

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	2024-977-PP	WILL	34	1
		ILLINOIS	CONTRACT NO. 62W96	

PROJECT IS LOCATED IN THE CITY OF JOLIET

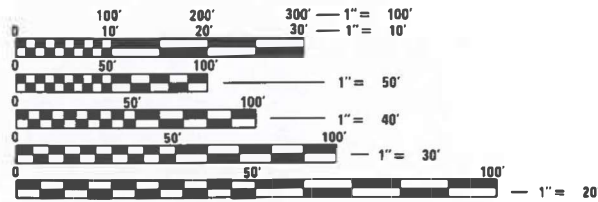
FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROPOSED HIGHWAY PLANS

F.A.P. ROUTE 846A: US 52/IL 53 (CHICAGO ST) FROM I-80 TO NORTH OF DORIS AVE
SECTION 2024-977-PP
PATCHING
WILL COUNTY

TRAFFIC DATA

ADT = 24,800 VPD (2021)
FUNCTIONAL CLASS: OTHER PRINCIPAL ARTERIAL
POSTED SPEED: 40 MPH



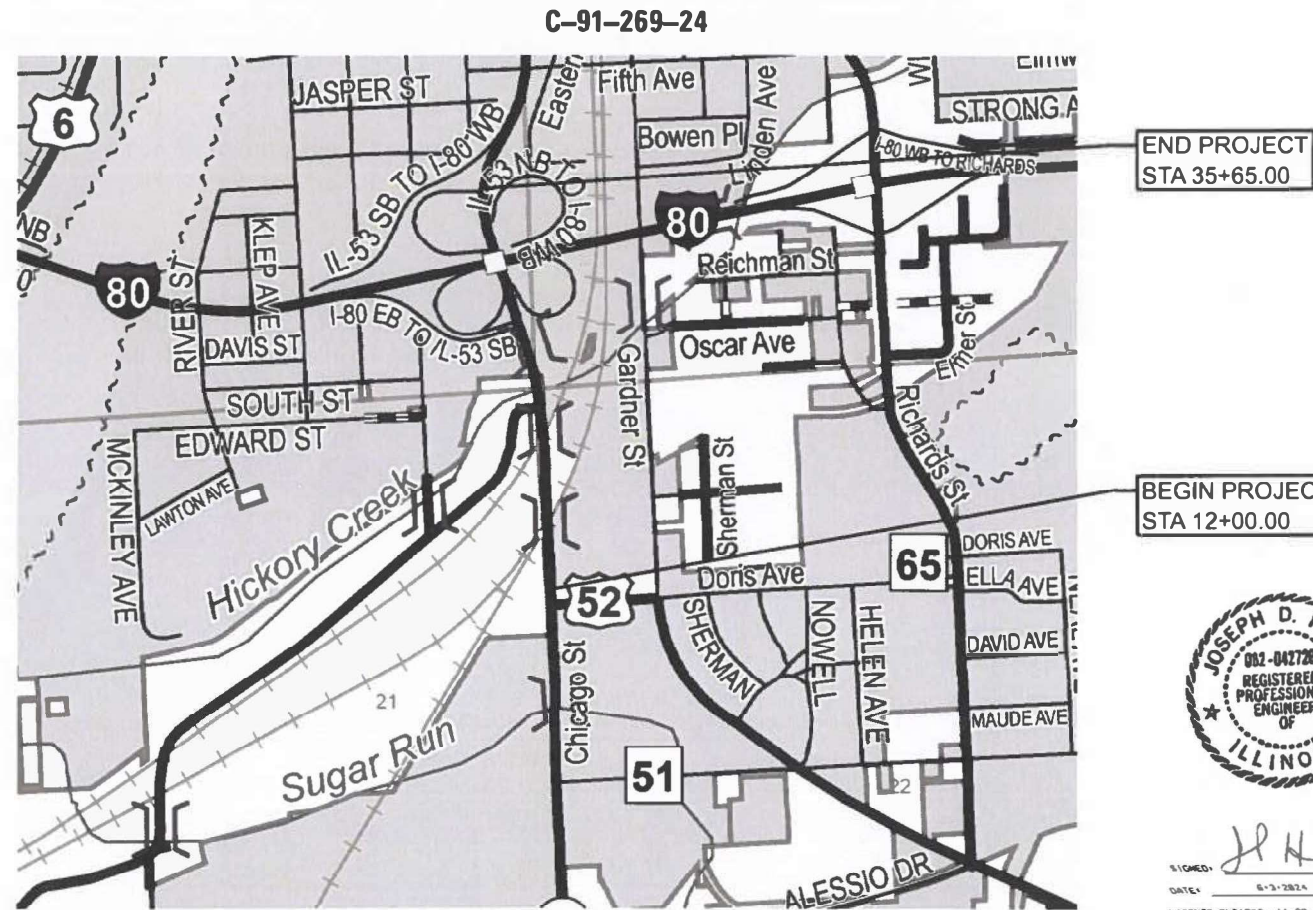
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

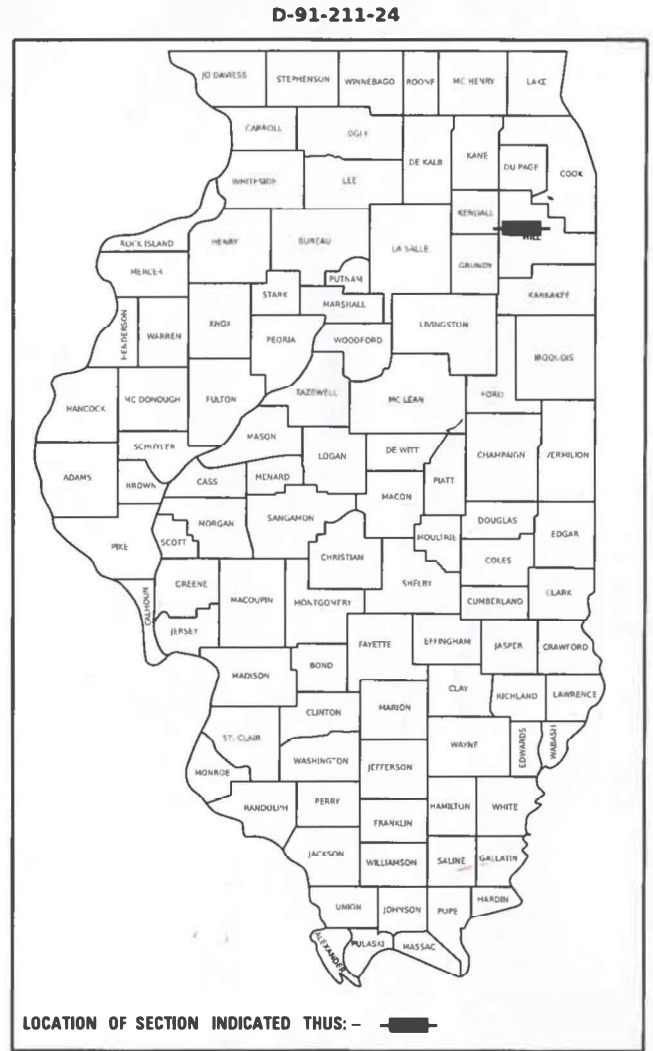
PROJECT ENGINEER: VESELIN VELICHKOV: 847-705-4432
PROJECT MANAGER: FAWAD AQUEEL

CONTRACT NO. 62W96

GROSS LENGTH = 2365.00 FT. = 0.448 MILE
NET LENGTH = 2365.00 FT. = 0.448 MILE



JOLIET TOWNSHIP



LOCATION OF SECTION INDICATED THIS: - [shaded bar]

EFK Moen
Civil Engineering Design



SIGNED: [Signature]
DATE: 6-2-2024
LICENSE EXP. 11-28-2025

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED June 5, 2024
[Signature] REGIONAL ENGINEER

June 28, 2024 [Signature] ENGINEER OF DESIGN AND ENVIRONMENT

June 28, 2024 [Signature] DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

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000001-08	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
420001-10	PAVEMENT JOINTS
442201-03	CLASS C AND D PATCHES
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701106-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 m) AWAY
701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS \geq 45 MPH
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS \leq 40 MPH
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901-09	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

GENERAL NOTES

- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- ALL MILLED SURFACES SHALL BE A UNIFORM CROSS SLOPE PER LANE AND FREE OF RIDGES BETWEEN PASSES. ANY DEVIATIONS SHALL BE CORRECTED AT NO 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 WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- DRAINAGE ADJUSTMENT OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED BY THE ENGINEER.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING MATERIALS.
- 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 DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF PLATED STRUCTURES BY STATION AND OFFSET LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT.
- THE CONTRACTOR SHALL 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 SHALL DELIVER THE RECORD TO THE ENGINEER.
- 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 ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.
- 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.
- THE ENGINEER SHALL CONTACT ERIC CAMPOS, AREA TRAFFIC FIELD ENGINEER, AT ERIC.CAMPOS@ILLINOIS.GOV A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE NOTIFICATION OF ALL EMERGENCY SERVICES, SCHOOL DISTRICTS, I.D.O.T.'S COMMUNICATIONS CENTER, SPRINGFIELD TRUCK PERMIT SECTION AND OTHER AGENCIES AFFECTED BY THE CLOSURE. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR POSTING SIGNS THAT WILL INDICATE THE DATES THE CLOSURE WILL BE IN PLACE
- THE "ARTERIAL ROAD INFORMATION SIGN (TC-22)" IS APPLICABLE ONLY TO ARTERIAL ROADS AND SHALL NOT BE APPLIED TO EXPRESSWAYS.
- BEFORE CONSTRUCTION BEGINS AND AFTER CONSTRUCTION IS COMPLETE, THE CONTRACTOR SHALL OBTAIN ELEVATIONS ON PAVEMENT UNDER EACH BRIDGE BEAM AT BOTH EDGES OF PAVEMENT, EACH LANE LINE, AND MIDDLE OF EACH LANE.
- THE ENGINEER SHALL REPORT CLEARANCES UNDER THE BRIDGE BEFORE AND AFTER RESURFACING. CONTACT DISTRICT 1 TRAFFIC TO HAVE THE VERTICAL CLEARANCE RE-SIGNED IF NEEDED.
- UNION PACIFIC RAILROAD (UP) COORDINATION: A MAINTENANCE OF CONSENT LETTER (MCL) HAS BEEN REQUESTED BY THE DISTRICT 1 RAILROAD UNIT AND WILL BE PROVIDED BY UP. ALSO, UP WILL PROVIDE A "FOLDER NUMBER". FOR ANY AND ALL COMMUNICATION WITH UP, THE CONTRACTOR MUST REFERENCE THE UP FOLDER NUMBER.

COMMITMENTS

NONE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX, GENERAL NOTES, AND STANDARDS
US 52 / IL 53 AT I-80

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	2024-977-PP	WILL	34	2
ILLINOIS			CONTRACT NO. 62W96	
ILLINOIS			FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE	
				100% STATE	
				ROADWAY	
				0005	URBAN
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	10	10	
25000210	SEEDING, CLASS 2A	ACRE	0.25	0.25	
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	2300	2300	
40600370	LONGITUDINAL JOINT SEALANT	FOOT	1993	1993	
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	0.6	0.6	
40605026	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80	TON	572	572	
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	3515	3515	
44201353	CLASS C PATCHES, TYPE II, 10 INCH	SQ YD	325	325	
44201357	CLASS C PATCHES, TYPE III, 10 INCH	SQ YD	485	485	
44201359	CLASS C PATCHES, TYPE IV, 10 INCH	SQ YD	910	910	
60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	3	3	
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	3	3	

* DENOTES SPECIAL PROVISION REQUIRED

** DENOTES SPECIALTY ITEM

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE	
				100% STATE	
				ROADWAY	
				0005	URBAN
67100100	MOBILIZATION	L SUM	1	1	
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	28	28	
70300100	SHORT TERM PAVEMENT MARKING	FOOT	5623	5623	
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	3038	3038	
70307100	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - TYPE IV TAPE	SQ FT	37	37	
70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	2184	2184	
70307130	TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE	FOOT	170	170	
70307140	TEMPORARY PAVEMENT MARKING - LINE 8" - TYPE IV TAPE	FOOT	402	402	
70307160	TEMPORARY PAVEMENT MARKING - LINE 12" - TYPE IV TAPE	FOOT	59	59	
70307210	TEMPORARY PAVEMENT MARKING - LINE 24" - TYPE IV TAPE	FOOT	50	50	
** 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	74	74	
** 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	5122	5122	
** 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	85	85	
** 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	805	805	

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
US 52 / IL 53 AT I-80

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 846A	SECTION 2024-977-PP	COUNTY WILL	TOTAL SHEETS 34	SHEET NO. 3
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62W96	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE	
				100% STATE	
				ROADWAY	
				0005	URBAN
**78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	172	172	
**78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	100	100	
**78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	74	74	
**78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	5122	5122	
**78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	85	85	
**78009008	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	FOOT	805	805	
**78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	172	172	
**78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	100	100	
**78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	58	58	
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	58	58	
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	1142	1142	
*X4400501	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT LESS THAN OR EQUAL TO 10 FEET	FOOT	25	25	
*X4400503	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT GREATER THAN 10 FEET	FOOT	50	50	
*X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	150	150	

* DENOTES SPECIAL PROVISION REQUIRED

** DENOTES SPECIALTY ITEM

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE	
				100% STATE	
				ROADWAY	
				0005	URBAN
*X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	3	3	
*X6700407	ENGINEER'S FIELD OFFICE, TYPE A (D1)	CAL MO	12	12	
*X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1	
*X7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	L SUM	1	1	
**X8860105	DETECTOR LOOP REPLACEMENT	FOOT	537	537	
*Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	
*Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	10	10	
*Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	92	92	
*Z0038121	PORTLAND CEMENT CONCRETE SURFACE REMOVAL 2"	SQ YD	2512	2512	
*Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1	

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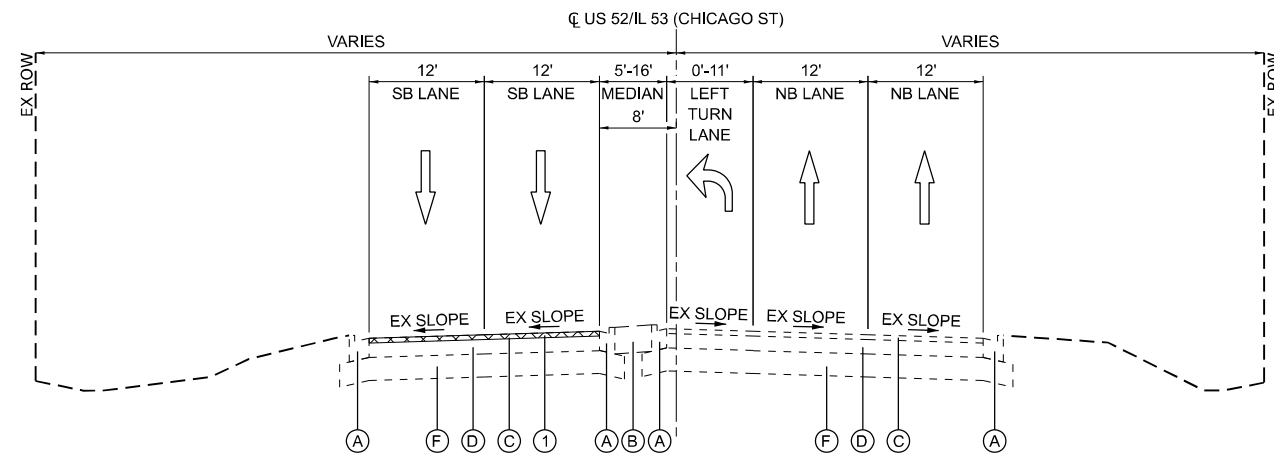
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

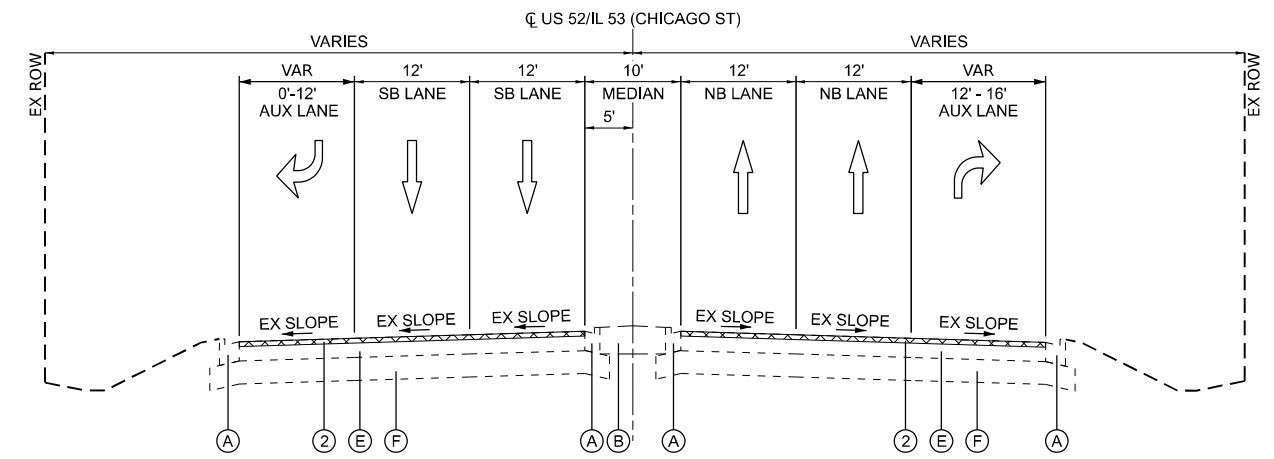
**SUMMARY OF QUANTITIES
US 52 / IL 53 AT I-80**

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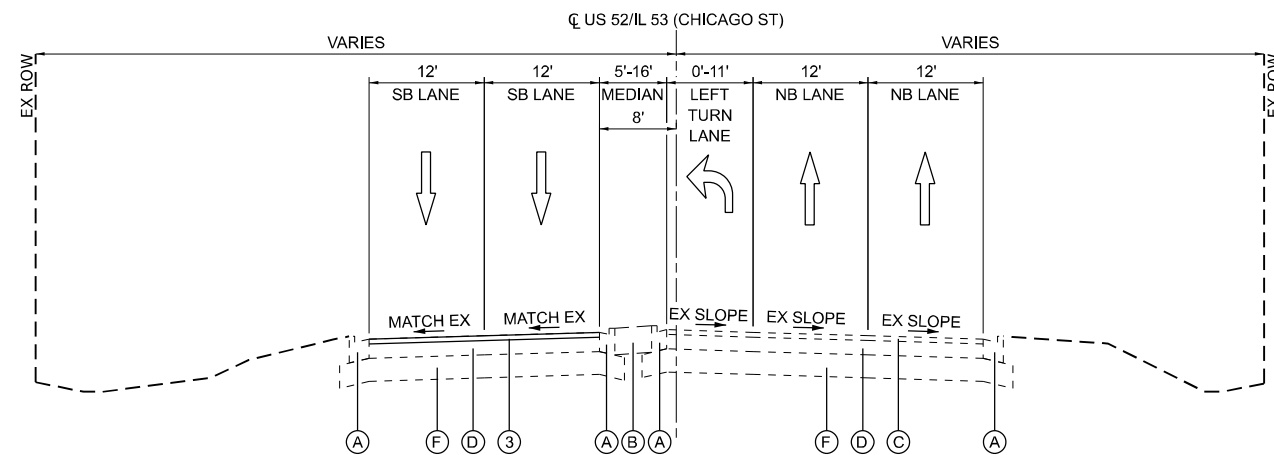
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CONTRACT NO. 62W96			ILLINOIS FED. AID PROJECT	



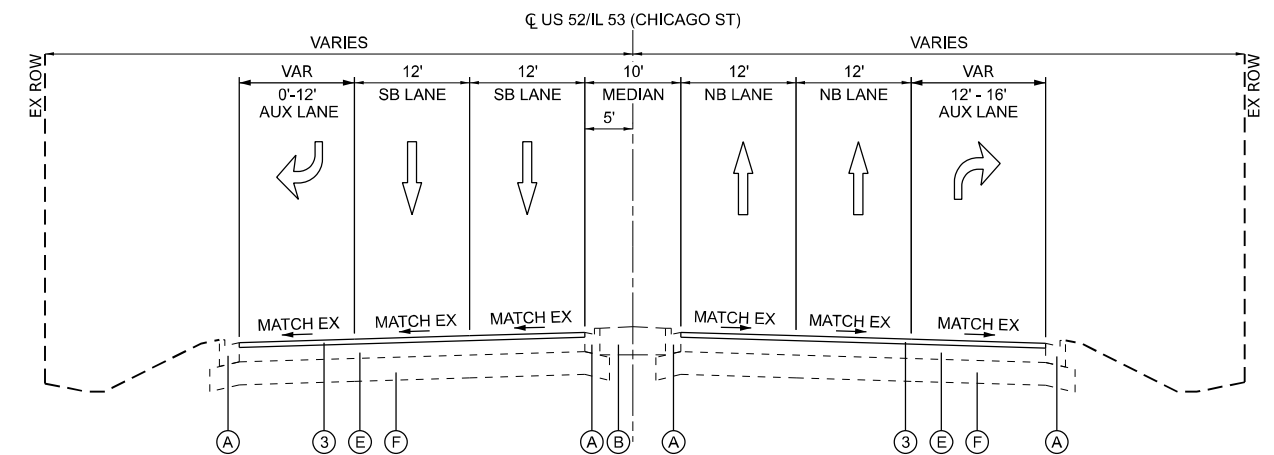
EXISTING TYPICAL
LOOKING NORTH
APPROXIMATELY STA. 27+53 TO STA. 33+05



EXISTING TYPICAL
LOOKING NORTH
APPROXIMATELY STA. 33+05 TO STA. 35+65



PROPOSED TYPICAL
LOOKING NORTH
APPROXIMATELY STA. 27+53 TO STA. 33+05
NOTE: THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED UNDER THE SURFACE LIFT.



PROPOSED TYPICAL
LOOKING NORTH
APPROXIMATELY STA. 33+05 TO STA. 35+65
NOTE: THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED UNDER THE SURFACE LIFT.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		
MIXTURE TYPE	AIR VOIDS Ndes	QUALITY MANAGEMENT PROGRAM (QMP)
PAVEMENT RESURFACING AND INTERMITTENT RESURFACING:		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80, 2"	3.5% AT 80 GYR	QC/QA
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA); QUALITY CONTROL FOR PERFORMANCE (QCP); PAY FOR PERFORMANCE (PPF)		

LEGEND

- (A) EXISTING COMBINATION CONCRETE CURB AND GUTTER
- (B) EXISTING CONCRETE MEDIAN
- (C) EXISTING HMA OVERLAY (± 2")
- (D) EXISTING PCC PAVEMENT (± 7")
- (E) EXISTING PCC PAVEMENT (± 9")
- (F) EXISTING STABILIZED SUBBASE
- ① PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- ② PROPOSED PORTLAND CEMENT CONCRETE SURFACE REMOVAL, 2"
- ③ PR POLYMERIZED HMA SURFACE COURSE, SMA, 9.5, MIX "F", N80, 2"

NOTES

1. CONTRACTOR SHALL PATCH FIRST BEFORE MILLING.
2. THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT QUANTITIES IS 112 LB/SY/IN.
3. 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.
4. CLASS C PATCH LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
5. CLASS C PATCHES SHALL MEETING SURROUNDING PAVEMENT ELEVATION.
6. CLASS C PATCHES OUTSIDE MILLED AREA SHALL NOT BE MILLED AND RESURFACED.

