

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2025-2002-RS	KANE	31	1
		ILLINOIS	CONTRACT NO. 80B23	

**THIS IMPROVEMENT IS LOCATED  
IN THE VILLAGES OF GILBERTS  
AND PINGREE GROVE**

**PROPOSED  
HIGHWAY PLANS**

**F.A.P. 341: IL ROUTE 72 (HIGGINS ROAD)  
FROM REINKING ROAD TO INDUSTRIAL DRIVE  
SECTION 2025-2002-RS  
NHPP-V78Y(920)**

**SMART OVERLAY, SHOULDER REPAIR, AND RUMBLE STRIPS  
KANE COUNTY**

**C-91-259-25  
R 7 E**

**FOR INDEX OF SHEETS, SEE SHEET NO. 2**

**TRAFFIC DATA:**  
POSTED SPEED LIMIT: 40-55 MPH  
  
IL-72 (HIGGINS RD.)  
2025 ADT = 18,300

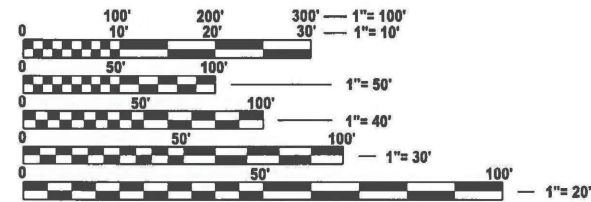
**DESIGN DESIGNATION:**  
OTHER PRINCIPAL ARTERIAL

**BRIDGE OMISSION:**  
STA. 152+35 TO STA. 155+58



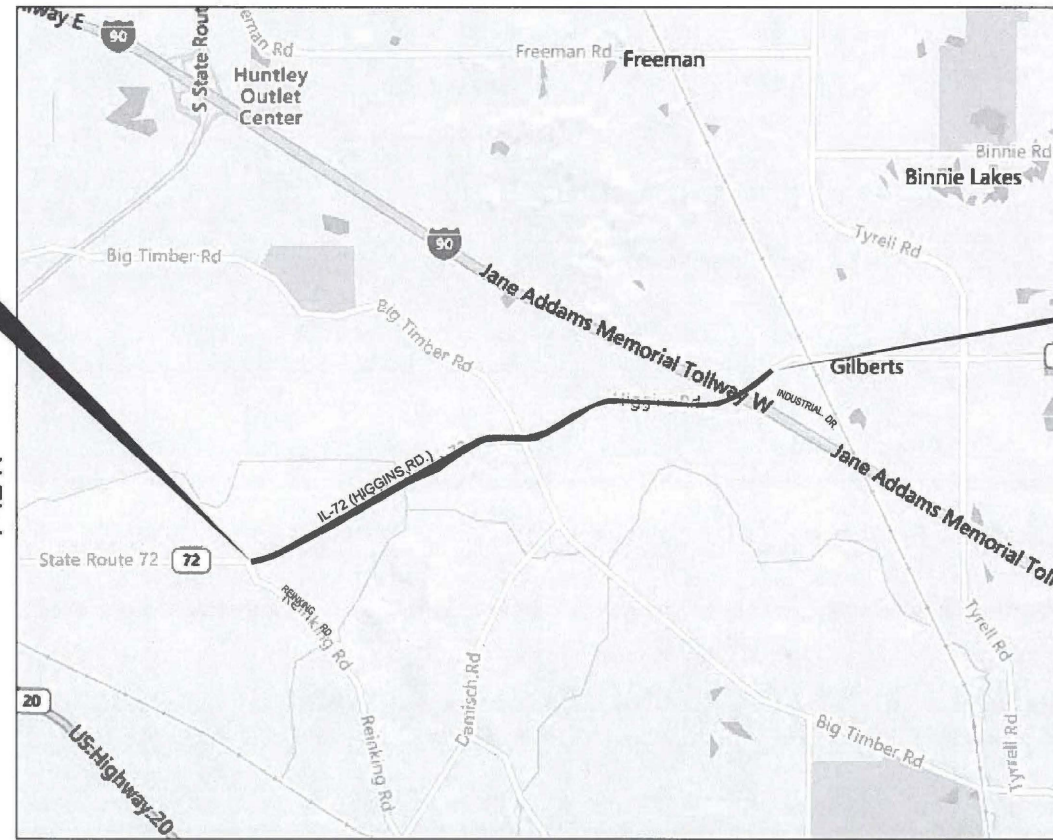
**PROJECT BEGINS  
STA. 16+ 39**

**PROJECT ENDS  
STA. 164 + 62**



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



GROSS LENGTH = 14,823 FT. = 2.81 MILES  
NET LENGTH = 14,500 FT. = 2.75 MILES

**PROJECT ENGINEER: LUKASZ POCIECHA (847) 705-4255  
PROJECT MANAGER: VESELIN VELICHKOV**

**CONTRACT NO. 80B23**

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED March 23<sup>rd</sup> 20 26  
Joseph R. [Signature] IR  
REGIONAL ENGINEER

May 8 20 26  
[Signature]  
ENGINEER OF DESIGN AND ENVIRONMENT

May 8 20 26  
[Signature]  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

**PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS**

## INDEX OF SHEETS

## STATE STANDARDS

## GENERAL NOTES

**SHEET NO.**

**DESCRIPTION**

**STANDARD NO.**

**DESCRIPTION**

1. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
2. 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.
3. BUTT JOINTS SHALL 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 IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
4. ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
5. 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.
6. TEN (10) FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURBS AND GUTTER AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN.
7. DRAINAGE ADJUSTMENT OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
8. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
9. FRAMES AND GRATES ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE LIMITS OF THE IMPROVEMENTS SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.
10. THE CONTRACTOR SHALL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF ANY BURIED STRUCTURE OR STRUCTURES FOUND (I.E. ACCIDENTALLY PAVED OVER WITH ASPHALT DURING THE PREVIOUS RESURFACING) 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.
11. 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.
12. FOR WORK OUTSIDE THE LIMITS OF BRIDGE APPROACH PAVEMENT, ALL REFERENCES IN THE HIGHWAY STANDARDS AND STANDARD SPECIFICATIONS FOR REINFORCEMENT, DOWEL BARS AND TIE BARS IN PAVEMENT, SHOULDERS, CURB, GUTTER, COMBINATION CURB AND GUTTER AND MEDIAN, AND CHAIR SUPPORTS FOR CRC PAVEMENT, SHALL BE EPOXY COATED, UNLESS NOTED ON THE PLAN.
13. THE CONTRACTOR SHALL CONTACT KALPANA KANNAN-HOSADURGA, , THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
14. THE RESIDENT ENGINEER SHALL CONTACT WALLY CZARNY, AREA TRAFFIC FIELD ENGINEER, VIA EMAIL AT WALTER.CZARNY@ILLINOIS.GOV, A MINIMUM OF 2 WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
15. 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.
16. PAVEMENT MARKING TAPE, TYPE IV SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.
17. OVERNIGHT LANE CLOSURES SHALL NOT BE ALLOWED FOR REHABILITATION PROJECTS INVOLVING DAYTIME MILLING AND RESURFACING OPERATIONS AND CLASS D PATCHING UNLESS OTHER CONDITIONS WARRANT EXTENDED LANE CLOSURES AS DETERMINED AND APPROVED IN WRITING BY THE ENGINEER OR AS PROVIDED FOR IN THE CONTRACT SPECIFICATIONS.

