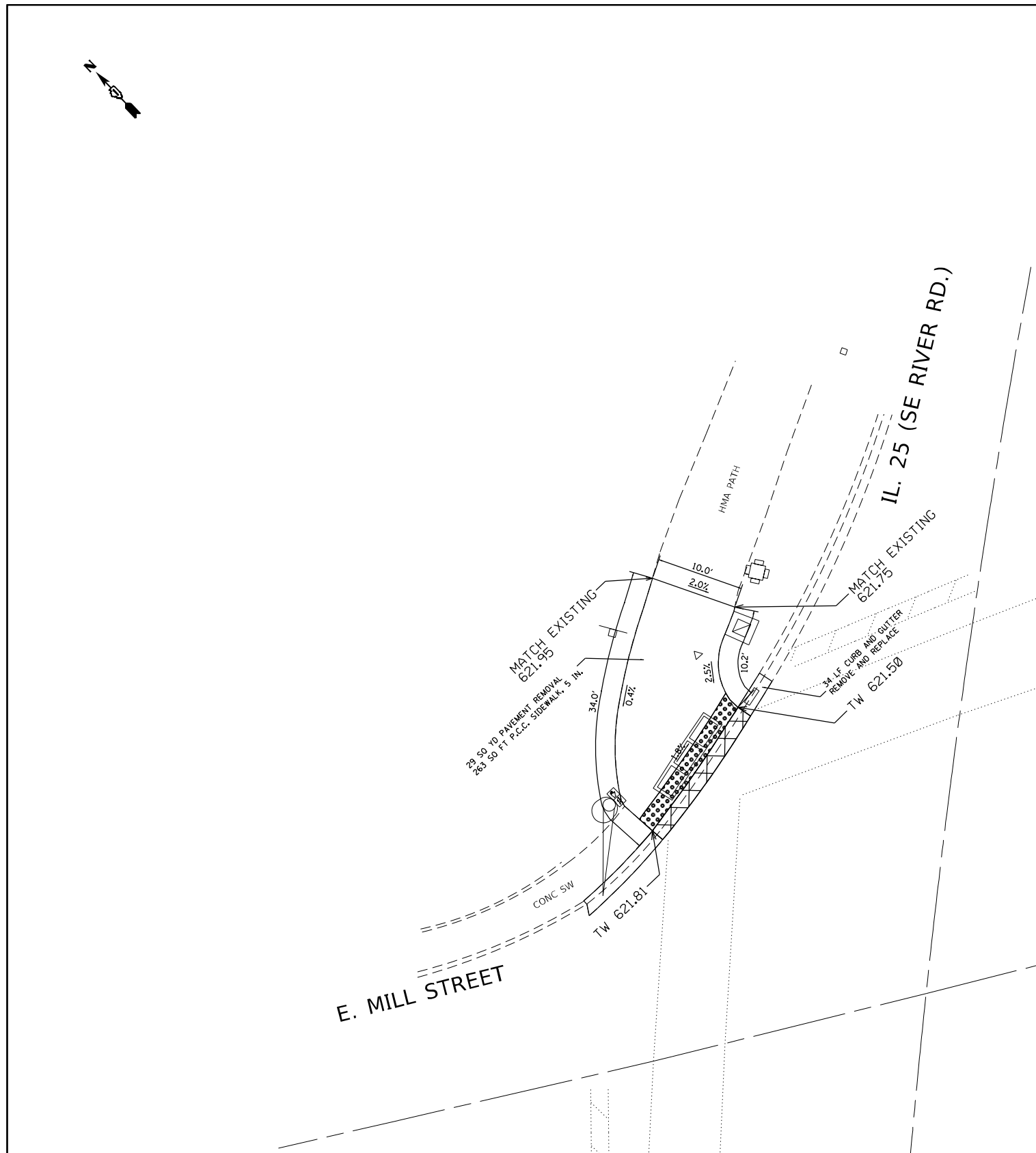
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| | DRAWN - | REVISED - |
| PLOT SCALE = 100,0000' / in. | CHECKED - | REVISED - |
| PLOT DATE = 8/13/2021 | DATE - | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY AND PAVEMENT PLAN
FAU 2503 /IL 25—HAZEL AVE. TO KENDALL COUNTY LINE**

SCALE: SHEET OF SHEETS STA. TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|-------------|--------|--------------|-----------|
| 2503 | 2021-014-RS | KANE | 35 | 11 |
| CONTRACT NO. 62N55 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



REFERENCE BENCH MARK ELEV 622.00

BENCHMARK : SET X ON SW CORNER OF CONCRETE BASE OF TRAFFIC CONTROL BOX

LOCATION : BASE AT NE CORNER OF IL 25 (SE RIVER RD.) AND MILL ST.

LEGEND

xx.xx'

EXISTING LENGTH

==

PROPOSED SIDE CURB

()

EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



DETECTABLE WARNINGS



DEPRESSED CURB

REFERENCE BENCH MARK ELEV 622.00

BENCHMARK : SET X ON SW CORNER OF CONCRETE BASE OF TRAFFIC CONTROL BOX

LOCATION : BASE AT NE CORNER OF IL 25 (SE RIVER RD.) AND MILL ST.

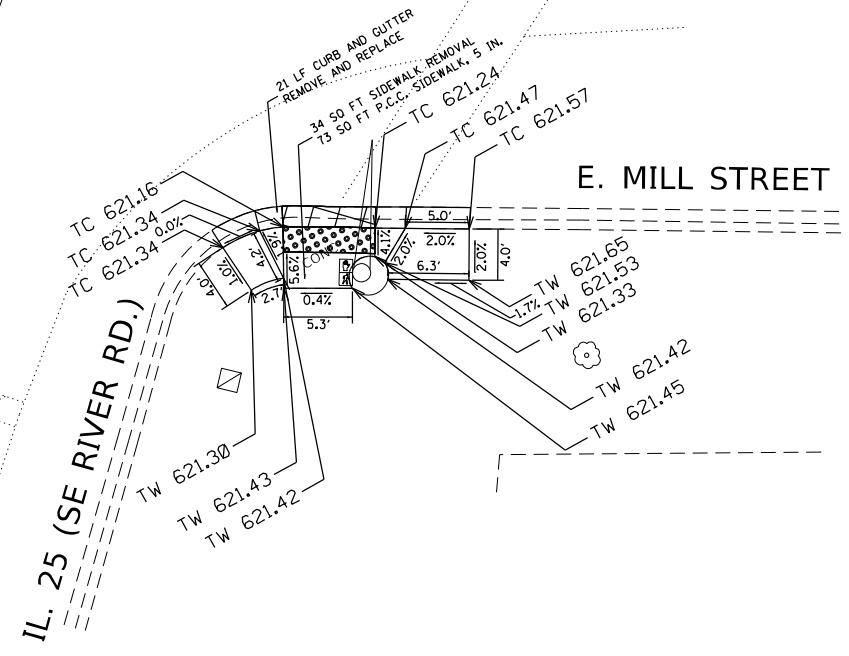
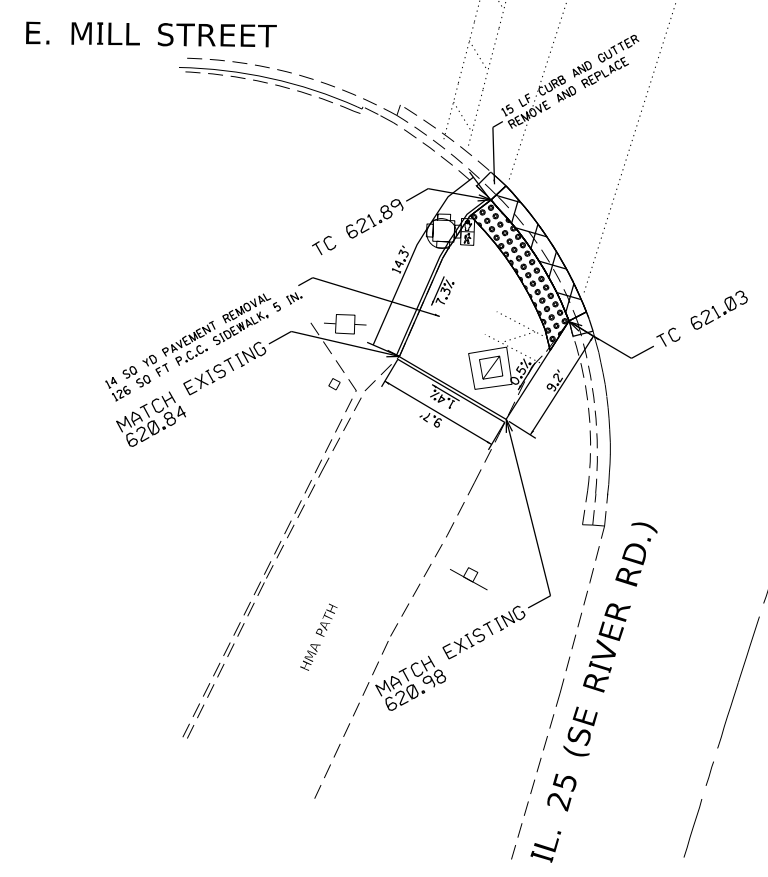
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| Default | PLOT SCALE = 15.0000' / in. | CHECKED - | REVISED - |
| | PLOT DATE = 9/3/2021 | DATE - | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA DETAILS (IL 53 AT BOUGHTON RD.—NW & NE CORNER)
FAU 2503 /IL 25—HAZEL AVE. TO KENDALL COUNTY LINE

SCALE: SHEET OF SHEETS STA. TO STA.

| | | | | |
|--------------------|-------------|--------|---------------------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 2503 | 2021-014-R5 | KANE | 35 | 12 |
| CONTRACT NO. 62N55 | | | ILLINOIS FED. AID PROJECT | |



REFERENCE BENCH MARK ELEV 622.00
 BENCHMARK : SET X ON SW CORNER OF CONCRETE BASE OF TRAFFIC CONTROL BOX
 LOCATION : BASE AT NE CORNER OF IL 25 (SE RIVER RD.) AND MILL ST.

LEGEND

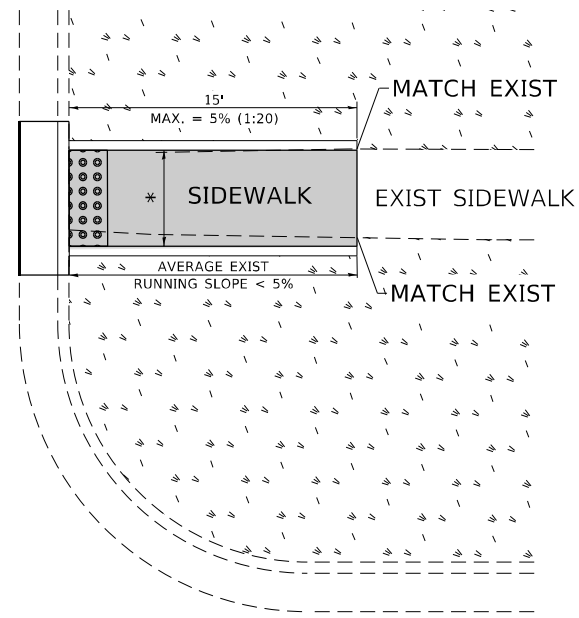
- xx.xx' EXISTING LENGTH
- PROPOSED SIDE CURB
- () EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- DEPRESSED CURB

REFERENCE BENCH MARK ELEV 622.00
 BENCHMARK : SET X ON SW CORNER OF CONCRETE BASE OF TRAFFIC CONTROL BOX
 LOCATION : BASE AT NE CORNER OF IL 25 (SE RIVER RD.) AND MILL ST.

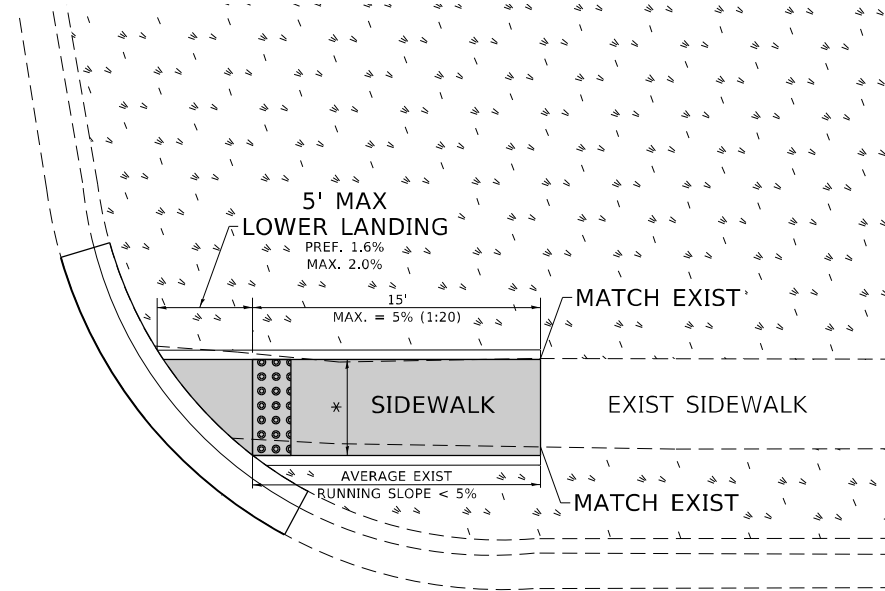
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| FILE NAME = | USER NAME = steedpo | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | ADA DETAILS (IL 53 AT BOUGHTON RD.—SW & SE CORNER) FAU 2503 /IL 25—HAZEL AVE. TO KENDALL COUNTY LINE | F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| pw:\idot-pw.bentley.com\PWIDOT\Documents\IDOT Offices\District 1\Projects\0110521\CAD\DRAWING\0110521-ADA.dgn | PLANNED | REVISION | REVISION | | | 2503 | 2021-014-R5 | KANE | 35 | 13 |
| Default | PLOT SCALE = 15.0000' / in. | CHECKED - | REVISED - | | | SCALE: SHEET OF SHEETS STA. TO STA. | | CONTRACT NO. 62N55 | | |
| | PLOT DATE = 8/13/2021 | DATE - | REVISED - | ILLINOIS FED. AID PROJECT | | | | | | |

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

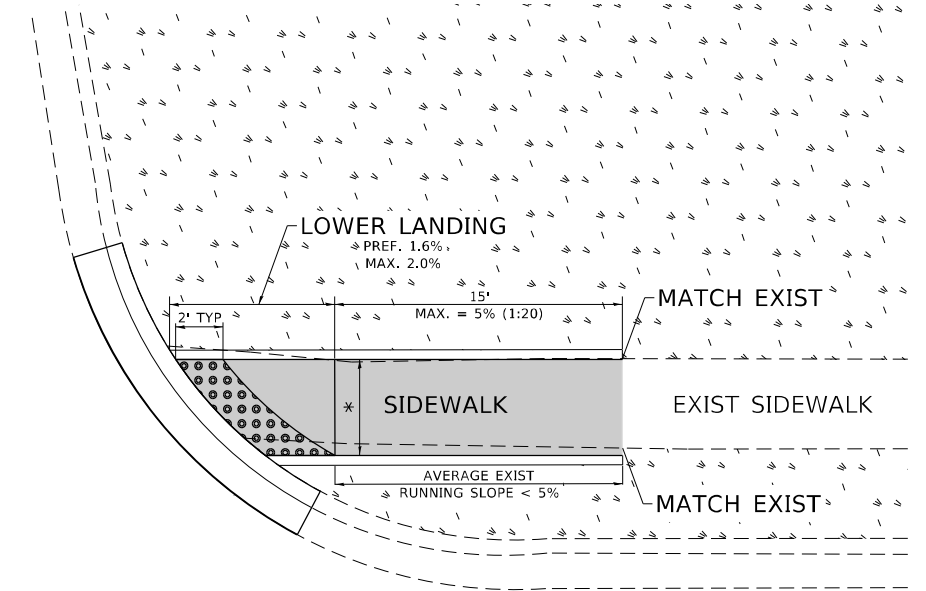
PD-01A



PD-01B



PD-01C



LEGEND

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

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: p:\pub\baronon.dwg
 PROJECT: 2021-014-RS
 SHEET: 14
 DATE: 8/10/2021

| | | |
|------------------------------|--------------------|-----------|
| USER NAME = steedpa | DESIGNED - | REVISED - |
| | DRAWN - R. LEDEZMA | REVISED - |
| PLOT SCALE = 100,0000' / in. | CHECKED - | REVISED - |
| PLOT DATE = 8/10/2021 | DATE - 10/02/2019 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

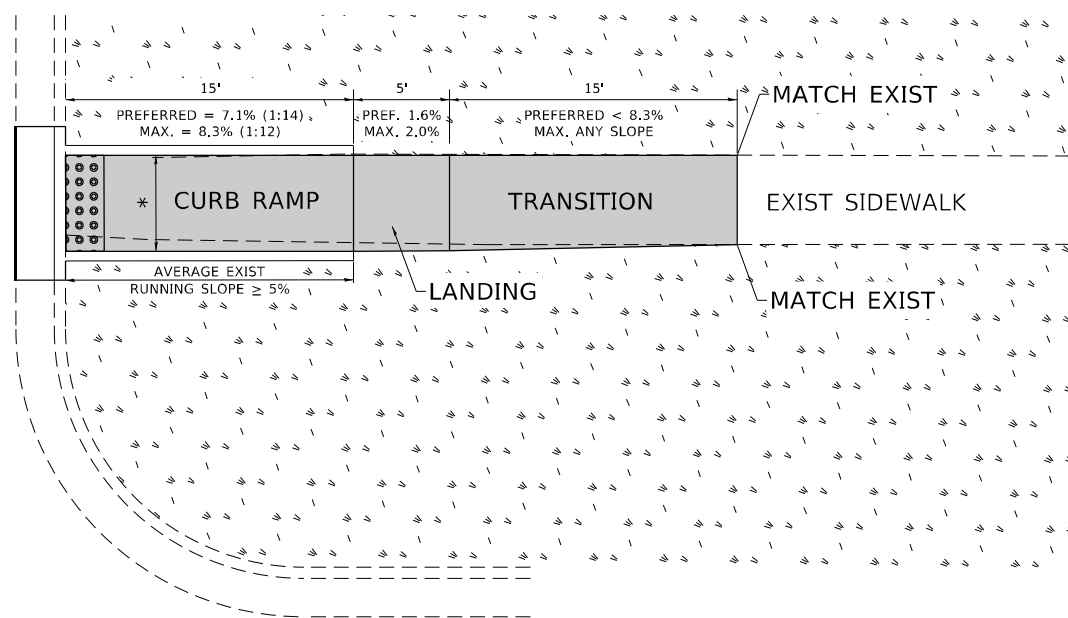
**PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS
(PD-01)**

SCALE: NONE SHEET OF SHEETS STA. TO STA.