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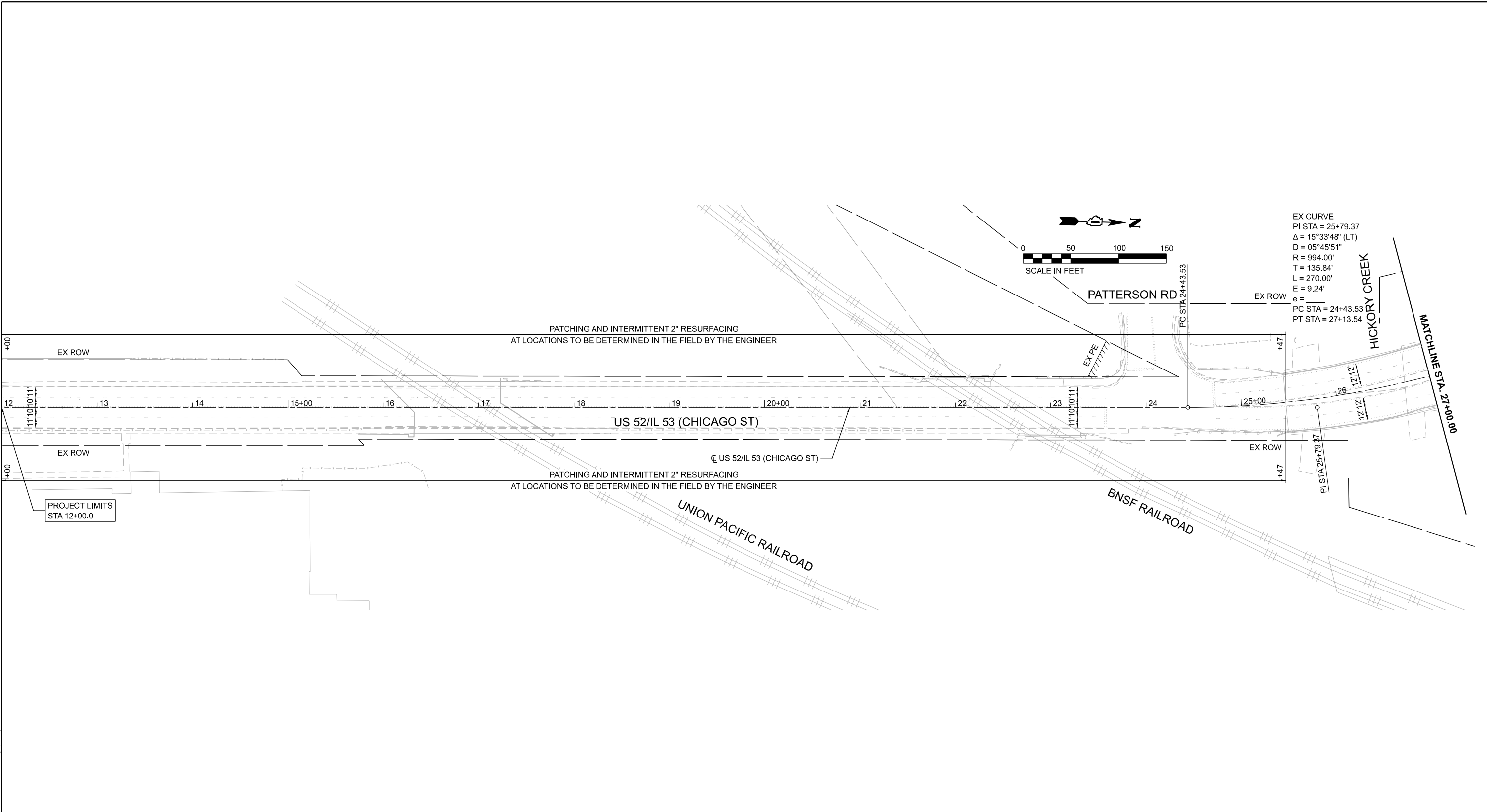
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

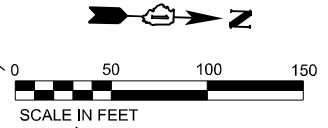
**TYPICAL SECTIONS
US 52 / IL 53 AT I-80**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	2024-977-PP	WILL	34	5
CONTRACT NO. 62W96			ILLINOIS FED. AID PROJECT	



EX CURVE
 PI STA = 25+79.37
 $\Delta = 15^{\circ}33'48''$ (LT)
 $D = 05^{\circ}45'51''$
 $R = 994.00'$
 $T = 135.84'$
 $L = 270.00'$
 $E = 9.24'$
 $e =$
 PC STA = 24+43.53
 PT STA = 27+13.54



LEGEND

- | | |
|--|---|
| <p>(1) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID YELLOW)</p> <p>(2) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID WHITE)</p> <p>(3) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (10' DASH - 30' SKIP, WHITE)</p> <p>(4) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (2' DASH - 6' SKIP, WHITE)</p> <p>(5) THERMOPLASTIC PAVEMENT MARKING - LINE 8" (SOLID WHITE)</p> | <p>(6) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (20' SPACING, 45° CHEVRONS, SOLID WHITE)</p> <p>(7) THERMOPLASTIC PAVEMENT MARKING - LINE 24" (SOLID WHITE)</p> <p>(8) THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)</p> <p>■ HOT-MIX ASPHALT SURFACE REMOVAL, 2"
 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80, 2"</p> <p>■ PORTLAND CEMENT CONCRETE SURFACE REMOVAL, 2"
 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80, 2"</p> |
|--|---|

NOTES:
 ALL PROPOSED PAVEMENT MARKINGS SHALL BE INSTALLED ACCORDING TO IDOT D1 PAVEMENT MARKING DETAIL TC-12 AND TC-13.
 RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE INSTALLED ACCORDING TO IDOT D1 RRPM DETAIL TC-11 AND TC-12.
 PAVEMENT MARKINGS SHALL ALIGN WITH THE EXISTING SIGNING. FOR EXAMPLE THE STOP BAR SHALL BE ALIGNED WITH THE STOP SIGN.

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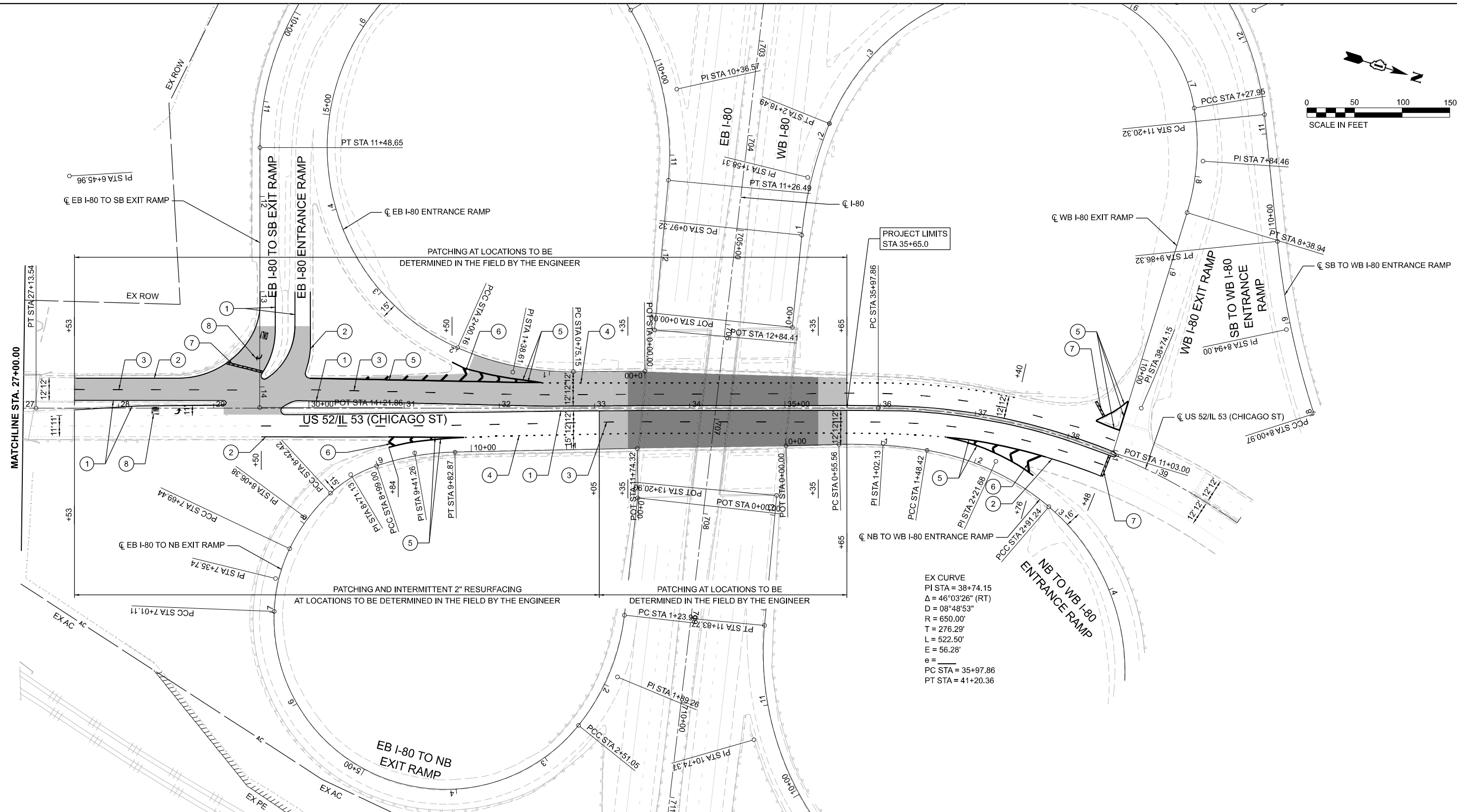
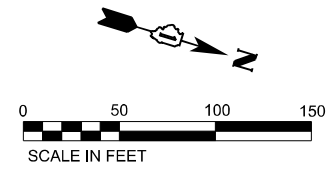


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PLOT SCALE = 0.16660000 / in.			
PLOT DATE = 6/7/2024			

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY AND PAVEMENT MARKING PLANS
 US 52 / IL 53 AT I-80**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	2024-977-PP	WILL	34	6
CONTRACT NO. 62W96				
ILLINOIS FED. AID PROJECT				



EX CURVE
 PI STA = 38+74.15
 $\Delta = 46^{\circ}03'26''$ (RT)
 $D = 08^{\circ}48'53''$
 $R = 650.00'$
 $T = 276.29'$
 $L = 522.50'$
 $E = 56.28'$
 $e =$
 $PC STA = 35+97.86$
 $PT STA = 41+20.36$

LEGEND

- ① THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID YELLOW)
- ② THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID WHITE)
- ③ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (10' DASH - 30' SKIP, WHITE)
- ④ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (2' DASH - 6' SKIP, WHITE)
- ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 8" (SOLID WHITE)
- ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (20' SPACING, 45° CHEVRONS, SOLID WHITE)
- ⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 24" (SOLID WHITE)
- ⑧ THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)
- HOT-MIX ASPHALT SURFACE REMOVAL, 2"
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80, 2"
- PORTLAND CEMENT CONCRETE SURFACE REMOVAL, 2"
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80, 2"

NOTES:
 ALL PROPOSED PAVEMENT MARKINGS SHALL BE INSTALLED ACCORDING TO IDOT D1 PAVEMENT MARKING DETAIL TC-12 AND TC-13.
 RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE INSTALLED ACCORDING TO IDOT D1 RRPV DETAIL TC-11 AND TC-12.
 PAVEMENT MARKINGS SHALL ALIGN WITH THE EXISTING SIGNING. FOR EXAMPLE THE STOP BAR SHALL BE ALIGNED WITH THE STOP SIGN.

MODEL: NOT ES 6-14-2024; MDT: ES 6-14-2024; PLOT: 6/7/2024; USER: MSick; FILE: 2024-977-PP-CONTRACT-D1-0823-CADD-Data/Sheet/D:1823096-4-IL52-2-0823-PP-Plan.dgn



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	DRAWN - JB	REVISED -
PLOT SCALE = 0.16660000' / in.	CHECKED - JH	REVISED -
PLOT DATE = 6/7/2024	DATE - 6/7/2024	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY AND PAVEMENT MARKING PLANS
 US 52 / IL 53 AT I-80**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 846A	SECTION 2024-977-PP	COUNTY WILL	TOTAL SHEETS 34	SHEET NO. 7
CONTRACT NO. 62W96			ILLINOIS FED. AID PROJECT	

MAINTENANCE OF TRAFFIC - GENERAL NOTES

1. SEE SPECIAL PROVISIONS TITLED TRAFFIC CONTROL AND PROTECTION (ARTERIALS), TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS), AND TRAFFIC CONTROL PLAN.
2. THE CONTRACTOR SHALL MAINTAIN ALL ROADWAYS OPEN TO TRAFFIC AS SHOWN ON THE MAINTENANCE OF TRAFFIC PLANS.
3. 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.
4. THE FOLLOWING APPLY TO CONSTRUCTION SIGNS:
 - A) THE CONTRACTOR SHALL FURNISH ALL SIGNS
 - B) ALL SIGNS SHALL BE CONSIDERED INCLUDED IN THE COST OF THE TRAFFIC CONTROL AND PROTECTION (SPECIAL) PAY ITEM.
5. ALL TEMPORARY PAVEMENT MARKINGS SHALL BE PAVEMENT MARKING TAPE, TYPE IV.
6. ALLOWABLE WORK HOURS ARE MONDAY-THURSDAY 7:00 PM TO 5:00 AM AND FRIDAY 7:00 PM TO MONDAY 5:00 AM.
7. MILLED SURFACES SHALL NOT BE OPEN TO TRAFFIC. MILLED SURFACES MUST BE RESURFACED PRIOR TO OPENING THE LANE TO TRAFFIC AT THE END OF EACH ALLOWABLE WORK PERIOD.
8. THE CONTRACTOR MAY COMPLETE STAGES 1A, 1B, 2A, AND 2B IN ANY ORDER.
9. THE CONTRACTOR MAY WORK ON NORTHBOUND PAVEMENT AND SOUTHBOUND PAVEMENT AT THE SAME TIME.
10. PATCHING SEQUENCE:
 - PERFORM CLASS C PATCHING THROUGHOUT LIMITS BEFORE MILLING.
 - MILL 2" PCC OR HMA SURFACE THROUGHOUT RESURFACING LIMITS AND AT INTERMITTENT RESURFACING LOCATIONS. PATCHES OUTSIDE MILLED AREA SHALL NOT BE MILLED AND RESURFACED.
 - PLACE 2" HMA SURFACE.

MAINTENANCE OF TRAFFIC SEQUENCING NOTES

STAGE 1A

TRAFFIC

1. PROVIDE BARRICADES AND SIGNS AS SHOWN ON AS SHOWN ON STAGE 1A PLANS TO CLOSE SOUTHBOUND OUTSIDE AND AUXILIARY LANE.
2. UTILIZE FLAGGERS AS REQUIRED TO MAINTAIN ACCESS TO EB I-80 ENTRANCE AND EXIT RAMP.
3. CLOSE SOUTHBOUND OUTSIDE LANE SOUTH OF HICKORY CREEK UTILIZING STANDARDS 701601 AND 701701.

CONSTRUCTION

1. COMPLETE PATCHES AT LOCATIONS TO BE DETERMINED BY THE ENGINEER.

STAGE 1B

TRAFFIC

1. PROVIDE BARRICADES AND SIGNS AS SHOWN ON STAGE 1B PLANS TO CLOSE NORTHBOUND OUTSIDE AND AUXILIARY LANE.
2. CLOSE EB I-80 EXIT RAMP TO NB US 52/IL 53 UTILIZING DISTRICT DETAIL TC-08. DETOUR TRAFFIC AS SHOWN ON THE PLANS. COORDINATE WITH ADJACENT CONTRACTS.
3. CLOSE NORTHBOUND OUTSIDE LANE SOUTH OF I-80 UTILIZING STANDARDS 701601 AND 701701.

CONSTRUCTION

1. COMPLETE PATCHES AT LOCATIONS TO BE DETERMINED BY THE ENGINEER.

STAGE 2A

TRAFFIC

1. PROVIDE BARRICADES AND SIGNS AS SHOWN ON STAGE 2A PLANS TO CLOSE SOUTHBOUND INSIDE LANE.
2. UTILIZE FLAGGERS AS REQUIRED TO MAINTAIN ACCESS TO EB I-80 ENTRANCE RAMP.
3. CLOSE SOUTHBOUND INSIDE LANE SOUTH OF HICKORY CREEK UTILIZING STANDARDS 701601 AND 701701.

CONSTRUCTION

1. COMPLETE PATCHES AT LOCATIONS TO BE DETERMINED BY THE ENGINEER.

STAGE 2B

TRAFFIC

1. PROVIDE BARRICADES AND SIGNS AS SHOWN ON STAGE 2B PLANS TO CLOSE NORTHBOUND INSIDE LANE.
2. CLOSE NORTHBOUND INSIDE LANE SOUTH OF I-80 UTILIZING STANDARDS 701601 AND 701701.

CONSTRUCTION

1. COMPLETE PATCHES AT LOCATIONS TO BE DETERMINED BY THE ENGINEER.

POST-STAGE

TRAFFIC

1. CLOSE ONE LANE AT A TIME UTILIZING STANDARDS 701601 AND 701701.

CONSTRUCTION

1. MILL PAVEMENT.
2. PLACE HOT-MIX ASPHALT SURFACE COURSE.

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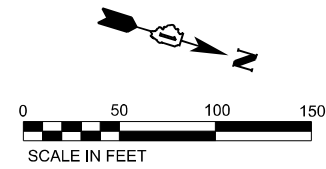
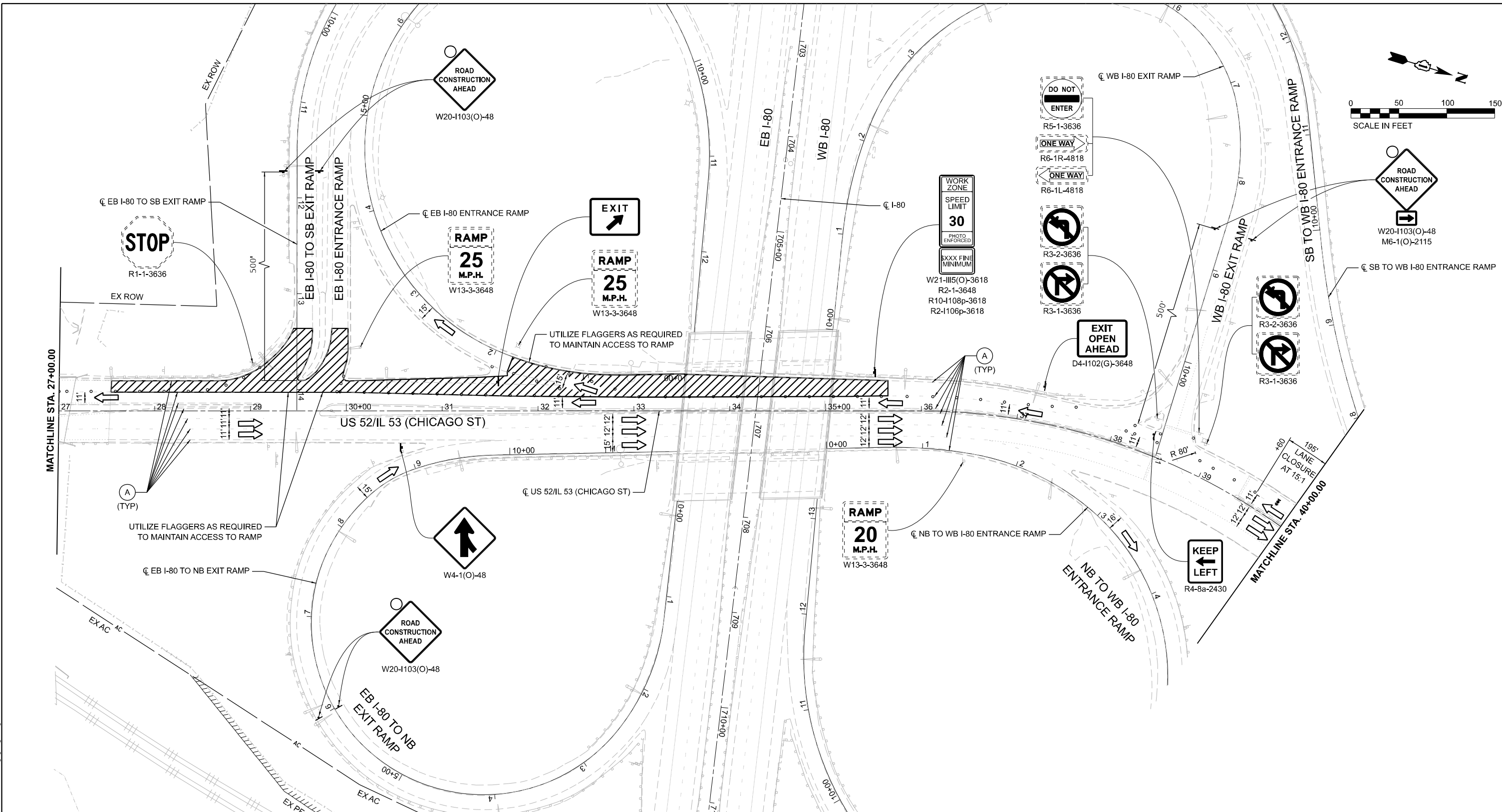
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STAGING NOTES
US 52 / IL 53 AT I-80**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	2024-977-PP	WILL	34	8
CONTRACT NO. 62W96			ILLINOIS FED. AID PROJECT	



LEGEND

- | | | | |
|---|--|---|---|
| ① | TEMP PAVT MARK - LINE 4" - TY IV TAPE (SOLID YELLOW) | ⑥ | NOT USED |
| ② | TEMP PAVT MARK - LINE 4" - TY IV TAPE (SOLID WHITE) | ⑦ | TEMP PAVT MARK - LINE 12" - TY IV TAPE (20' SPACING, 45° DIAGONAL, SOLID WHITE) |
| ③ | TEMP PAVT MARK - LINE 4" - TY IV TAPE (10' DASH - 30' SKIP, WHITE) | ⑧ | TEMP PAVT MARK - LINE 24" - TY IV TAPE (SOLID WHITE) |
| ④ | TEMP PAVT MARK - LINE 4" - TY IV TAPE (2' DASH - 6' SKIP, WHITE) | Ⓐ | EXISTING PAVEMENT MARKING |
| ⑤ | TEMP PAVT MARK - LINE 8" - TY IV TAPE (SOLID WHITE) | Ⓑ | TEMPORARY PAVEMENT MARKING PLACED IN PREVIOUS STAGE |

- WORK AREA
- WORK COMPLETED IN PREVIOUS STAGE
- DRUMS OR TYPE II BARRICADES (SPACED AT 50' C-C TANGENT, 20' C-C TAPER, AND 15' C-C IN RADII)
- TYPE III BARRICADES
- ARROW BOARDS
- DIRECTION INDICATOR BARRICADES W/ STEADY BURN MONO-DIRECTIONAL LIGHT AT 20' C-C SPACING IN TAPERS

NOTES

1. VERTICAL BARRICADES SHALL BE USED IN PLACE OF DRUMS OR TYPE II BARRICADES ALONG PATCHING LIMITS.
2. ALL SIGNS NOT SHOWN ON PLANS AND NOT IN CONFLICT WITH STAGING SHALL REMAIN IN PLACE.