GENERAL NOTES CONTINUE ON NEXT SHEET

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	DRAWN -	REVISED -
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PLOT DATE = 3/19/2026	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES AND INDEX SHEET  
IL-72 (HIGGINS RD.): REINKING RD. - INDUSTRIAL DR.**

SCALE: SHEET OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2025-2002-RS	KANE	31	2
CONTRACT NO. 80B23				
ILLINOIS FED. AID PROJECT				

**GENERAL NOTES (CONTINUED...)**

18. THE "ROAD CONSTRUCTION AHEAD" SIGNS SHALL REMAIN INSTALLED UNTIL COMPLETION OF THE PROJECT OR WHEN NO ROADWAY HAZARDS REMAIN WITHIN THE WORK ZONE.
19. DROP-OFFS ADJACENT TO THE TRAVEL LANE SHALL BE KEPT TO A MINIMUM. PROTECTION OF THE DROP-OFF SHALL BE ACCORDING TO THE IDOT BUREAU OF SAFETY PROGRAMS AND ENGINEERING, SAFETY ENGINEERING POLICY MEMORANDUM 4-21. DROP-OFFS GREATER THAN OR EQUAL TO 12' WILL NOT BE ALLOWED AT LOCATIONS WHERE THE DROPOFF IS LOCATED WITHIN 8 FT OF THE EDGE OF THE TRAVEL LANE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT THE DROP-OFF AREAS MEET THE OFFSET, HEIGHT, AND DURATION REQUIREMENTS TO USE BARRICADES AT THE END OF EACH WORKDAY. THIS MAY REQUIRE THE CONTRACTOR TO REPLACE OR PLACE SUFFICIENT MATERIAL IN THE EXCAVATION TO REDUCE THE DROP-OFF TO BE COMPLIANT WITH THE REQUIREMENTS FOR USE OF BARRICADES. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED TO COMPLY WITH THIS REQUIREMENT.
20. GEOTECHNICAL FABRIC FOR GROUND STABILIZATION AND/OR AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAVE BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH ABOVE ITEM WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC OR DYNAMIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 OF THE SSRBC AND IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.
21. THE AGGREGATE GRADATION FOR THE LOWER 9 INCHES OF AGGREGATE SUBGRADE IMPROVEMENT 12" SHALL BE CS 1 OR RR 1.
22. ANY AGGREGATE SUBGRADE IMPROVEMENT CONTAMINATED AND/OR DAMAGED BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENTS IS TO BE REMOVED AND REPLACED AS DIRECTED BY THE ENGINEER AT CONTRACTOR EXPENSE.
23. TEMPORARY PAVEMENT MARKINGS OR SHORT TERM PAVEMENT MARKINGS ON INTERMEDIATE SURFACES SHALL NOT BE REMOVED, UNLESS DIRECTED BY THE ENGINEER.
24. INSTALL PROPOSED SHOULDER RUMBLE STRIPS, 8 INCH, ON NEW HMA SURFACE OF PROPOSED NEW SHOULDERS ALONG IL-72 (HIGGINS RD.) AND ON EXISTING HMA SHOULDERS PROPOSED TO BE RESURFACED ALONG WITH THE MAINLINE. SOME SECTIONS OF EXISTING HMA SHOULDERS MAY BE NARROW, AND EXISTING SHOULDER WIDTHS SHALL BE FIELD-VERIFIED IN COORDINATION WITH THE RESIDENT ENGINEER.
25. EXISTING SHOULDER WIDTH FOR PROPOSED SHOULDER WORK SHALL BE FIELD-VERIFIED TO ENSURE THE WIDTH WILL BE ABLE TO ACCOMMODATE THE PROPOSED SHOULDER AT THE MAXIMUM 4-FOOT WIDTH WITHOUT IMPACTING OR MODIFYING THE EXISTING SWALE / DITCH FRONT SLOPE.

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	PLOT SCALE = 0.16666633' / in.	CHECKED -	REVISED -			341	2025-2002-RS	KANE	31	3	
	PLOT DATE = 3/19/2026	DATE -	REVISED -			CONTRACT NO. 80B23					
						SCALE:		SHEET OF 2 SHEETS		STA. TO STA.	

SUMMARY OF QUANTITIES				TYPE CODE					
				URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
				ROADWAY	TRAFFIC SIGNALS				
				80% FED 20% STATE	80% FED 20% STATE				
Code No.	Item	Unit	Total Quantity	0005	0021				
20200100	EARTH EXCAVATION	CU YD	5190	5190					
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	649	649					
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	1947	1947					
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	27	27					
25200110	SODDING, SALT TOLERANT	SQ YD	27	27					
28000400	PERIMETER EROSION BARRIER	FOOT	1135	1135					
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	649	649					
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	7785	7785					
35600708	HOT-MIX ASPHALT BASE COURSE WIDENING, 8"	SQ YD	7785	7785					
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	17517	17517					
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	28293	28293					
40600370	LONGITUDINAL JOINT SEALANT	FOOT	26872	26872					
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	89	89					
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	211	211					
40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	5609	5609					
42001300	PROTECTIVE COAT	SQ YD	40	40					
44000100	PAVEMENT REMOVAL	SQ YD	7785	7785					
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	58979	58979					
44201847	CLASS D PATCHES, TYPE I, 17 INCH	SQ YD	161	161					
44201851	CLASS D PATCHES, TYPE II, 17 INCH	SQ YD	955	955					

\* SPECIALTY ITEMS

SUMMARY OF QUANTITIES				TYPE CODE					
				URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
				ROADWAY	TRAFFIC SIGNALS				
				80% FED 20% STATE	80% FED 20% STATE				
Code No.	Item	Unit	Total Quantity	0005	0021				
44201855	CLASS D PATCHES, TYPE III, 17 INCH	SQ YD	1147	1147					
44201857	CLASS D PATCHES, TYPE IV, 17 INCH	SQ YD	1008	1008					
44213200	SAW CUTS	FOOT	28785	28785					
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	410	410					
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	1	1					
64200108	SHOULDER RUMBLE STRIPS, 8 INCH	FOOT	28785	28785					
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	5190	5190					
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	5	5					
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1					
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1					
* 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	20	20					
67100100	MOBILIZATION	L SUM	1	1					
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1					
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1					
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	1					
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	L SUM	1	1					
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1					
70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	L SUM	1	1					
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1					
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	20	20					