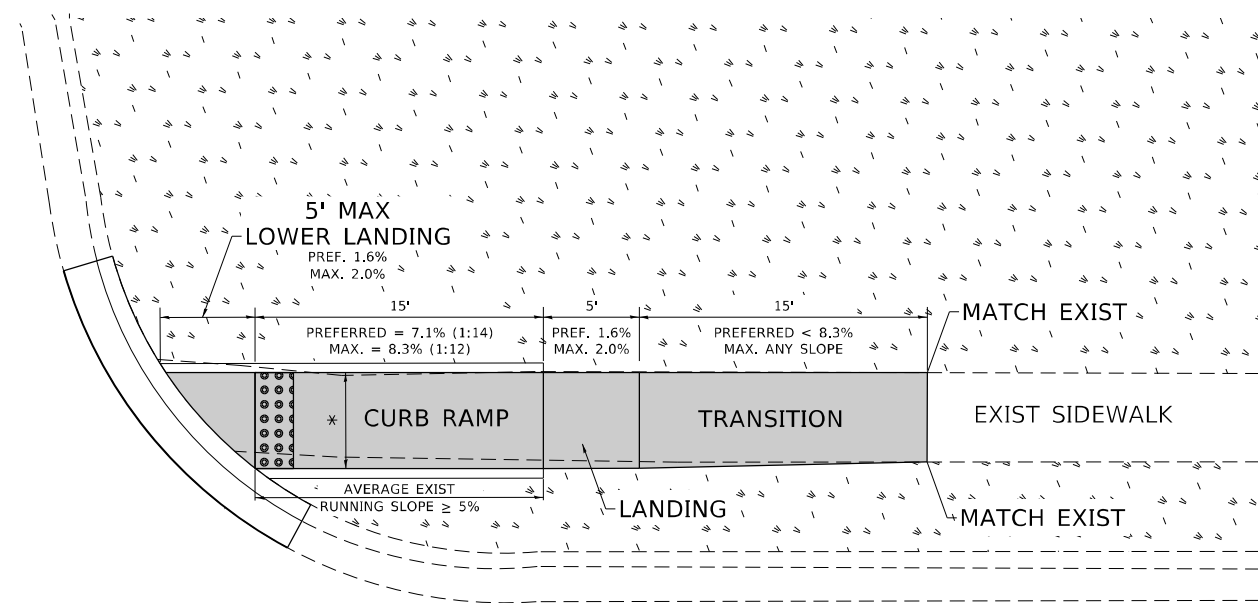
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|-------------|--------|--------------------|-----------|
| 2503 | 2021-014-RS | KANE | 35 | 14 |
| PD-01 | | | CONTRACT NO. 62N55 | |
| ILLINOIS FED. AID PROJECT | | | | |

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

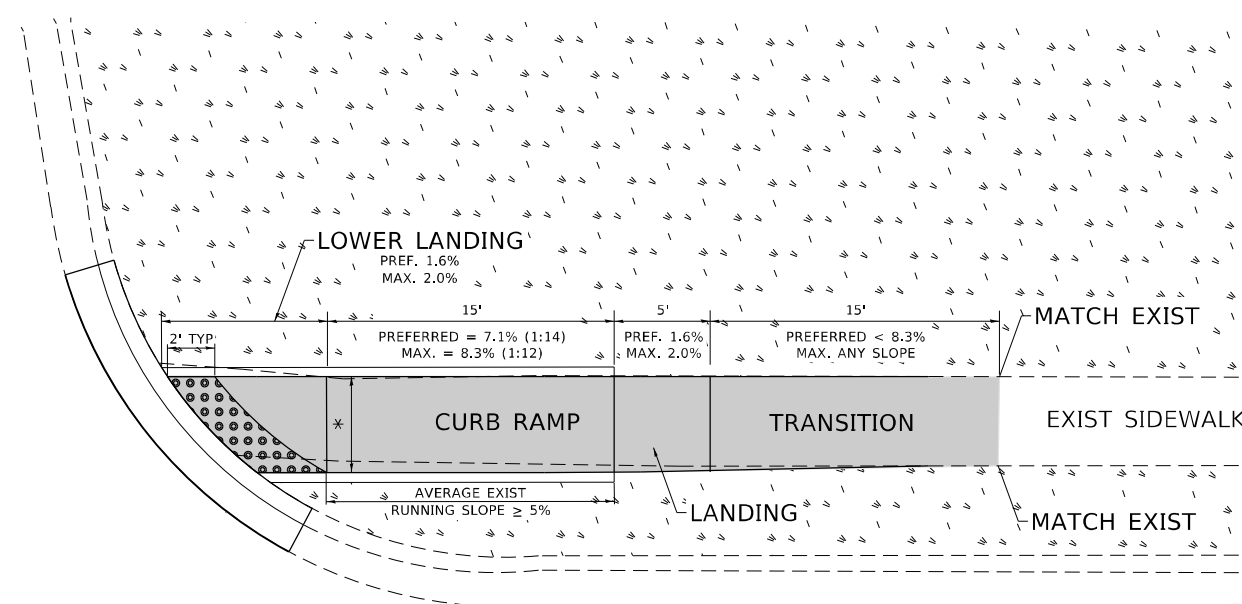
PD-02A



PD-02B



PD-02C



LEGEND

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

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

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS
(PD-02)**

SCALE: NONE SHEET OF SHEETS STA. TO STA.

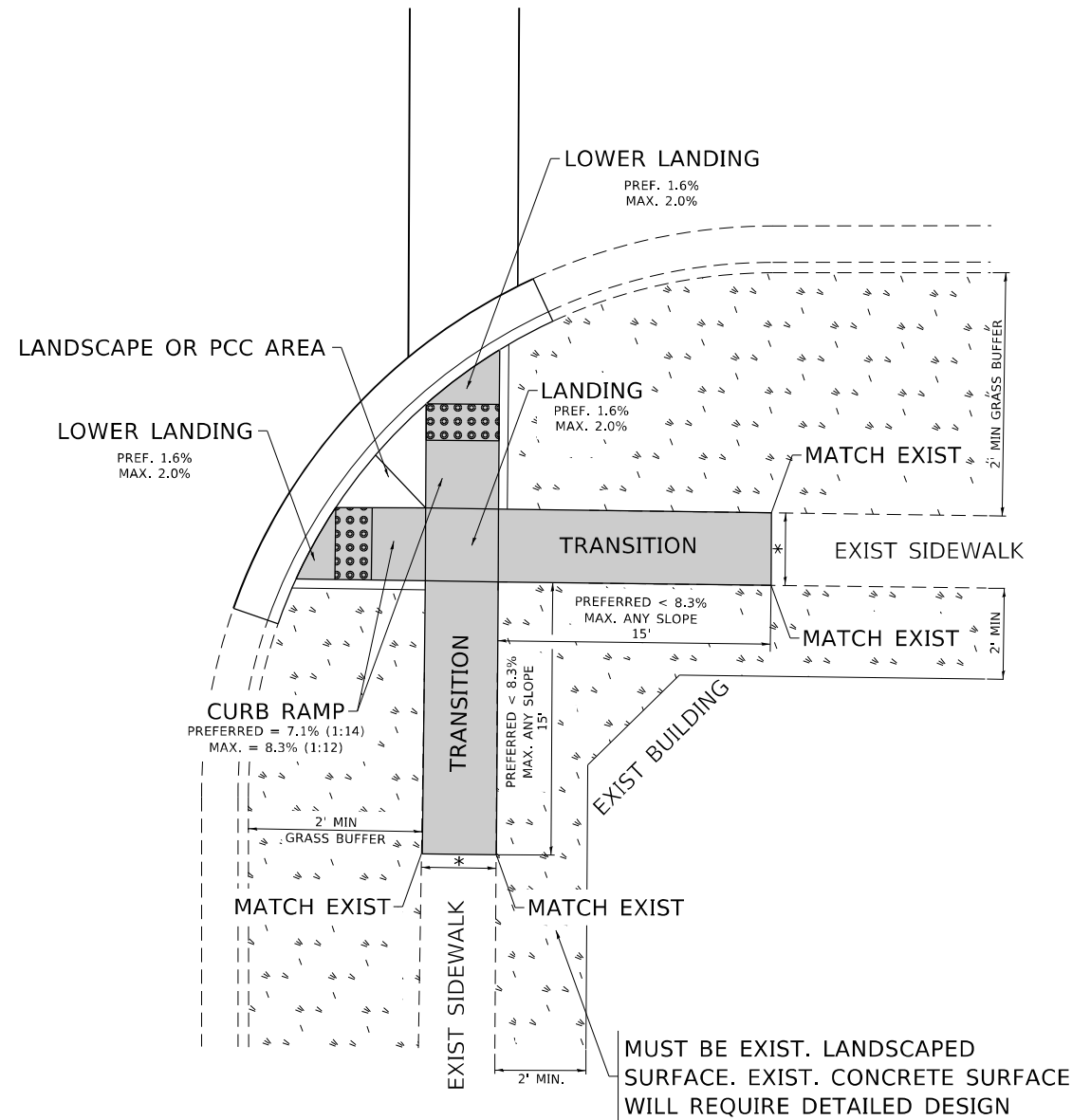
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| USER NAME = steedpa | DESIGNED - | REVISED - |
| PLOT SCALE = 100,0000' / in. | DRAWN - R. LEDEZMA | REVISED - |
| PLOT DATE = 8/10/2021 | CHECKED - | REVISED - |
| | DATE - 10/02/2019 | REVISED - |

| | | | | |
|---------------------------|-------------|--------------------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
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| PD-02 | | CONTRACT NO. 62N55 | | |
| ILLINOIS FED. AID PROJECT | | | | |

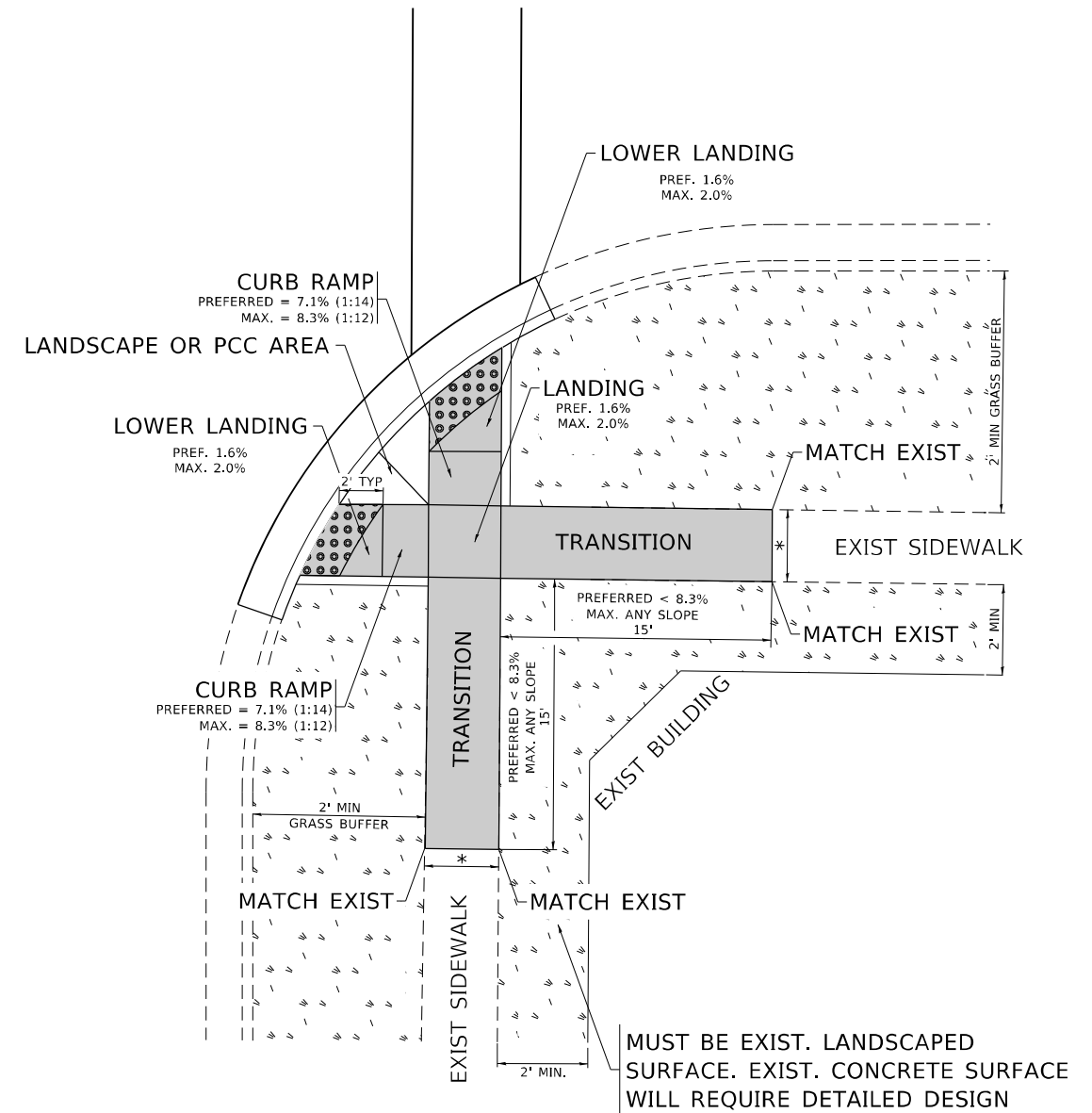
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ADA DETAIL FOR DOUBLE PERPENDICULAR CURB RAMPS

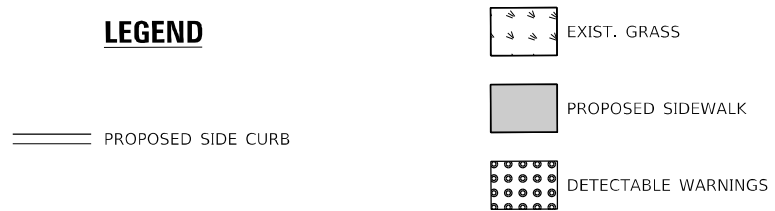
PD-03A



PD-03B



LEGEND



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

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 PROJECT: PD-03A
 PROJECT ID: 10521
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| | | |
|------------------------------|--------------------|-----------|
| USER NAME = steedpa | DESIGNED - | REVISED - |
| | DRAWN - R. LEDEZMA | REVISED - |
| PLOT SCALE = 100,0000' / in. | CHECKED - | REVISED - |
| PLOT DATE = 8/10/2021 | DATE - 10/02/2019 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

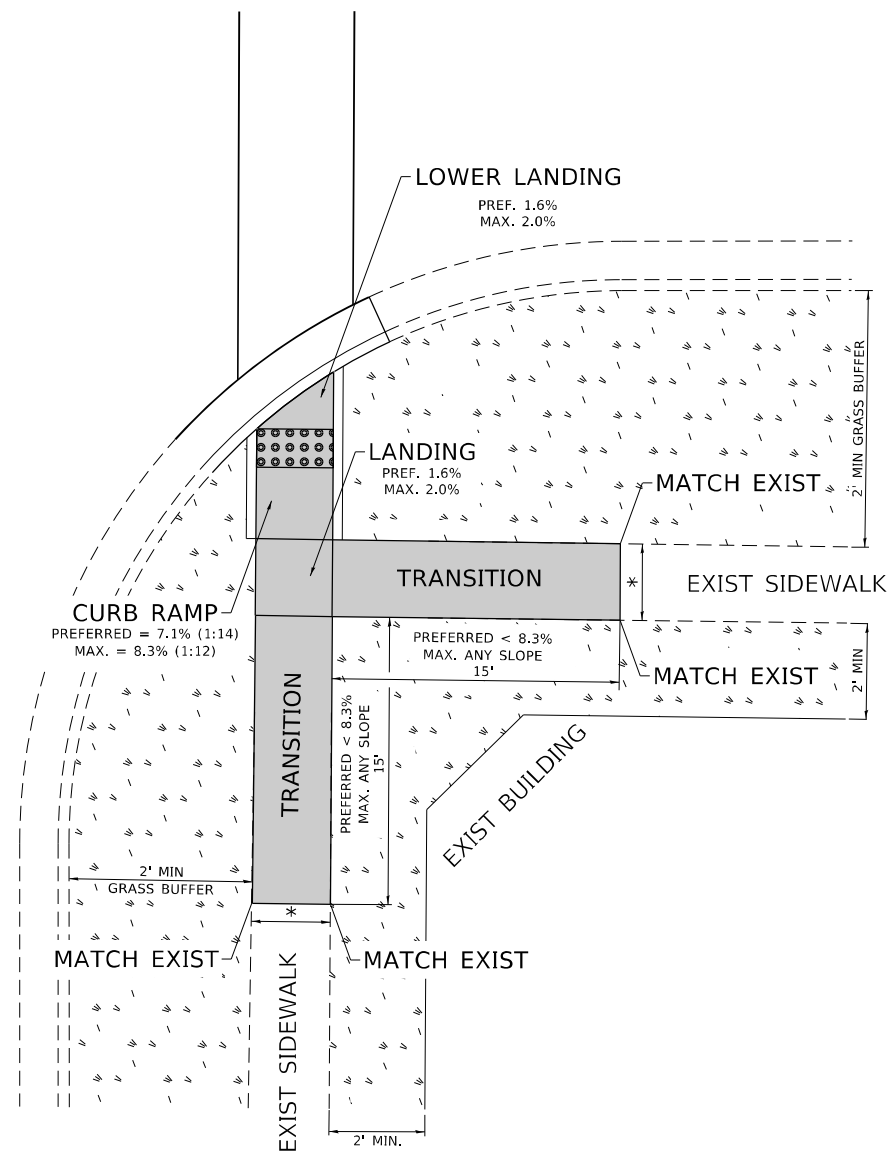
**PROJECT DETAIL FOR DOUBLE PERPENDICULAR CURB RAMPS
(PD-03)**

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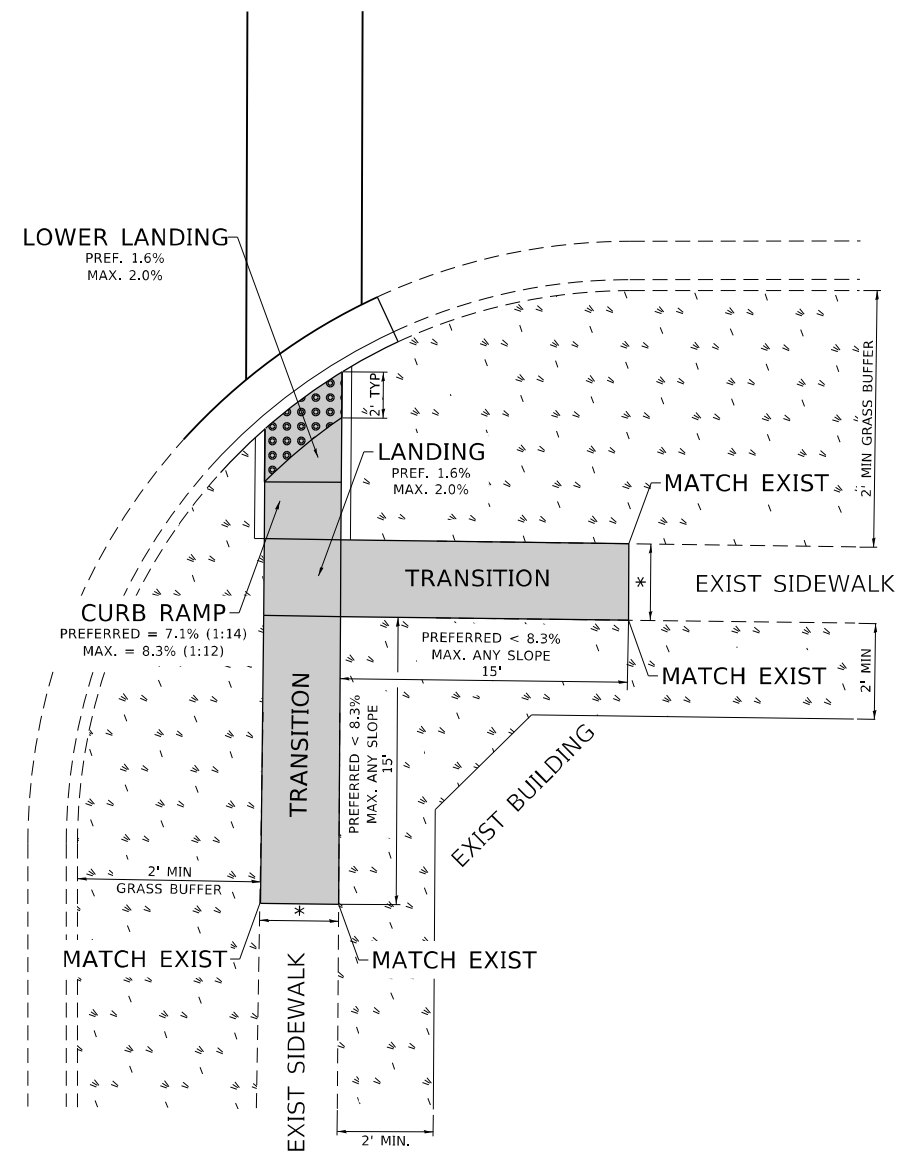
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|---------------------------|-------------|--------------------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 2503 | 2021-014-RS | KANE | 35 | 16 |
| PD-03 | | CONTRACT NO. 62N55 | | |
| ILLINOIS FED. AID PROJECT | | | | |