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EFK Moen
Civil Engineering Design

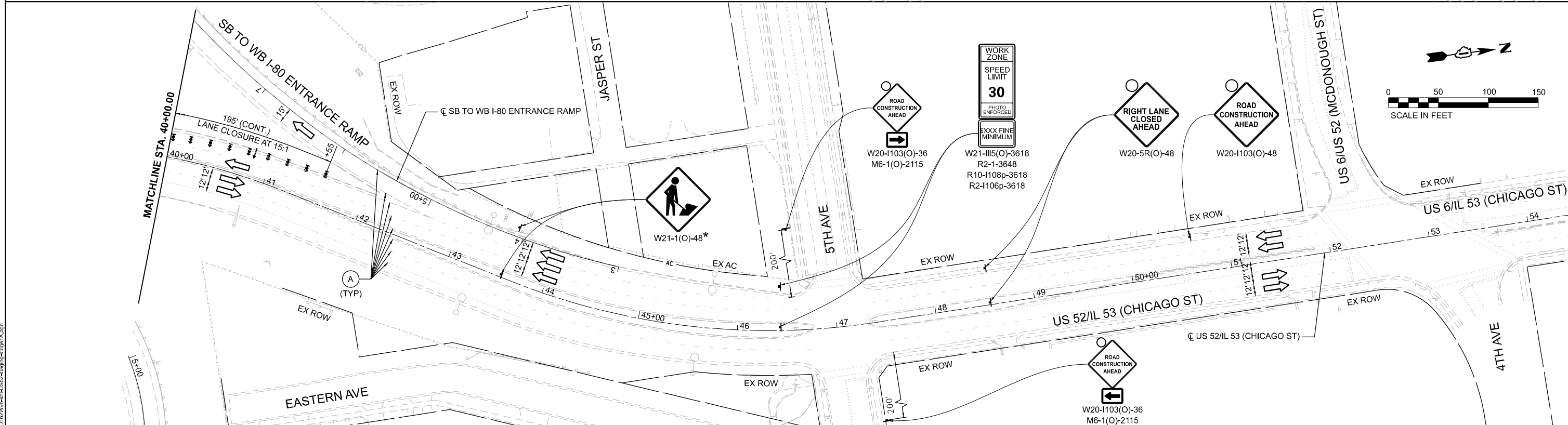
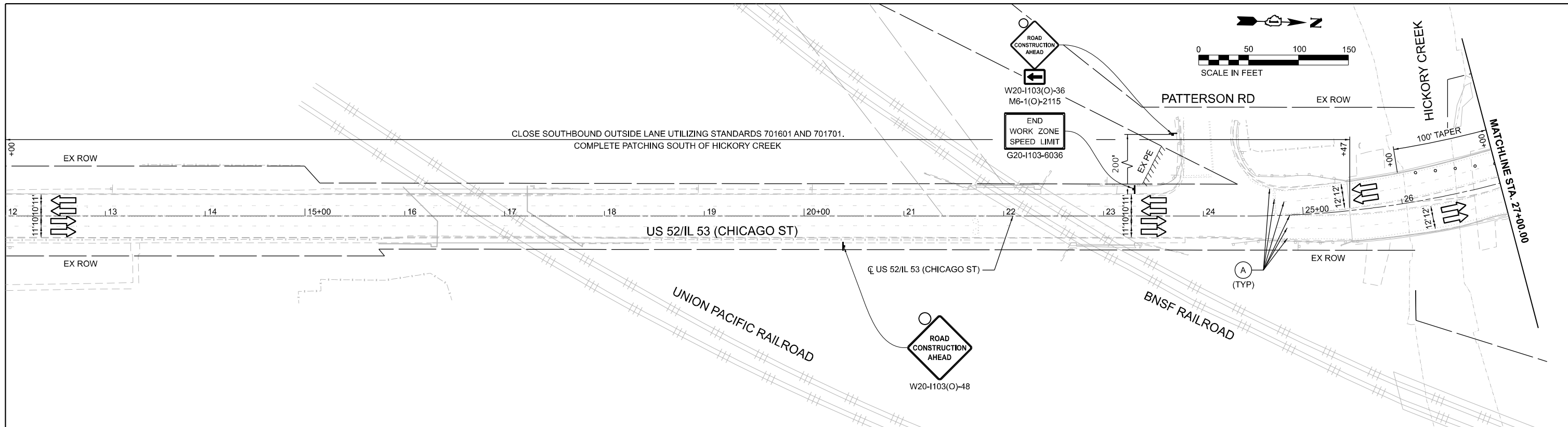
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STAGING PLANS - STAGE 1A
US 52 / IL 53 AT I-80**

SCALE:	SHEET	OF	SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	2024-977-PP	WILL	34	9
CONTRACT NO. 62W96				
ILLINOIS FED. AID PROJECT				



LEGEND

- ① TEMP PAVT MARK - LINE 4" - TY IV TAPE (SOLID YELLOW)
- ② TEMP PAVT MARK - LINE 4" - TY IV TAPE (SOLID WHITE)
- ③ TEMP PAVT MARK - LINE 4" - TY IV TAPE (10' DASH - 30' SKIP, WHITE)
- ④ TEMP PAVT MARK - LINE 4" - TY IV TAPE (2' DASH - 6' SKIP, WHITE)
- ⑤ TEMP PAVT MARK - LINE 8" - TY IV TAPE (SOLID WHITE)
- ⑥ NOT USED
- ⑦ TEMP PAVT MARK - LINE 12" - TY IV TAPE (20' SPACING, 45° DIAGONAL, SOLID WHITE)
- ⑧ TEMP PAVT MARK - LINE 24" - TY IV TAPE (SOLID WHITE)
- A EXISTING PAVEMENT MARKING
- B TEMPORARY PAVEMENT MARKING PLACED IN PREVIOUS STAGE

- WORK AREA
- WORK COMPLETED IN PREVIOUS STAGE
- DRUMS OR TYPE II BARRICADES (SPACED AT 50' C-C TANGENT, 20' C-C TAPER, AND 15' C-C IN RADII)
- TYPE III BARRICADES
- ARROW BOARDS
- DIRECTION INDICATOR BARRICADES W/ STEADY BURN MONO-DIRECTIONAL LIGHT AT 20' C-C SPACING IN TAPERS

NOTES

1. VERTICAL BARRICADES SHALL BE USED IN PLACE OF DRUMS OR TYPE II BARRICADES ALONG PATCHING LIMITS.
 2. ALL SIGNS NOT SHOWN ON PLANS AND NOT IN CONFLICT WITH STAGING SHALL REMAIN IN PLACE.
- * WORKERS SIGN (W21-1) TO BE REMOVED OR COVERED WHEN WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR.

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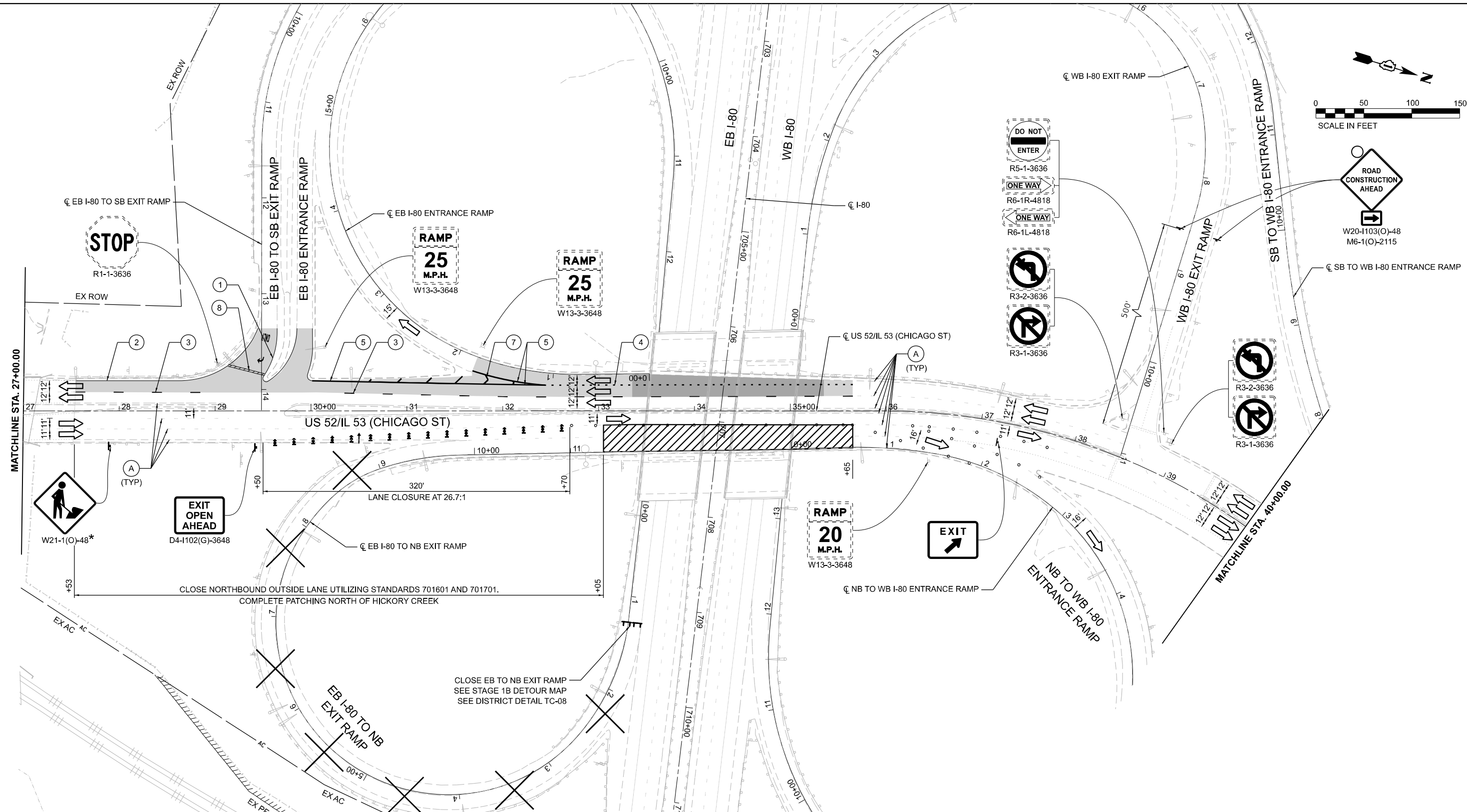
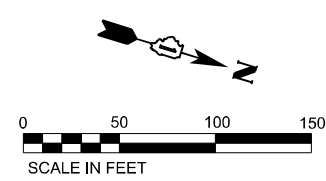


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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGING PLANS - STAGE 1A			
US 52 / IL 53 AT I-80			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	2024-977-PP	WILL	34	10
CONTRACT NO. 62W96			ILLINOIS FED. AID PROJECT	



LEGEND

- ① TEMP PAVT MARK - LINE 4" - TY IV TAPE (SOLID YELLOW)
- ② TEMP PAVT MARK - LINE 4" - TY IV TAPE (SOLID WHITE)
- ③ TEMP PAVT MARK - LINE 4" - TY IV TAPE (10' DASH - 30' SKIP, WHITE)
- ④ TEMP PAVT MARK - LINE 4" - TY IV TAPE (2' DASH - 6' SKIP, WHITE)
- ⑤ TEMP PAVT MARK - LINE 8" - TY IV TAPE (SOLID WHITE)
- ⑥ NOT USED
- ⑦ TEMP PAVT MARK - LINE 12" - TY IV TAPE (20' SPACING, 45° DIAGONAL, SOLID WHITE)
- ⑧ TEMP PAVT MARK - LINE 24" - TY IV TAPE (SOLID WHITE)
- A EXISTING PAVEMENT MARKING
- B TEMPORARY PAVEMENT MARKING PLACED IN PREVIOUS STAGE

- WORK AREA
- WORK COMPLETED IN PREVIOUS STAGE
- DRUMS OR TYPE II BARRICADES (SPACED AT 50' C-C TANGENT, 20' C-C TAPER, AND 15' C-C IN RADII)
- TYPE III BARRICADES
- ARROW BOARDS
- DIRECTION INDICATOR BARRICADES W/ STEADY BURN MONO-DIRECTIONAL LIGHT AT 20' C-C SPACING IN TAPERS

NOTES

1. VERTICAL BARRICADES SHALL BE USED IN PLACE OF DRUMS OR TYPE II BARRICADES ALONG PATCHING LIMITS.
 2. ALL SIGNS NOT SHOWN ON PLANS AND NOT IN CONFLICT WITH STAGING SHALL REMAIN IN PLACE.
- * WORKERS SIGN (W21-1) TO BE REMOVED OR COVERED WHEN WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR.

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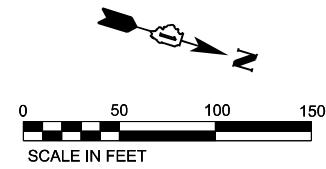
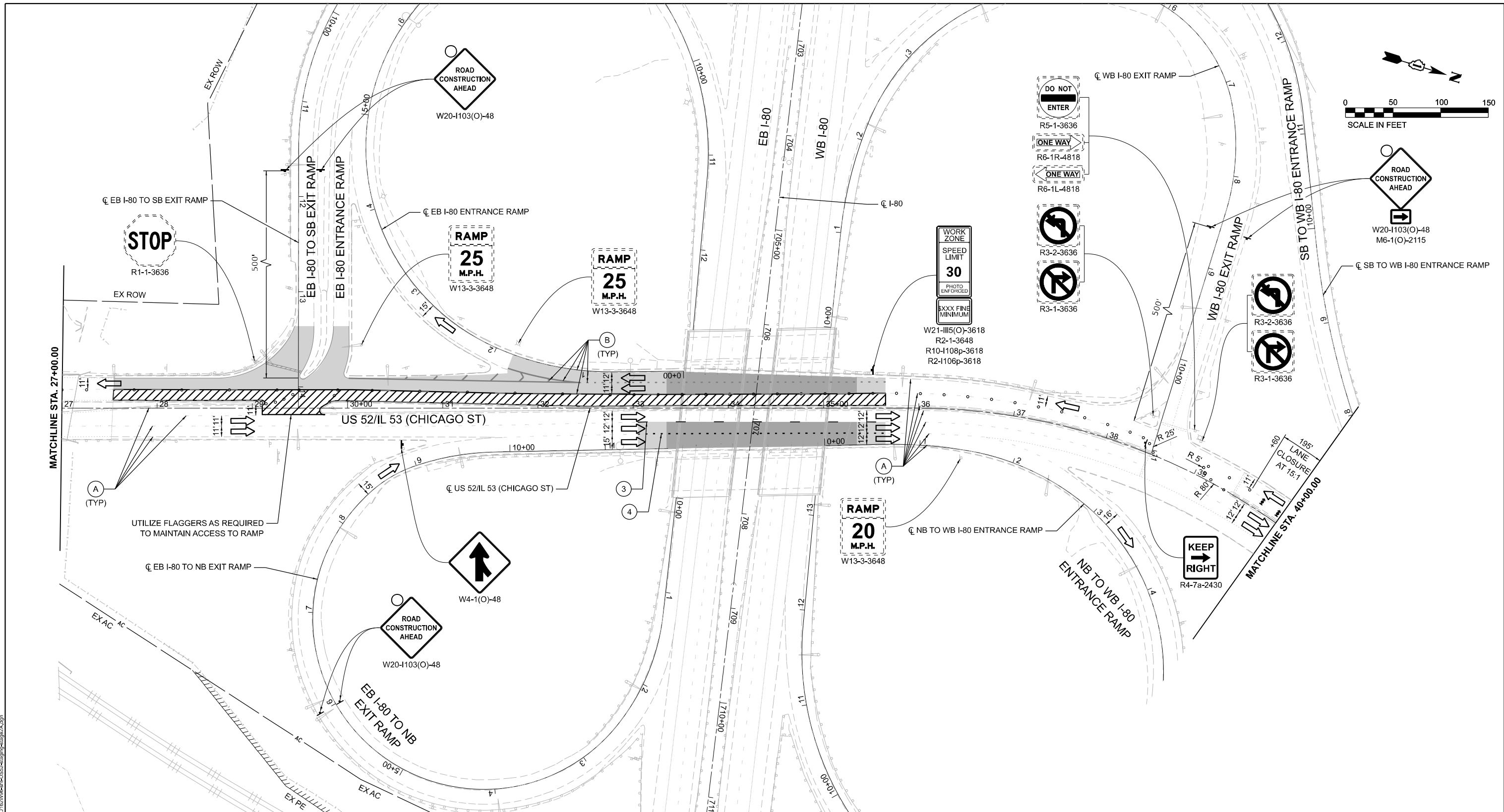
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STAGING PLANS - STAGE 1B
US 52 / IL 53 AT I-80**

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	2024-977-PP	WILL	34	11
CONTRACT NO. 62W96			ILLINOIS FED. AID PROJECT	



LEGEND

- ① TEMP PAVT MARK - LINE 4" - TY IV TAPE (SOLID YELLOW)
- ② TEMP PAVT MARK - LINE 4" - TY IV TAPE (SOLID WHITE)
- ③ TEMP PAVT MARK - LINE 4" - TY IV TAPE (10' DASH - 30' SKIP, WHITE)
- ④ TEMP PAVT MARK - LINE 4" - TY IV TAPE (2' DASH - 6' SKIP, WHITE)
- ⑤ TEMP PAVT MARK - LINE 8" - TY IV TAPE (SOLID WHITE)
- ⑥ NOT USED
- ⑦ TEMP PAVT MARK - LINE 12" - TY IV TAPE (20' SPACING, 45° DIAGONAL, SOLID WHITE)
- ⑧ TEMP PAVT MARK - LINE 24" - TY IV TAPE (SOLID WHITE)
- A EXISTING PAVEMENT MARKING
- B TEMPORARY PAVEMENT MARKING PLACED IN PREVIOUS STAGE

- WORK AREA
- WORK COMPLETED IN PREVIOUS STAGE
- DRUMS OR TYPE II BARRICADES (SPACED AT 50' C-C TANGENT, 20' C-C TAPER, AND 15' C-C IN RADII)
- TYPE III BARRICADES
- ARROW BOARDS
- DIRECTION INDICATOR BARRICADES W/ STEADY BURN MONO-DIRECTIONAL LIGHT AT 20' C-C SPACING IN TAPERS

NOTES

1. VERTICAL BARRICADES SHALL BE USED IN PLACE OF DRUMS OR TYPE II BARRICADES ALONG PATCHING LIMITS.
2. ALL SIGNS NOT SHOWN ON PLANS AND NOT IN CONFLICT WITH STAGING SHALL REMAIN IN PLACE.

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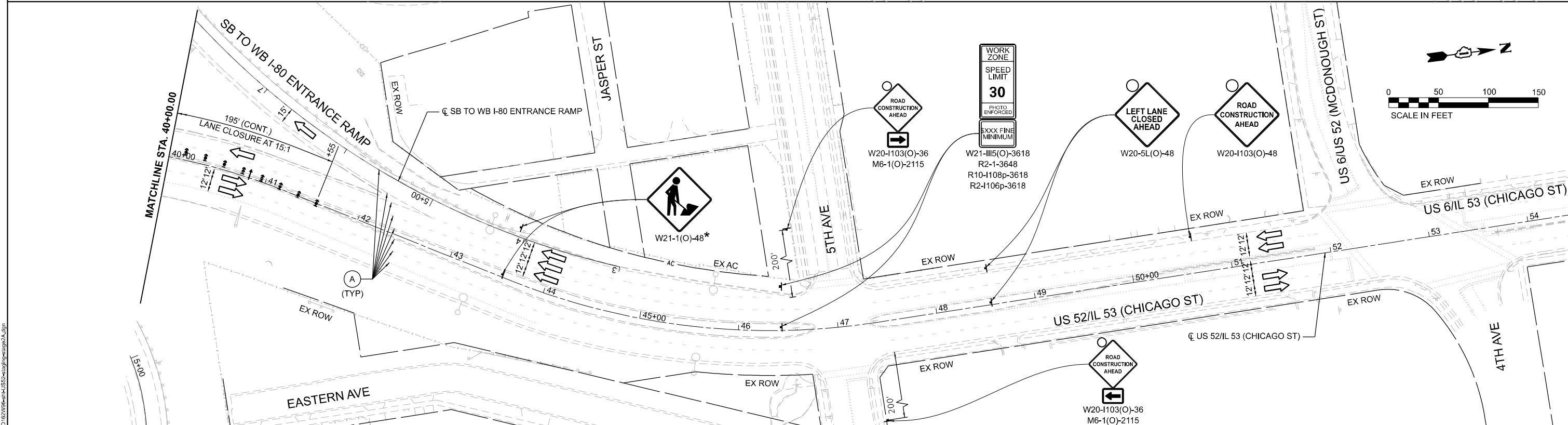
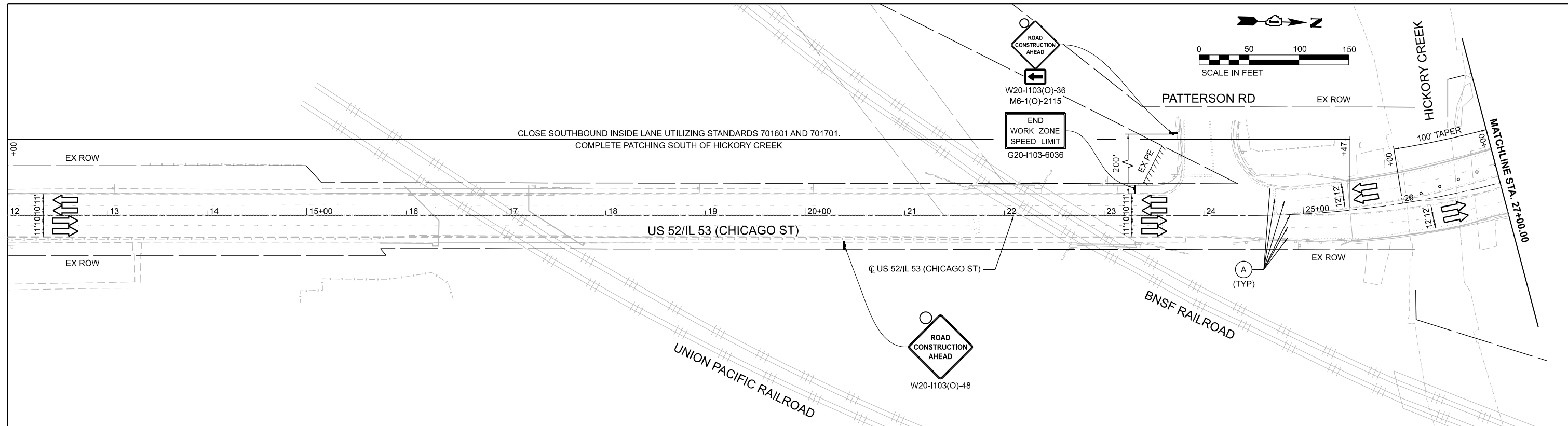
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STAGING PLANS - STAGE 2A
US 52 / IL 53 AT I-80**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 846A	SECTION 2024-977-PP	COUNTY WILL	TOTAL SHEETS 34	SHEET NO. 13
CONTRACT NO. 62W96			ILLINOIS FED. AID PROJECT	



LEGEND

- ① TEMP PAVT MARK - LINE 4" - TY IV TAPE (SOLID YELLOW)
- ② TEMP PAVT MARK - LINE 4" - TY IV TAPE (SOLID WHITE)
- ③ TEMP PAVT MARK - LINE 4" - TY IV TAPE (10' DASH - 30' SKIP, WHITE)
- ④ TEMP PAVT MARK - LINE 4" - TY IV TAPE (2' DASH - 6' SKIP, WHITE)
- ⑤ TEMP PAVT MARK - LINE 8" - TY IV TAPE (SOLID WHITE)
- ⑥ NOT USED
- ⑦ TEMP PAVT MARK - LINE 12" - TY IV TAPE (20' SPACING, 45° DIAGONAL, SOLID WHITE)
- ⑧ TEMP PAVT MARK - LINE 24" - TY IV TAPE (SOLID WHITE)
- (A) EXISTING PAVEMENT MARKING
- (B) TEMPORARY PAVEMENT MARKING PLACED IN PREVIOUS STAGE

- WORK AREA
- WORK COMPLETED IN PREVIOUS STAGE
- DRUMS OR TYPE II BARRICADES (SPACED AT 50' C-C TANGENT, 20' C-C TAPER, AND 15' C-C IN RADII)
- TYPE III BARRICADES
- ARROW BOARDS
- DIRECTION INDICATOR BARRICADES W/ STEADY BURN MONO-DIRECTIONAL LIGHT AT 20' C-C SPACING IN TAPERS

NOTES

1. VERTICAL BARRICADES SHALL BE USED IN PLACE OF DRUMS OR TYPE II BARRICADES ALONG PATCHING LIMITS.
 2. ALL SIGNS NOT SHOWN ON PLANS AND NOT IN CONFLICT WITH STAGING SHALL REMAIN IN PLACE.
- * WORKERS SIGN (W21-1) TO BE REMOVED OR COVERED WHEN WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR.