\* SPECIALTY ITEMS

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	CHECKED -	REVISED -
PLOT DATE = 3/19/2026	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES  
IL-72 (HIGGINS RD.): REINKING RD - INDUSTRIAL DR.**

SCALE: SHEET 4 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2025-2002-RS	KANE	31	4
CONTRACT NO. 80B23				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES				TYPE CODE					
				URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
				ROADWAY	TRAFFIC SIGNALS				
				80% FED 20% STATE	80% FED 20% STATE				
Code No.	Item	Unit	Total Quantity	0005	0021				
70300100	SHORT TERM PAVEMENT MARKING	FOOT	24163	24163					
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	2014	2014					
70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SQ FT	328	328					
70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	54221	54221					
70300241	TEMPORARY PAVEMENT MARKING - LINE 6"- PAINT	FOOT	1573	1573					
70300261	TEMPORARY PAVEMENT MARKING - LINE 12"- PAINT	FOOT	815	815					
70300281	TEMPORARY PAVEMENT MARKING - LINE 24"- PAINT	FOOT	614	614					
70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	6041	6041					
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	328	328					
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	54221	54221					
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1573	1573					
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	815	815					
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	307	307					
* 78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	37	37					
* 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	1624	1624					
* 78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	181	181					
* 78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	150	150					
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	1044	1044					
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	836	836					
X2020110	GRADING AND SHAPING SHOULDERS	UNIT	288	288					

\* SPECIALTY ITEMS

SUMMARY OF QUANTITIES				TYPE CODE					
				URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
				ROADWAY	TRAFFIC SIGNALS				
				80% FED 20% STATE	80% FED 20% STATE				
Code No.	Item	Unit	Total Quantity	0005	0021				
X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	9	9					
X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	3	3					
X4400501	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT LESS THAN OR EQUAL TO 10 FEET	FOOT	30	30					
X4400503	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT GREATER THAN 10 FEET	FOOT	90	90					
X6420114	CENTER LINE - RUMBLE STRIP - 16"	FOOT	9718	9718					
X6700407	ENGINEER'S FIELD OFFICE, TYPE A (D1)	CAL MO	12	12					
X7200061	TEMPORARY INFORMATION SIGNING	SQ FT	204	204					
* X7800815	HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINE - 4 INCH	FOOT	9502	9502					
* X8860105	DETECTOR LOOP REPLACEMENT	FOOT	1558	1558					

\* SPECIALTY ITEMS

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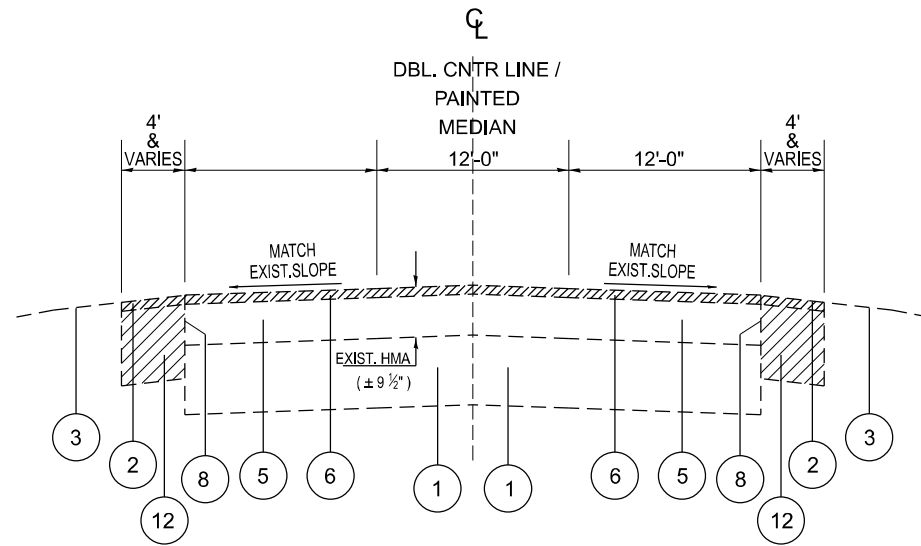
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES  
IL-72 (HIGGINS RD.): REINKING RD - INDUSTRIAL DR.**

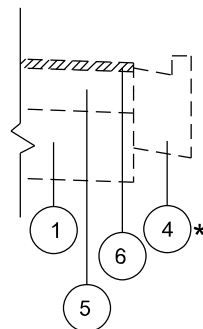
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F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2025-2002-RS	KANE	31	5
CONTRACT NO. 80B23			ILLINOIS FED. AID PROJECT	

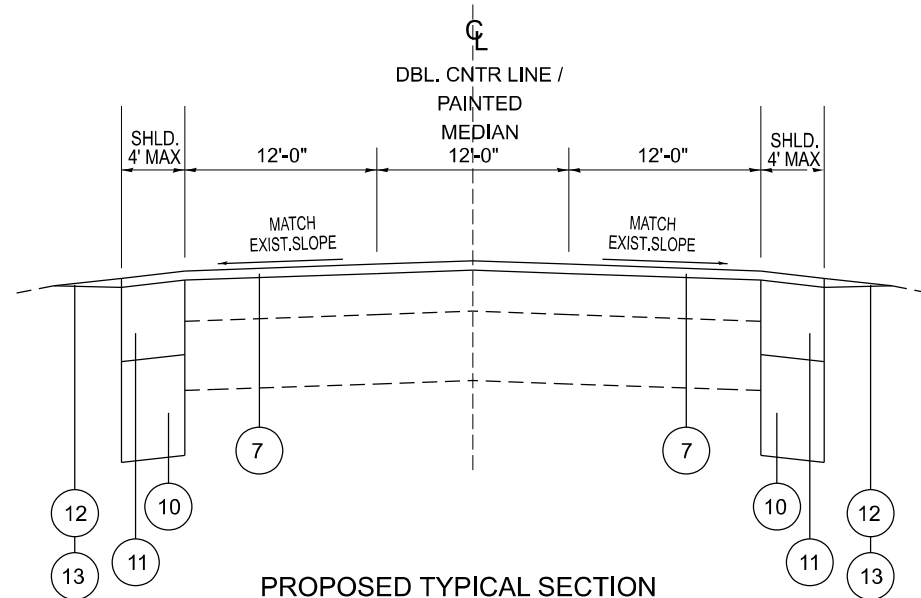


**EXISTING TYPICAL SECTION**  
**IL-72 / HIGGINS RD.**  
**STA. 16+39 TO STA. 164+62**  
**SMART OVERLAY**  
**(EXCEPT LISTED OMISSIONS)**

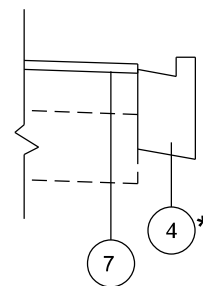
**RESURFACING OMISSIONS:**  
 STA. 152+35 TO STA. 155+58