ADA DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS W/ TURNING SPACE

PD-04A



PD-04B



LEGEND

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

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: p:\pub\baronm.dwg
 PROJECT: 2021-014-RS
 PROJECT DATE: 8/10/2021
 USER: steedpa
 DATE: 10/02/2019

| | | |
|------------------------------|--------------------|-----------|
| USER NAME = steedpa | DESIGNED - | REVISED - |
| | DRAWN - R. LEDEZMA | REVISED - |
| PLOT SCALE = 100,0000' / in. | CHECKED - | REVISED - |
| PLOT DATE = 8/10/2021 | DATE - 10/02/2019 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

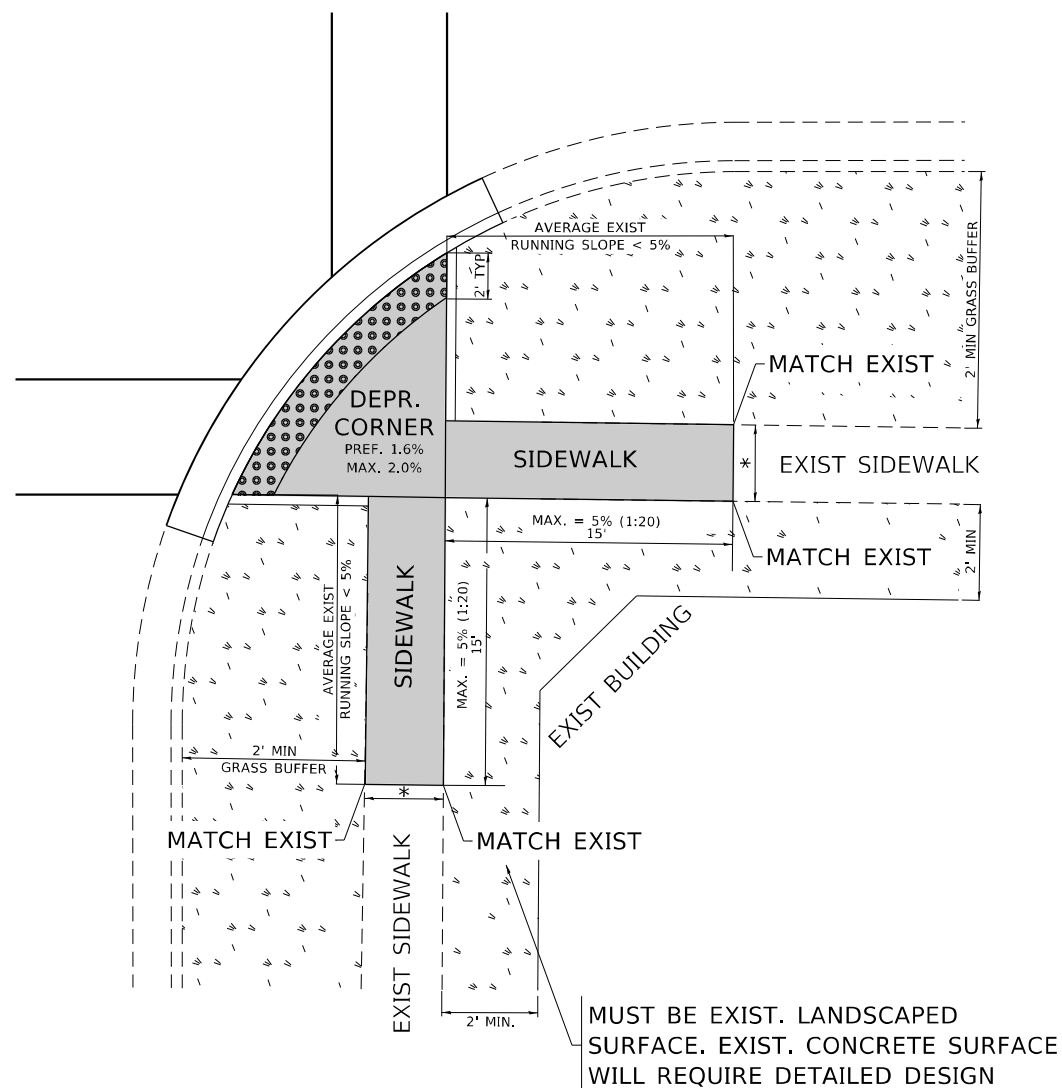
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TURNING SPACE (PD-04)**

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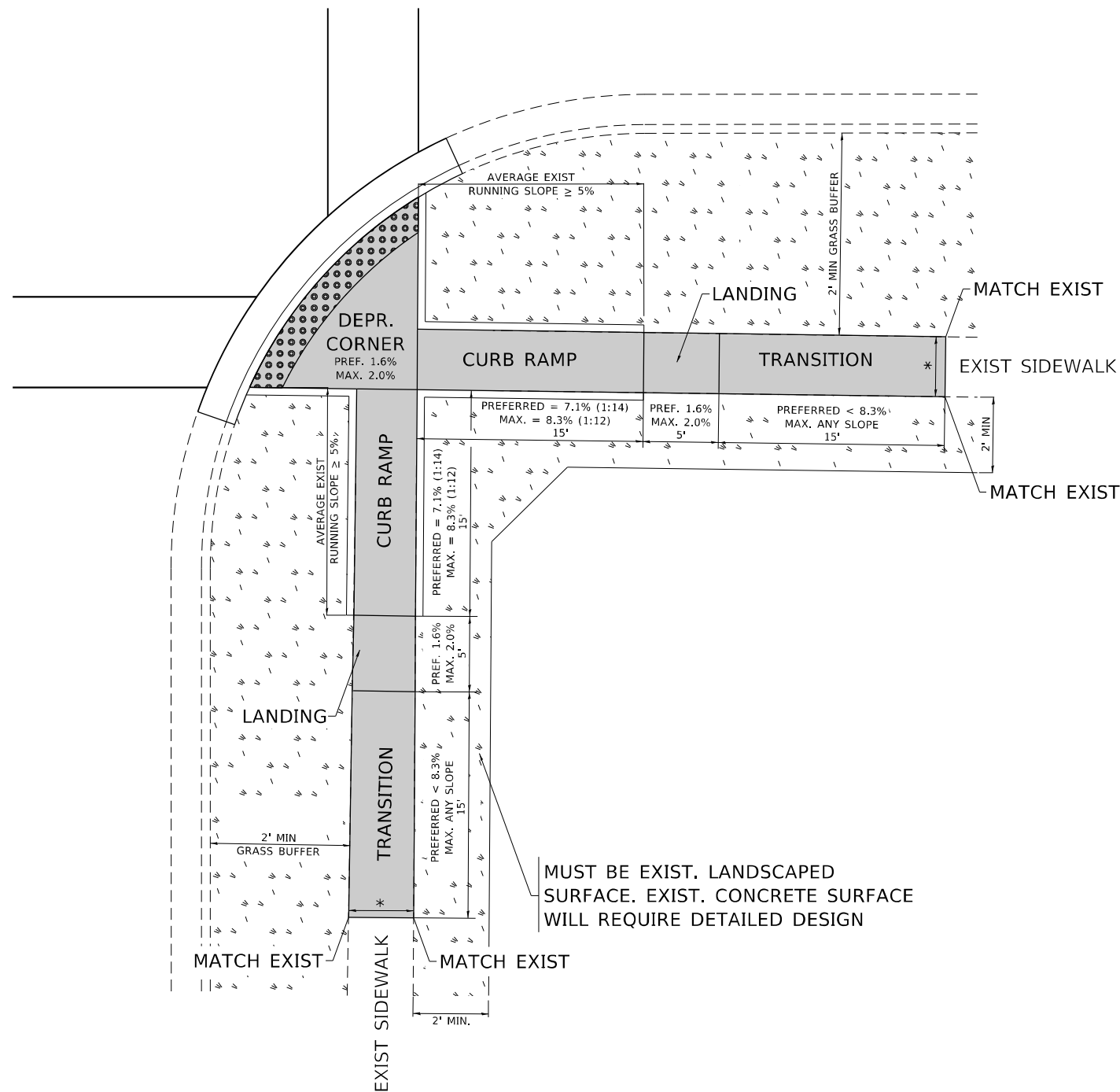
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| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 2503 | 2021-014-RS | KANE | 35 | 17 |
| PD-04 | | CONTRACT NO. 62N55 | | |
| ILLINOIS FED. AID PROJECT | | | | |

ADA DETAIL FOR DEPRESSED CORNER CURB RAMPS

PD-05A



PD-05B



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

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PROJECT: PD-05A
PROJECT DATE: 8/10/2021
PROJECT LOCATION: ILLINOIS
PROJECT DESCRIPTION: PD-05A
PROJECT DRAWN BY: R. LEDEZMA
PROJECT CHECKED BY: R. LEDEZMA
PROJECT DATE: 10/02/2019

| | | |
|------------------------------|--------------------|-----------|
| USER NAME = steedpa | DESIGNED - | REVISED - |
| | DRAWN - R. LEDEZMA | REVISED - |
| PLOT SCALE = 100,0000' / in. | CHECKED - | REVISED - |
| PLOT DATE = 8/10/2021 | DATE - 10/02/2019 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

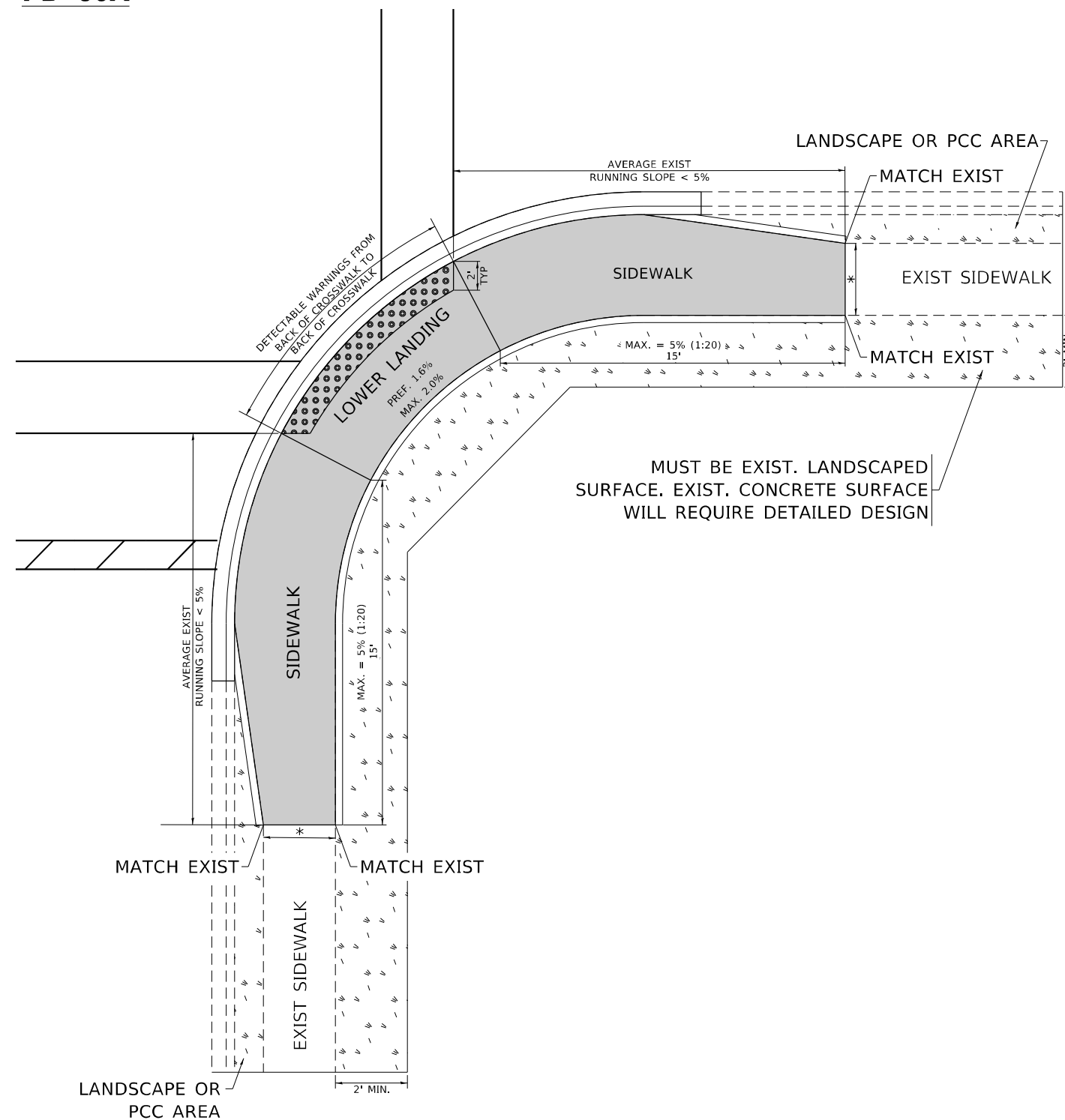
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(PD-05)**

SCALE: NONE SHEET OF SHEETS STA. TO STA.

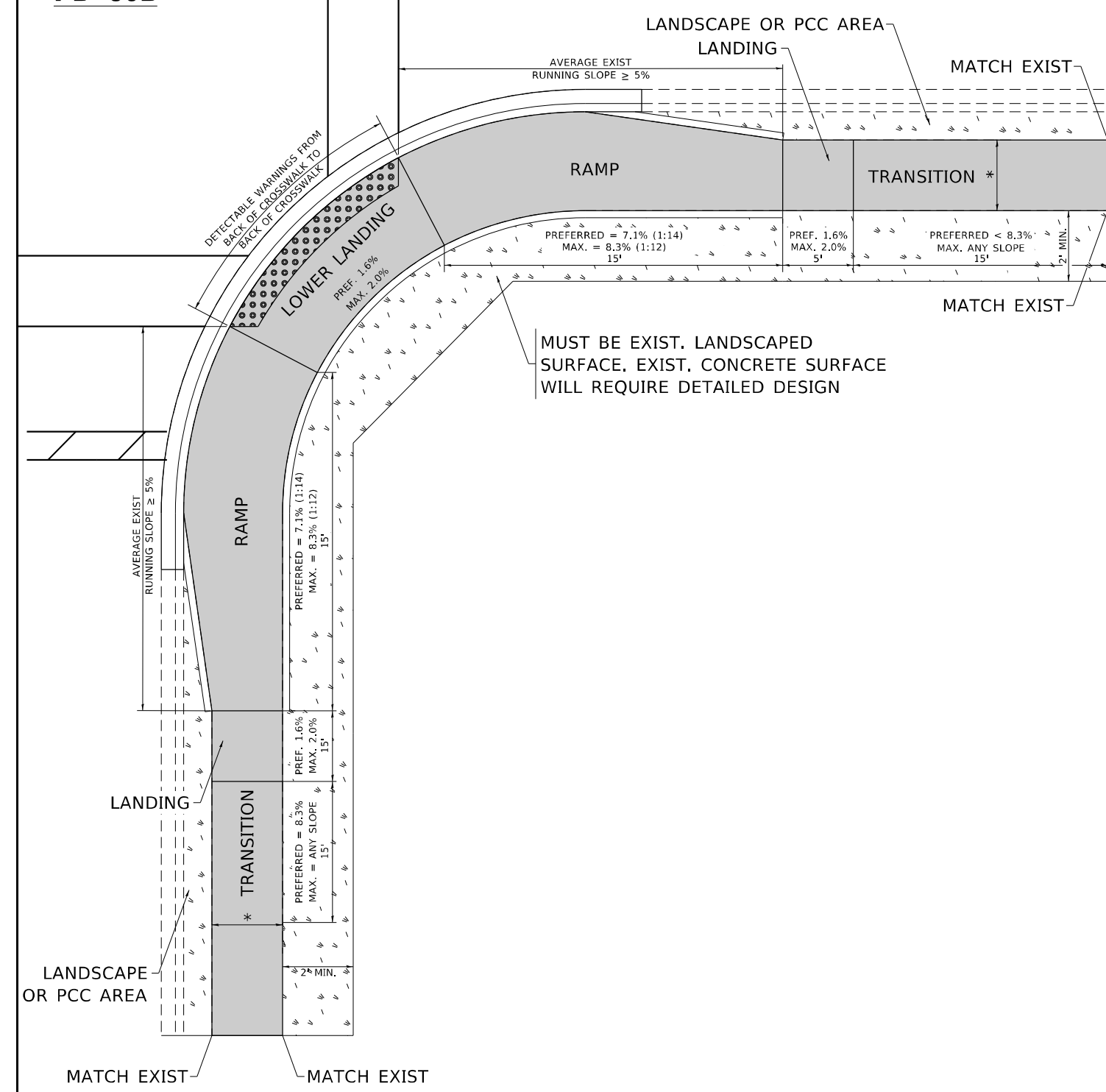
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| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 2503 | 2021-014-RS | KANE | 35 | 18 |
| PD-05 | | CONTRACT NO. 62N55 | | |
| ILLINOIS FED. AID PROJECT | | | | |

ADA DETAIL FOR PARALLEL CURB RAMPS ADJACENT TO LANDSCAPING

PD-06A



PD-06B



LEGEND

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

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

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DRAWN: R. LEDEZMA
CHECKED: [blank]
DATE: 10/02/2019

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| USER NAME = steedpa | DESIGNED - | REVISED - |
| | DRAWN - R. LEDEZMA | REVISED - |
| PLOT SCALE = 100,0000' / in. | CHECKED - | REVISED - |
| PLOT DATE = 8/10/2021 | DATE - 10/02/2019 | REVISED - |

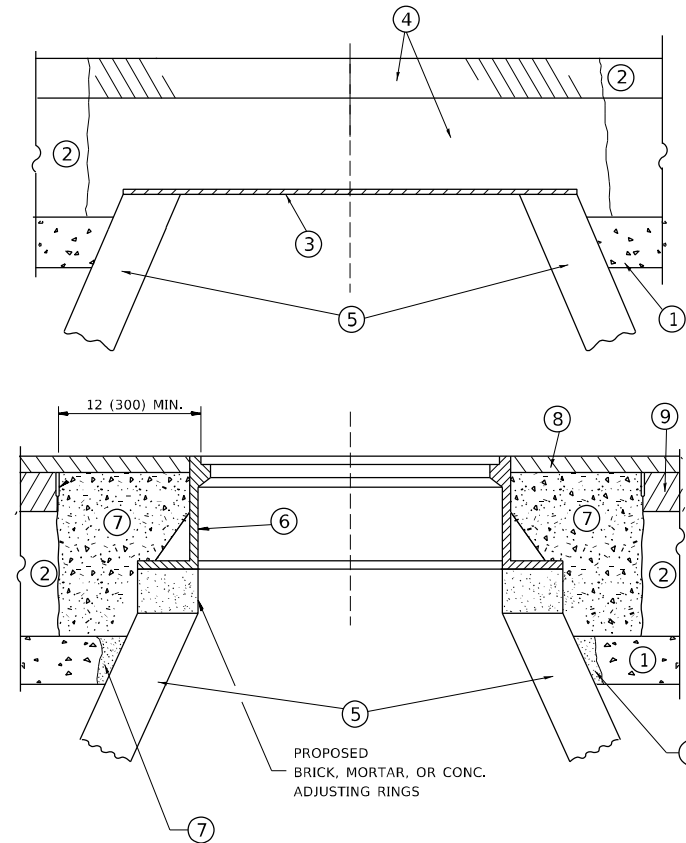
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROJECT DETAIL FOR PARALLEL CURB RAMPS
(PD-06)**

SCALE: NONE SHEET OF SHEETS STA. TO STA.

| | | | | |
|------------------|---------------|------------------|-----------------|--------------|
| F.A.U. RTE. 2503 | SECTION PD-06 | COUNTY KANE | TOTAL SHEETS 35 | SHEET NO. 19 |
| ILLINOIS | | FED. AID PROJECT | | |

CONTRACT NO. 62N55



NOTES

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.