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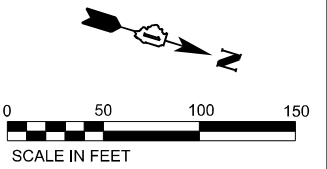
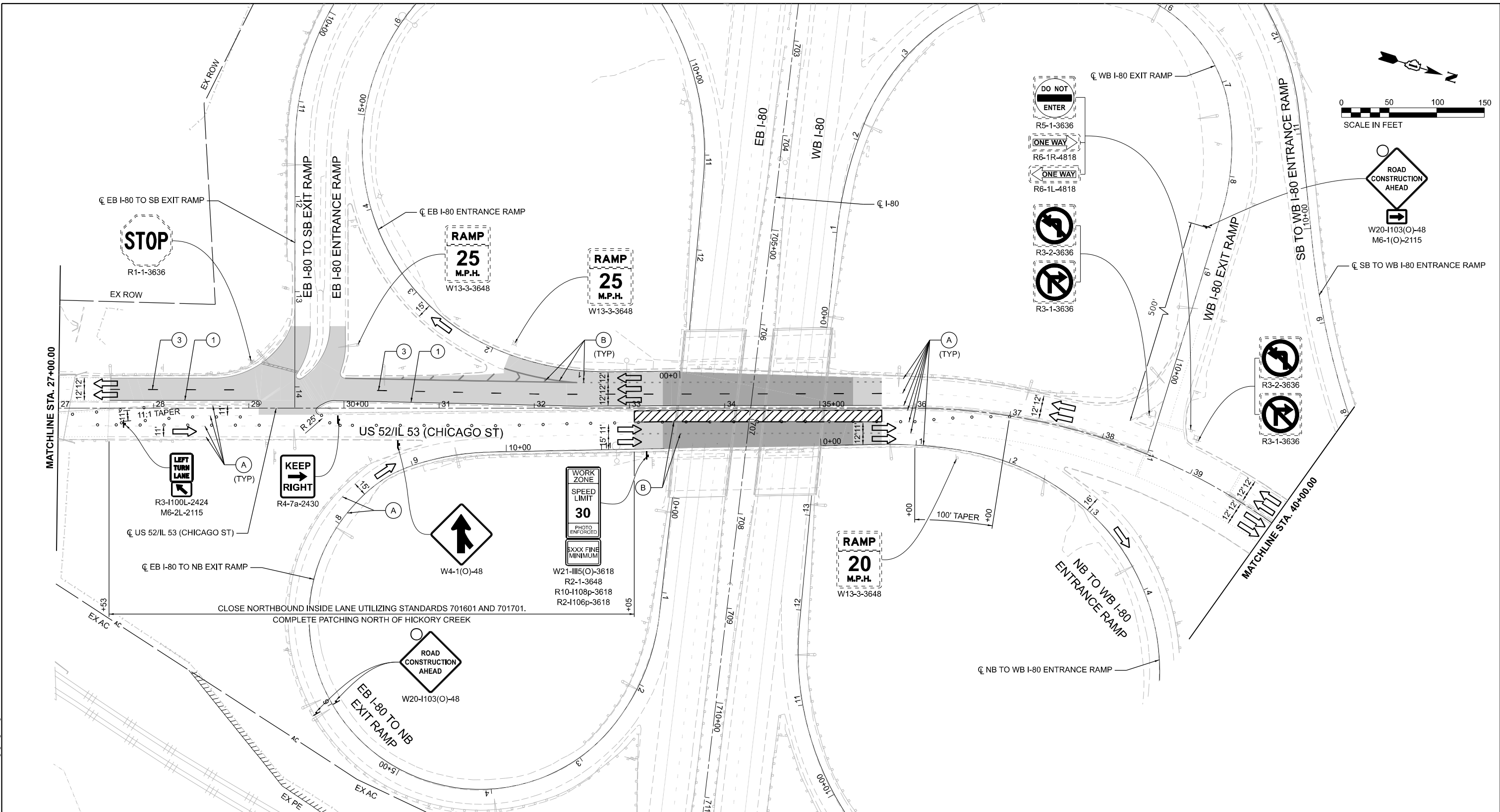
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PLOT DATE = 6/20/2024	DATE - 6/20/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STAGING PLANS - STAGE 2A
US 52 / IL 53 AT I-80**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	2024-977-PP	WILL	34	14
CONTRACT NO. 62W96			ILLINOIS FED. AID PROJECT	



LEGEND

- | | |
|--|---|
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| ② TEMP PAVT MARK - LINE 4" - TY IV TAPE (SOLID WHITE) | ⑦ TEMP PAVT MARK - LINE 12" - TY IV TAPE (20' SPACING, 45° DIAGONAL, SOLID WHITE) |
| ③ TEMP PAVT MARK - LINE 4" - TY IV TAPE (10' DASH - 30' SKIP, WHITE) | ⑧ TEMP PAVT MARK - LINE 24" - TY IV TAPE (SOLID WHITE) |
| ④ TEMP PAVT MARK - LINE 4" - TY IV TAPE (2' DASH - 6' SKIP, WHITE) | A EXISTING PAVEMENT MARKING |
| ⑤ TEMP PAVT MARK - LINE 8" - TY IV TAPE (SOLID WHITE) | B TEMPORARY PAVEMENT MARKING PLACED IN PREVIOUS STAGE |

- | | |
|--|---|
| | WORK AREA |
| | WORK COMPLETED IN PREVIOUS STAGE |
| | DRUMS OR TYPE II BARRICADES (SPACED AT 50' C-C TANGENT, 20' C-C TAPER, AND 15' C-C IN RADIUS) |
| | TYPE III BARRICADES |
| | ARROW BOARDS |
| | DIRECTION INDICATOR BARRICADES W/ STEADY BURN MONO-DIRECTIONAL LIGHT AT 20' C-C SPACING IN TAPERS |

NOTES

- VERTICAL BARRICADES SHALL BE USED IN PLACE OF DRUMS OR TYPE II BARRICADES ALONG PATCHING LIMITS.
- ALL SIGNS NOT SHOWN ON PLANS AND NOT IN CONFLICT WITH STAGING SHALL REMAIN IN PLACE.



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	DRAWN - JB	REVISED -
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PLOT DATE = 6/20/2024	DATE - 6/20/2024	REVISED -

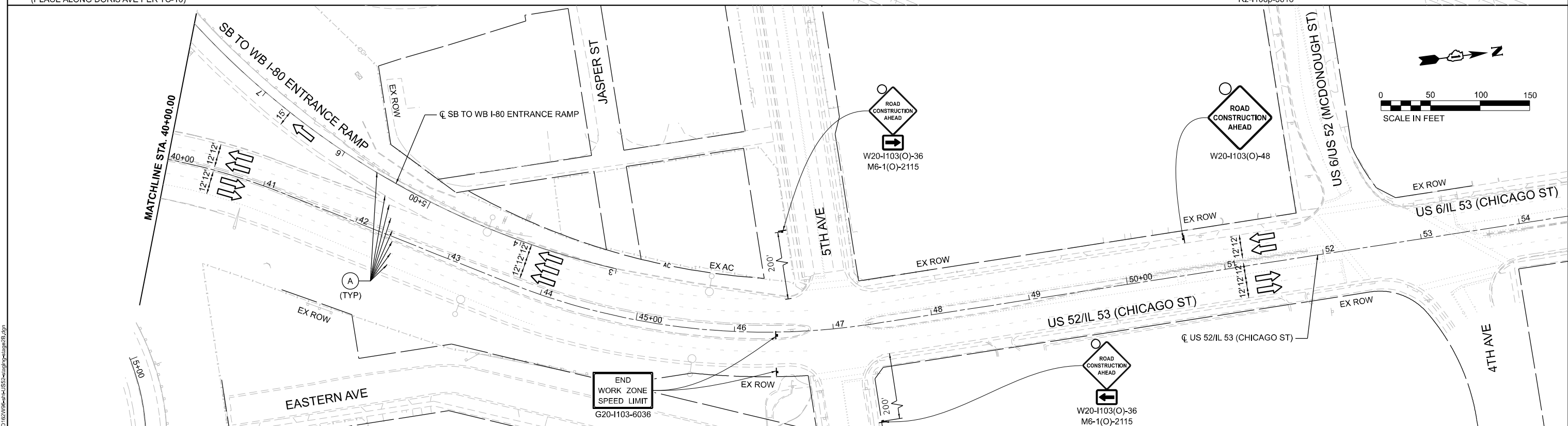
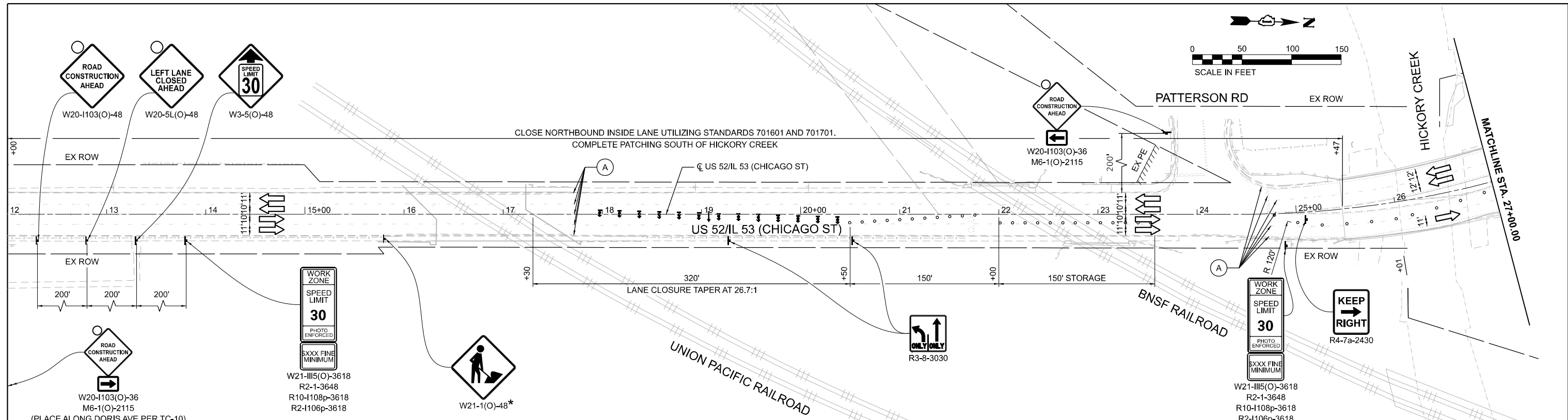
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGING PLANS - STAGE 2B
US 52 / IL 53 AT I-80

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	2024-977-PP	WILL	34	15
CONTRACT NO. 62W96			ILLINOIS FED.AID PROJECT	

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LEGEND

- ① TEMP PAVT MARK - LINE 4" - TY IV TAPE (SOLID YELLOW)
- ② TEMP PAVT MARK - LINE 4" - TY IV TAPE (SOLID WHITE)
- ③ TEMP PAVT MARK - LINE 4" - TY IV TAPE (10' DASH - 30' SKIP, WHITE)
- ④ TEMP PAVT MARK - LINE 4" - TY IV TAPE (2' DASH - 6' SKIP, WHITE)
- ⑤ TEMP PAVT MARK - LINE 8" - TY IV TAPE (SOLID WHITE)
- ⑥ NOT USED
- ⑦ TEMP PAVT MARK - LINE 12" - TY IV TAPE (20' SPACING, 45° DIAGONAL, SOLID WHITE)
- ⑧ TEMP PAVT MARK - LINE 24" - TY IV TAPE (SOLID WHITE)
- A EXISTING PAVEMENT MARKING
- B TEMPORARY PAVEMENT MARKING PLACED IN PREVIOUS STAGE

- WORK AREA
- WORK COMPLETED IN PREVIOUS STAGE
- DRUMS OR TYPE II BARRICADES (SPACED AT 50' C-C TANGENT, 20' C-C TAPER, AND 15' C-C IN RADIUS)
- TYPE III BARRICADES
- ARROW BOARDS
- DIRECTION INDICATOR BARRICADES W/ STEADY BURN MONO-DIRECTIONAL LIGHT AT 20' C-C SPACING IN TAPERS

NOTES

1. VERTICAL BARRICADES SHALL BE USED IN PLACE OF DRUMS OR TYPE II BARRICADES ALONG PATCHING LIMITS.
 2. ALL SIGNS NOT SHOWN ON PLANS AND NOT IN CONFLICT WITH STAGING SHALL REMAIN IN PLACE.
- * WORKERS SIGN (W21-1) TO BE REMOVED OR COVERED WHEN WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR.

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EFK Moen
Civil Engineering Design

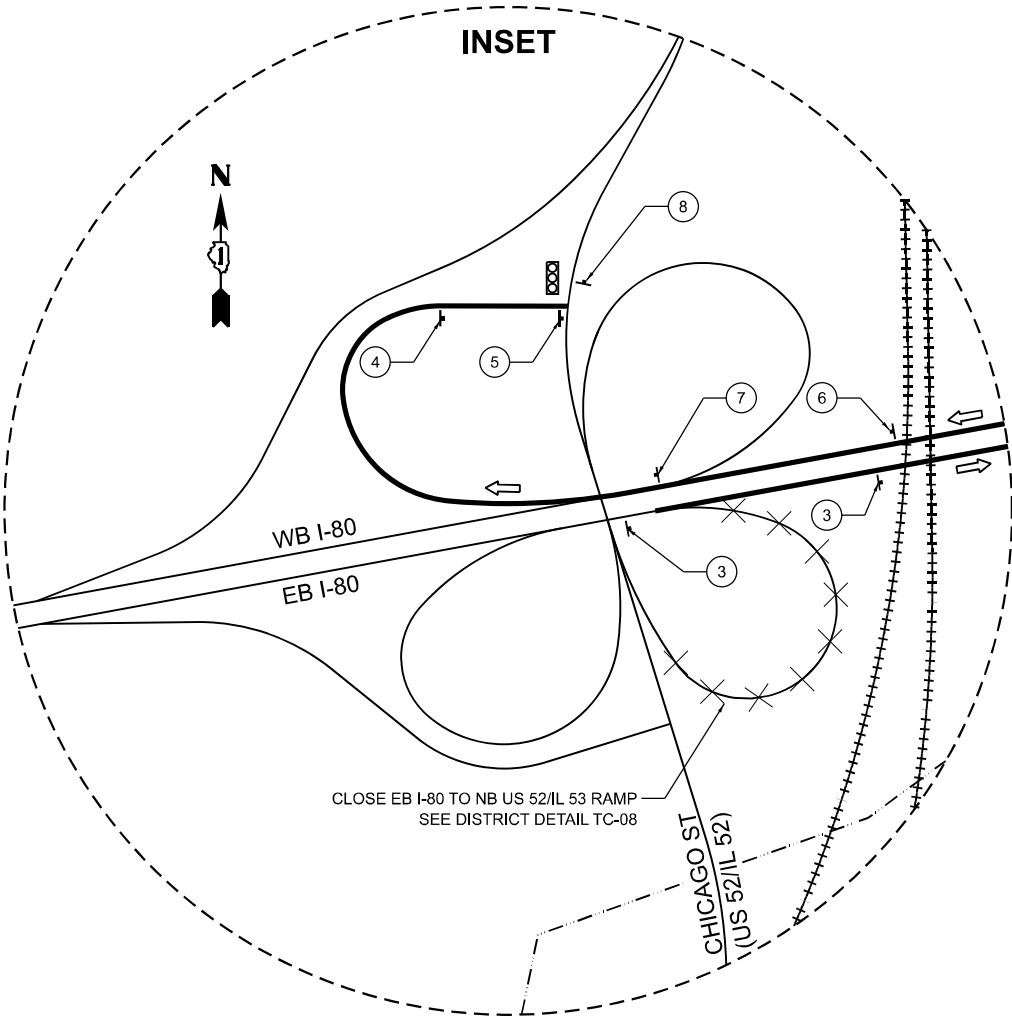
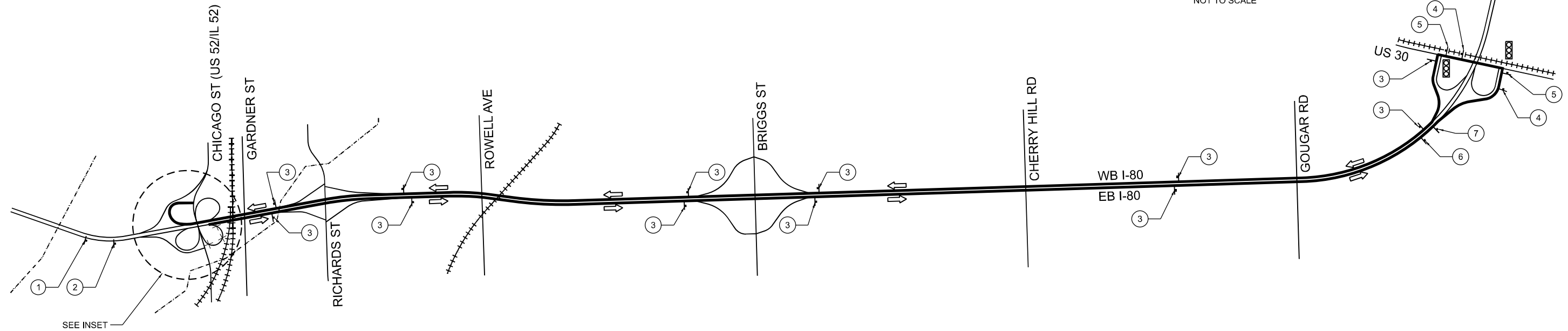
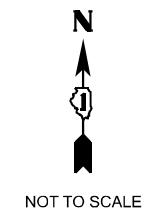
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PLOT DATE = 6/20/2024	DATE = 6/20/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STAGING PLANS - STAGE 2B
US 52 / IL 53 AT I-80**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	2024-977-PP	WILL	34	16
CONTRACT NO. 62W96			ILLINOIS FED. AID PROJECT	



- 1 W20-30-48(O)
(W AMBER BEACON)
- 2 W20-2-48(O)
(W AMBER BEACON)
- 3 M4-8-36x18(O)
M3-4-36x18(O)
M1-4-36x36
M3-1-36x18(O)
M1-5-36x36
M6-3P-30x21
- 4 M4-8-24x12(O)
M3-4-24x12(O)
M1-4-24x24
M3-1-24x12(O)
M1-5-24x24
M5-1P-21x15
- 5 M4-8-24x12(O)
M3-4-24x12(O)
M1-4-24x24
M3-1-24x12(O)
M1-5-24x24
M6-1P-21x15
- 6 M4-8-36x18(O)
M3-4-36x18(O)
M1-4-36x36
M3-1-36x18(O)
M1-5-36x36
M5-2P-30x21
- 7 M4-8-36x18(O)
M3-4-36x18(O)
M1-4-36x36
M3-1-36x18(O)
M1-5-36x36
M6-2P-30x21
- 8 M4-8A-24x18(O)

LEGEND

- DIRECTION OF TRAFFIC
- EXISTING TRAFFIC SIGNAL
- PROPOSED DETOUR
- DETOUR VIA EB I-80 - US 30 - WB I-80
- DETOUR LENGTH 10.3 MILES

NOTES

1. SIGNS DESIGNATED AS (O) SHALL HAVE FLUORESCENT ORANGE SHEETING MATERIAL.

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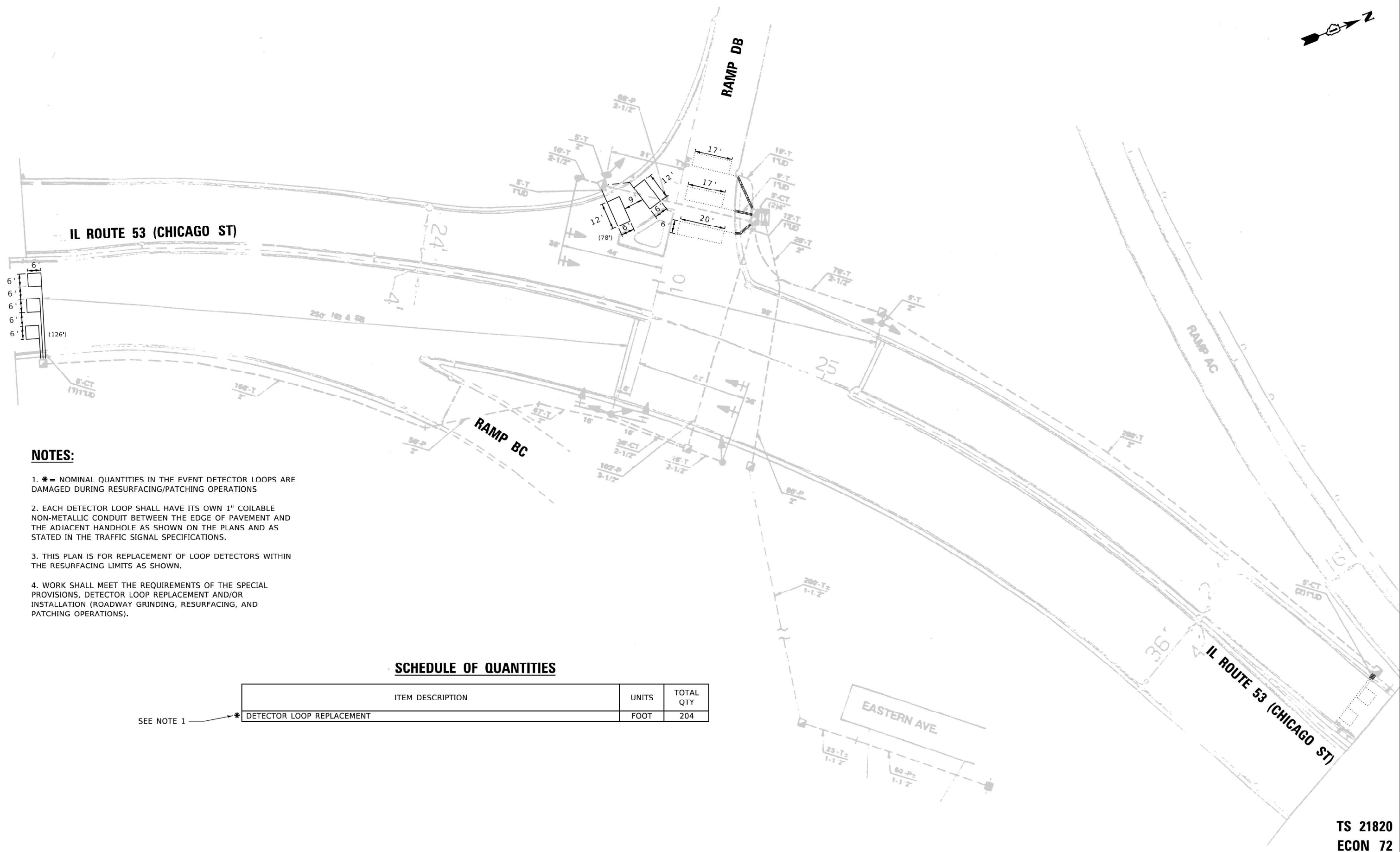
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STAGE 1B DETOUR MAP
US 52 / IL 53 AT I-80**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	2024-977-PP	WILL	34	17
CONTRACT NO. 62W96				
ILLINOIS		FED. AID PROJECT		



NOTES:

- 1. * = NOMINAL QUANTITIES IN THE EVENT DETECTOR LOOPS ARE DAMAGED DURING RESURFACING/PATCHING OPERATIONS
- 2. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.
- 3. THIS PLAN IS FOR REPLACEMENT OF LOOP DETECTORS WITHIN THE RESURFACING LIMITS AS SHOWN.
- 4. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISIONS, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING, AND PATCHING OPERATIONS).

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY
* DETECTOR LOOP REPLACEMENT	FOOT	204

SEE NOTE 1

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**TS 21820
ECON 72**

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PLOT SCALE = 40.0000' / in.	DRAWN - J.LARSON	REVISED -									846A	2024-977-PP	WILL	34	18
PLOT DATE = 6/5/2024	CHECKED -	REVISED -									CONTRACT NO. 62W96				
DATE - 6/4/2024	DATE - 6/4/2024	REVISED -									ILLINOIS FED. AID PROJECT				
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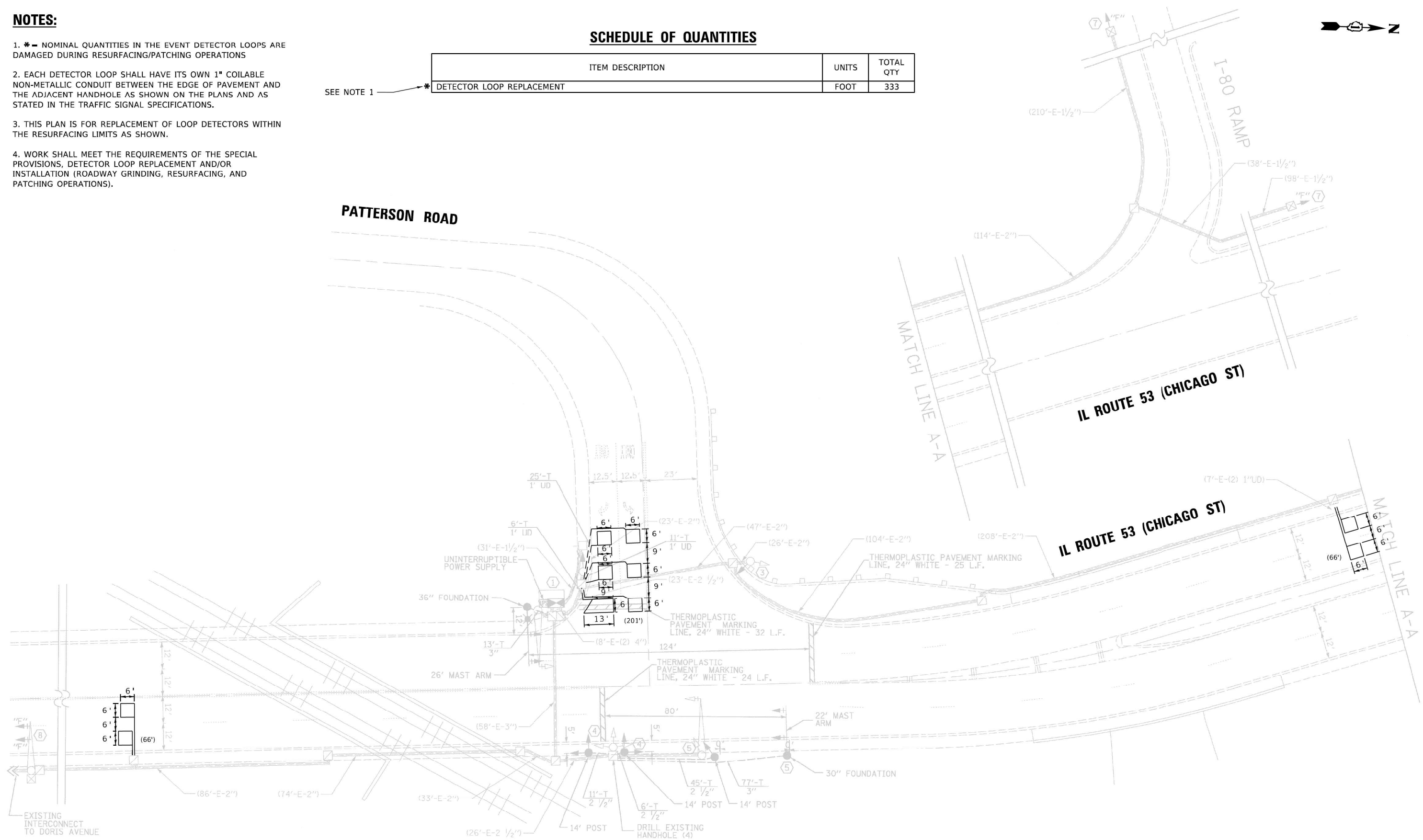
NOTES:

- * - NOMINAL QUANTITIES IN THE EVENT DETECTOR LOOPS ARE DAMAGED DURING RESURFACING/PATCHING OPERATIONS
- EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.
- THIS PLAN IS FOR REPLACEMENT OF LOOP DETECTORS WITHIN THE RESURFACING LIMITS AS SHOWN.
- WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISIONS, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING, AND PATCHING OPERATIONS).