\* PROPOSED CURB & GUTTER REMOVAL AND REPLACEMENT WILL ONLY FIELD DETERMINED SECTIONS AT THE SIDE STREETS OF PARK STREET ( STA. 160 + 36 / LT ) AND INDUSTRIAL DRIVE ( STA. 164 + 14 / RT )



**PROPOSED TYPICAL SECTION**  
**IL-72 / HIGGINS RD.**  
**STA. 16+39 TO STA. 164+62**  
**SMART OVERLAY**  
**(EXCEPT LISTED OMISSIONS)**



\* PROPOSED CURB & GUTTER REMOVAL AND REPLACEMENT WILL ONLY FIELD DETERMINED SECTIONS AT THE SIDE STREETS OF PARK STREET ( STA. 160 + 36 / LT ) AND INDUSTRIAL DRIVE ( STA. 164 + 14 / RT )

**LEGEND**

- ① EXIST. PCC PAVT, ±10"
- ② EXIST. HMA SHLD
- ③ EXIST. AGG SHLD
- ④ EXIST. COMB C&G
- ⑤ EXIST. HMA AFTER MILLING, ± 9 1/2"
- ⑥ PROP. HMA SURF REM 1 1/2"
- ⑦ PROP. HMA SC IL-9.5 D N70, 1 1/2"

**LEGEND (CONTINUED...)**

- PROP. SHOULDER WORK:
- ⑧ PROP. SAW CUTS
  - ⑨ PROP. PAVEMENT REM
  - ⑩ PROP. AGG SUBGRADE IMPR 12"
  - ⑪ PROP. HMA BC WID 8"
  - ⑫ PROP. GRADING & SHAP SHLDRS
  - ⑬ PROP. AGG WEDGE SHLD TYPE B

**HOT-MIX ASPHALT MIXTURE REQUIREMENTS**

MIXTURE TYPE	AIR VOIDS @ N DES	QUALITY MANAGEMENT PROGRAM (QMP)
<i>IL-72 PROP. SMART OVERLAY</i>		
HMA SC IL-9.5 D N70, 1 1/2"	4% AT 70 GYR.	QCP
<i>HMA SHLD. WIDENING ( PROP. BASE CRSE. MIX UNDER PROP. SMART OVERLAY )</i>		
HMA BC WID 8" (HMA BINDER IL-19.0)	4% AT 70 GYR.	QC/QA
<i>HOT-MIX ASPHALT PATCHING, FULL DEPTH</i>		
CLASS D PATCHES (HMA BINDER IL-19.0)	4% AT 70 GYR.	QC/QA

QMP Designations: Quality Control/Quality Assurance (QC/QA); Quality Control for Performance (QCP); Pay for Performance (PFP)

**MIXTURE NOTES:**

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

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

**GENERAL ROADWORK NOTES:**

- THE CONTRACTOR SHALL MILL THE ROADWAY FIRST, THEN DO PAVEMENT PATCHING PER BD-22 DETAIL.
- THE PROPOSED LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE ROADWAY MILLED SURFACE.
- WHEN SHOULDER RESURFACING OF 6 FEET OR LESS IS ALLOWED TO BE PLACED SIMULTANEOUSLY WITH THE ADJACENT TRAFFIC LANE, THE MAINLINE QUALITY MANAGEMENT PROGRAM WILL BE ENFORCED FOR THE MAINLINE AND SHOULDER.

MODEL: TYP SECTION-1 (Sheet)  
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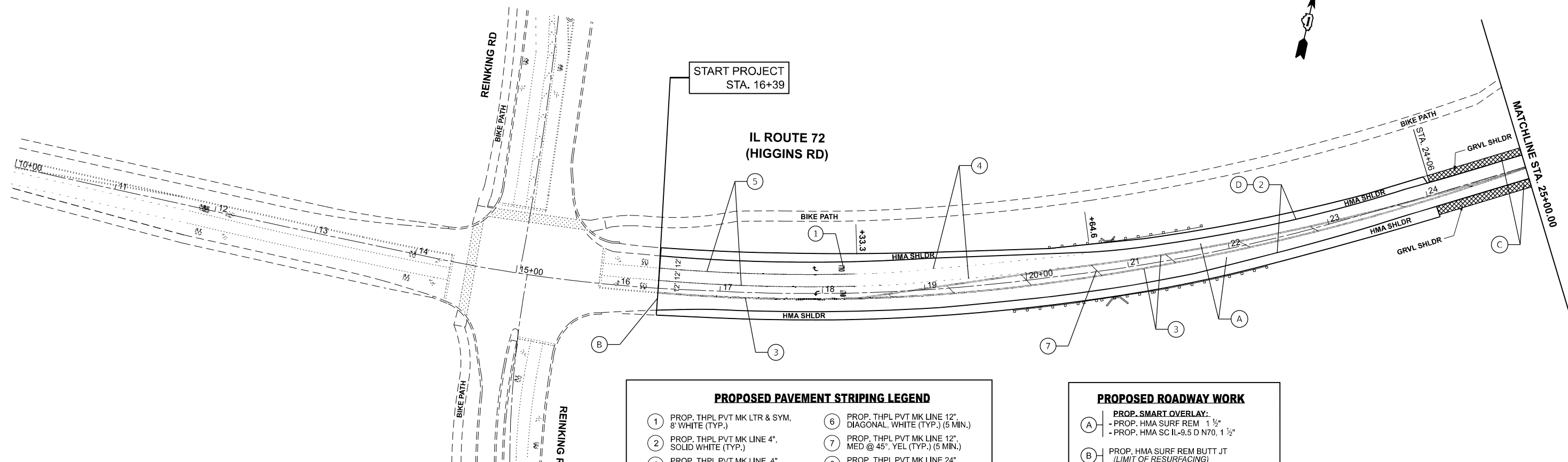
USER NAME = Alan.Parayno	DESIGNED -	REVISED -
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS**  
**IL-72 (HIGGINS RD.); REINKING RD - INDUSTRIAL DR.**

SCALE: SHEET 6 OF 1 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2025-2002-RS	KANE	31	6
CONTRACT NO. 80B23				
ILLINOIS FED. AID PROJECT				



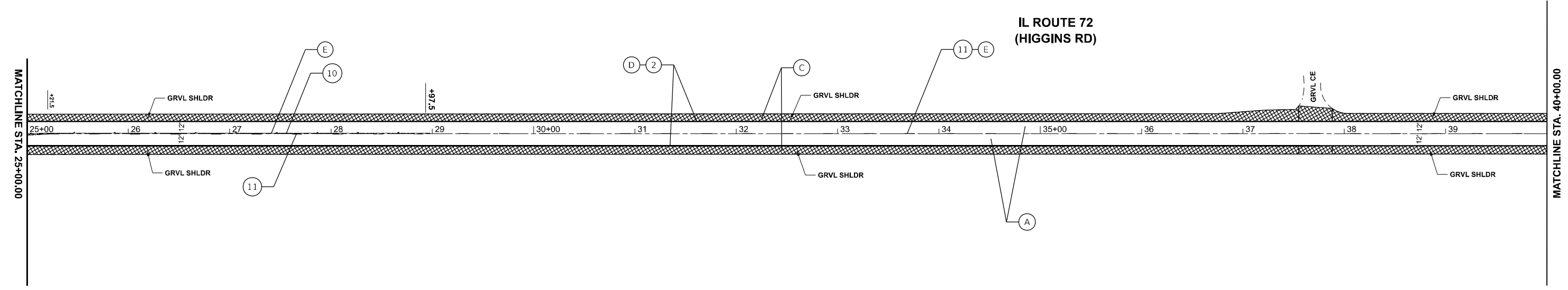
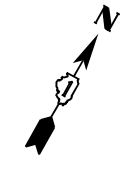
**PROPOSED PAVEMENT STRIPING LEGEND**