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.

CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.

THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

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.

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 A MINIMUM 1½ (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

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

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

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).*

THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.

NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

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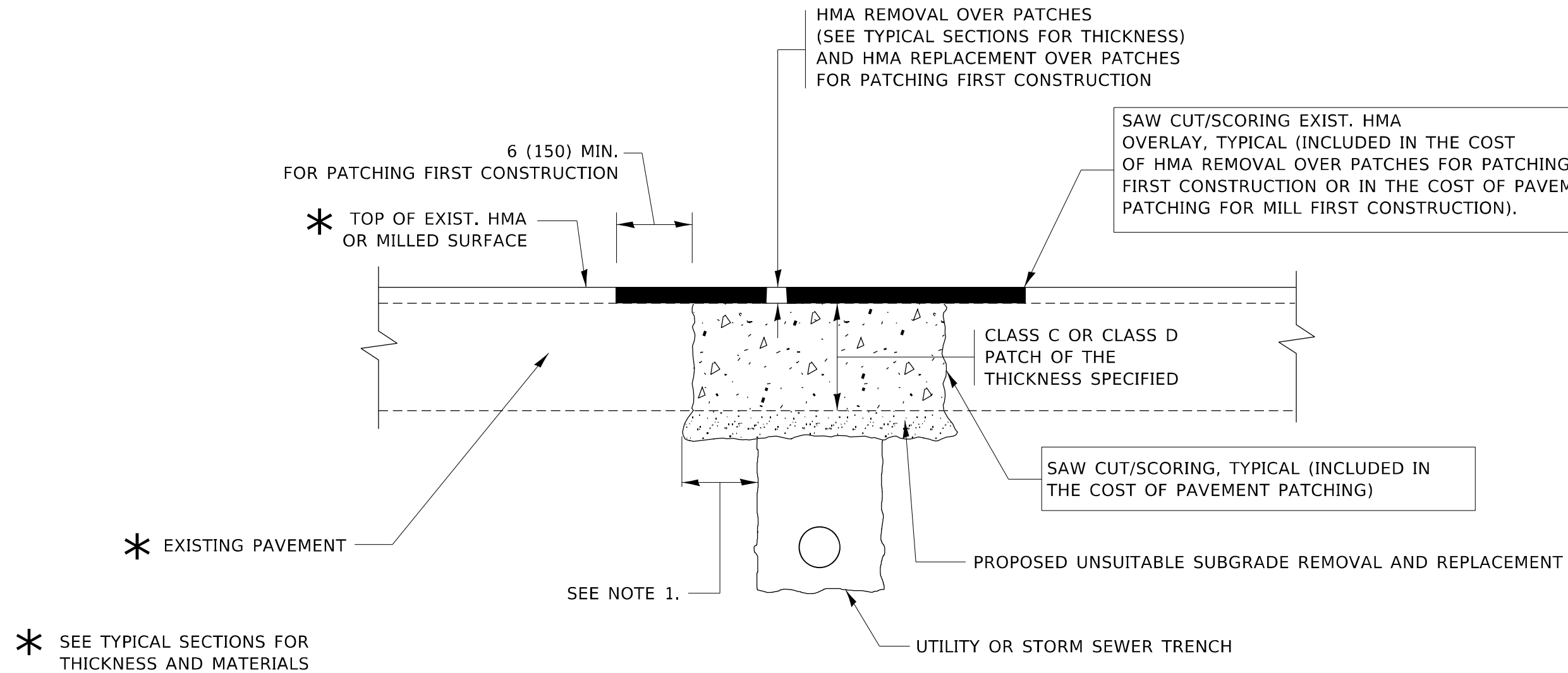
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| | DRAWN - | REVISED - R. BORO 01-01-07 |
| PLOT SCALE = 100,0000' / in. | CHECKED - | REVISED - R. BORO 03-09-11 |
| PLOT DATE = 8/10/2021 | DATE - 10-25-94 | REVISED - R. BORO 12-06-11 |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

| | | | | |
|------------------------|-------------|--------------------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 2503 | 2021-014-RS | KANE | 35 | 20 |
| BD600-03 (BD-8) | | CONTRACT NO. 62N55 | | |
| ILLINOIS | | FED. AID PROJECT | | |



NOTES:

1. THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH SHALL BE 12 (300) WIDER ON EACH SIDE OF THE TRENCH.
2. FOR METHOD OF MEASUREMENT AND BASIS OF PAYMENT, SEE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

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.

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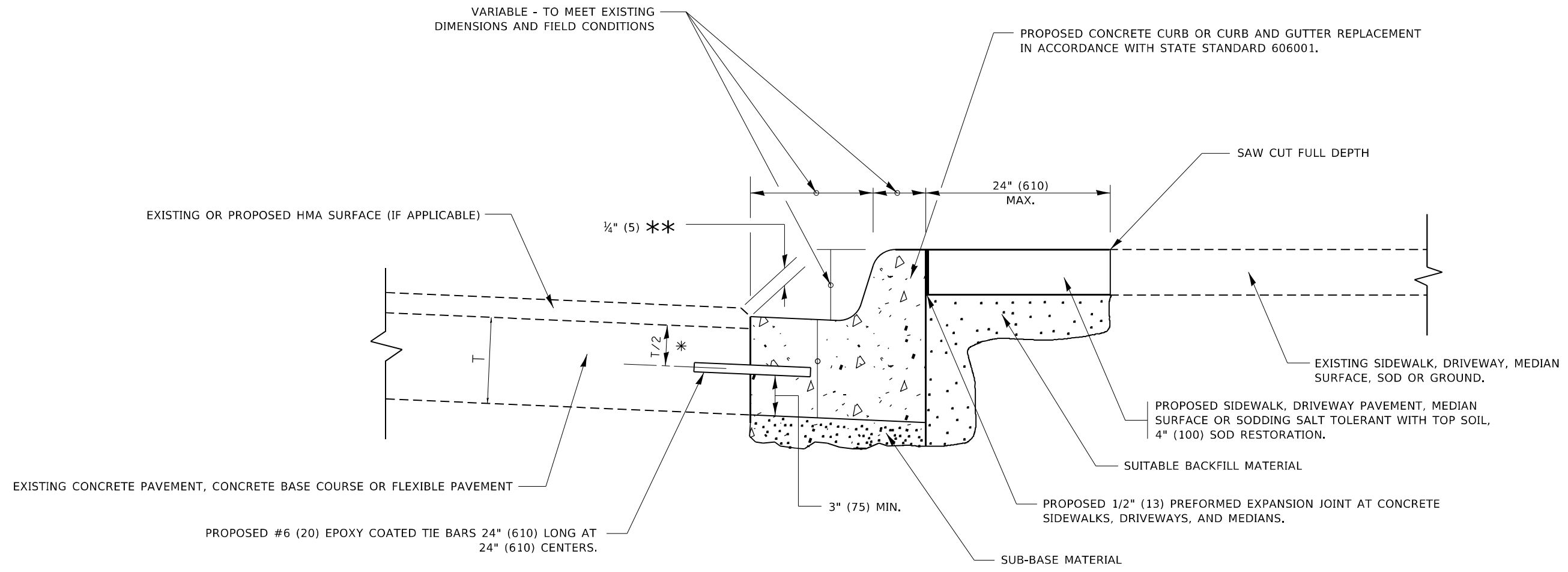
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| USER NAME = steedpa | DESIGNED - R. SHAH | REVISED - A. ABBAS 04-27-98 |
| | DRAWN - | REVISED - R. BORO 01-01-07 |
| PLOT SCALE = 100,0000' / in. | CHECKED - | REVISED - R. BORO 09-04-07 |
| PLOT DATE = 8/10/2021 | DATE - 10-25-94 | REVISED - K. ENG 10-27-08 |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT PATCHING FOR
HMA SURFACED PAVEMENT**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|-------------|--------------------|--------------|-----------|
| 2503 | 2021-014-RS | KANE | 35 | 21 |
| BD400-04 (BD-22) | | CONTRACT NO. 62N55 | | |
| 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.

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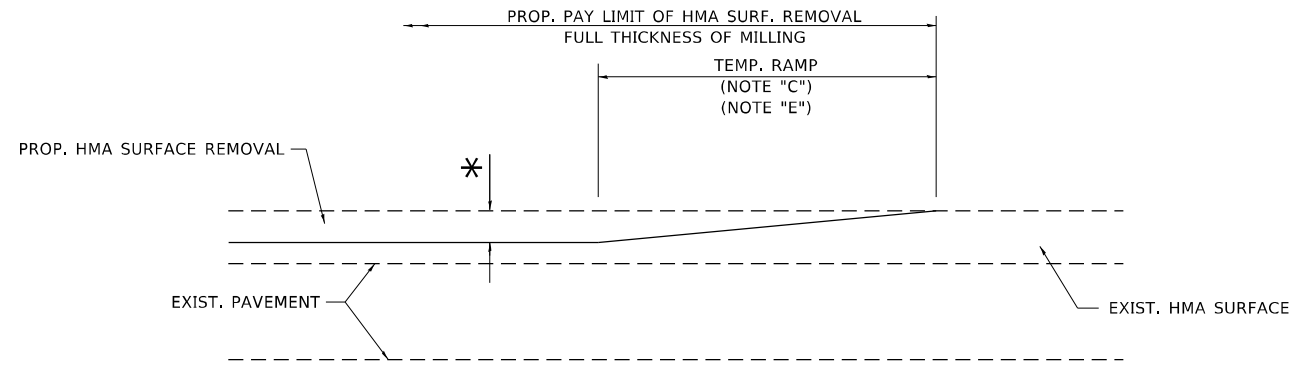
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| USER NAME = steedpa | DESIGNED - A. HOUSEH | REVISED - A. ABBAS 03-21-97 |
| | DRAWN - | REVISED - M. GOMEZ 01-22-01 |
| PLOT SCALE = 100,0000 ' / in. | CHECKED - | REVISED - R. BORO 12-15-09 |
| PLOT DATE = 8/10/2021 | DATE - 03-11-94 | REVISED - K. SMITH 07-11-19 |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CURB OR CURB AND GUTTER
REMOVAL AND REPLACEMENT

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

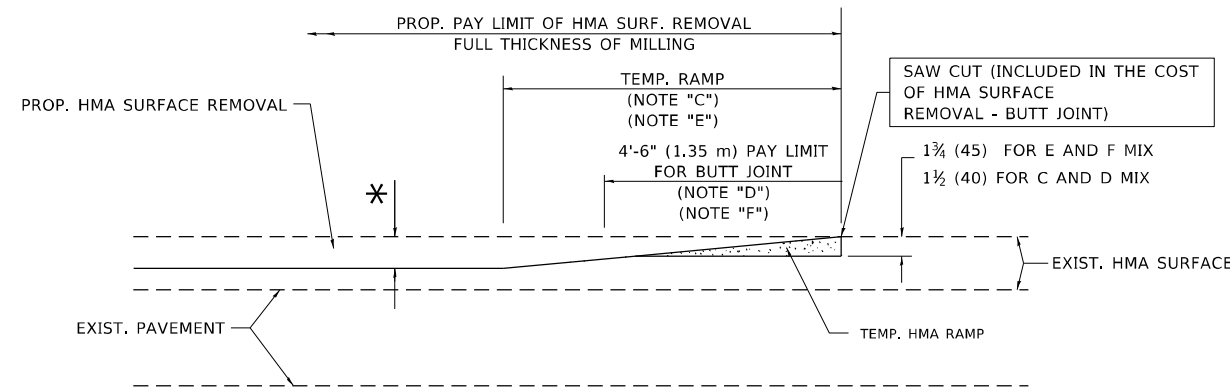
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| 2503 | 2021-014-RS | KANE | 35 | 22 |
| BD600-06 (BD-24) | | CONTRACT NO. 62N55 | | |
| ILLINOIS FED. AID PROJECT | | | | |



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

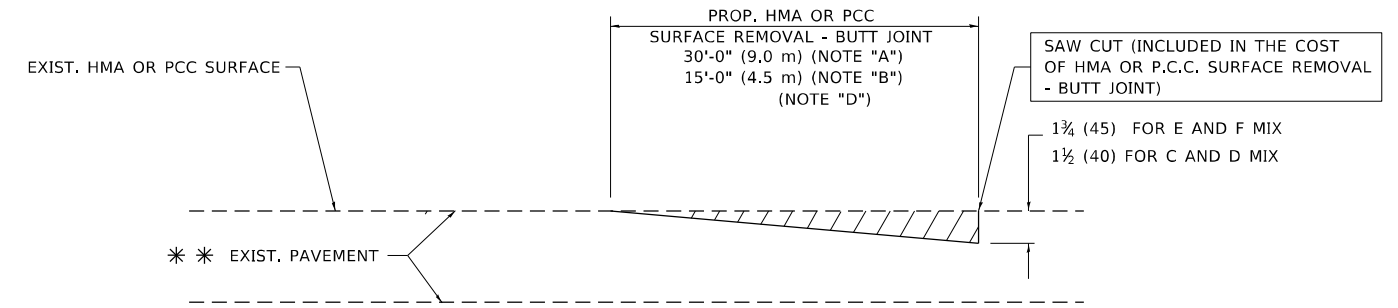


HMA CONSTRUCTED TEMPORARY RAMP

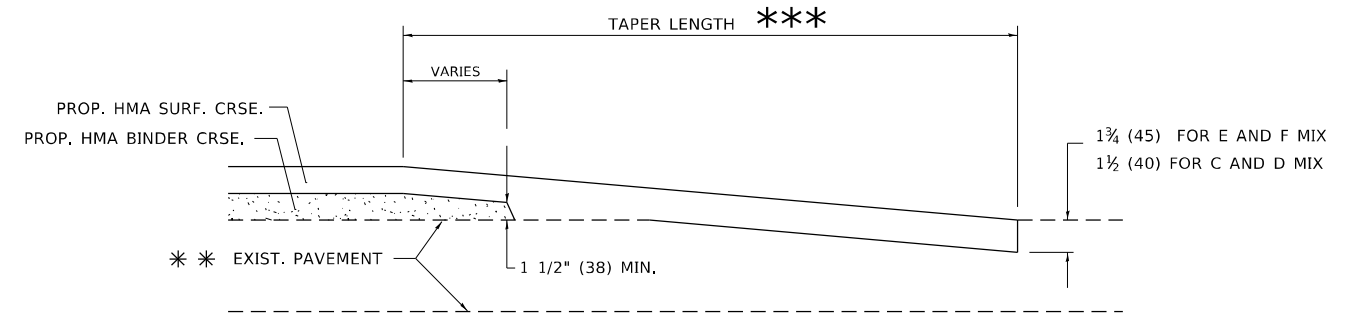
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

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.

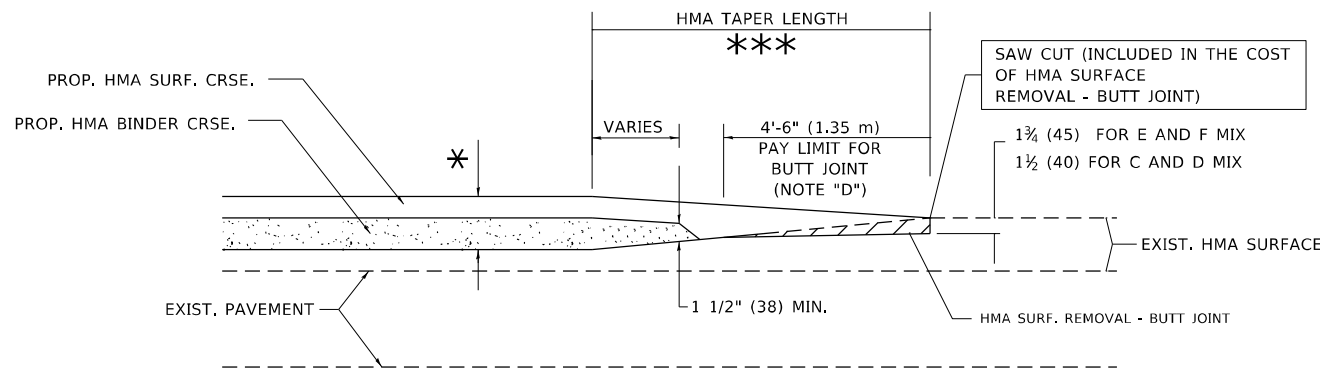
NOTES

- A. MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
- 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'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
- F. INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT.
* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- G. 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

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".

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



BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

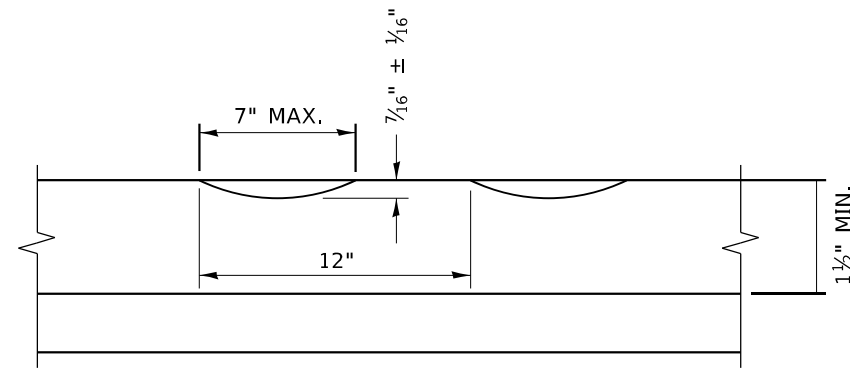
BUTT JOINT AND
HMA TAPER DETAILS

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

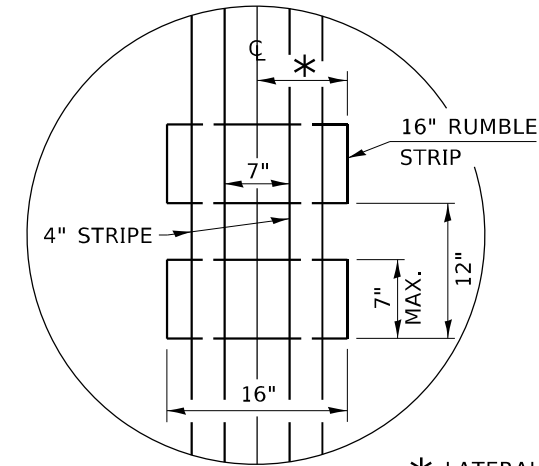
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| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 2503 | 2021-014-RS | KANE | 35 | 23 |
| BD400-05 BD32 | | CONTRACT NO. 62N55 | | |
| ILLINOIS FED. AID PROJECT | | | | |

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| USER NAME = steedpa | DESIGNED - M. DE YONG | REVISED - R. SHAH 10-25-94 |
| PLOT SCALE = 100,0000' / in. | DRAWN - | REVISED - A. ABBAS 03-21-97 |
| PLOT DATE = 8/10/2021 | CHECKED - | REVISED - M. GOMEZ 04-06-01 |
| | DATE - 06-13-90 | REVISED - R.BORO 01-01-07 |

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SECTION A-A



* LATERAL DEVIATION SHALL NOT EXCEED ONE INCH IN 100 FEET.

DETAIL B

GENERAL NOTES

CENTERLINE RUMBLE STRIPS SHALL BE CONSTRUCTED ACCORDING TO SECTION 642 ALONG THE CENTERLINE OF PAVEMENT.