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY
* DETECTOR LOOP REPLACEMENT	FOOT	333

SEE NOTE 1



**TS 11950
ECON 72**

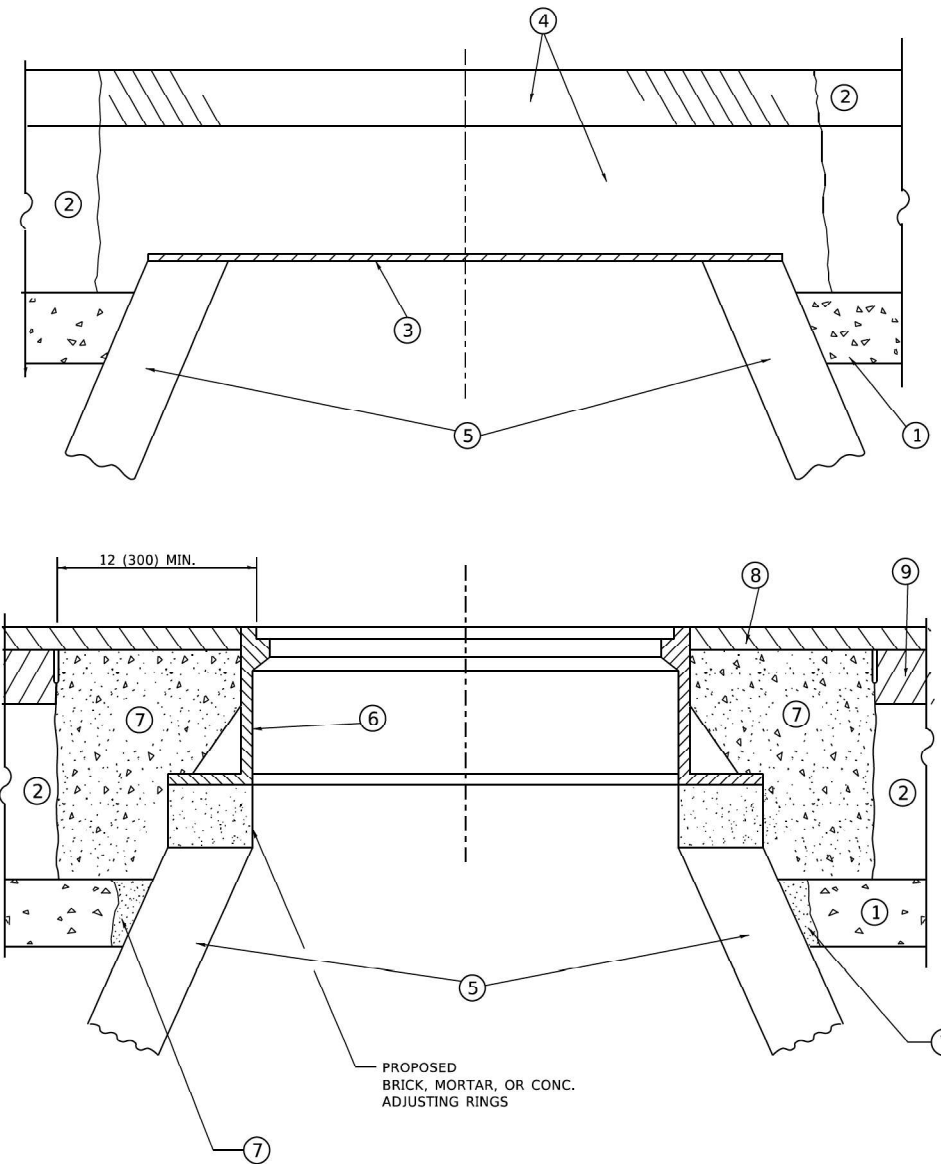
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	DATE - 6/4/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETECTOR LOOP REPLACEMENT PLAN	
IL ROUTE 53 (CHICAGO STREET)/U.S. ROUTE 52 AND PATTERSON ROAD	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	2024-977-PP	WILL	34	19
CONTRACT NO. 62W96			ILLINOIS FED. AID PROJECT	



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

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.
5. THE CONTRACTOR SHALL REMOVE ALL TRAFFIC CONTROL DEVICES BY THE END OF EACH WORK SHIFT.

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. 3 (80) 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-2* 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-2* 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

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PLOT DATE = 9/15/2023	CHECKED -	REVISED - K. SMITH 11-18-22
	DATE - 10-25-94	REVISED - K. SMITH 09-15-23

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

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

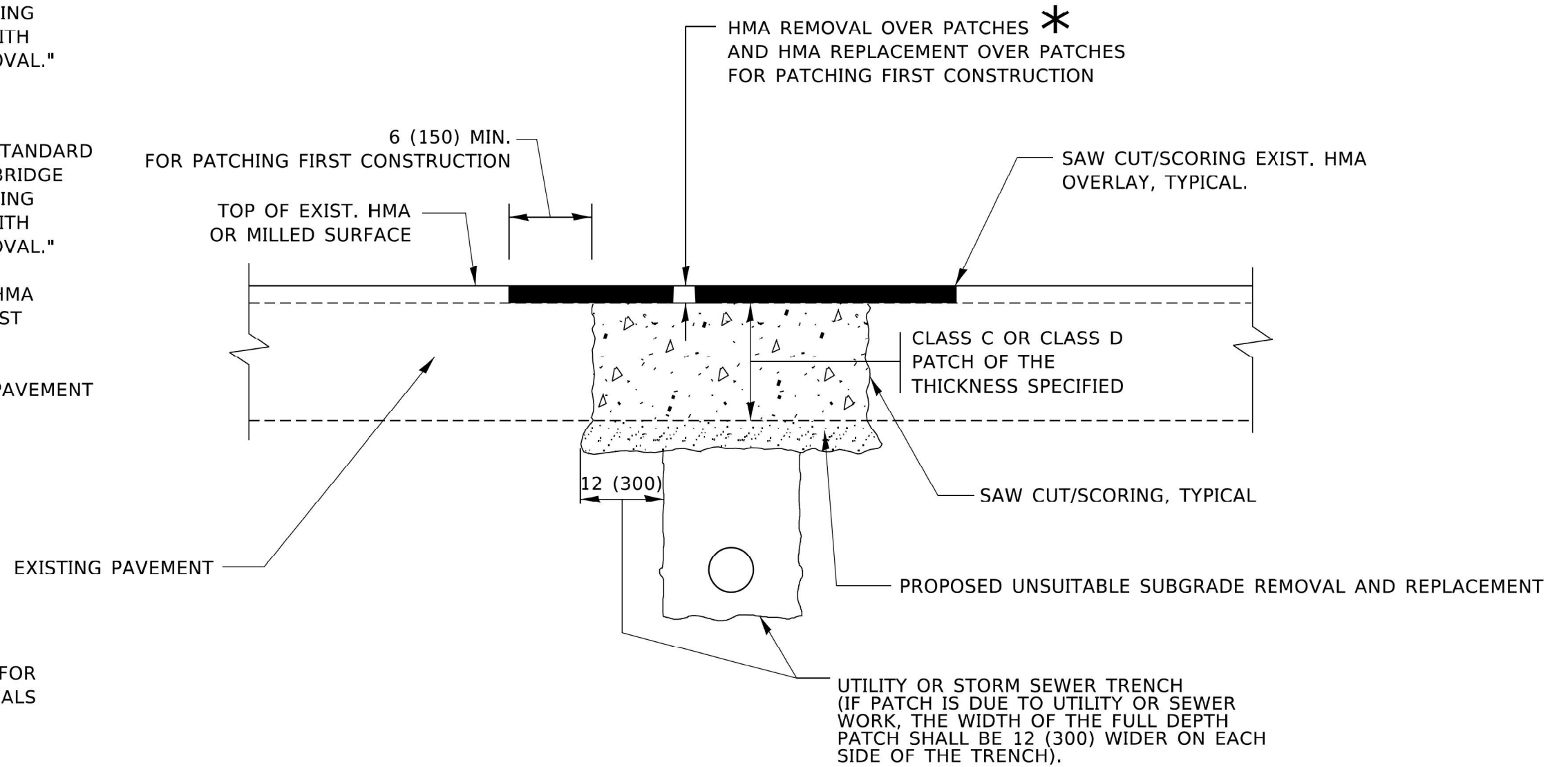
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846A	2024-977-PP	WILL	34	20
BD600-03 (BD-08)			CONTRACT NO. 62W96	
ILLINOIS FED. AID PROJECT				

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.

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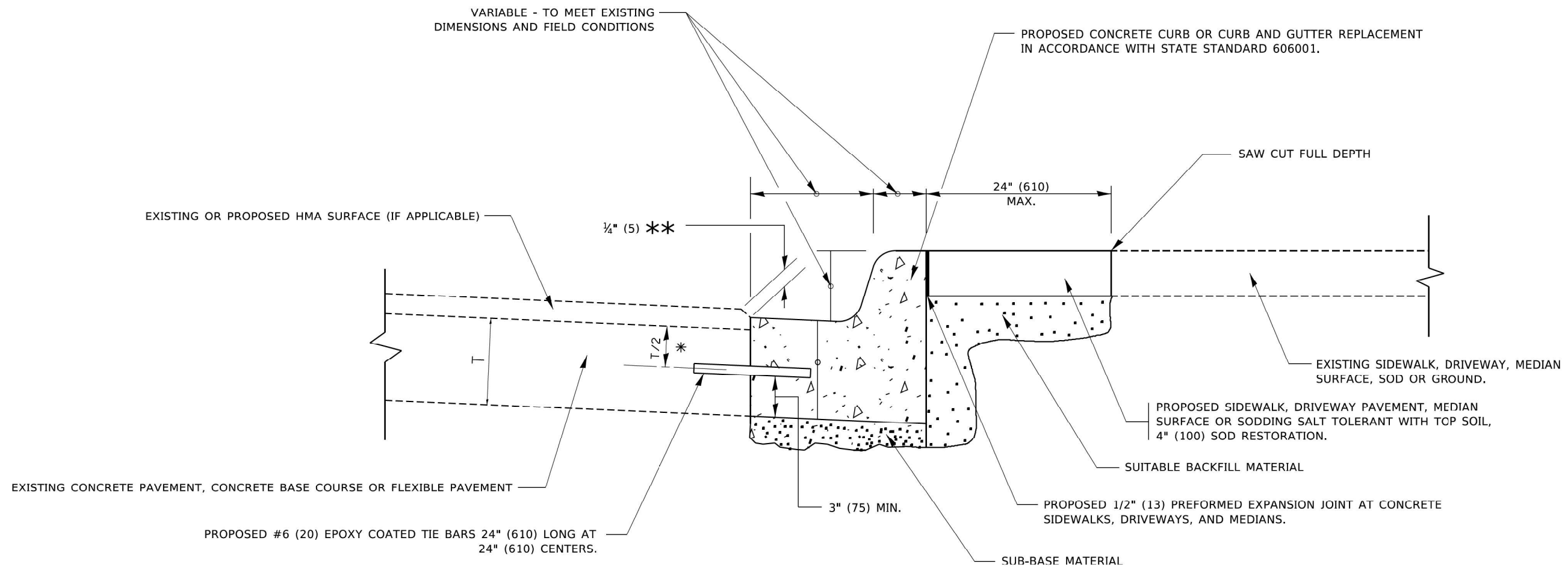
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PLOT DATE = 11/18/2022	DATE - 10-25-94	REVISED - K. SMITH 11-18-22

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT PATCHING FOR
HMA SURFACED PAVEMENT**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	2024-977-PP	WILL	34	21
BD400-04 (BD-22)		CONTRACT NO. 62W96		
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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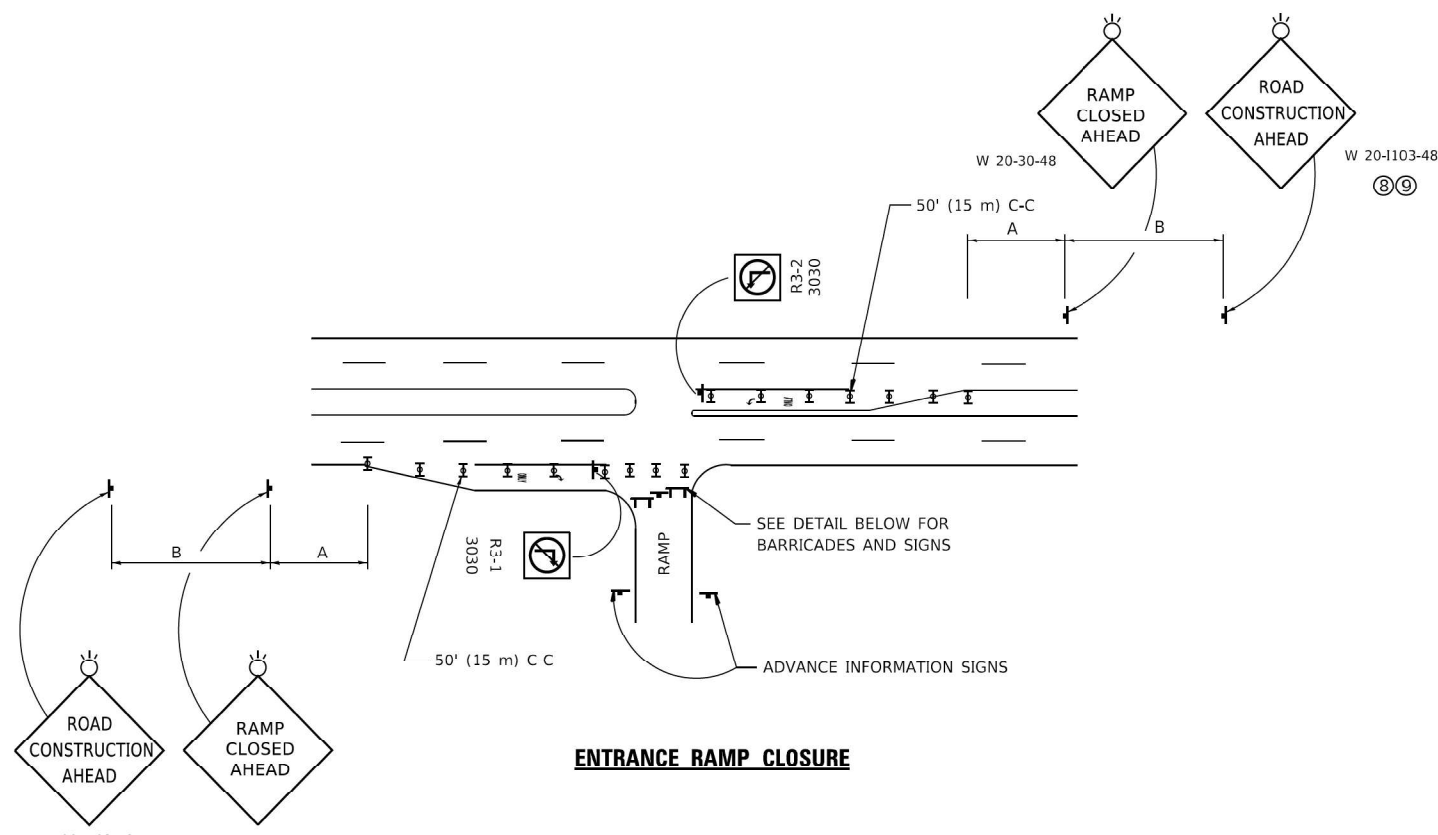
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	DATE - 03-11-94	REVISED - K. SMITH 07-11-19

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CURB OR CURB AND GUTTER
REMOVAL AND REPLACEMENT**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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BD600-06 (BD-24)			CONTRACT NO. 62W96	
ILLINOIS FED. AID PROJECT				

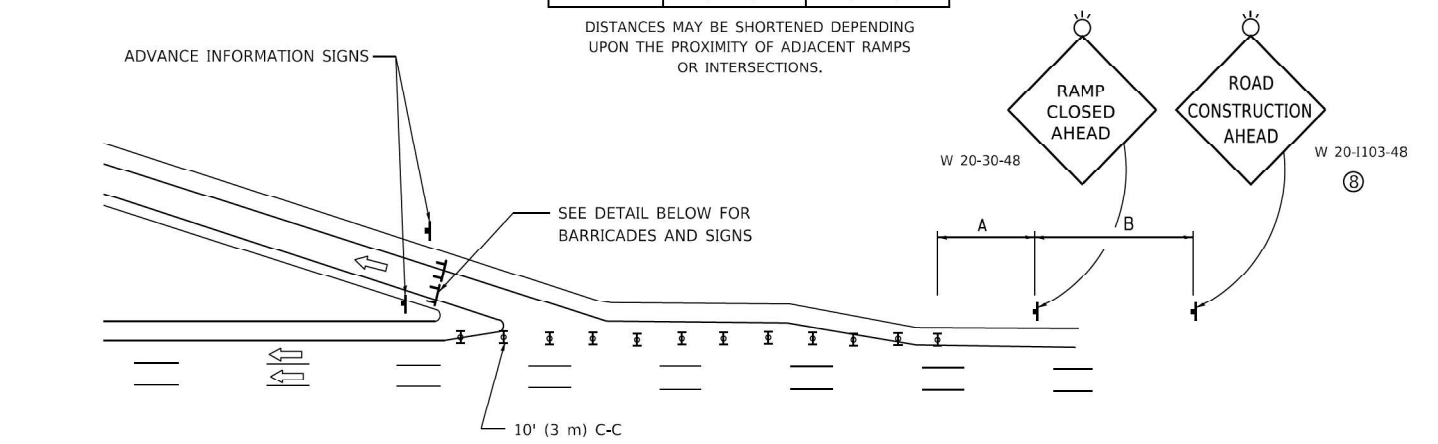


ENTRANCE RAMP CLOSURE

SIGN SPACING TABLE

FACILITY	DISTANCE BETWEEN SIGNS	
	A	B
EXPRESSWAY >24 HOURS	1000' (300 m)	1500' (450 m)
EXPRESSWAY ≤24 HOURS	500' (150 m)	500' (150 m)
ARTERIAL 55 MPH	500' (150 m)	500' (150 m)
ARTERIAL 50-45 MPH	350' (100 m)	350' (100 m)
ARTERIAL <45 MPH	200' (60 m)	200' (60 m)

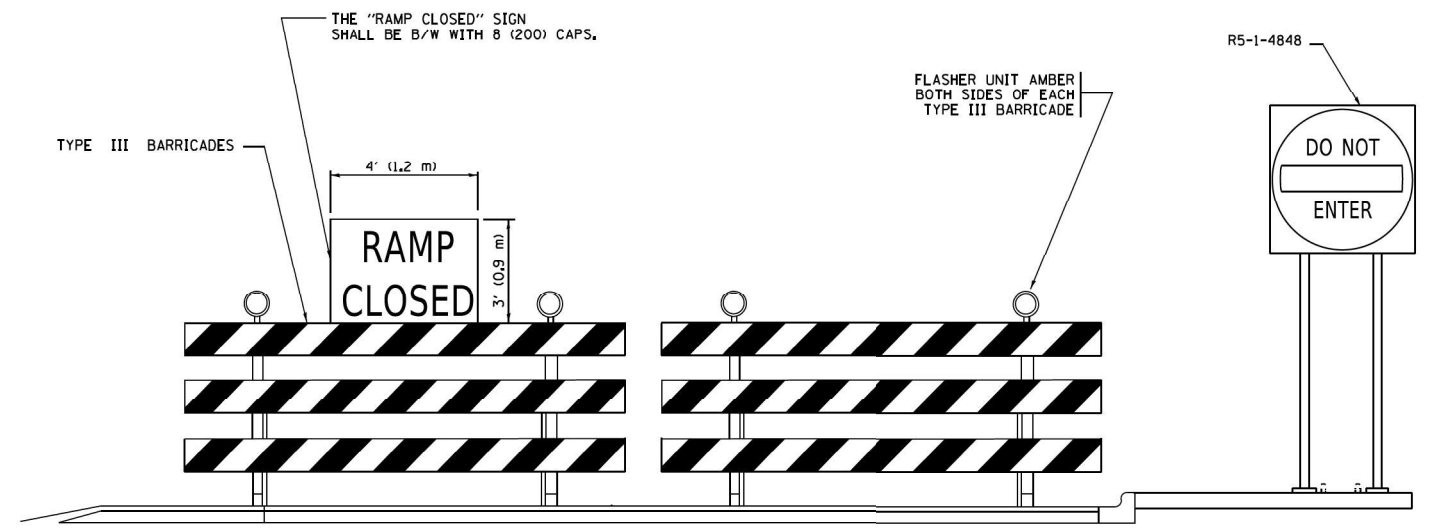
DISTANCES MAY BE SHORTENED DEPENDING UPON THE PROXIMITY OF ADJACENT RAMPS OR INTERSECTIONS.



EXIT RAMP CLOSURE

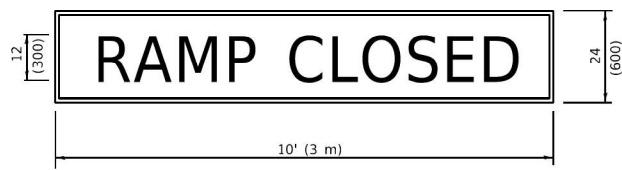
SYMBOLS

- ▬ TYPE II BARRICADE OR DRUM
- ▬ TYPE III BARRICADE WITH 2 FLASHING LIGHTS



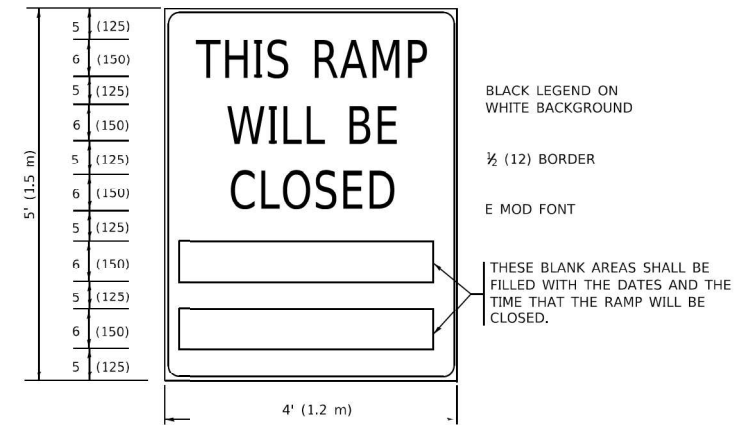
DETAIL FOR REQUIRED BARRICADES & SIGNS

RAMP CLOSURE ADVANCE WARNING SIGN



BLACK LEGEND ON ORANGE BACKGROUND MOUNTED DIAGONALLY
E MOD FONT
1 (25) BORDER
THESE SIGNS ARE REQUIRED ON ALL THE EXIT GUIDE SIGNS FOR EXIT RAMPS THAT WILL BE CLOSED FOR MORE THAN FOUR (4) CONSECUTIVE DAYS.