① PROP. THPL PVT MK LTR & SYM, 8" WHITE (TYP.)	⑥ PROP. THPL PVT MK LINE 12", DIAGONAL, WHITE (TYP.) (5 MIN.)
② PROP. THPL PVT MK LINE 4", SOLID WHITE (TYP.)	⑦ PROP. THPL PVT MK LINE 12", MED @ 45°, YEL (TYP.) (5 MIN.)
③ PROP. THPL PVT MK LINE 4", DBL YEL @ 11" C-C (TYP.)	⑧ PROP. THPL PVT MK LINE 24", STOP BAR, WHITE (TYP.)
④ PROP. THPL PVT MK LINE 6", 2' DASH, 6' SKIP, WHITE (TYP.)	⑨ PROP. HOT-SPRAY THPL PM LN 4", DBL SOLID YEL, 2 @ 11" C-C (TYP.)
⑤ PROP. THPL PVT MK LINE 6", TURN LANE, SOLID, WHITE (TYP.)	⑩ PROP. HOT-SPRAY THPL PM LN 4", SOLID YEL, (TYP.)
	⑪ PROP. HOT-SPRAY THPL PM LN 4", 10' DASH - 30' SKIP YEL, (TYP.)

INSTALL FINAL PAVEMENT MARKINGS AND RAISED REFLECTIVE MARKERS PER DISTRICT DETAIL TC-11 AND TC-13.

**PROPOSED ROADWAY WORK**

Ⓐ	<b>PROP. SMART OVERLAY:</b> - PROP. HMA SURF REM 1 1/2" - PROP. HMA SC IL-9.5 D N70, 1 1/2"
Ⓑ	PROP. HMA SURF REM BUTT JT (LIMIT OF RESURFACING)
Ⓒ	PROP. SHLD. WORK (CROSS-HATCHED) (SEE TYP. SECTION, GEN. NOTES)
Ⓓ	PROP. SHOULDER RUM STRIP 8 INCH (SEE GEN. NOTES)
Ⓔ	PROP. CENTERLN RUM STRIP 16 INCH (INSTALL PER DISTRICT DETAIL BD-55)



⑥ PROP. THPL PVT MK LINE 12", DIAGONAL, WHITE (TYP.)

MODEL: IL\_72\_RdwPlan01  
FILE NAME: c:\p\work\pav\parayno\113123\118625-shl-plan.dgn

USER NAME = Alan.Parayno	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/19/2026	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN  
IL-72 (HIGGINS RD.): REINKING RD. TO INDUSTRIAL DR.**

SCALE: 1"=50'    SHEET 7 OF 6 SHEETS    STA. 10+00.00 TO STA. 40+00.00

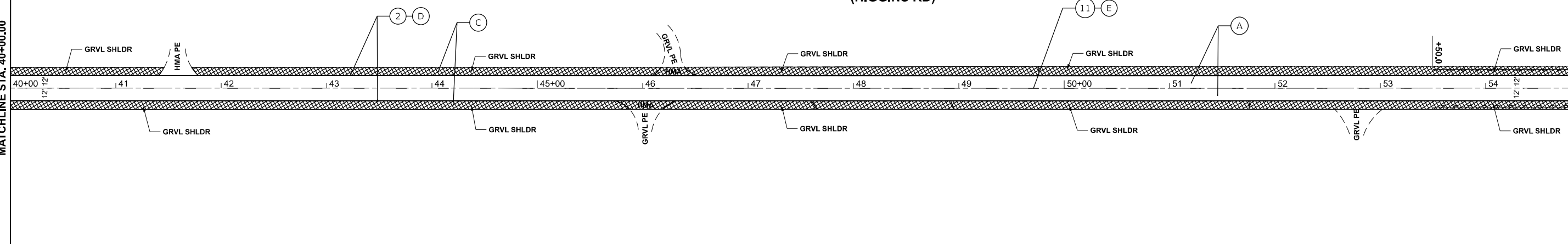
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2025-2002-RS	KANE	31	7
CONTRACT NO. 80B23				
ILLINOIS FED. AID PROJECT				

MODEL: IL\_72\_RdwyPlan02  
 FILE NAME: c:\pwworking\alanparayno\al113123\118625-shr-plan.dgn

MATCHLINE STA. 40+00.00

MATCHLINE STA. 55+00.00

**IL ROUTE 72  
(HIGGINS RD)**



**PROPOSED PAVEMENT STRIPING LEGEND**

- ① PROP. THPL PVT MK LTR & SYM, 8' WHITE (TYP.)
- ② PROP. THPL PVT MK LINE 4", SOLID WHITE (TYP.)
- ③ PROP. THPL PVT MK LINE 4", DBL YEL @ 11" C-C (TYP.)
- ④ PROP. THPL PVT MK LINE 6", 2' DASH, 6' SKIP, WHITE (TYP.)
- ⑤ PROP. THPL PVT MK LINE 6", TURN LANE, SOLID, WHITE (TYP.)
- ⑥ PROP. THPL PVT MK LINE 12", DIAGONAL, WHITE (TYP.) (5 MIN.)
- ⑦ PROP. THPL PVT MK LINE 12", MED @ 45°, YEL (TYP.) (5 MIN.)
- ⑧ PROP. THPL PVT MK LINE 24", STOP BAR, WHITE (TYP.)
- ⑨ PROP. HOT-SPRAY THPL PM LN 4", DBL SOLID YEL, 2 @ 11" C-C (TYP.)
- ⑩ PROP. HOT-SPRAY THPL PM LN 4", SOLID YEL, (TYP.)
- ⑪ PROP. HOT-SPRAY THPL PM LN 4", 10' DASH - 30' SKIP YEL, (TYP.)

INSTALL FINAL PAVEMENT MARKINGS AND RAISED REFLECTIVE MARKERS PER DISTRICT DETAIL TC-11 AND TC-13.