SEE STANDARD 780001 FOR OTHER STRIPING LAYOUTS. RUMBLE STRIPS SHALL NOT BE PLACED ON BRIDGES.

ALL RUMBLE STRIPS SHALL BE MILLED.

CENTERLINE RUMBLE STRIPS SHALL BE CONTINUOUS THROUGH CONNECTIONS OF SIDEROADS WITH NO LEFT TURN LANES.

DISCONTINUE CENTERLINE RUMBLE STRIPS THROUGH THE LIMITS OF ALL LEFT TURN LANES, INCLUDING ANY LANE TAPER SECTIONS.

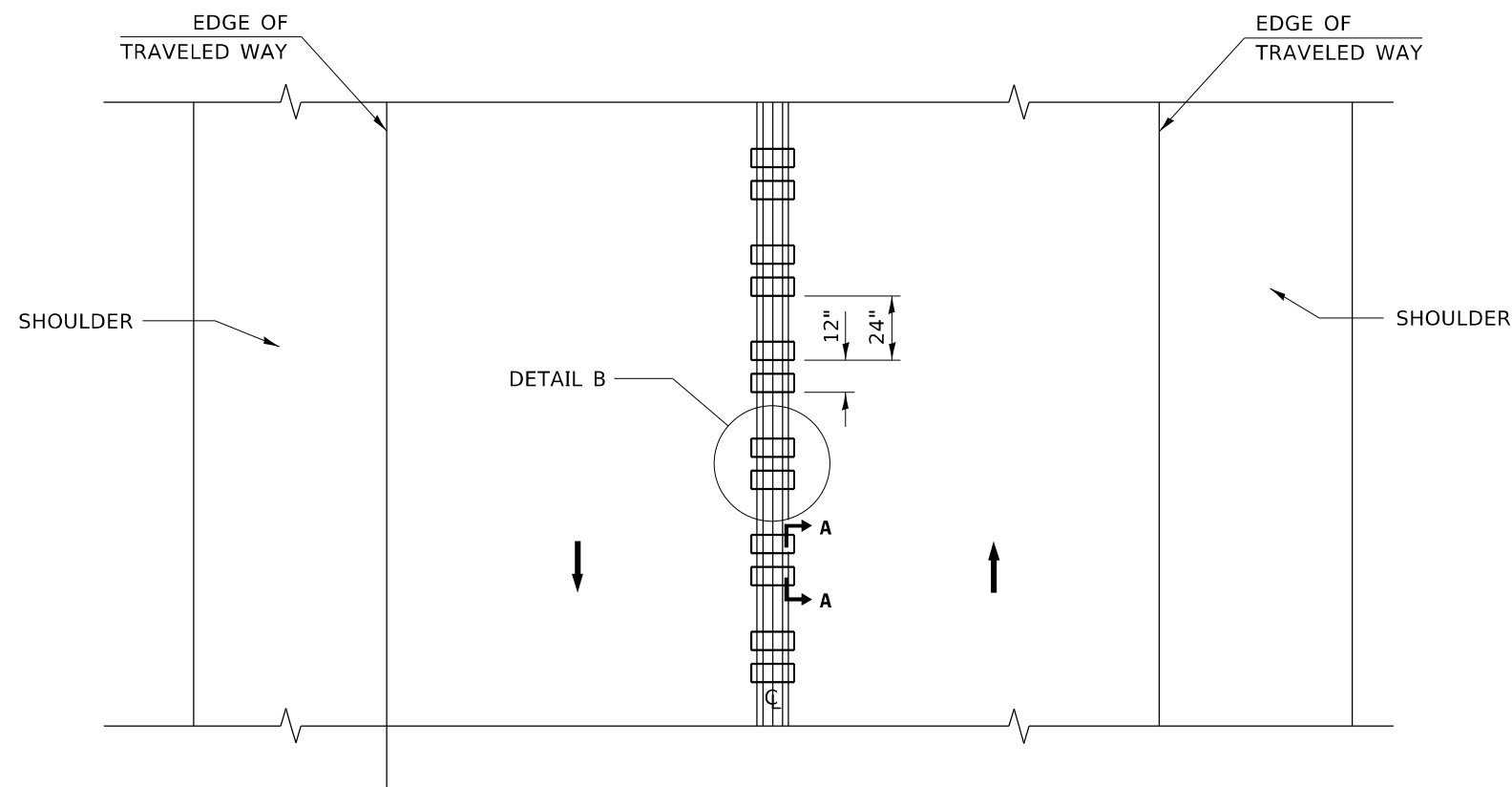
AFTER RUMBLE STRIPS ARE INSTALLED, THE PAVEMENT SURFACE SHALL BE SWEEPED CLEAN PRIOR TO THE PLACEMENT OF THE NEW PAVEMENT MARKINGS.

WHERE USED, ADJUST SPACING OF RAISED REFLECTIVE PAVEMENT MARKERS TO FALL IN WIDER GAP BETWEEN RUMBLE STRIPS.

BASIS OF PAYMENT

THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR CENTERLINE-RUMBLE STRIP OF THE WIDTH SPECIFIED.

HOT-SPRAY THERMOPLASTIC PAVEMENT MARKING WILL BE USED OVER THE RUMBLE STRIPS, AND WILL BE PAID FOR SEPARATELY.



TWO-WAY ROAD

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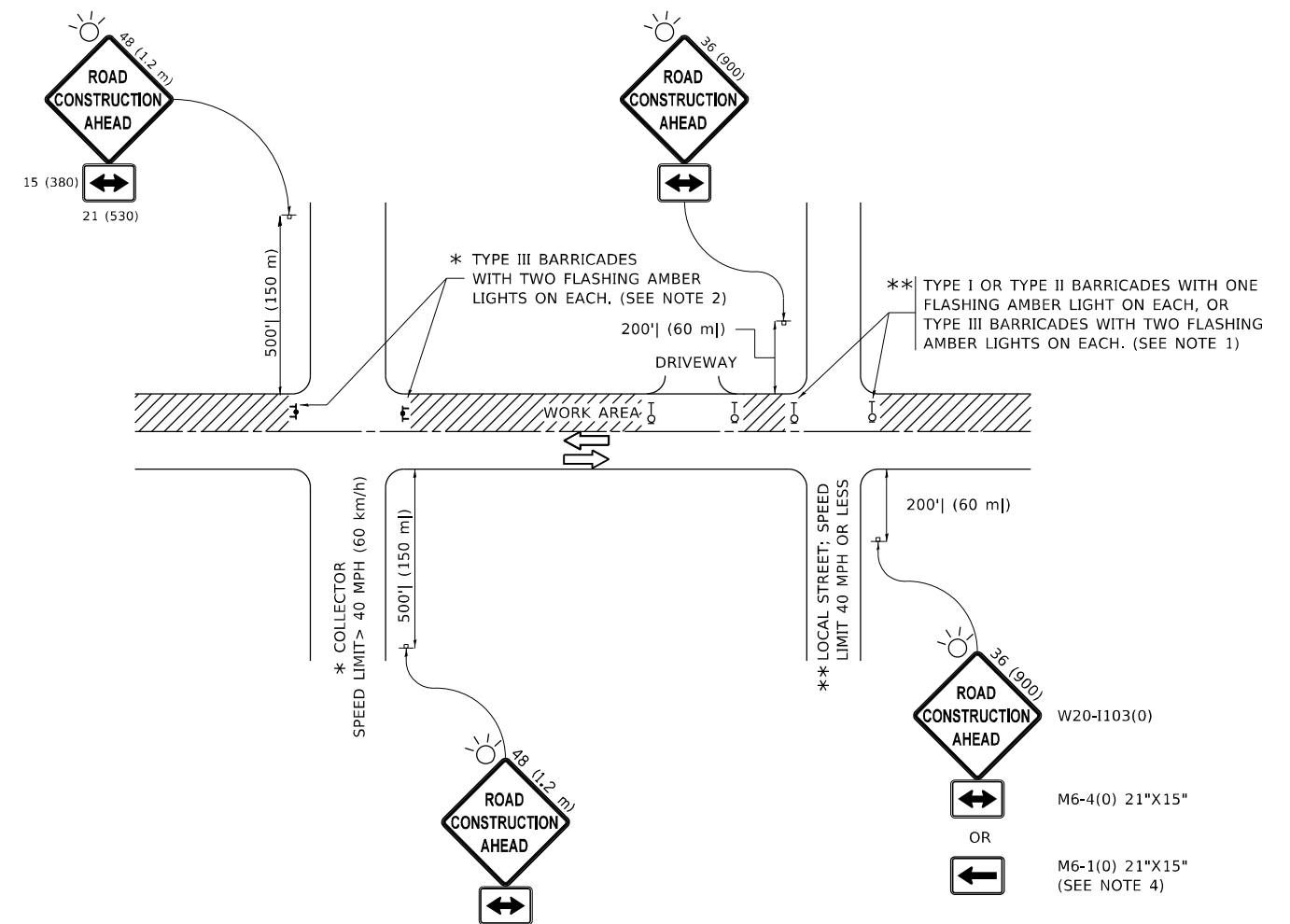
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| | DRAWN - | REVISED - |
| PLOT SCALE = 100,0000' / in. | CHECKED - | REVISED - |
| PLOT DATE = 8/10/2021 | DATE - 08-06-2012 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

RUMBLE STRIPS FOR CENTERLINE, NON-FREEWAY

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

| | | | | |
|---------------------------|-------------|--------------------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 2503 | 2021-014-RS | KANE | 35 | 24 |
| BD 55 | | CONTRACT NO. 62N55 | | |
| ILLINOIS FED. AID PROJECT | | | | |



NOTES:

1. 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:
 - a) 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.
 - b) 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.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) 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.
 - b) BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. 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.
4. SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
5. 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.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. 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.

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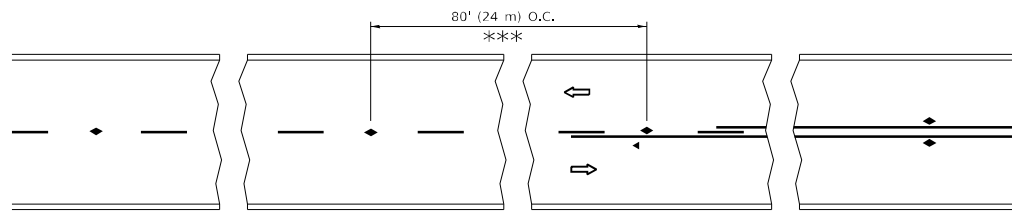
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| USER NAME = steedpa | DESIGNED - L.H.A. | REVISED - A. HOUSEH 10-15-96 |
| PLOT SCALE = 100,0000' / in. | CHECKED - | REVISED - T. RAMMACHER 01-06-00 |
| PLOT DATE = 8/10/2021 | DATE - 06-89 | REVISED - A. SCHUETZE 07-01-13 |
| | | REVISED - A. SCHUETZE 09-15-16 |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

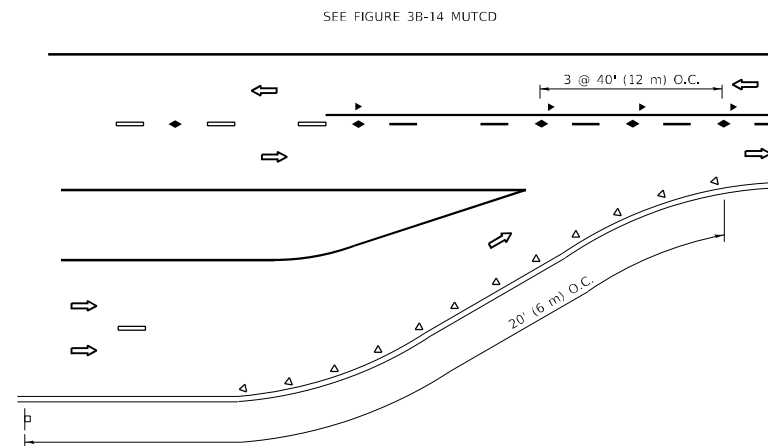
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|-------------|--------------------|--------------|-----------|
| 2503 | 2021-014-RS | KANE | 35 | 25 |
| TC-10 | | CONTRACT NO. 62N55 | | |
| ILLINOIS FED. AID PROJECT | | | | |

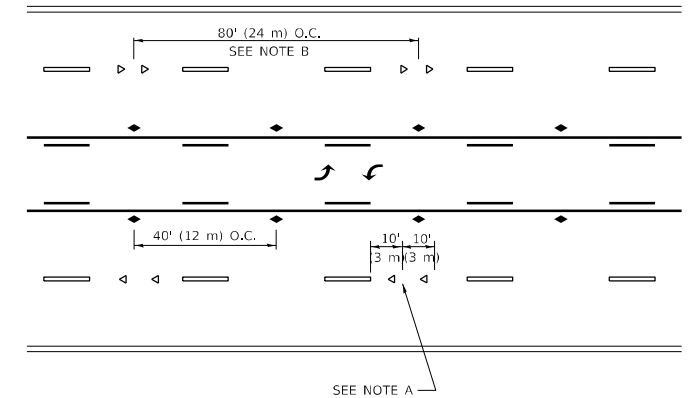


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

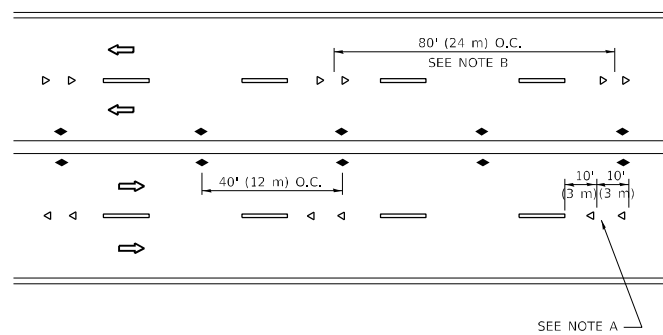
TWO-LANE/TWO-WAY



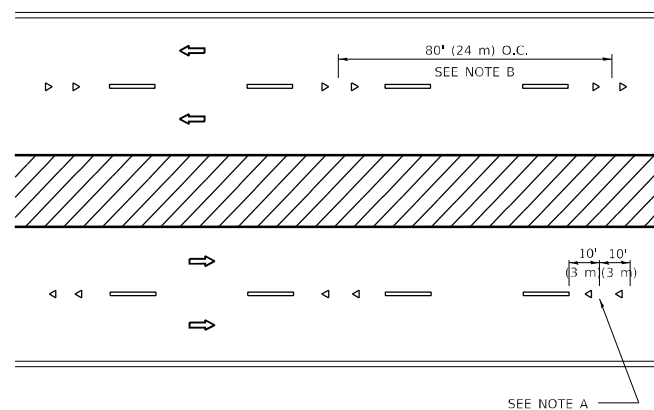
LANE REDUCTION TRANSITION



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

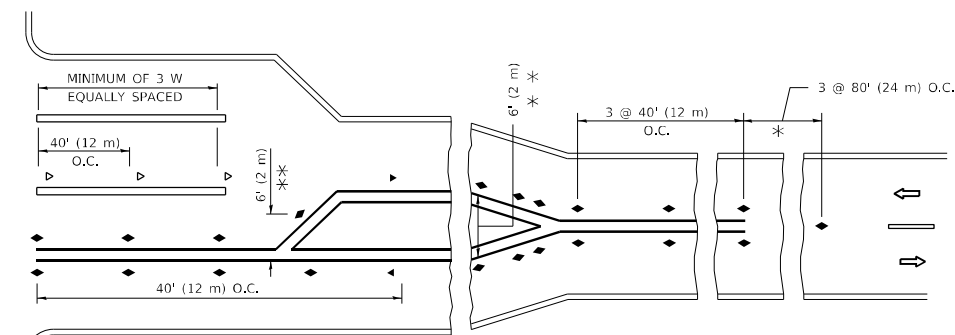
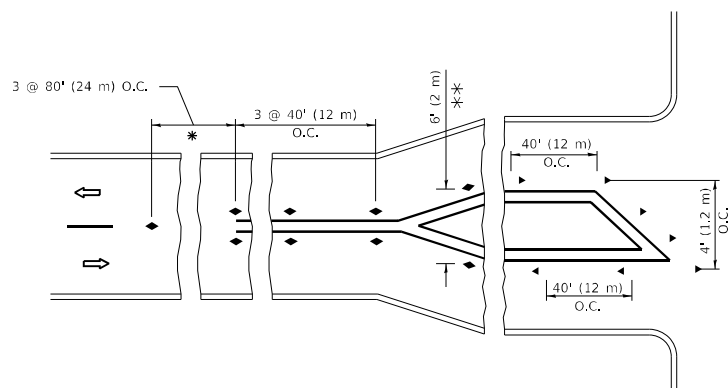
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

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.



TURN LANES

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

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

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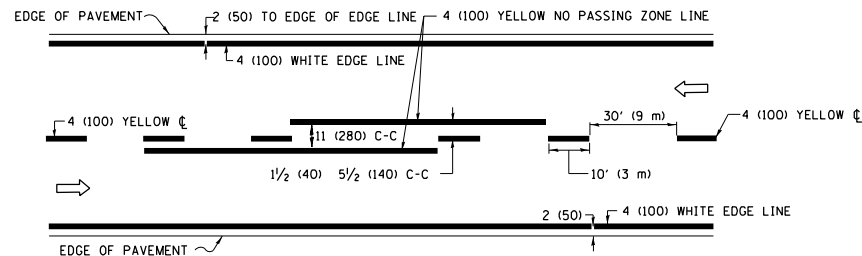
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| | DRAWN - | REVISED - T. RAMMACHER 01-06-00 |
| PLOT SCALE = 100,0000' / in. | CHECKED - | REVISED - C. JUCIUS 09-09-09 |
| PLOT DATE = 8/10/2021 | DATE - | REVISED - C. JUCIUS 07-01-13 |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

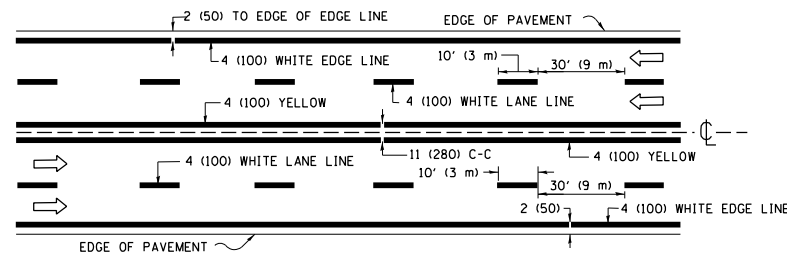
**TYPICAL APPLICATIONS
 RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

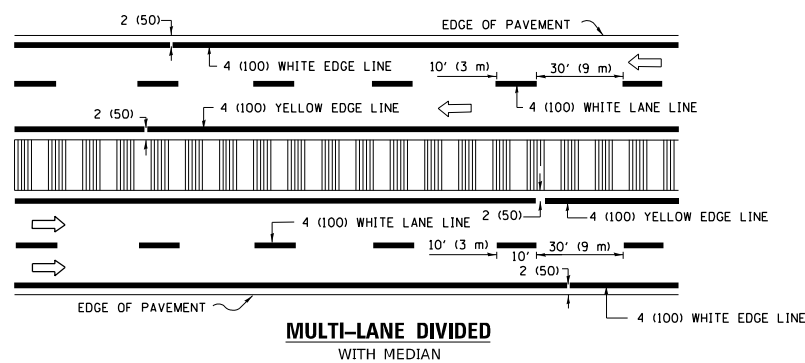
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|-------------|--------------------|--------------|-----------|
| 2503 | 2021-014-RS | KANE | 35 | 26 |
| TC-11 | | CONTRACT NO. 62N55 | | |
| ILLINOIS FED. AID PROJECT | | | | |