RAMP CLOSURE ADVANCE INFORMATION SIGN



BLACK LEGEND ON WHITE BACKGROUND
1/2 (12) BORDER
E MOD FONT
THESE BLANK AREAS SHALL BE FILLED WITH THE DATES AND THE TIME THAT THE RAMP WILL BE CLOSED.

THESE SIGNS ARE REQUIRED ON BOTH SIDES OF THE RAMP, MINIMUM OF 1 WEEK IN ADVANCE OF THE CLOSURE.
THESE SIGNS SHALL BE FABRICATED AND PAID FOR ACCORDING TO THE TEMPORARY INFORMATION SIGNING SPECIAL PROVISION

GENERAL NOTES:

- ① CONES MAY BE SUBSTITUTED FOR DRUMS OR TYPE II BARRICADES DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (700) HIGH.
- ② VERTICAL BARRICADES SHALL NOT BE USED FOR RAMP CLOSURES.
- ③ A FLAGGER SHALL BE POSITIONED AT EACH CLOSED RAMP THAT IS OPEN TO CONSTRUCTION VEHICLES, PRECEDED BY A W20-7 FLAGGER WARNING SIGN.
- ④ ALL ROUTE MARKERS AND TRAILBLAZER ASSEMBLIES WHICH DIRECT MOTORISTS TO A CLOSED ENTRANCE RAMP SHALL BE COVERED WHEN THE RAMP IS CLOSED FOR MORE THAN FOUR (4) DAYS.
- ⑤ THE SIGNING AND BARRICADING WHICH IS REQUIRED BY THIS DETAIL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).
- ⑥ AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL RAMP CLOSURES.
- ⑦ THE RAMP CLOSURE ADVANCE INFORMATION SIGNS SHALL BE ERECTED IF THE CLOSURE TIME EXCEEDS TWENTY-FOUR (24) HOURS. ADDITIONAL ADVANCE WARNING SIGNS ON EXIT GUIDE SIGNING WILL BE REQUIRED FOR EXIT RAMP CLOSURES THAT EXCEED FOUR (4) DAYS IN LENGTH.
- ⑧ ROAD CONSTRUCTION AHEAD SIGNS MAY BE OMITTED WHEN THIS DETAIL IS USED IN CONJUNCTION WITH OTHER TRAFFIC CONTROL THAT ALREADY INCLUDES A ROAD CONSTRUCTION AHEAD SIGN.
- ⑨ ARTERIAL ROAD CONSTRUCTION AHEAD SIGNS SHALL BE INSTALLED ON THE LEFT SIDE OF TRAFFIC IF THE MEDIAN IS MORE THAN 10 FT WIDE.

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

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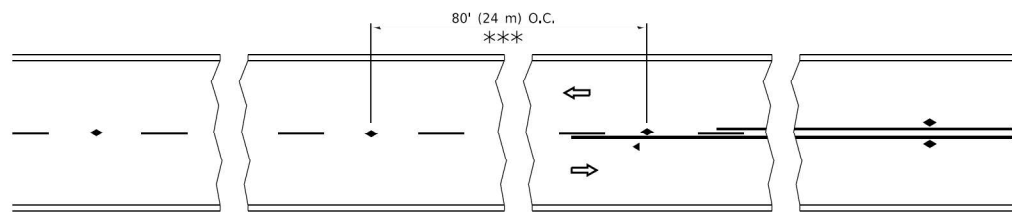
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	DATE - 02-83	REVISED - D.S._05-24

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ENTRANCE_AND_EXIT_RAMP
CLOSURE_DETAILS**

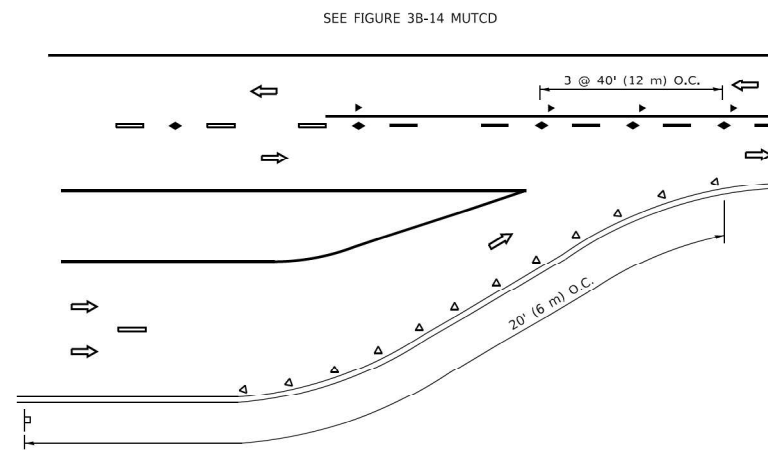
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ILLINOIS		FED. AID PROJECT		

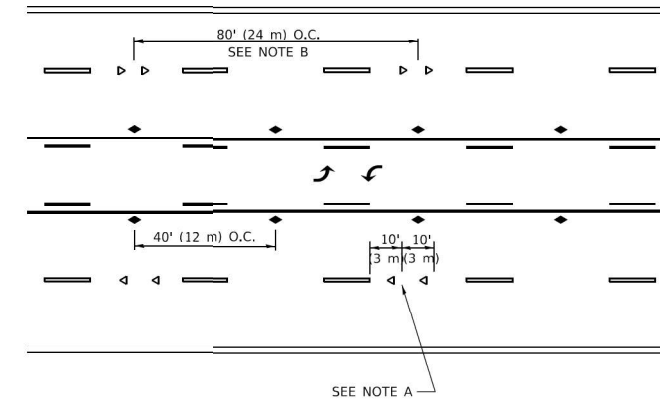


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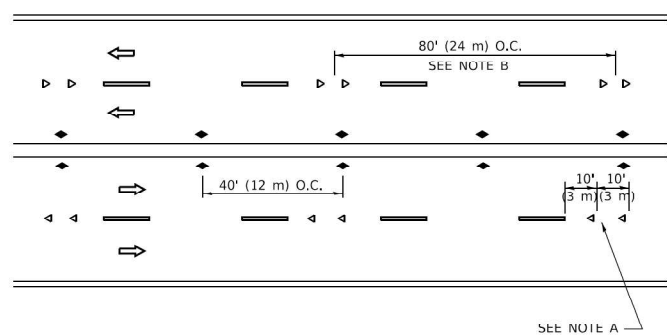
TWO-LANE/TWO-WAY



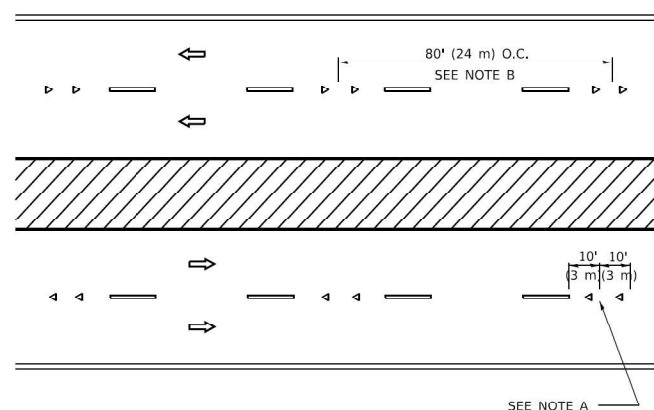
LANE REDUCTION TRANSITION



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

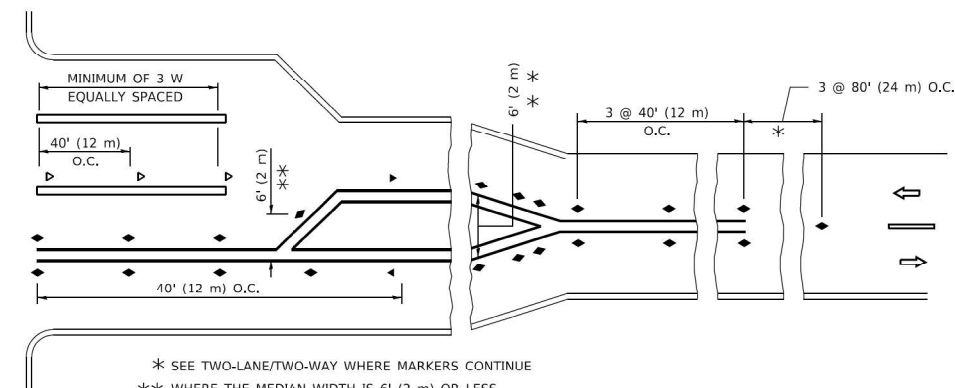
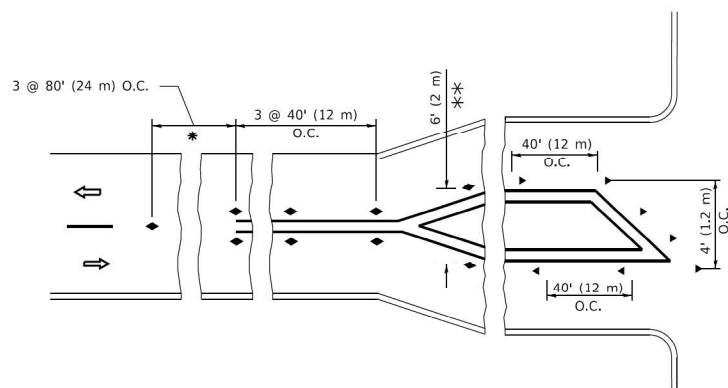
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

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.

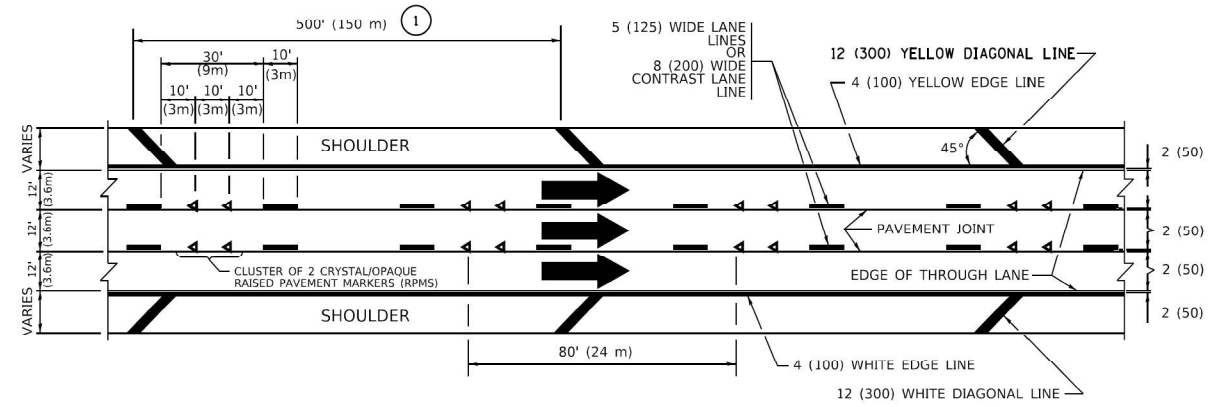
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PLOT SCALE = 50.0000 "/in.	DRAWN -	REVISED - T. RAMMACHER 01-06-00
PLOT DATE = 3/4/2019	CHECKED -	REVISED - C. JUCIUS 09-09-09
	DATE -	REVISED - C. JUCIUS 07-01-13

**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.

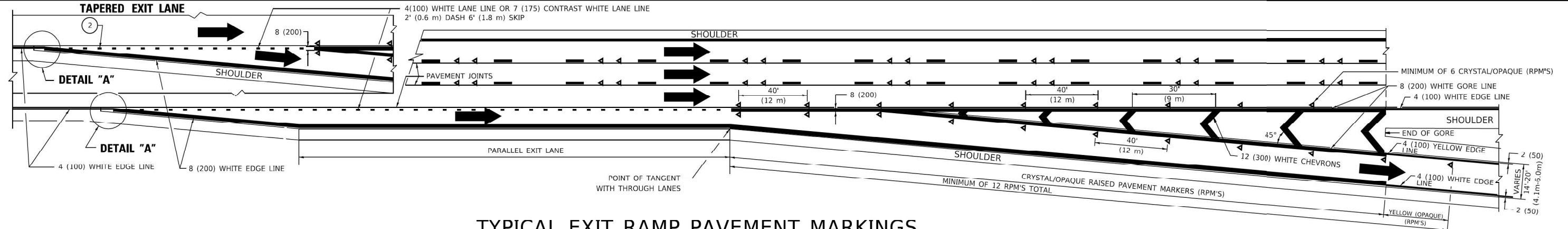
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-11			CONTRACT NO. 62W96	
ILLINOIS FED. AID PROJECT				



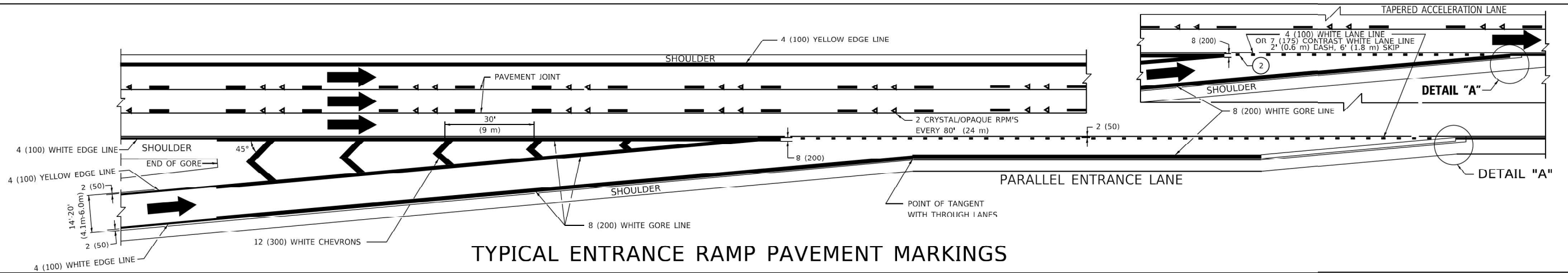
TYPICAL EDGE LINES & LANE LINES

PAVEMENT MARKING MATERIALS

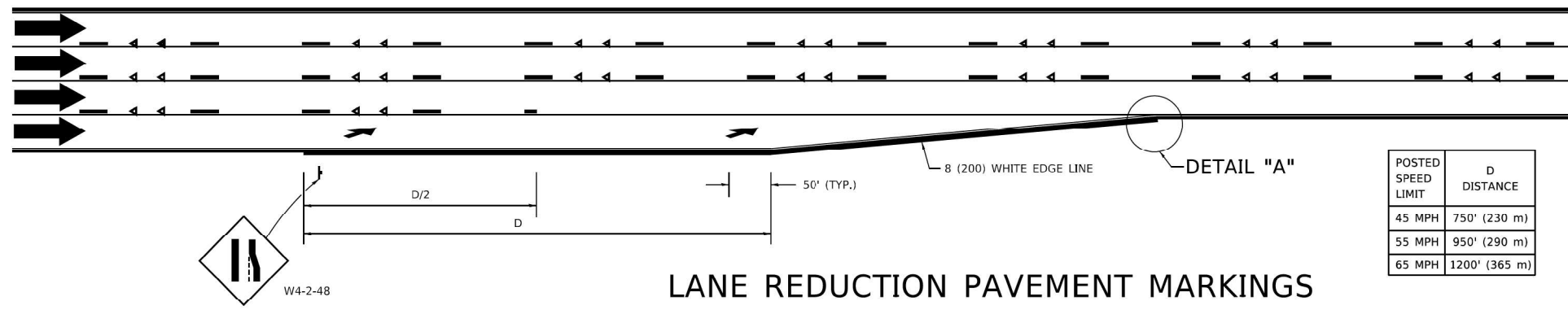
1. THERMOPLASTIC PAVEMENT MARKING LINE SHALL BE USED FOR ALL EDGE LINES, GORE LINES, AND DIAGONAL LINES ON HMA PAVEMENTS.
2. POLYUREA OR MODIFIED URETHANE PAVEMENT MARKING LINE SHALL BE USED FOR ALL EDGE LINES, GORE LINES, AND DIAGONAL LINES ON PCC PAVEMENTS.
3. PREFORMED PLASTIC PAVEMENT MARKING LINE TYPE D, INLAID OR GROOVE IN, SHALL BE USED FOR ALL LANE LINES ON HMA PAVEMENTS.
4. CONTRAST PREFORMED PLASTIC PAVEMENT MARKING LINE TYPE B, GROOVE IN, SHALL BE USED FOR ALL LANE LINES ON PCC PAVEMENT.



TYPICAL EXIT RAMP PAVEMENT MARKINGS

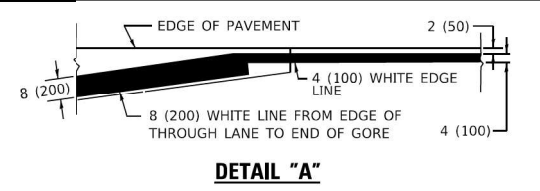


TYPICAL ENTRANCE RAMP PAVEMENT MARKINGS



LANE REDUCTION PAVEMENT MARKINGS

POSTED SPEED LIMIT	D DISTANCE
45 MPH	750' (230 m)
55 MPH	950' (290 m)
65 MPH	1200' (365 m)



- NOTES:**
- ① THE DIAGONAL LINES SHALL BE SPACED AT 40' (12 m) C-C ACROSS ALL STRUCTURES WHICH ARE 500' (150 m) OR LESS IN LENGTH. THE DIAGONAL LINES ARE NOT REQUIRED ON SHOULDERS WHICH ARE 6' (1.8 m) OR LESS IN WIDTH.
 - ② 4" (2' DASH, 6' SKIP) MARKING ON TAPERED ENTRANCE AND EXIT RAMP SHALL BE OMITTED ON TANGENT SECTIONS.

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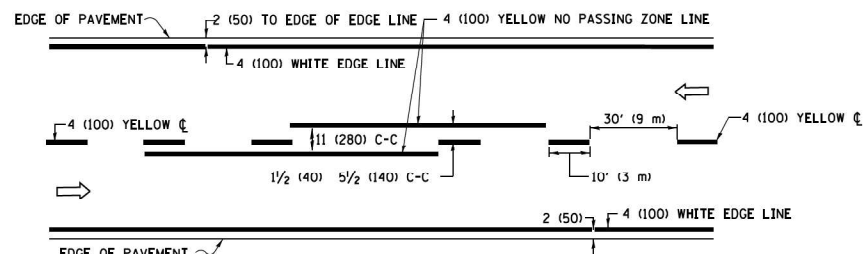
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

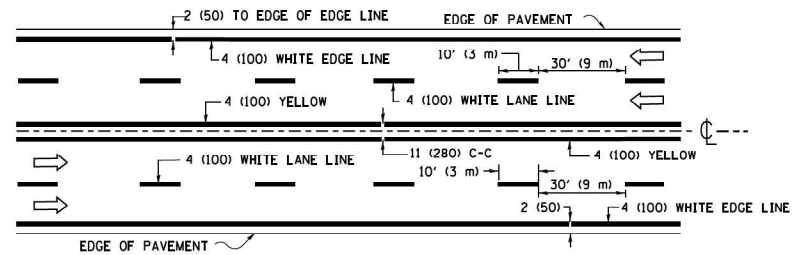
MULTI-LANE FREEWAY
PAVEMENT MARKING DETAILS

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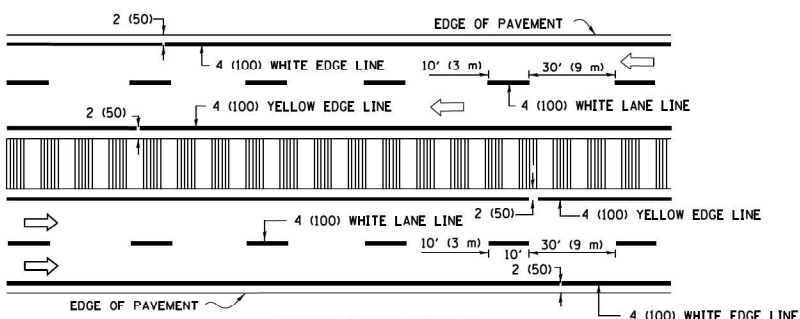
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TC-12			CONTRACT NO. 62W96	
ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

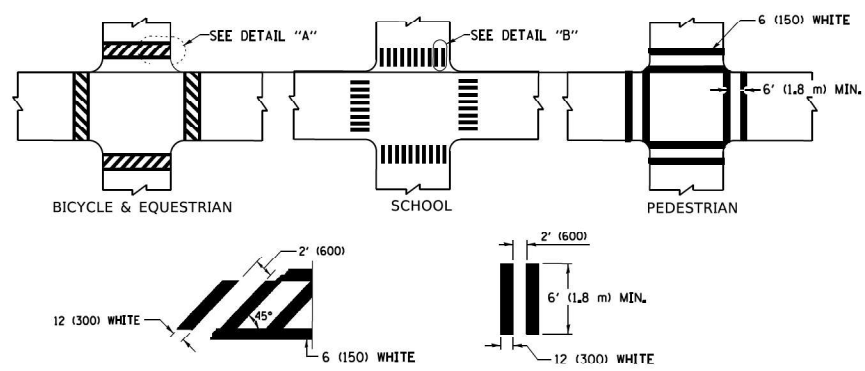


MULTI-LANE UNDIVIDED



MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

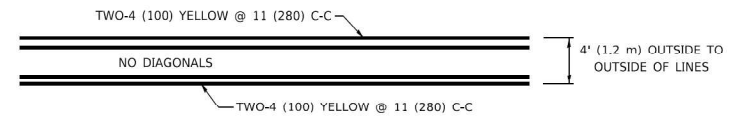


DETAIL "A"

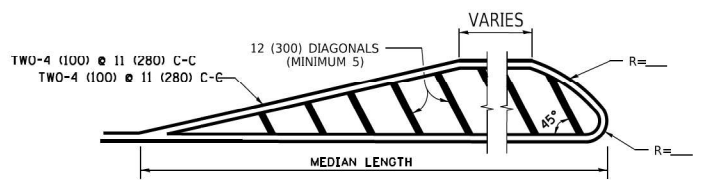
DETAIL "B"

TYPICAL CROSSWALK MARKING

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

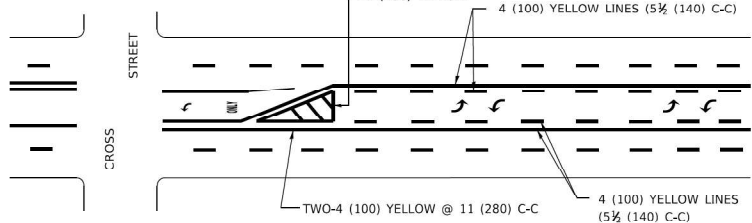


4' (1.2 m) WIDE MEDIANS ONLY



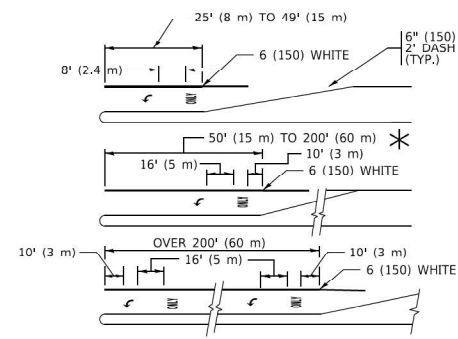
MEDIANS OVER 4' (1.2 m) WIDE

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

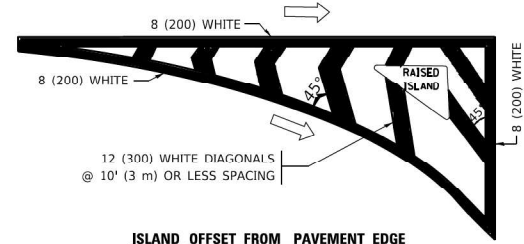
TYPICAL PAINTED MEDIAN MARKING



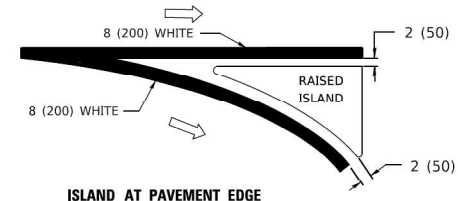
TYPICAL LEFT (OR RIGHT) TURN LANE

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".