**PROPOSED ROADWAY WORK**

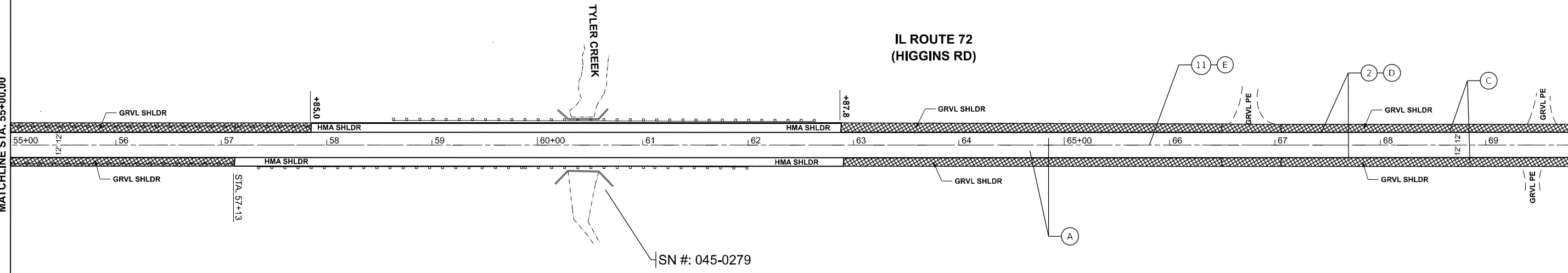
- Ⓐ **PROP. SMART OVERLAY:**  
- PROP. HMA SURF REM 1 1/2"  
- PROP. HMA SC IL-9.5 D N70, 1 1/2"
- Ⓑ PROP. HMA SURF REM BUTT JT (LIMIT OF RESURFACING)
- Ⓒ PROP. SHLD. WORK (CROSS-HATCHED) (SEE TYP. SECTION, GEN. NOTES)
- Ⓓ PROP. SHOULDER RUM STRIP 8 INCH (SEE GEN. NOTES)
- Ⓔ PROP. CENTERLN RUM STRIP 16 INCH (INSTALL PER DISTRICT DETAIL BD-55)



MATCHLINE STA. 55+00.00

MATCHLINE STA. 70+00.00

**IL ROUTE 72  
(HIGGINS RD)**



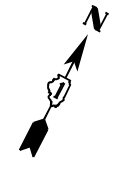
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN  
IL-72 (HIGGINS RD.); REINKING RD. TO INDUSTRIAL DR.**

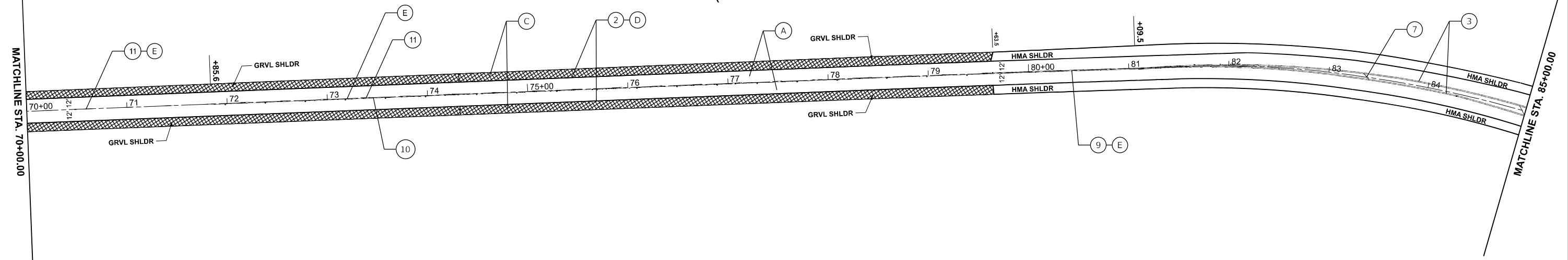
USER NAME = Alan.Parayno	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/19/2026	DATE -	REVISED -

SCALE: 1"=50' SHEET 8 OF 6 SHEETS STA. 40+00.00 TO STA. 70+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2025-2002-RS	KANE	31	8
CONTRACT NO. 80B23				
ILLINOIS FED. AID PROJECT				



**IL ROUTE 72  
(HIGGINS RD)**



**PROPOSED PAVEMENT STRIPING LEGEND**

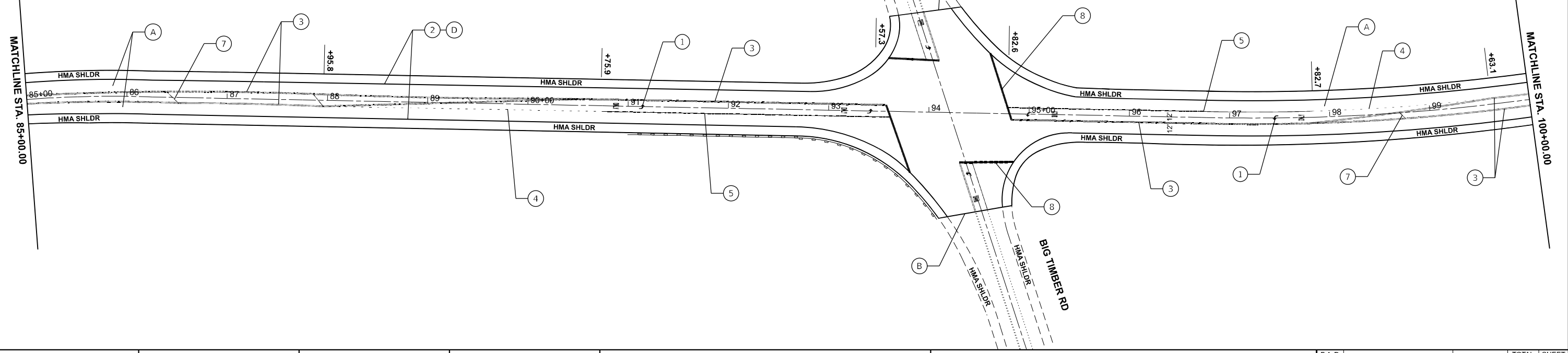
- |   |  |
|---|--|
| ① PROP. THPL PVT MK LTR & SYM, 8' WHITE (TYP.)              | ⑥ PROP. THPL PVT MK LINE 12", DIAGONAL, WHITE (TYP.) (5 MIN.)      |
| ② PROP. THPL PVT MK LINE 4", SOLID WHITE (TYP.)             | ⑦ PROP. THPL PVT MK LINE 12", MED @ 45°, YEL (TYP.) (5 MIN.)       |
| ③ PROP. THPL PVT MK LINE 4", DBL YEL @ 11" C-C (TYP.)       | ⑧ PROP. THPL PVT MK LINE 24", STOP BAR, WHITE (TYP.)               |
| ④ PROP. THPL PVT MK LINE 6", 2' DASH, 6' SKIP, WHITE (TYP.) | ⑨ PROP. HOT-SPRAY THPL PM LN 4", DBL SOLID YEL, 2 @ 11" C-C (TYP.) |
| ⑤ PROP. THPL PVT MK LINE 6", TURN LANE, SOLID, WHITE (TYP.) | ⑩ PROP. HOT-SPRAY THPL PM LN 4", SOLID YEL, (TYP.)                 |
|   | ⑪ PROP. HOT-SPRAY THPL PM LN 4", 10' DASH - 30' SKIP YEL, (TYP.)   |

INSTALL FINAL PAVEMENT MARKINGS AND RAISED REFLECTIVE MARKERS PER DISTRICT DETAIL TC-11 AND TC-13.