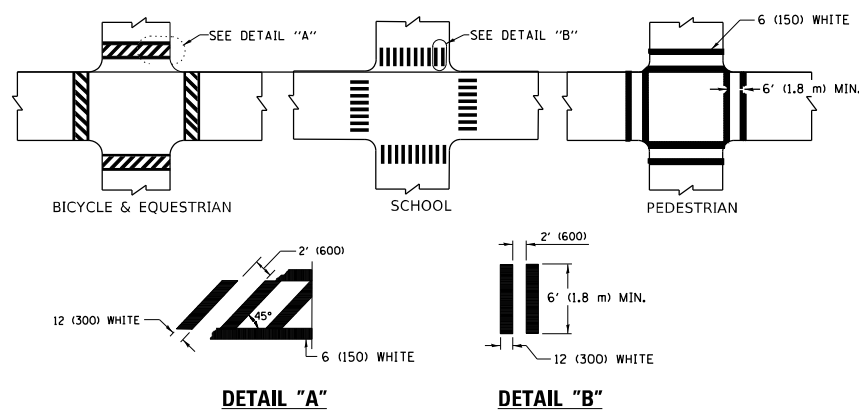
2-LANE ROADWAY



MULTI-LANE UNDIVIDED

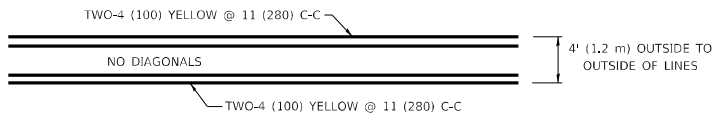


TYPICAL LANE AND EDGE LINE MARKING

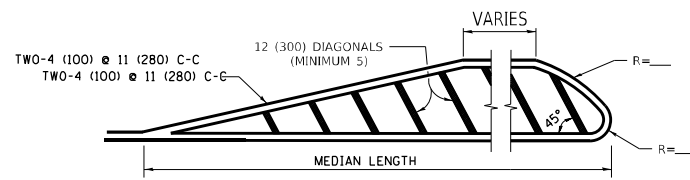


TYPICAL CROSSWALK MARKING

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

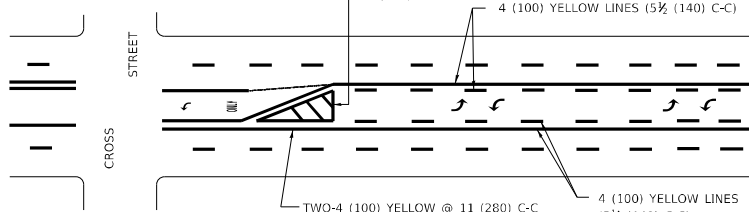


4' (1.2 m) WIDE MEDIANS ONLY



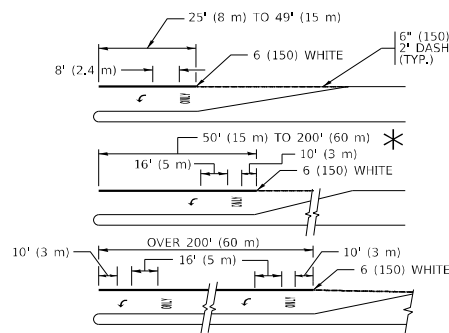
MEDIANS OVER 4' (1.2 m) WIDE

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

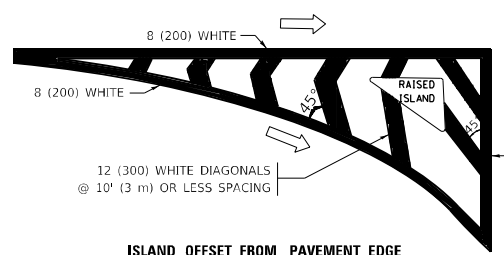
TYPICAL PAINTED MEDIAN MARKING



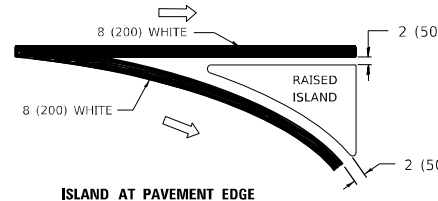
TYPICAL LEFT (OR RIGHT) TURN LANE

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".

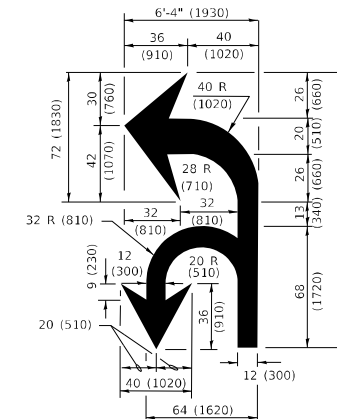


ISLAND OFFSET FROM PAVEMENT EDGE

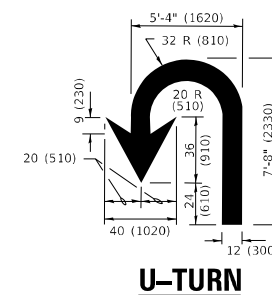


ISLAND AT PAVEMENT EDGE

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 | 2 @ 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" IS 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.

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| USER NAME = steedpa | DESIGNED - EVERS | REVISED - C. JUCIUS 09-09-09 |
| PLOT SCALE = 100,0000' / in. | CHECKED - | REVISED - C. JUCIUS 07-01-13 |
| PLOT DATE = 8/10/2021 | DATE - 03-19-90 | REVISED - C. JUCIUS 12-21-15 |
| | | REVISED - C. JUCIUS 04-12-16 |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
TYPICAL PAVEMENT MARKINGS**

SCALE: NONE SHEET 1 OF 2 SHEETS STA. TO STA.

| | | | | |
|--------------|-------------|--------------------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 2503 | 2021-014-RS | KANE | 35 | 27 |
| TC-13 | | CONTRACT NO. 62N55 | | |
| ILLINOIS | | FED. AID PROJECT | | |

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

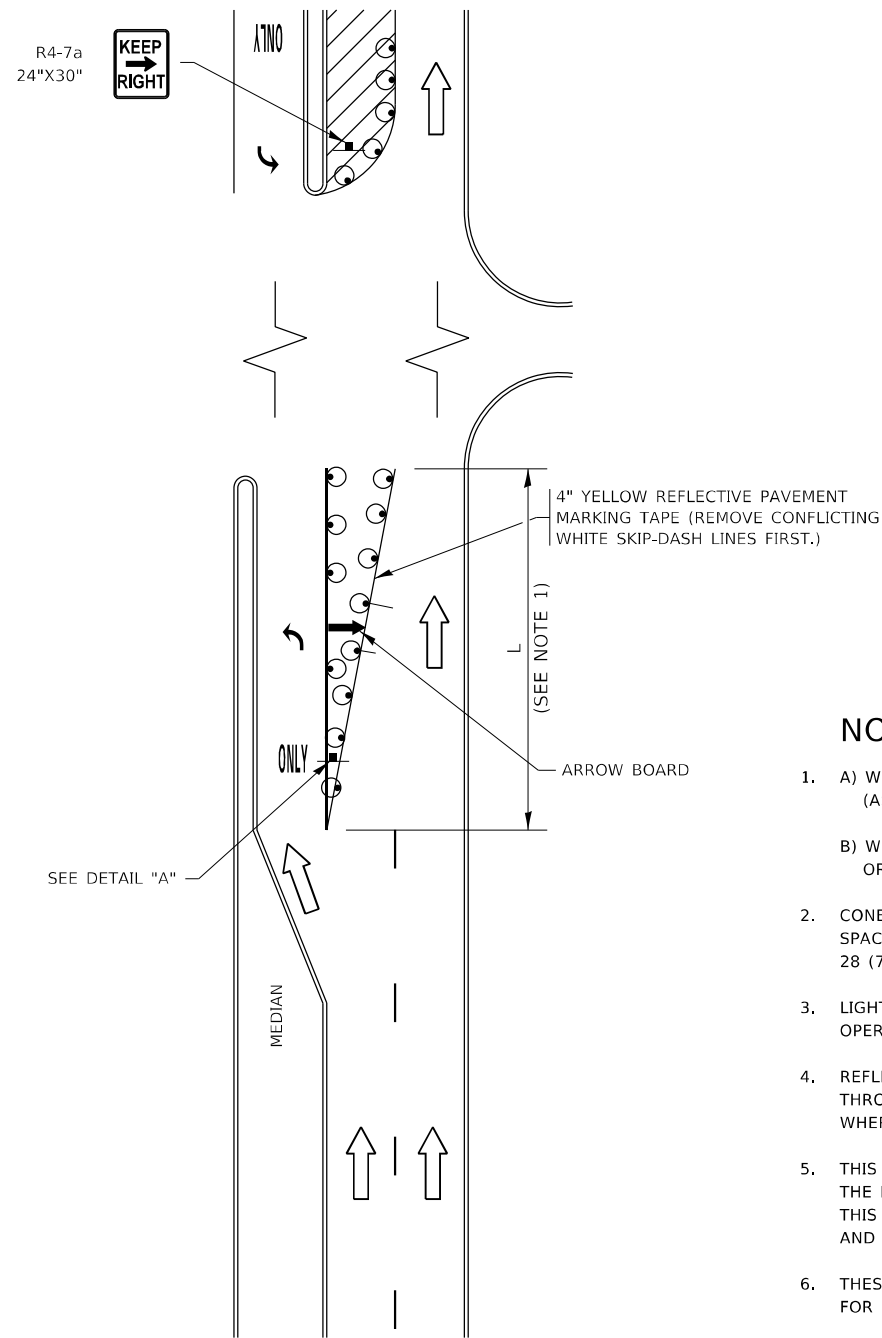


FIGURE 1

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

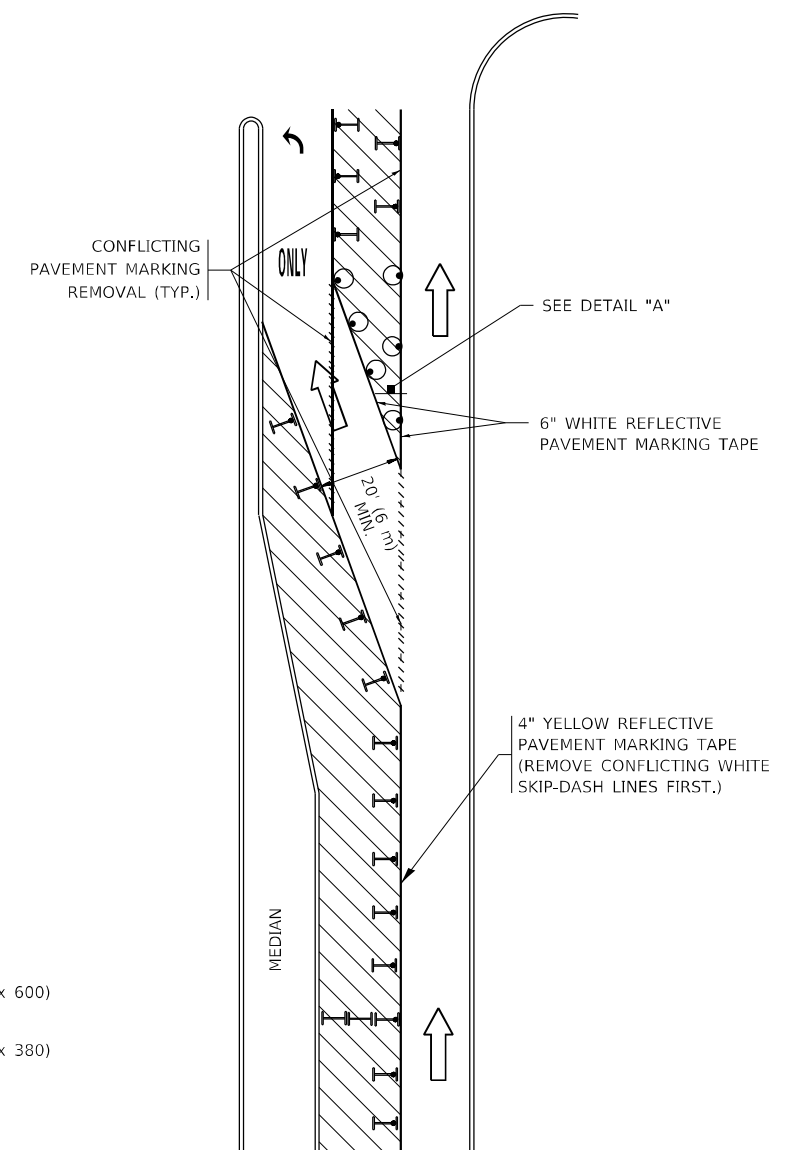


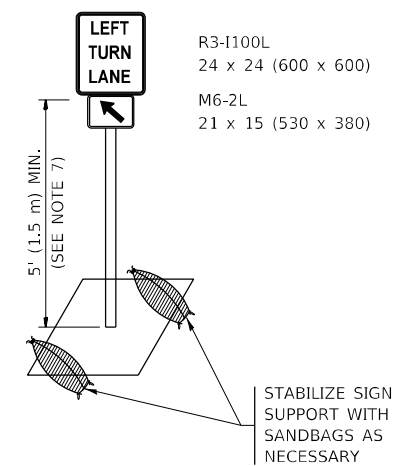
FIGURE 2

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 \leq 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.

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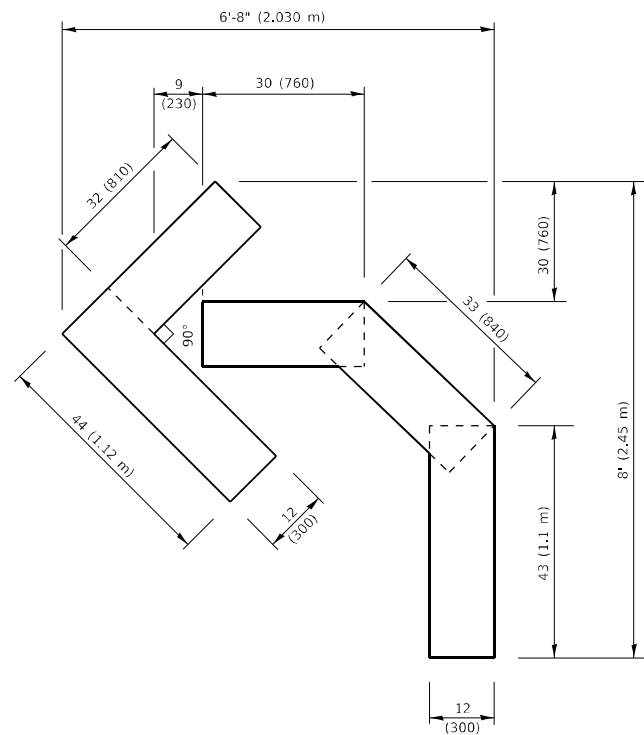
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| | DRAWN - A. HOUSEH 11-07-95 | REVISED - A. SCHUETZE 07-01-13 |
| PLOT SCALE = 100,0000' / in. | CHECKED - A. HOUSEH 10-12-96 | REVISED - A. SCHUETZE 09-15-16 |
| PLOT DATE = 8/10/2021 | DATE - T. RAMMACHER 01-06-00 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION AT TURN BAYS
(TO REMAIN OPEN TO TRAFFIC)**

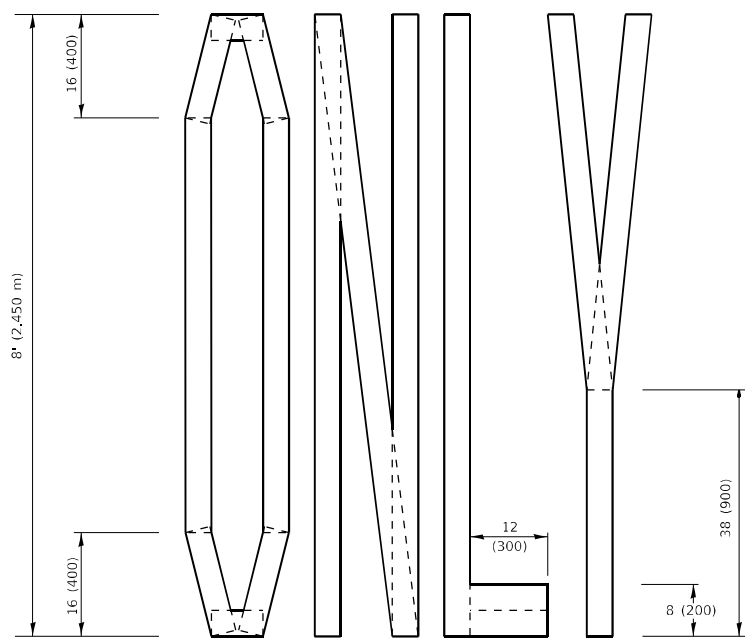
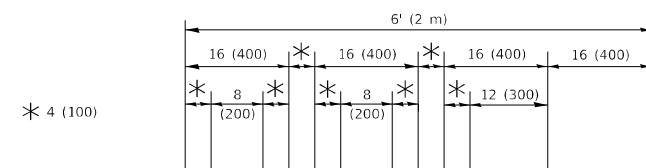
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| | | | | |
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| F.A.U. RTE. 2503 | SECTION 2021-014-RS | COUNTY KANE | TOTAL SHEETS 35 | SHEET NO. 28 |
| TC-14 | | CONTRACT NO. 62N55 | | |
| ILLINOIS FED. AID PROJECT | | | | |



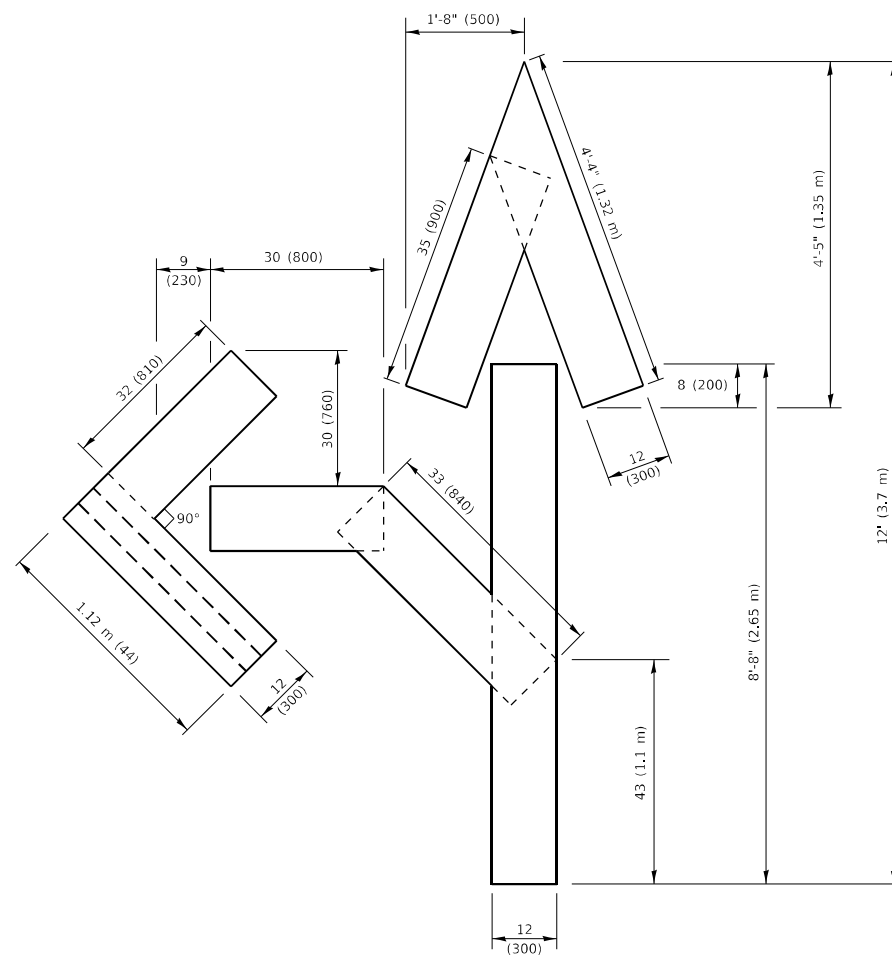
QUANTITY

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)