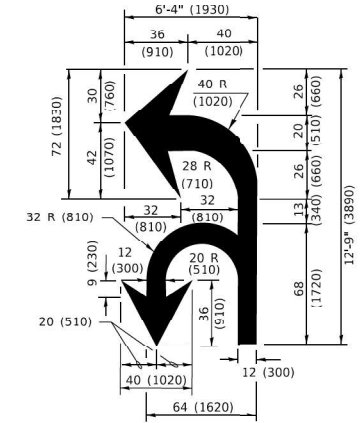


ISLAND OFFSET FROM PAVEMENT EDGE

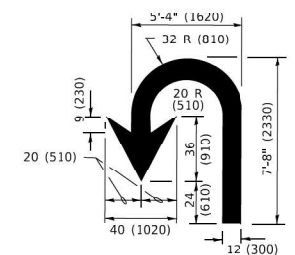


ISLAND AT PAVEMENT EDGE

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 @ 1 (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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PLOT DATE = 3/4/2019	CHECKED -	REVISED - C. JUCIUS 12-21-15
	DATE - 03-19-90	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.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	2024-977-PP	WILL	34	28
TC-13		CONTRACT NO. 62W96		
ILLINOIS		FED. AID PROJECT		

**TURN BAY ENTRANCE AT START
OF LANE CLOSURE TAPER**

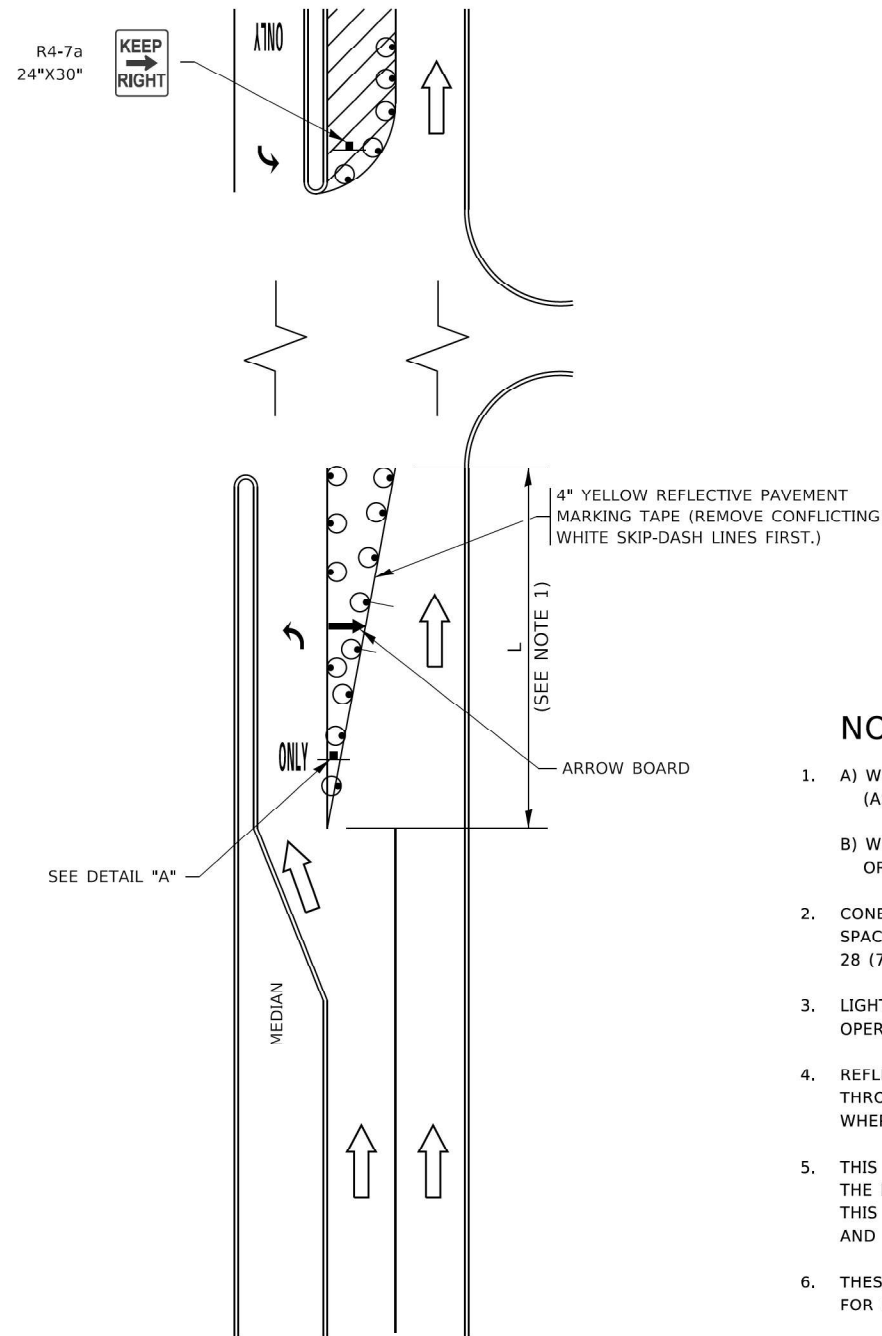


FIGURE 1

**TURN BAY ENTRANCE
WITHIN A LANE CLOSURE**

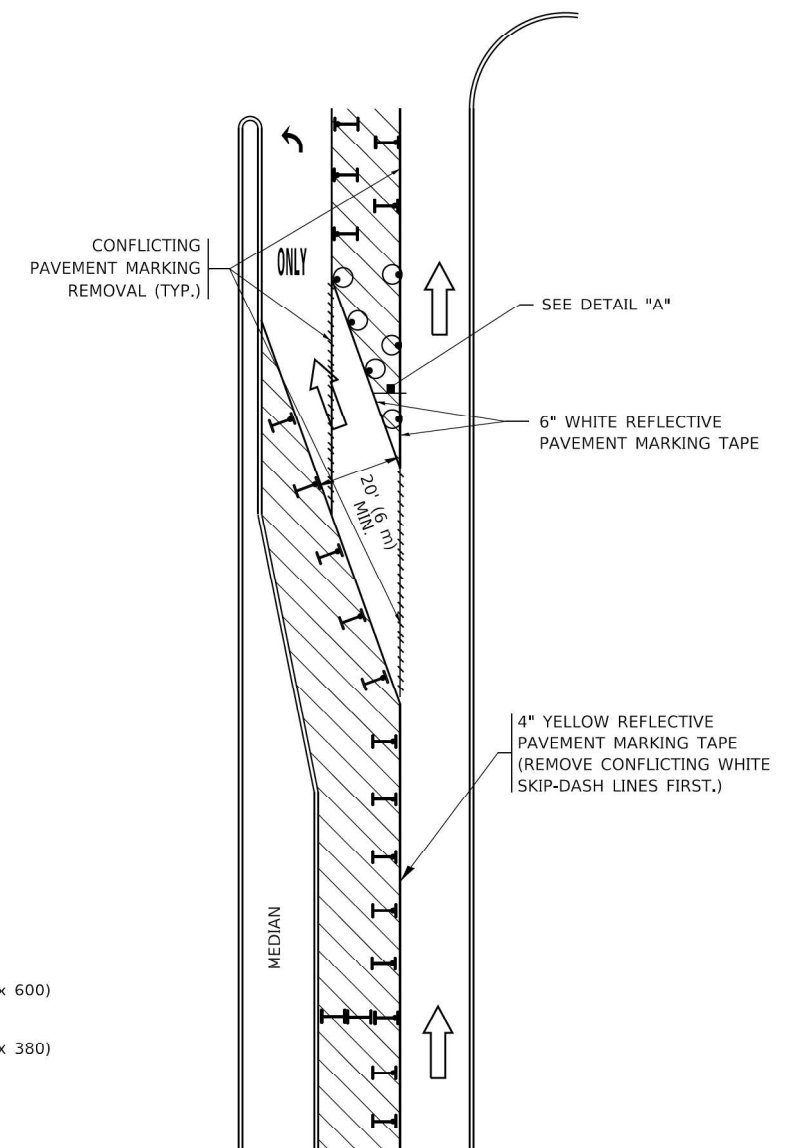
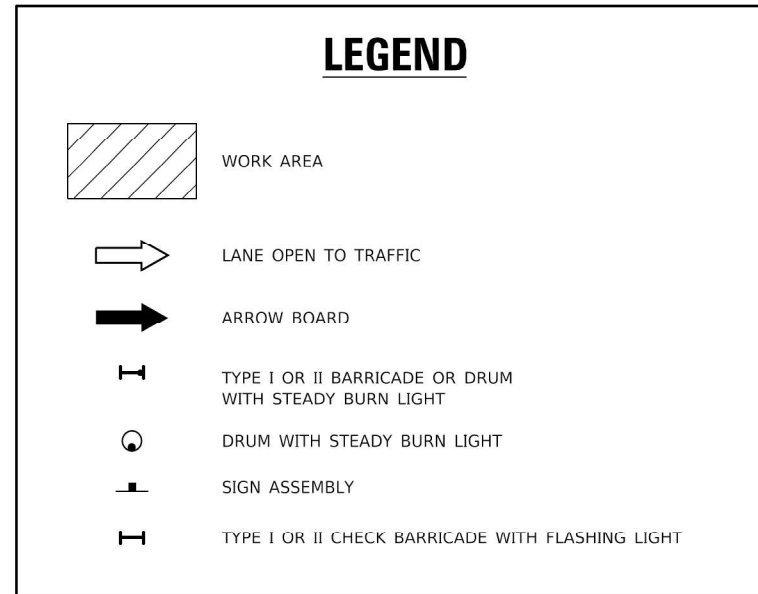
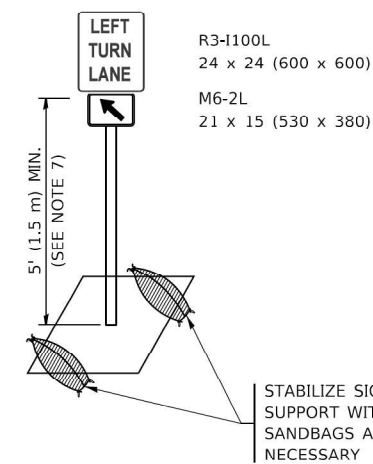


FIGURE 2



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.

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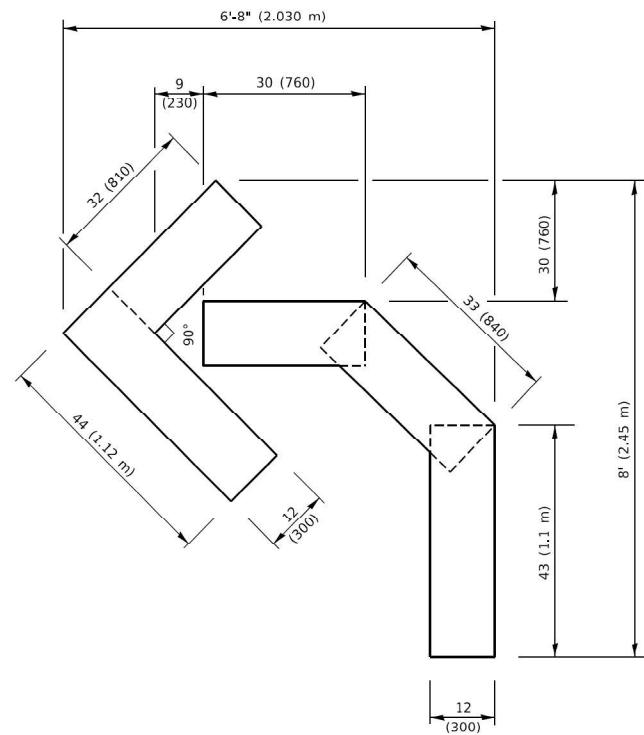
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PLOT SCALE = 50.0000' / in.	CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16
PLOT DATE = 3/4/2019	DATE - T. RAMMACHER 01-06-00	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

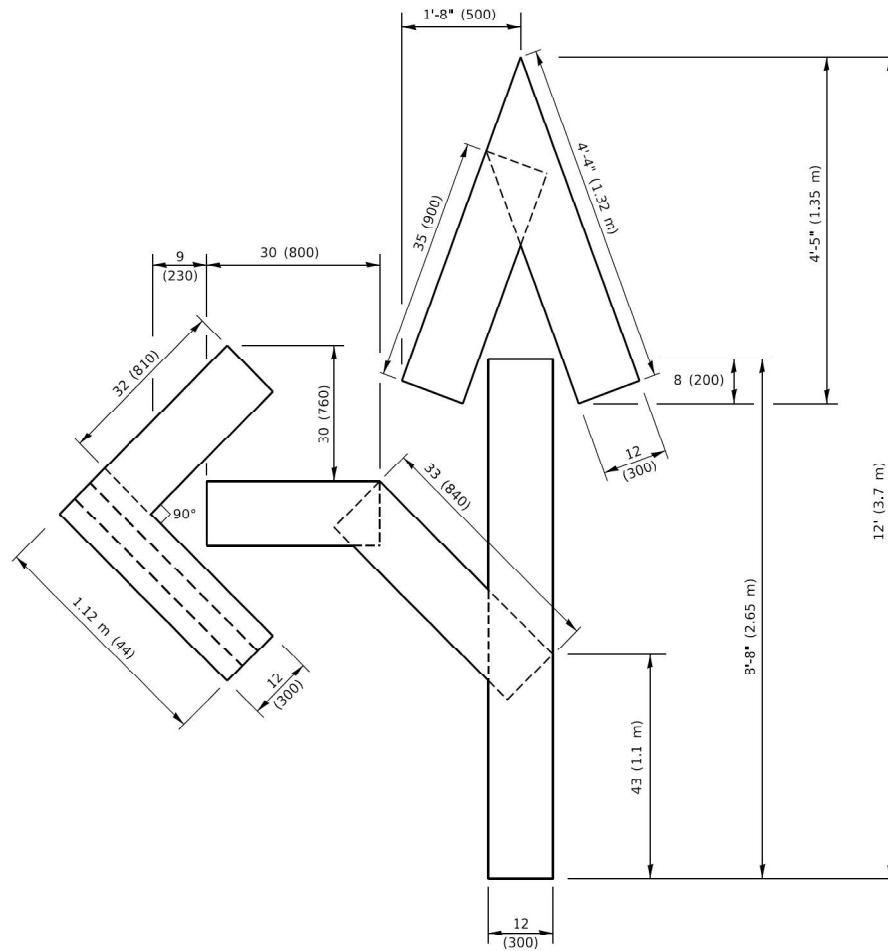
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TC-14		CONTRACT NO. 62W96		
		ILLINOIS FED. AID PROJECT		



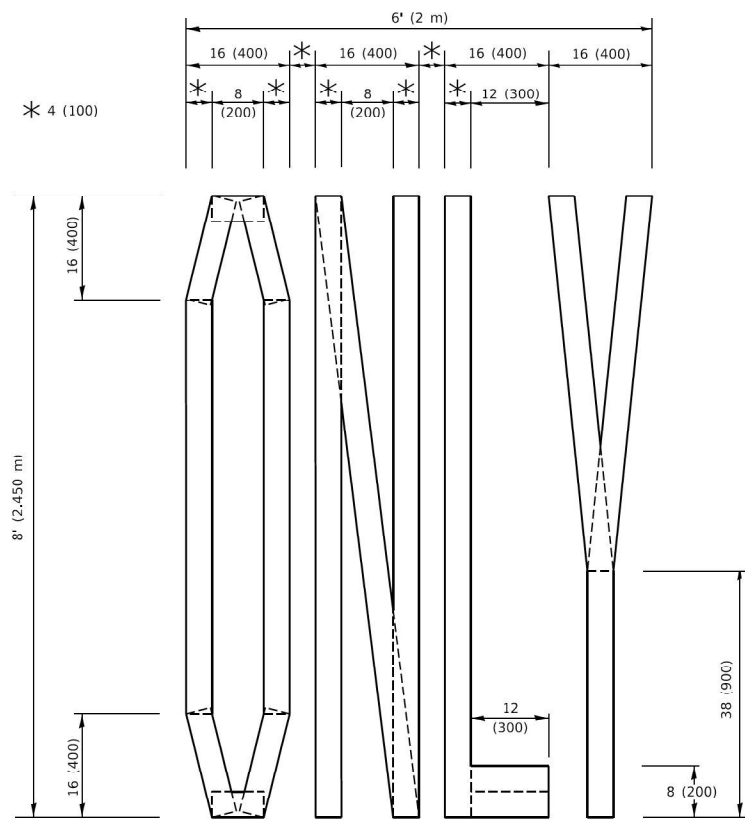
QUANTITY

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



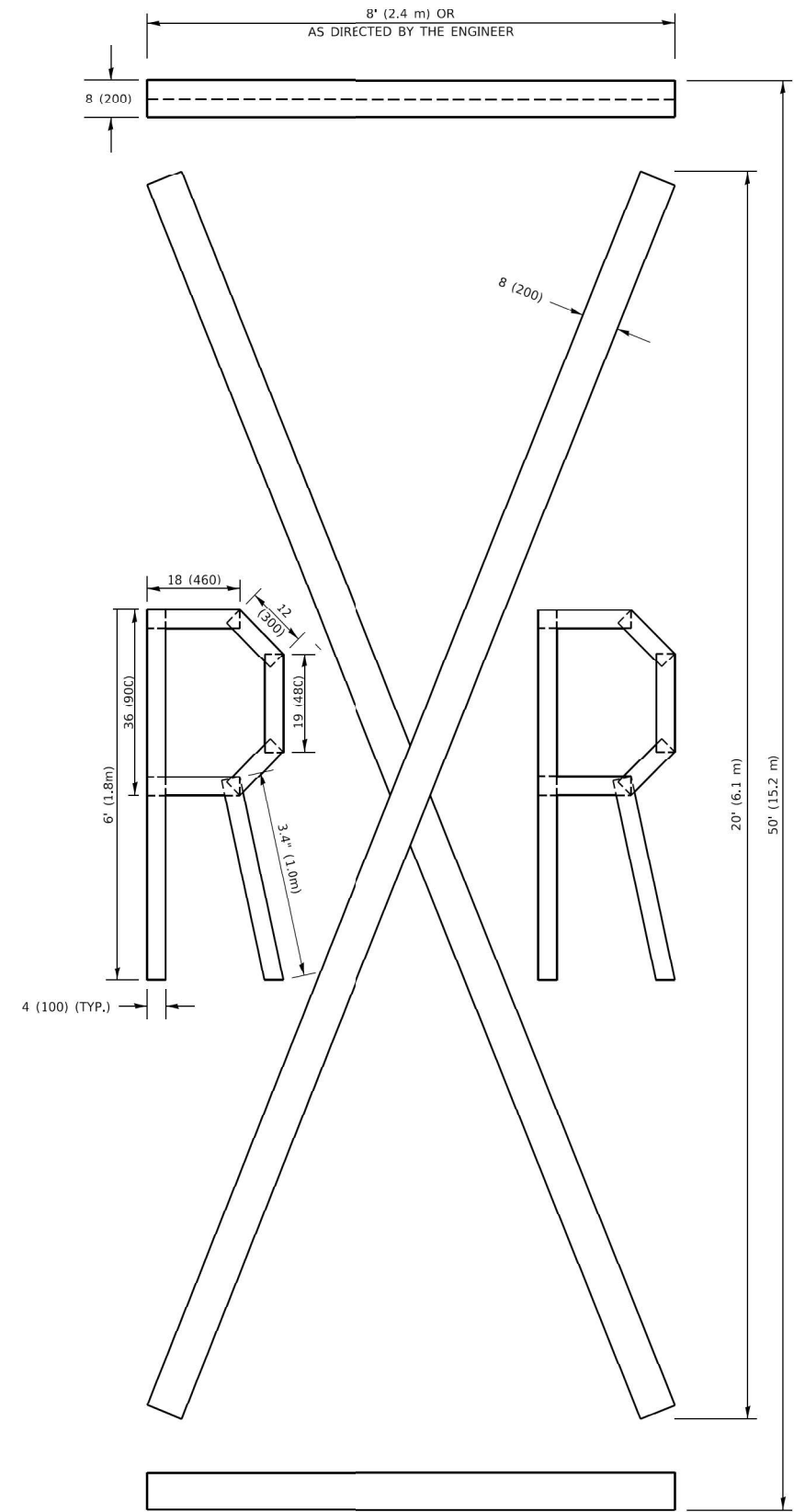
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4 (100) LINE = 82.5 ft. (25.1 m)
27.5 sq. ft. (2.53 sq. m)



QUANTITY

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



QUANTITY

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

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

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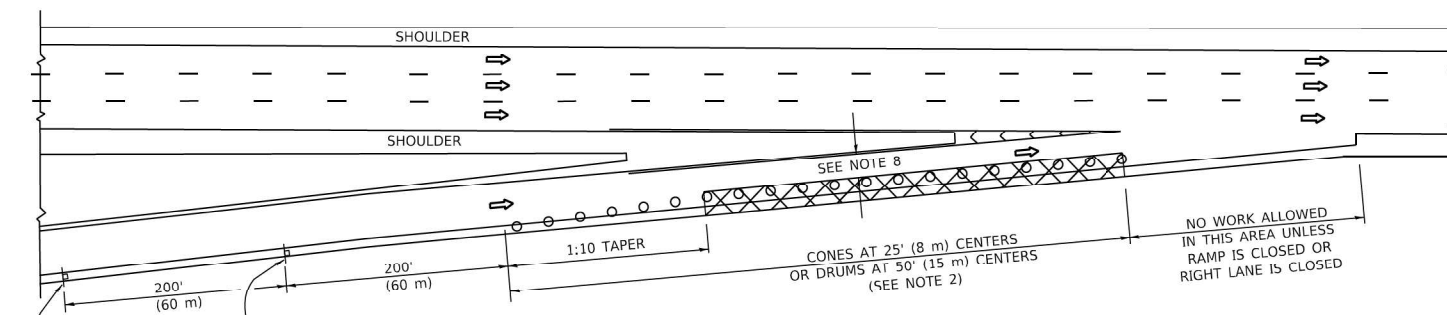
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

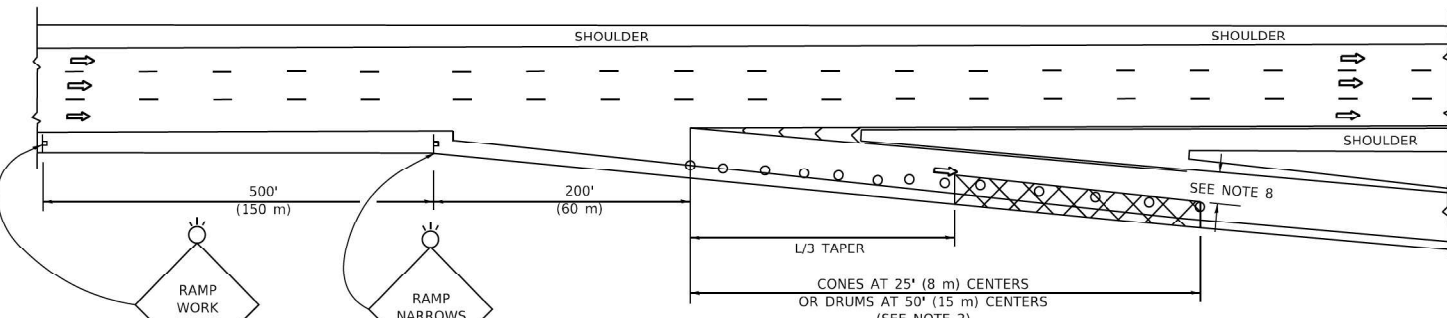
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ILLINOIS FED. AID PROJECT				