**PROPOSED ROADWAY WORK**

- Ⓐ PROP. SMART OVERLAY:  
- PROP. HMA SURF REM 1 1/2"  
- PROP. HMA SC IL-9.5 D N70, 1 1/2"
- Ⓑ PROP. HMA SURF REM BUTT JT (LIMIT OF RESURFACING)
- Ⓒ PROP. SHLD. WORK (CROSS-HATCHED) (SEE TYP. SECTION, GEN. NOTES)
- Ⓓ PROP. SHOULDER RUM STRIP 8 INCH (SEE GEN. NOTES)
- Ⓔ PROP. CENTERLN RUM STRIP 16 INCH (INSTALL PER DISTRICT DETAIL BD-55)

**IL ROUTE 72  
(HIGGINS RD)**



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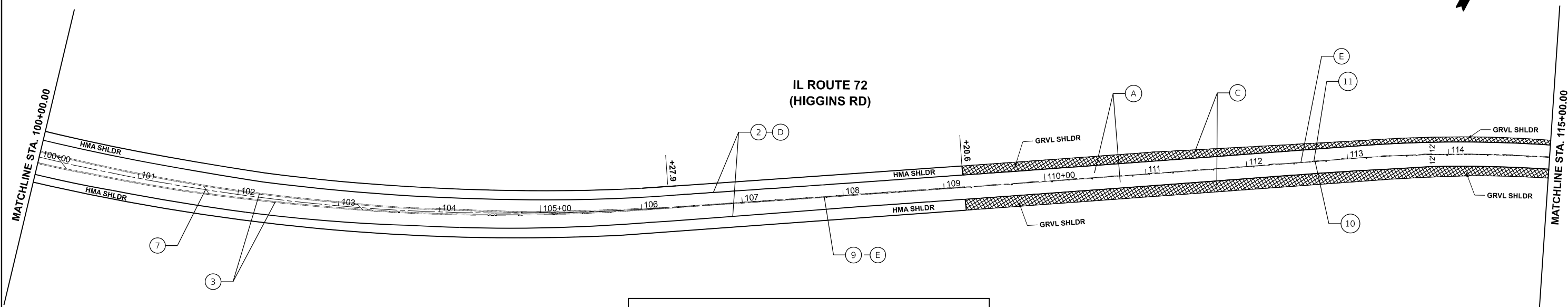
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	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/19/2026	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN  
IL-72 (HIGGINS RD.); REINKING RD. TO INDUSTRIAL DR.**

SCALE: 1"=50'    SHEET 9 OF 6 SHEETS    STA. 70+00.00 TO STA. 100+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2025-2002-RS	KANE	31	9
CONTRACT NO. 80B23				
ILLINOIS FED. AID PROJECT				



**PROPOSED PAVEMENT STRIPING LEGEND**

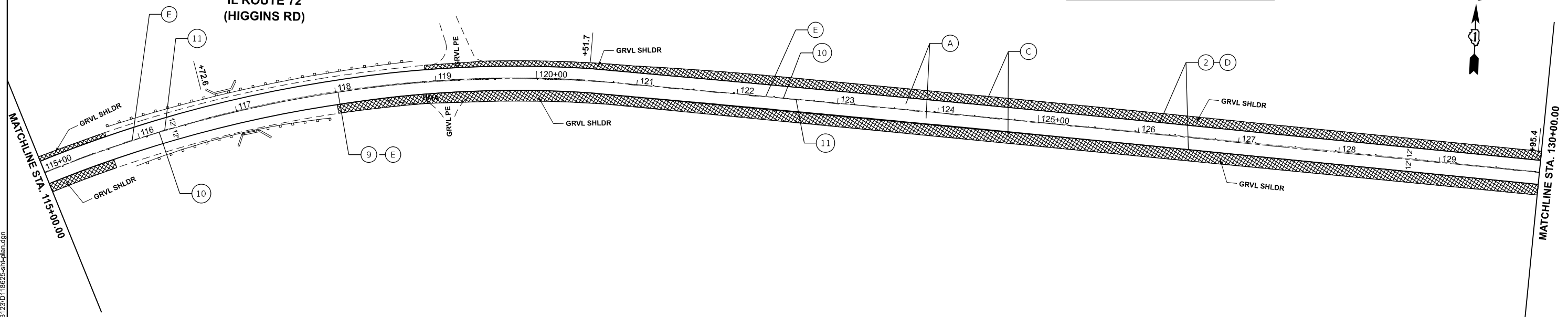
- |   |  |
|---|--|
| ① PROP. THPL PVT MK LTR & SYM, 8" WHITE (TYP.)              | ⑥ PROP. THPL PVT MK LINE 12" DIAGONAL, WHITE (TYP.) (5 MIN.)       |
| ② PROP. THPL PVT MK LINE 4", SOLID WHITE (TYP.)             | ⑦ PROP. THPL PVT MK LINE 12", MED @ 45°, YEL (TYP.) (5 MIN.)       |
| ③ PROP. THPL PVT MK LINE 4", DBL YEL @ 11" C-C (TYP.)       | ⑧ PROP. THPL PVT MK LINE 24", STOP BAR, WHITE (TYP.)               |
| ④ PROP. THPL PVT MK LINE 6", 2' DASH, 6' SKIP, WHITE (TYP.) | ⑨ PROP. HOT-SPRAY THPL PM LN 4", DBL SOLID YEL, 2 @ 11" C-C (TYP.) |
| ⑤ PROP. THPL PVT MK LINE 6", TURN LANE, SOLID, WHITE (TYP.) | ⑩ PROP. HOT-SPRAY THPL PM LN 4", SOLID YEL, (TYP.)                 |
|   | ⑪ PROP. HOT-SPRAY THPL PM LN 4", 10' DASH - 30' SKIP YEL, (TYP.)   |

INSTALL FINAL PAVEMENT MARKINGS AND RAISED REFLECTIVE MARKERS PER DISTRICT DETAIL TC-11 AND TC-13.