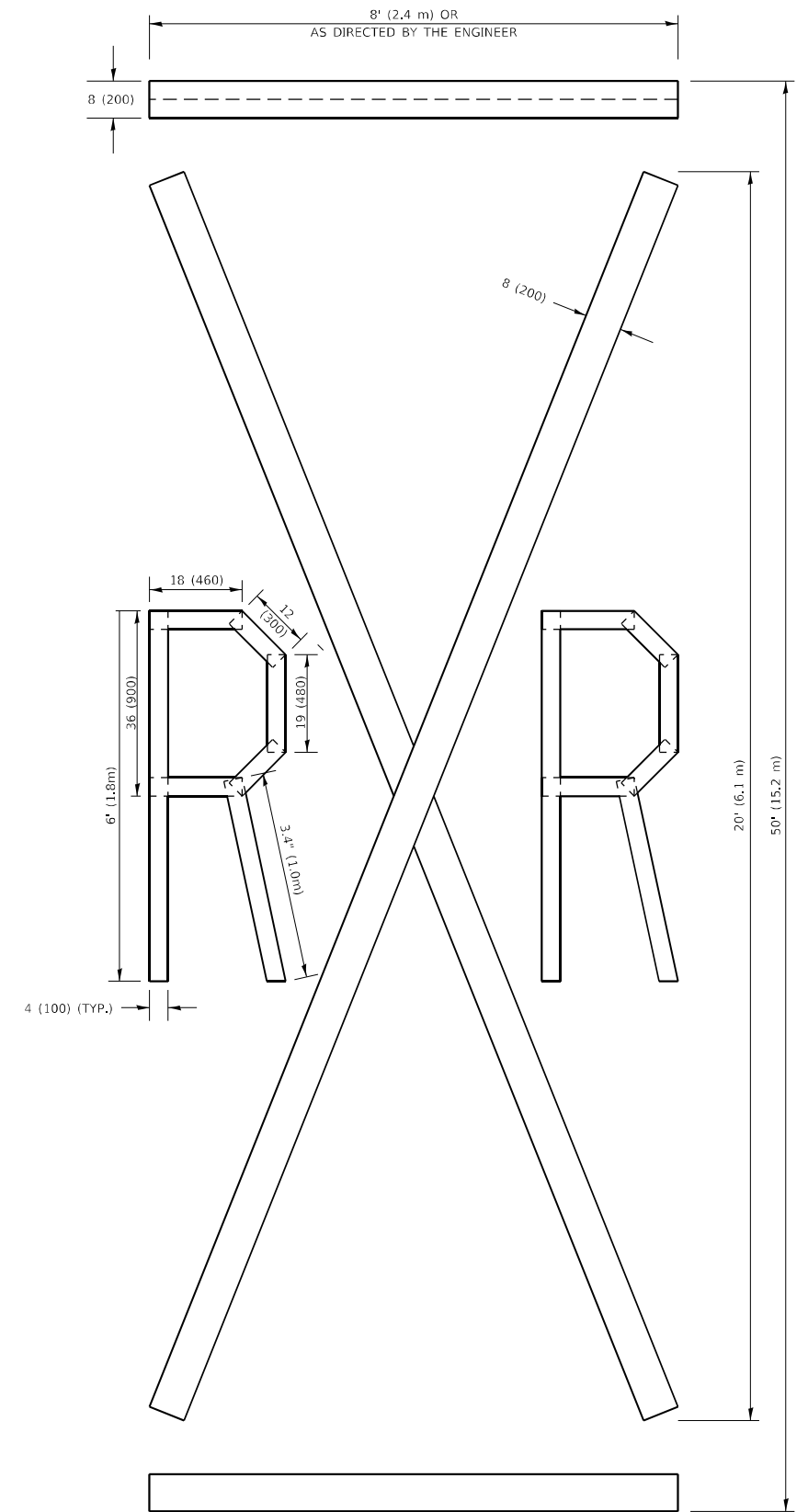


QUANTITY

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.

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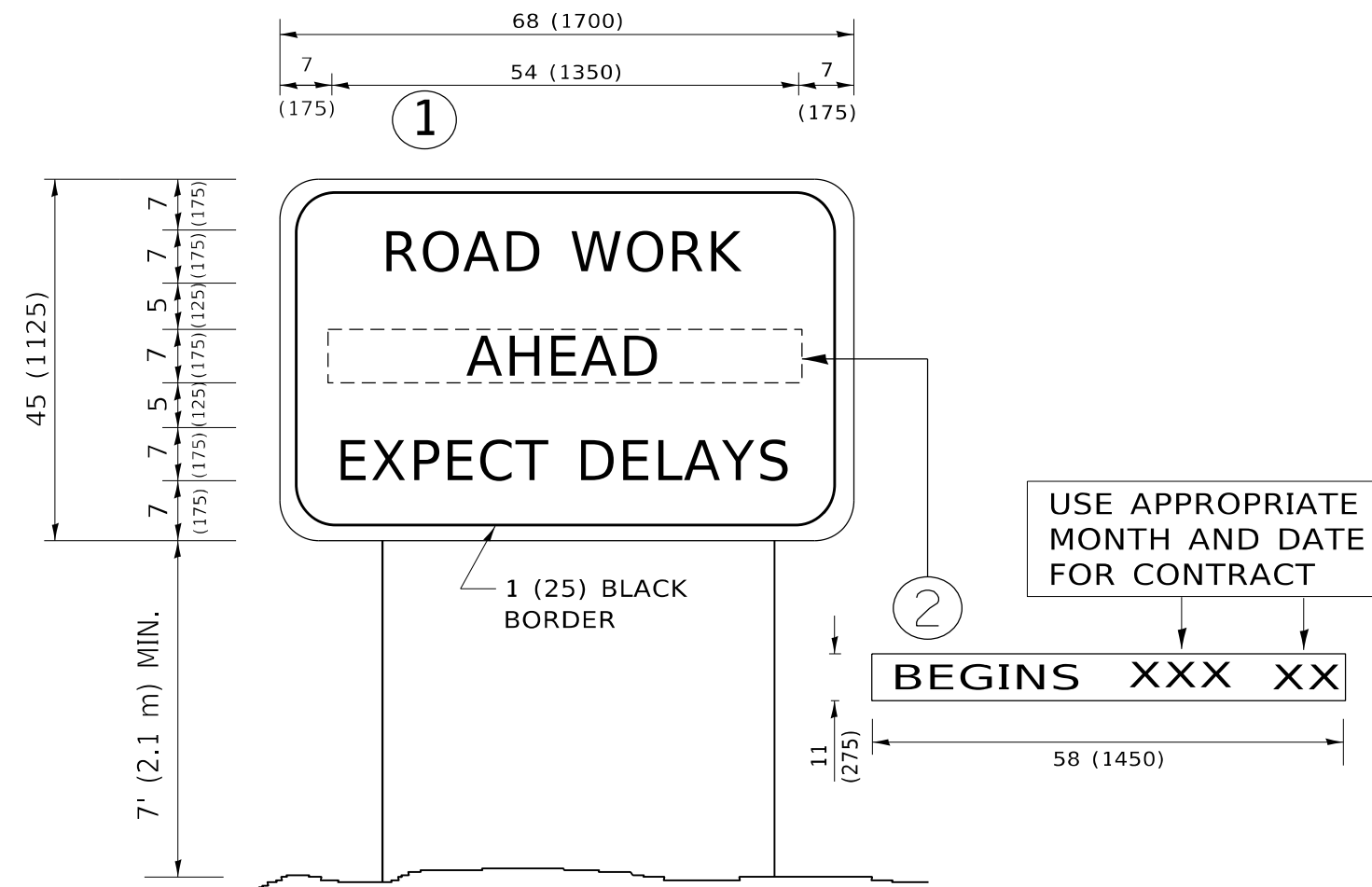
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| USER NAME = steedpa | DESIGNED - | REVISED - T. RAMMACHER 03-02-98 |
| | DRAWN - | REVISED - E. GOMEZ 08-28-00 |
| PLOT SCALE = 100,0010 ' / in. | CHECKED - | REVISED - E. GOMEZ 08-28-00 |
| PLOT DATE = 8/10/2021 | DATE - 09-18-94 | REVISED - A. SCHUETZE 09-15-16 |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|-------------|--------------------|--------------|-----------|
| 2503 | 2021-014-RS | KANE | 35 | 29 |
| TC-16 | | CONTRACT NO. 62N55 | | |
| 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.

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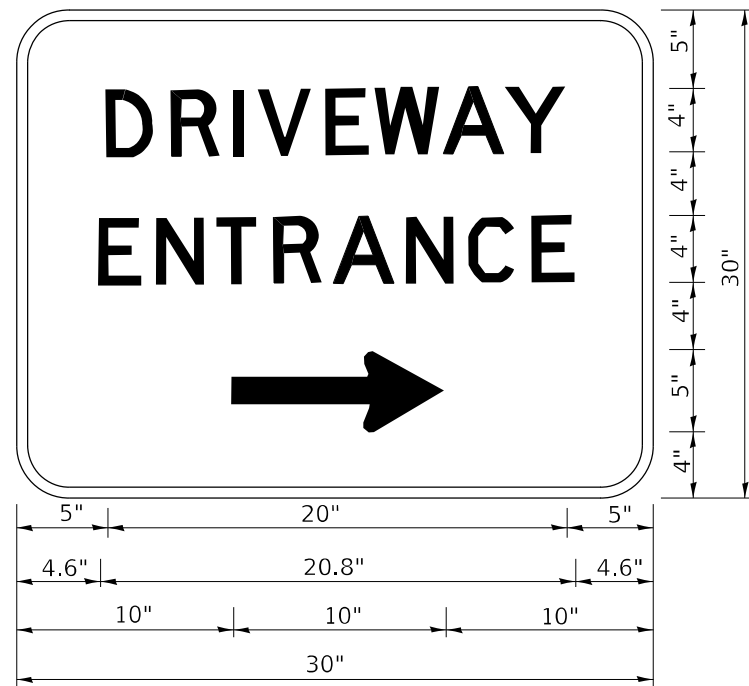
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| | DRAWN - | REVISED - R. MIRS 12-11-97 |
| PLOT SCALE = 100,0010 ' / in. | CHECKED - | REVISED - T. RAMMACHER 02-02-99 |
| PLOT DATE = 8/10/2021 | DATE - | REVISED - C. JUCIUS 01-31-07 |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD
INFORMATION SIGN**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

| | | | | |
|---------------------------|-------------|--------------------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 2503 | 2021-014-RS | KANE | 35 | 30 |
| TC-22 | | CONTRACT NO. 62N55 | | |
| 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".

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| | | |
|------------------------------|------------|------------------------------|
| USER NAME = steedpa | DESIGNED - | REVISED - C. JUCIUS 02-15-07 |
| | DRAWN - | REVISED - |
| PLOT SCALE = 100,0010' / in. | CHECKED - | REVISED - |
| PLOT DATE = 8/10/2021 | DATE - | REVISED - |

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

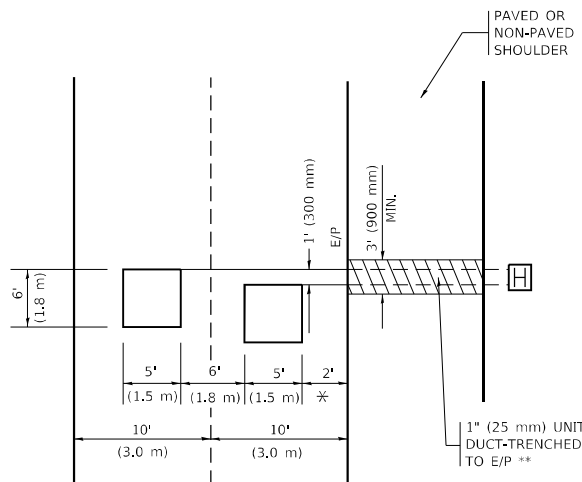
DRIVEWAY ENTRANCE SIGNING

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|-------------|--------------------|--------------|-----------|
| 2503 | 2021-014-RS | KANE | 35 | 31 |
| TC-26 | | CONTRACT NO. 62N55 | | |
| ILLINOIS FED. AID PROJECT | | | | |

LOOPS NEXT TO SHOULDERS

PROVIDE A PAVEMENT REPLACEMENT NOTE WHICH SHOULD EQUAL 3' (900 mm) X WIDTH OF PAVED SHOULDER.

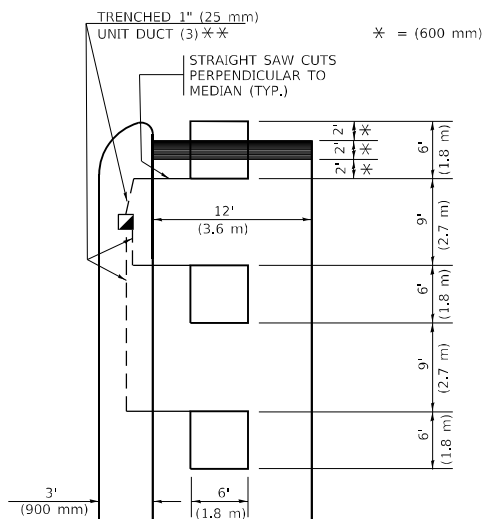


* = (600 mm)

** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

LEFT TURN LANES WITH MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION)
ON SAME APPROACH
(PROTECTED / PERMITTED LEFT TURN PHASING)

HANDHOLE LOCATION MAY VARY DEPENDING ON GEOMETRICS AND DESIGN OF TRAFFIC SIGNALS. HEAVY-DUTY HANDHOLES TO BE USED WHEN THE MEDIAN IS MOUNTABLE. REFER TO STANDARD 814001 TO ENSURE THAT HANDHOLE FITS IN MEDIAN.

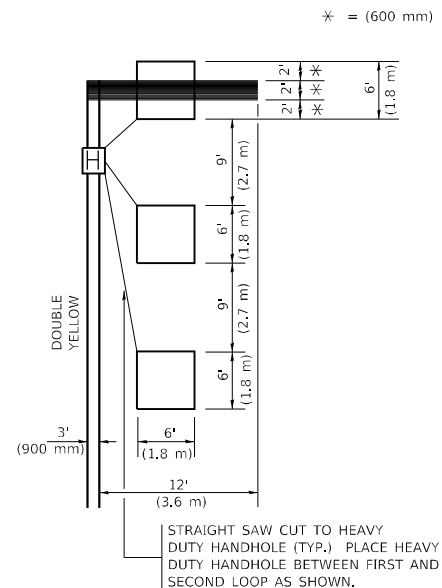


* = (600 mm)

** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

LEFT TURN LANES WITHOUT MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION)
ON SAME APPROACH
(PROTECTED / PERMITTED LEFT TURN PHASING)



* = (600 mm)

NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

NOTES:

VEHICLES LOOP DETECTORS

- * ALL LEAD IN CABLE SHALL BE TWO CONDUCTOR NO. 14 TWISTED, SHIELDED.
- * EACH DETECTOR LOOP SHALL HAVE ITS OWN SAW CUT FROM THE LOOP TO THE EDGE OF PAVEMENT OR TO A HANDHOLE IN THE PAVEMENT.
- * EACH DETECTOR LOOP SHALL HAVE ITS OWN ONE INCH (25 mm) UNIT DUCT BETWEEN THE EDGE OF PAVEMENT AND THE FIRST HANDHOLE OR JUNCTION BOX. EACH UNIT DUCT RUN SHALL BE SHOWN ON THE PLANS BY THE DESIGNER, BUT SHALL NOT BE PAID FOR SEPARATLY. THIS ITEM IS INCIDENTAL TO THE PAY ITEM FOR DETECTOR LOOPS.
- * ONE DIMENSION OF ALL DETECTOR LOOPS SHALL BE SIX FEET (1.8 m)
- * EACH LANE OF NON-LOCKING, PRESENCE DETECTION AND EACH LANE OF A DOUBLE LEFT TURN LANE REQUIRES A SEPARATE INDUCTIVE LOOP DETECTOR AND LEAD IN CABLE.
- * WHEN NON-LOCKING, PRESENCE DETECTION IS USED, MORE THAN ONE LOOP PER LANE IS REQUIRED BEHIND THE STOP BAR (i.e. 1-1/2, 1-3/4, 2).
- * WHEN SYSTEM LOOPS ARE REQUIRED ON AN APPROACH OF AN INTERSECTION, THE LOOPS USED FOR VOLUME DENSITY AND INTERSECTION TIMING SHALL ALSO BE USED AS SYSTEM DETECTORS. EACH ONE OF THESE TYPE OF LOOPS REQUIRES A SEPARATE TWO CONDUCTOR NO. 14 TWISTED SHIELDED CABLE AND A SEPARATE INDUCTIVE LOOP DETECTOR WHEN NEW CONTROLLERS ARE UTILIZED. THE DESIGNER SHALL LABEL THESE TYPES OF LOOPS AS "INTERSECTION AND SAMPLING (SYSTEM) DETECTORS" ON THE SIGNAL LAYOUT, THE INTERCONNECT PLAN AND THE SYSTEM CABLE PLAN. WHEN AN EXISTING CONTROLLER IS UTILIZED FOR THIS TYPE OF DETECTION, THE PAY ITEM "INDUCTIVE LOOP DETECTOR WITH SYSTEM OUTPUT" SHOULD BE USED.

PLACEMENT OF DETECTORS

THE FOLLOWING FIGURES REPRESENT THE MOST COMMON DETECTOR LOOP LOCATIONS AND SIZES. ADJUSTMENTS WILL BE NECESSARY FOR SPECIFIC GEOMETRIC CONSIDERATIONS.

LOCATIONS AND DEMENSIONS OF DETECTOR LOOPS ARE REQUIRED ON ALL SIGNAL LAYOUT PLAN SHEETS.

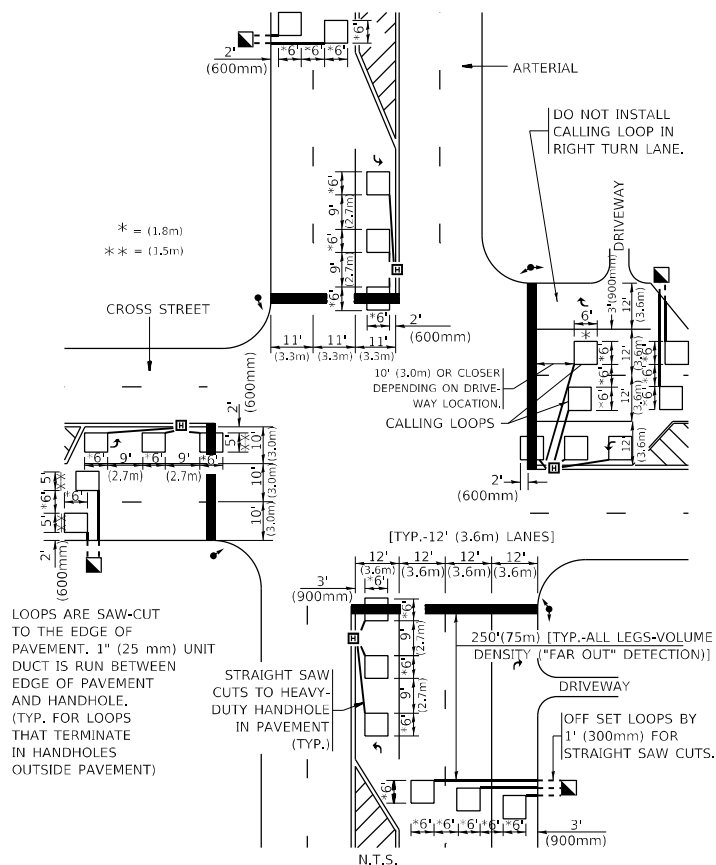
"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0 m-4.5 m) BEHIND THE CROSSING STREET'S EDGE OF PAVEMENT EXTENDED.