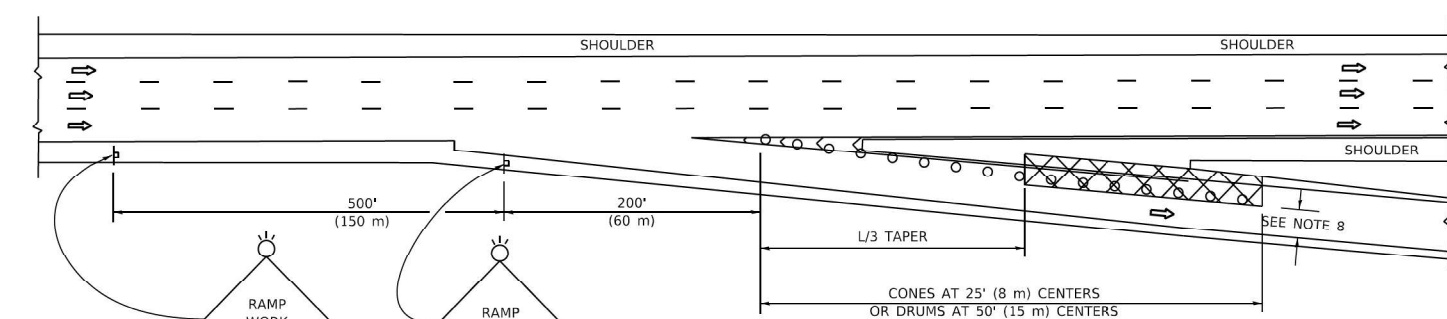
PARTIAL RAMP CLOSURE DETAILS



TYPICAL ENTRANCE RAMP



TYPICAL EXIT RAMP



TYPICAL EXIT RAMP

SYMBOLS

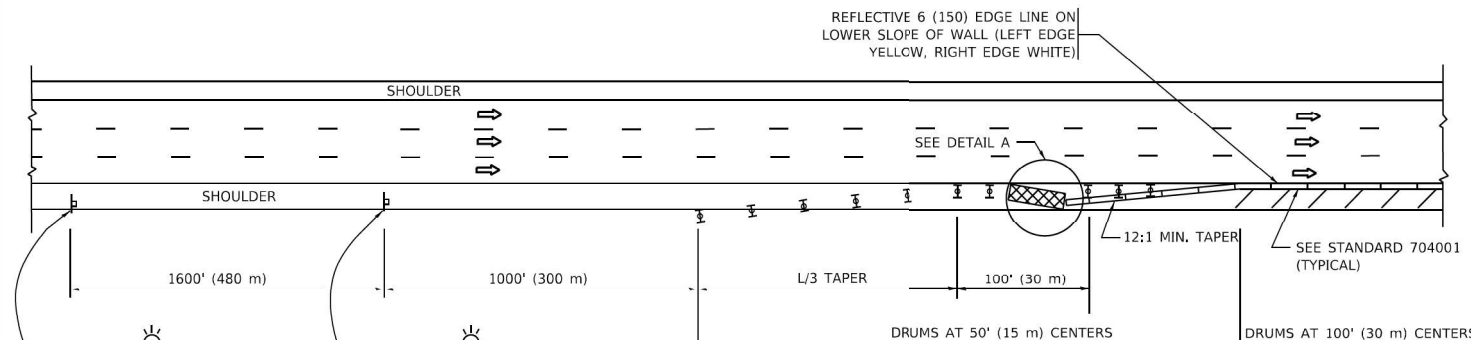
- ACTIVE WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- TYPE II BARRICADE OR DRUM
- CONE, DRUM OR BARRICADE
- IMPACT ATTENUATOR OF TYPE AND TEST LEVEL SPECIFIED

GENERAL NOTES:

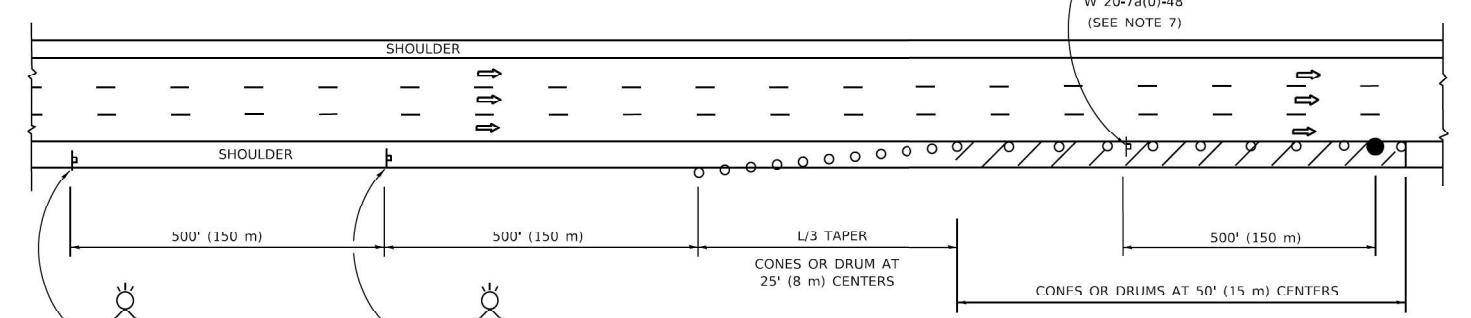
- THE "L" DISTANCE EQUALS:

SPEED LIMIT	FORMULAS
45 mph (80 km/h)	METRIC ENGLISH
OR GREATER:	L=0.65(W/S) L=(W/S)
W = WIDTH OF OFFSET IN FEET (METERS)	
S = NORMAL POSTED SPEED MPH (KM/H)	
- TYPE II BARRICADES OR DRUMS ARE REQUIRED FOR ALL NIGHTTIME CLOSURES. TYPE II BARRICADES OR DRUMS WITH MONODIRECTIONAL STEADY BURN LIGHTS ARE REQUIRED FOR DELINEATING OBSTACLES, EXCAVATIONS, OR HAZARDS EXCEEDING 100 FT (30m) IN LENGTH AT NIGHT.
- ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- FLASHING LIGHTS SHALL BE USED DURING THE HOURS OF DARKNESS AND SHALL BE INSTALLED ABOVE THE FIRST TWO SETS OF SIGNS.

SHOULDER CLOSURE DETAILS



PERMANENT SHOULDER CLOSURE



TEMPORARY SHOULDER CLOSURE

THIS DETAIL IS USED WHERE:
 1. VEHICLES, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCROACH IN AN AREA CLOSER THAN 15' (4.5 m) TO THE EDGE OF PAVEMENT FOR A PERIOD IN EXCESS OF 15 MINUTES.



**DETAIL "A"
IMPACT ATTENUATOR, TEMPORARY
(SEE NOTE 5)**

- THE IMPACT ATTENUATOR, TEMPORARY IS NOT REQUIRED WHEN THE TEMPORARY CONCRETE BARRIER WALL IS PROTECTED BY OR IS TIED INTO THE EXISTING GUARDRAIL. IF OFFSET IS LESS THAN 5 FEET USE NARROW USE TYPE DEVICE TO MEET NCHRP350/MASH.
- AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL FREEWAY CLOSURES.
- THE FLAGGER AND FLAGGER SIGN ARE REQUIRED AT THE ABOVE WORK SITES WHEN:
 - FOUR OR MORE WORK VEHICLES ENTER THE TRAFFIC LANES IN A ONE HOUR PERIOD.
 - THE WORK ACTIVITY REQUIRES FREQUENT ENCROACHMENT INTO THE LANE OPEN TO TRAFFIC.
 THE FLAGGER SHALL BE STATIONED APPROXIMATELY 100' (30 m) TO 200' (60 m) IN ADVANCE OF THE WORKERS.
- 12' MIN. WIDTH TANGENT SECTION
16' MIN. WIDTH CURVE SECTION.
- TEMPORARY SHOULDER AND NON-SYSTEM INTERCHANGE PARTIAL RAMP CLOSURES ARE ALLOWED WEEKDAYS BETWEEN 9:00 A.M. AND 3:00 P.M. AND BETWEEN 7:00 P.M. AND 5:00 A.M. OR AS APPROVED BY THE EXPRESSWAY TRAFFIC OPERATIONS ENGINEER. PERMANENT SHOULDER AND PARTIAL RAMP CLOSURES WILL ONLY BE PERMITTED IF CALLED FOR IN THE PLANS OR AS APPROVED BY THE EXPRESSWAY OPERATIONS ENGINEER.

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

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	DRAWN - D.W.S.	REVISED - M.D. 01-18
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - M.D. 10-20
PLOT DATE = 5/3/2024	DATE - 11-96	REVISED - D.S. 05-24

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL DETAILS FOR FREEWAY
SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	2024-977-PP	WILL	34	31
TC-17		CONTRACT NO. 62W96		
ILLINOIS FED. AID PROJECT				

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ROUTE MARKERS

FOR U.S. ROUTES
M1-40-2424

FOR ILLINOIS ROUTES
M1-50-2424

R.R. UNMARKED ROUTES
SPECIAL 24" x 18" VARIABLE
4" BLACK LETTERS ON WHITE
REFLECTIVE BACKGROUND

ARROWS SIGNS

M5-1L-2115

M5-1R-2115

M6-1-2115

M6-2-2115

M6-3-2115

CARDINAL DIRECTION & DETOUR SIGNS

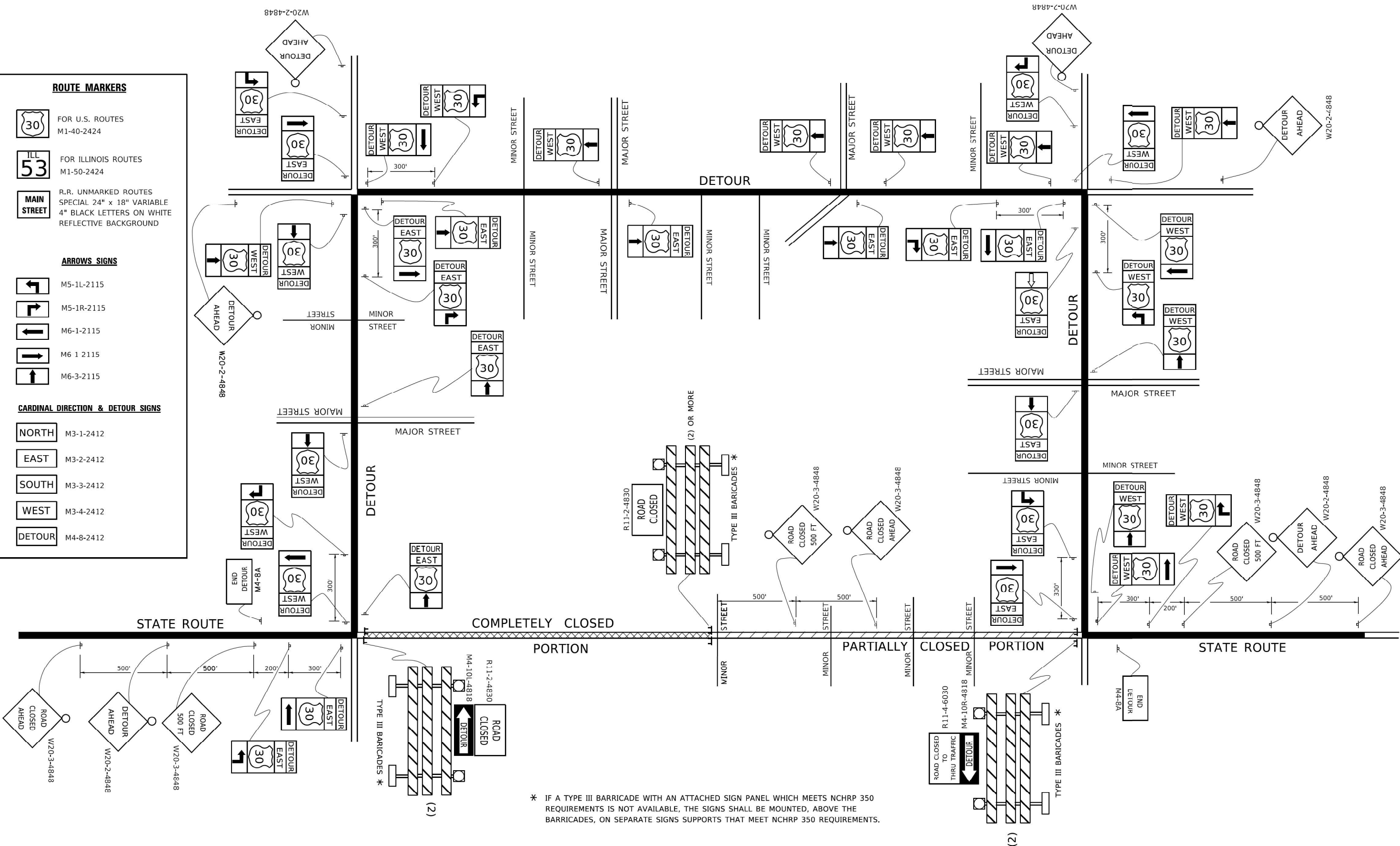
NORTH M3-1-2412

EAST M3-2-2412

SOUTH M3-3-2412

WEST M3-4-2412

DETOUR M4-8-2412



* IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHRP 350 REQUIREMENTS.

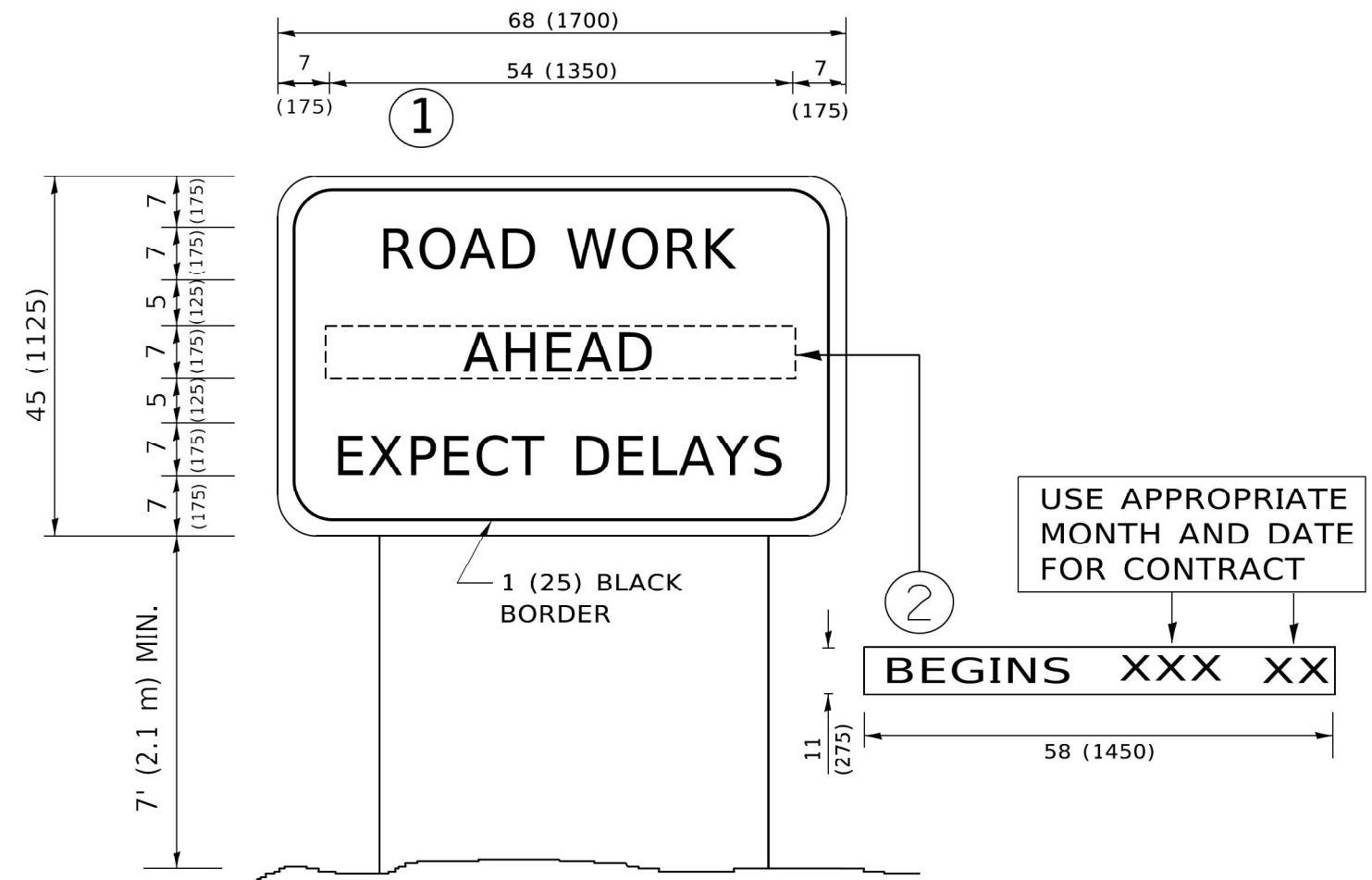
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PLOT SCALE = 50.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/4/2019	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**DETOUR SIGNING
 FOR CLOSING STATE HIGHWAYS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	2024-977-PP	WILL	34	32
TC-21		CONTRACT NO. 62W96		
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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PLOT SCALE = 50.0000 ' / in.	DRAWN -	REVISED - R. MIRS 12-11-97
PLOT DATE = 3/4/2019	CHECKED -	REVISED - T. RAMMACHER 02-02-99
	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

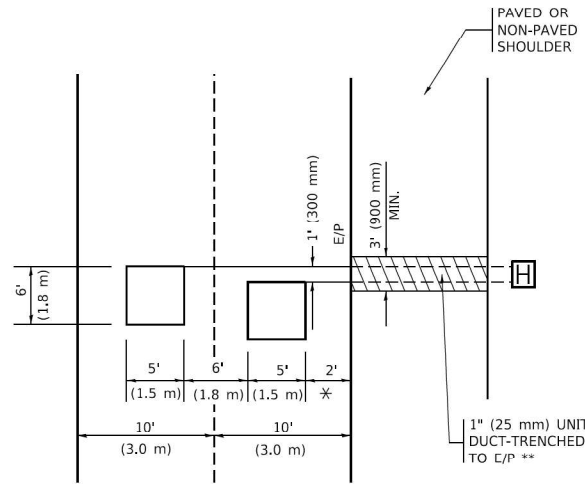
**ARTERIAL ROAD
INFORMATION SIGN**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	2024-977-PP	WILL	34	33
TC-22			CONTRACT NO. 62W96	
ILLINOIS FED. AID PROJECT				

LOOPS NEXT TO SHOULDERS

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

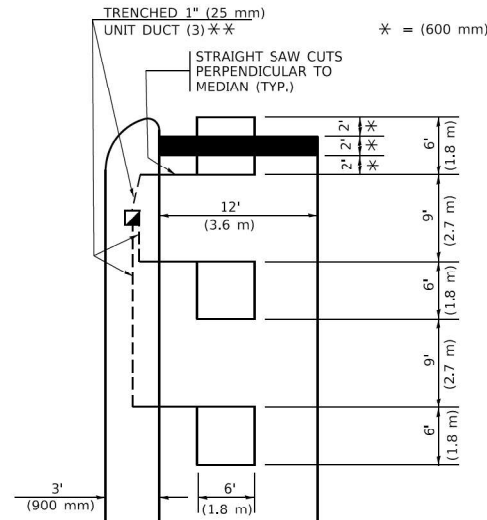


* = (600 mm)

** 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)

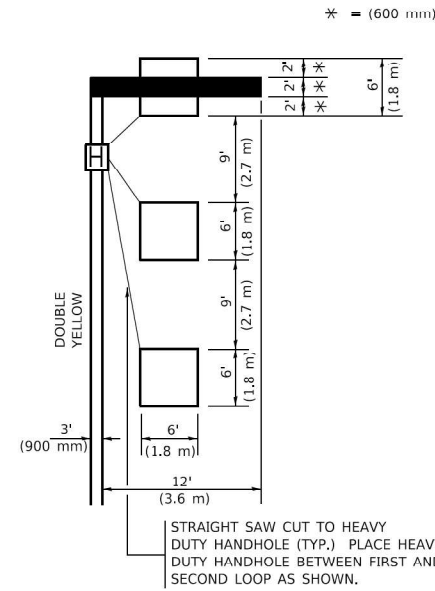
HANDHOLE LOCATION MAY VARY DEPENDING ON GEOMETRICS AND DESIGN OF TRAFFIC SIGNALS. HEAVY-DUTY HANDHOLES TO BE USED WHEN THE MEDIAN IS MOUNTABLE. REFER TO STANDARD 814001 TO ENSURE THAT HANDHOLE FITS IN MEDIAN.



** 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)



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 SEPARATELY. 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.

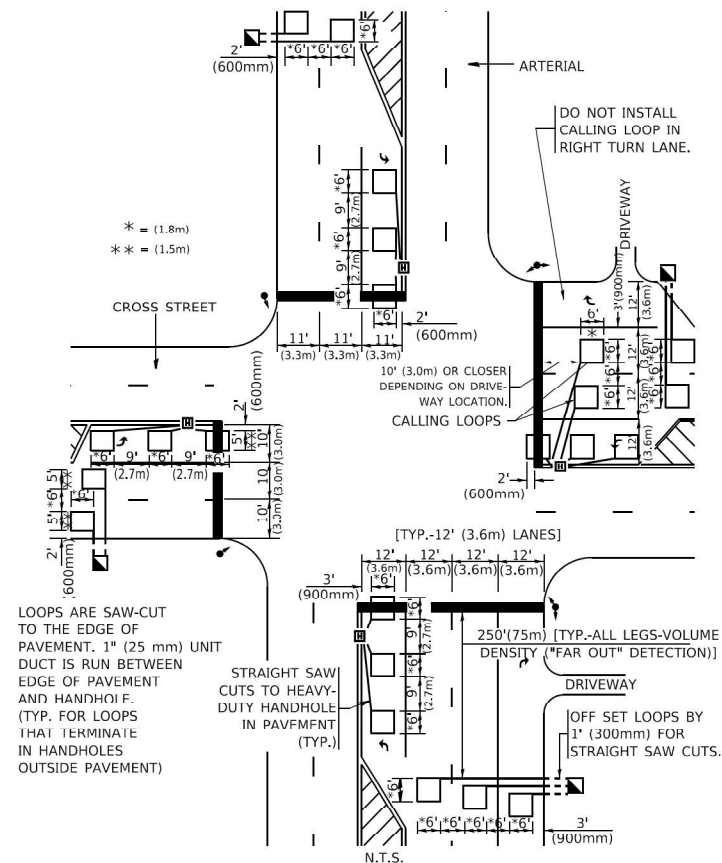
"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0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

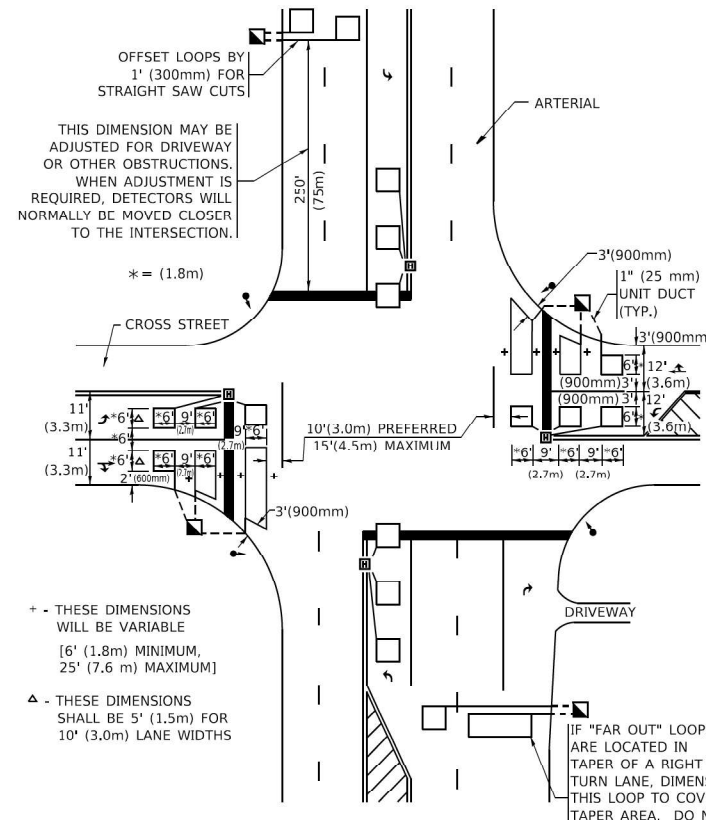
THIS DRAWING HAS BEEN PREPARED TO ASSIST THE RESIDENT ENGINEER FOR ALL ROADWAY RESURFACING OR S.M.A.R.T. PROJECTS WHERE THE DIMENSIONS ARE NOT SHOWN ON THE PLANS AND THE FINAL LOCATIONS FOR CROSSWALKS OR STOP BARS ARE NOT DETERMINED.

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



DETAIL 1
N.T.S.

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



DETAIL 2
N.T.S.

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PLOT SCALE = 50.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 3/4/2019	CHECKED - R.K.F.	REVISED -
	DATE -	REVISED -

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.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	2024-977-PP	WILL	34	34
TS-07		CONTRACT NO. 62W96		
ILLINOIS FED. AID PROJECT				