NOTE:

ALL DETAILS AND NOTES SHOWN ARE FROM THE I.D.O.T. DISTRICT 1 TRAFFIC SIGNAL DESIGN GUIDELINES DATED JANUARY 1995

THIS DRAWING HAS BEEN PREPARED TO ASSIST THE RESIDENT ENGINEER FOR ALL ROADWAY RESURFACING OR S.M.A.R.T. PROJECTS WHERE THE DIMENSIONS ARE NOT SHOWN ON THE PLANS AND THE FINAL LOCATIONS FOR CROSSWALKS OR STOP BARS ARE NOT DETERMINED.

ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)
CROSS STREET-NON VOLUME DENSITY ("FAR OUT" DETECTION)



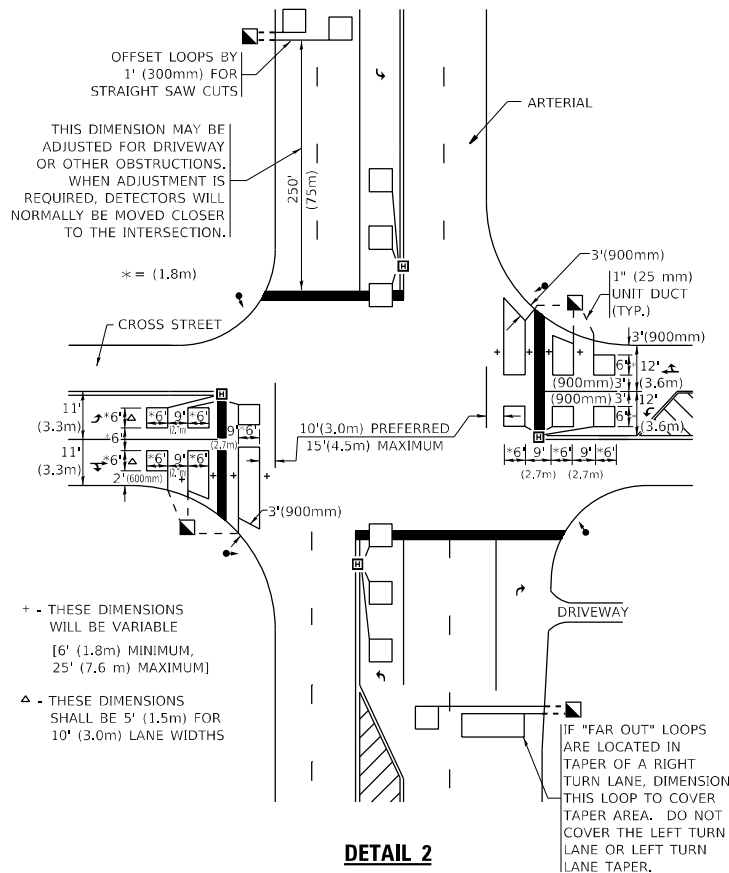
* = (1.8m)
 ** = (1.5m)

LOOPS ARE SAW-CUT TO THE EDGE OF PAVEMENT. 1" (25 mm) UNIT DUCT IS RUN BETWEEN EDGE OF PAVEMENT AND HANDHOLE. (TYP. FOR LOOPS THAT TERMINATE IN HANDHOLES OUTSIDE PAVEMENT)

STRAIGHT SAW CUTS TO HEAVY-DUTY HANDHOLE IN PAVEMENT (TYP.)

DETAIL 1
 N.T.S.

ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)
CROSS STREET-NON VOLUME DENSITY ("UPTIGHT" PRESENCE DETECTION)



THIS DIMENSION MAY BE ADJUSTED FOR DRIVEWAY OR OTHER OBSTRUCTIONS. WHEN ADJUSTMENT IS REQUIRED, DETECTORS WILL NORMALLY BE MOVED CLOSER TO THE INTERSECTION.

* = (1.8m)

+ - THESE DIMENSIONS WILL BE VARIABLE [6' (1.8m) MINIMUM, 25' (7.6 m) MAXIMUM]
 Δ - THESE DIMENSIONS SHALL BE 5' (1.5m) FOR 10' (3.0m) LANE WIDTHS

IF "FAR OUT" LOOPS ARE LOCATED IN TAPER OF A RIGHT TURN LANE, DIMENSION THIS LOOP TO COVER TAPER AREA. DO NOT COVER THE LEFT TURN LANE OR LEFT TURN LANE TAPER.

DETAIL 2
 N.T.S.

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

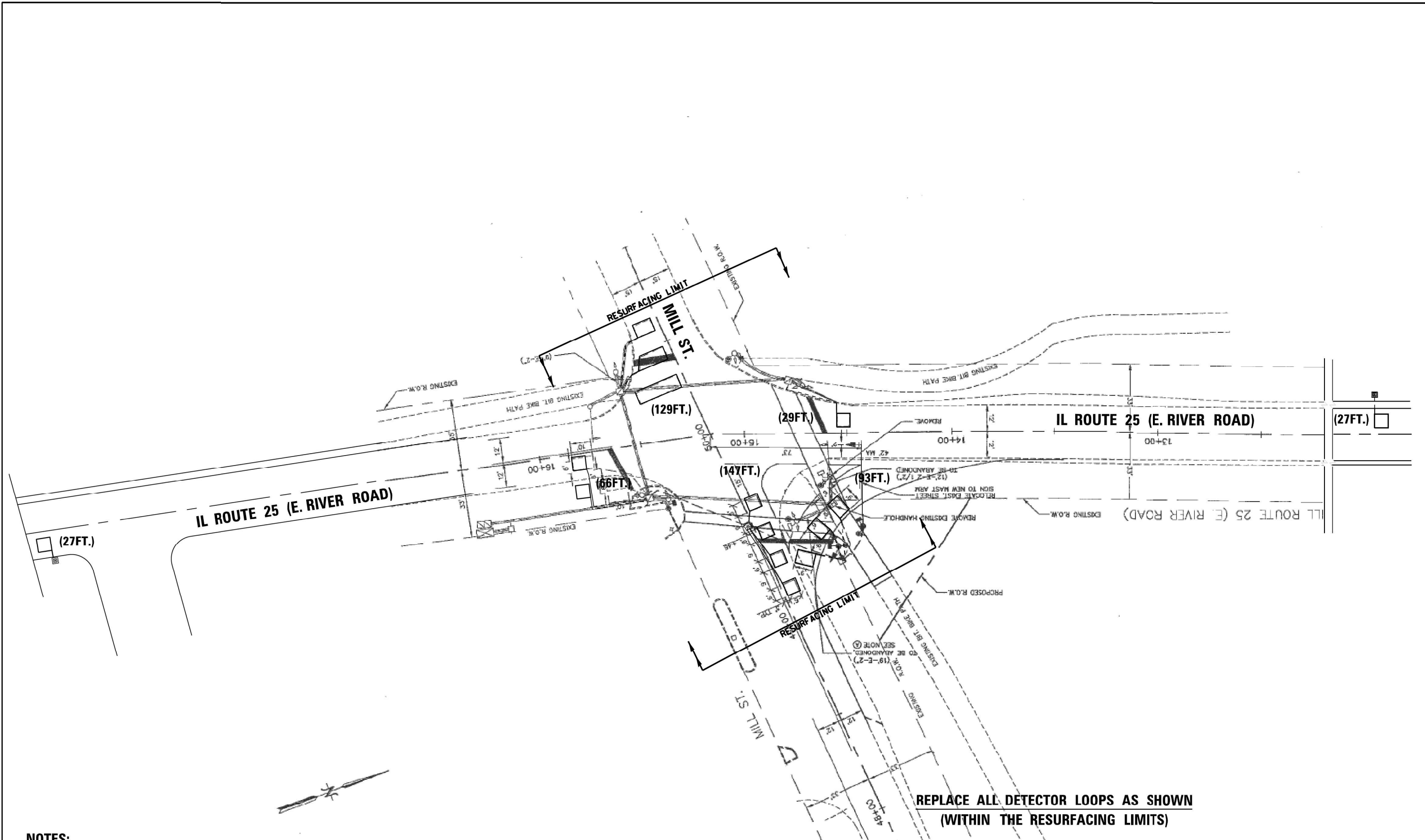
DISTRICT 1 – DETECTOR LOOP INSTALLATION
 DETAILS FOR ROADWAY RESURFACING

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

| | | |
|------------------------------|------------------|-----------|
| USER NAME = steedpa | DESIGNED - | REVISED - |
| PLOT SCALE = 100,0010' / in. | DRAWN - | REVISED - |
| PLOT DATE = 8/10/2021 | CHECKED - R.K.F. | REVISED - |
| | DATE - | REVISED - |

| | | | | |
|---------------------------|-------------|--------------------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 2503 | 2021-014-RS | KANE | 35 | 32 |
| TS-07 | | CONTRACT NO. 62N55 | | |
| ILLINOIS FED. AID PROJECT | | | | |

MODEL: Default
 FILE NAME: p:\pub\aroom\dot\illinois\dot\documents\dot\office\data\design\015-544.dgn
 PROJECT: 2021-014-RS
 PROJECT DATE: 8/10/2021



**REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN THE RESURFACING LIMITS)**

NOTES:

1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS).
2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.

| CODE | ITEM | QUANTITY | UNIT |
|----------|---------------------------|----------|------|
| 88600600 | DETECTOR LOOP REPLACEMENT | 518 | FOOT |

TS#9695

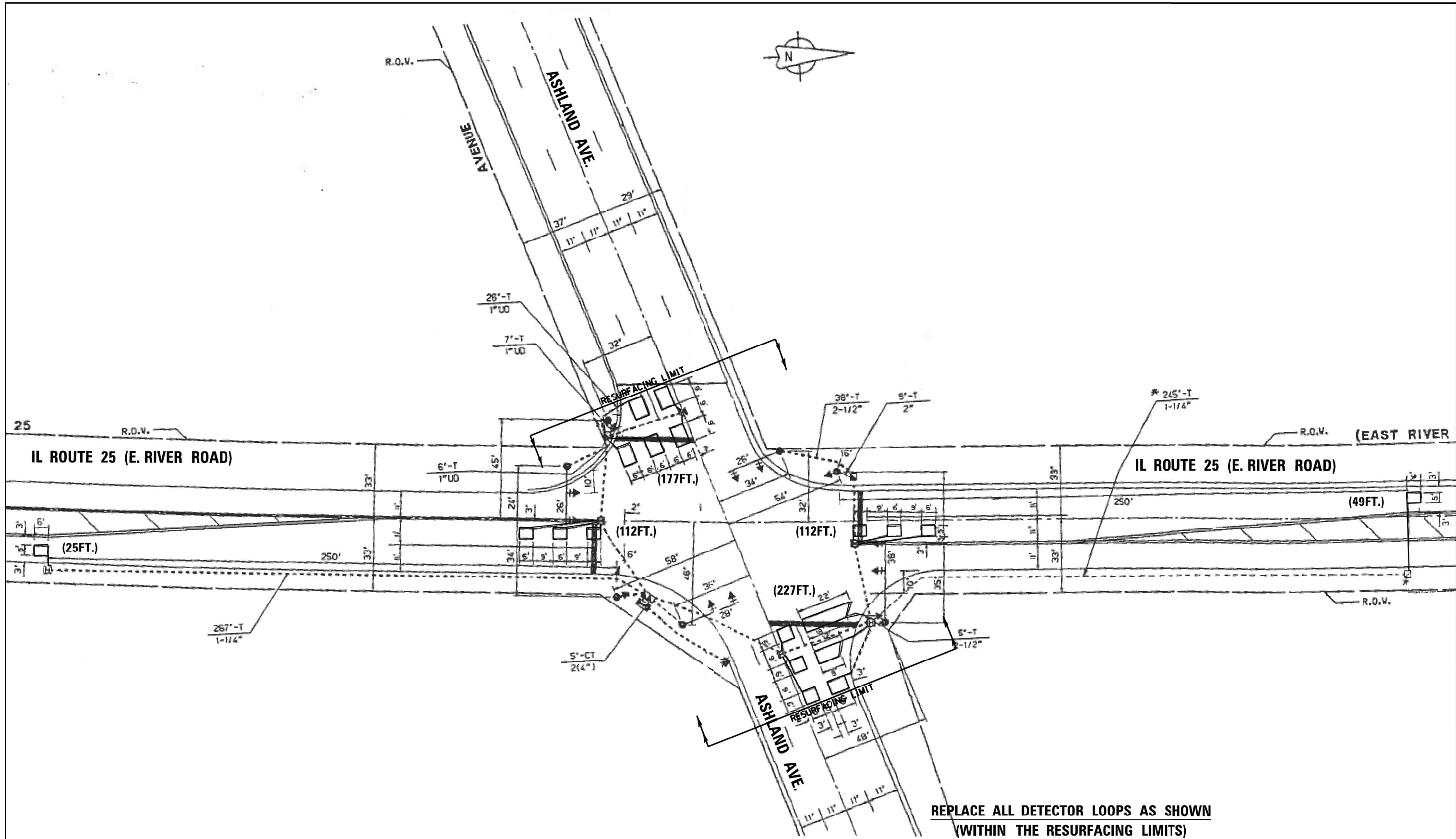
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| FILE NAME = | USER NAME = mezag | DESIGN - Steven M. Nguyen | REVISED - |
| P:\Detector Loops\2021\62N55 IL25-Kane | SADD\ITS\9695 IL 25 @ Mill St.dgn | DRAWN - Gonzalo Meza | REVISED - |
| Default | PLOT SCALE = 48.0000' / in. | CHECKED - Steven M. Nguyen | REVISED - |
| | PLOT DATE = 5/5/2021 | DATE - 04/23/2021 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN
IL. ROUTE 25 AT MILL ST.**

| | | | | |
|---------------------------|-------------|--------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 2503 | 2021-014-RS | KANE | 35 | 33 |
| CONTRACT NO. 62N55 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

SCALE: SHEET OF SHEETS STA. TO STA.



**REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN THE RESURFACING LIMITS)**

NOTES:

1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS).
2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.

| CODE | ITEM | QUANTITY | UNIT |
|----------|---------------------------|----------|------|
| 88600600 | DETECTOR LOOP REPLACEMENT | 702 | FOOT |

TS#823

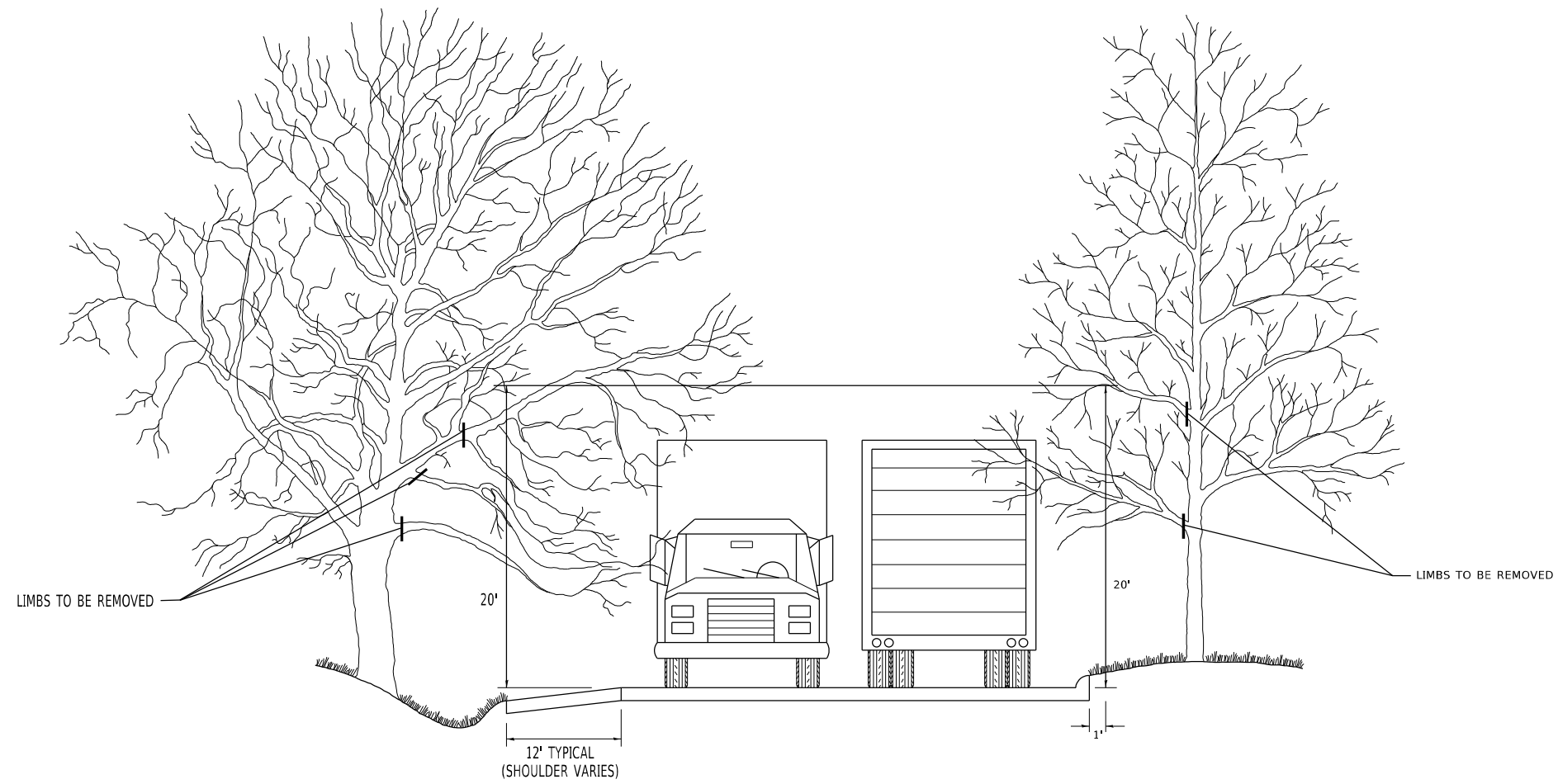
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|--|--------------------------------------|----------------------------|-----------|
| FILE NAME = | USER NAME = mezag | DESIGN - Steven M. Nguyen | REVISED - |
| P:\Detector Loops\2021\62N55 IL25-Kane | SADD\215*823 IL 25 @ Ashland Ave.dgn | DRAWN - Gonzalo Meza | REVISED - |
| Default | PLOT SCALE = 48.0000' / in. | CHECKED - Steven M. Nguyen | REVISED - |
| | PLOT DATE = 4/28/2021 | DATE - 04/23/2021 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN
IL. ROUTE 25 AT ASHLAND AVE.**

| | | | | |
|---------------------------|-------------|--------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 2503 | 2021-014-RS | KANE | 35 | 34 |
| CONTRACT NO. 62N55 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

SCALE: SHEET OF SHEETS STA. TO STA.



MODEL: Default
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 PROJECT: P:\Projects\10521\CADD\Design\Design\10521-014-RS-2021-014-RS-2021-014-RS-2021-014-RS.dwg

| | | |
|------------------------------|------------|----------------------------|
| USER NAME = steedpa | DESIGNED - | REVISED - R. BORO 10-31-06 |
| | DRAWN - | REVISED - |
| PLOT SCALE = 100,0010' / in. | CHECKED - | REVISED - |
| PLOT DATE = 8/10/2021 | DATE - | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PRUNING FOR SAFETY AND
 EQUIPMENT CLEARANCE**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|-------------|--------------------|--------------|-----------|
| 2503 | 2021-014-RS | KANE | 35 | 35 |
| BM-20 | | CONTRACT NO. 62N55 | | |
| ILLINOIS FED. AID PROJECT | | | | |