**PROPOSED ROADWAY WORK**

- PROP. SMART OVERLAY:**
- Ⓐ - PROP. HMA SURF REM 1 1/2"
  - PROP. HMA SC IL-9.5 D N70, 1 1/2"
- Ⓑ PROP. HMA SURF REM BUTT JT (LIMIT OF RESURFACING)
  - Ⓒ PROP. SHLD. WORK (CROSS-HATCHED) (SEE TYP. SECTION, GEN. NOTES)
  - Ⓓ PROP. SHOULDER RUM STRIP 8 INCH (SEE GEN. NOTES)
  - Ⓔ PROP. CENTERLN RUM STRIP 16 INCH (INSTALL PER DISTRICT DETAIL BD-55)

**IL ROUTE 72 (HIGGINS RD)**



MODEL: IL\_72\_RdwayPlan04  
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USER NAME = Alan.Parayno	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/19/2026	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN  
IL-72 (HIGGINS RD.); REINKING RD. TO INDUSTRIAL DR.**

SCALE: 1"=50' SHEET 10 OF 6 SHEETS STA. 100+00.00 TO STA. 130+00.00

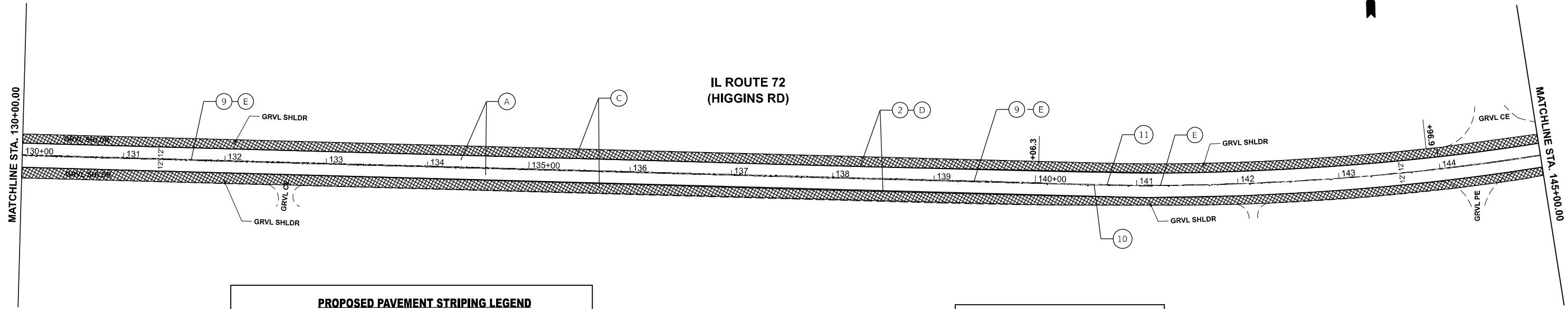
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2025-2002-RS	KANE	31	10
CONTRACT NO. 80B23				
ILLINOIS FED. AID PROJECT				



MATCHLINE STA. 130+00.00

MATCHLINE STA. 145+00.00

### IL ROUTE 72 (HIGGINS RD)



**PROPOSED PAVEMENT STRIPING LEGEND**

1	PROP. THPL PVT MK LTR & SYM, 8" WHITE (TYP.)	6	PROP. THPL PVT MK LINE 12", DIAGONAL, WHITE (TYP.) (5 MIN.)
2	PROP. THPL PVT MK LINE 4", SOLID WHITE (TYP.)	7	PROP. THPL PVT MK LINE 12", MED @ 45°, YEL (TYP.) (5 MIN.)
3	PROP. THPL PVT MK LINE 4", DBL YEL @ 11" C-C (TYP.)	8	PROP. THPL PVT MK LINE 24", STOP BAR, WHITE (TYP.)
4	PROP. THPL PVT MK LINE 6", 2' DASH, 6' SKIP, WHITE (TYP.)	9	PROP. HOT-SPRAY THPL PM LN 4", DBL SOLID YEL, 2 @ 11" C-C (TYP.)
5	PROP. THPL PVT MK LINE 6", TURN LANE, SOLID, WHITE (TYP.)	10	PROP. HOT-SPRAY THPL PM LN 4", SOLID YEL, (TYP.)
		11	PROP. HOT-SPRAY THPL PM LN 4", 10' DASH - 30' SKIP YEL, (TYP.)

INSTALL FINAL PAVEMENT MARKINGS AND RAISED REFLECTIVE MARKERS PER DISTRICT DETAIL TC-11 AND TC-13.

**PROPOSED ROADWAY WORK**

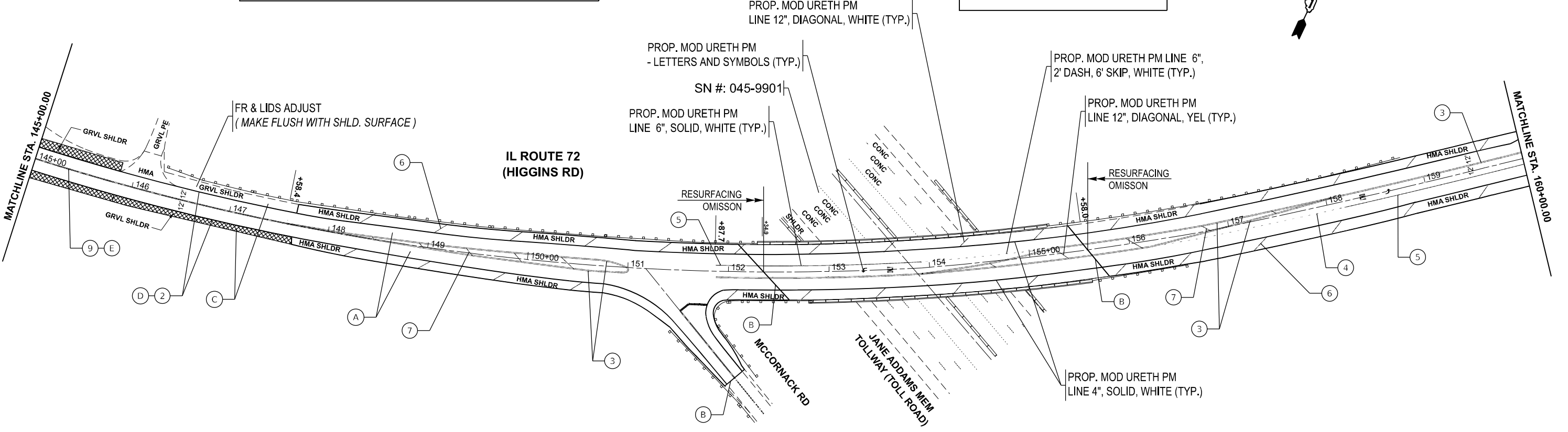
A	PROP. SMART OVERLAY: - PROP. HMA SURF REM 1 1/2" - PROP. HMA SC IL-9.5 D N70, 1 1/2"
B	PROP. HMA SURF REM BUTT JT (LIMIT OF RESURFACING)
C	PROP. SHLD. WORK (CROSS-HATCHED) (SEE TYP. SECTION, GEN. NOTES)
D	PROP. SHOULDER RUM STRIP 8 INCH (SEE GEN. NOTES)
E	PROP. CENTERLN RUM STRIP 16 INCH (INSTALL PER DISTRICT DETAIL BD-55)



MATCHLINE STA. 145+00.00

MATCHLINE STA. 160+00.00

### IL ROUTE 72 (HIGGINS RD)



MODEL: IL\_72\_RvwPlan05  
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USER NAME = Alan.Parayno	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/19/2026	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

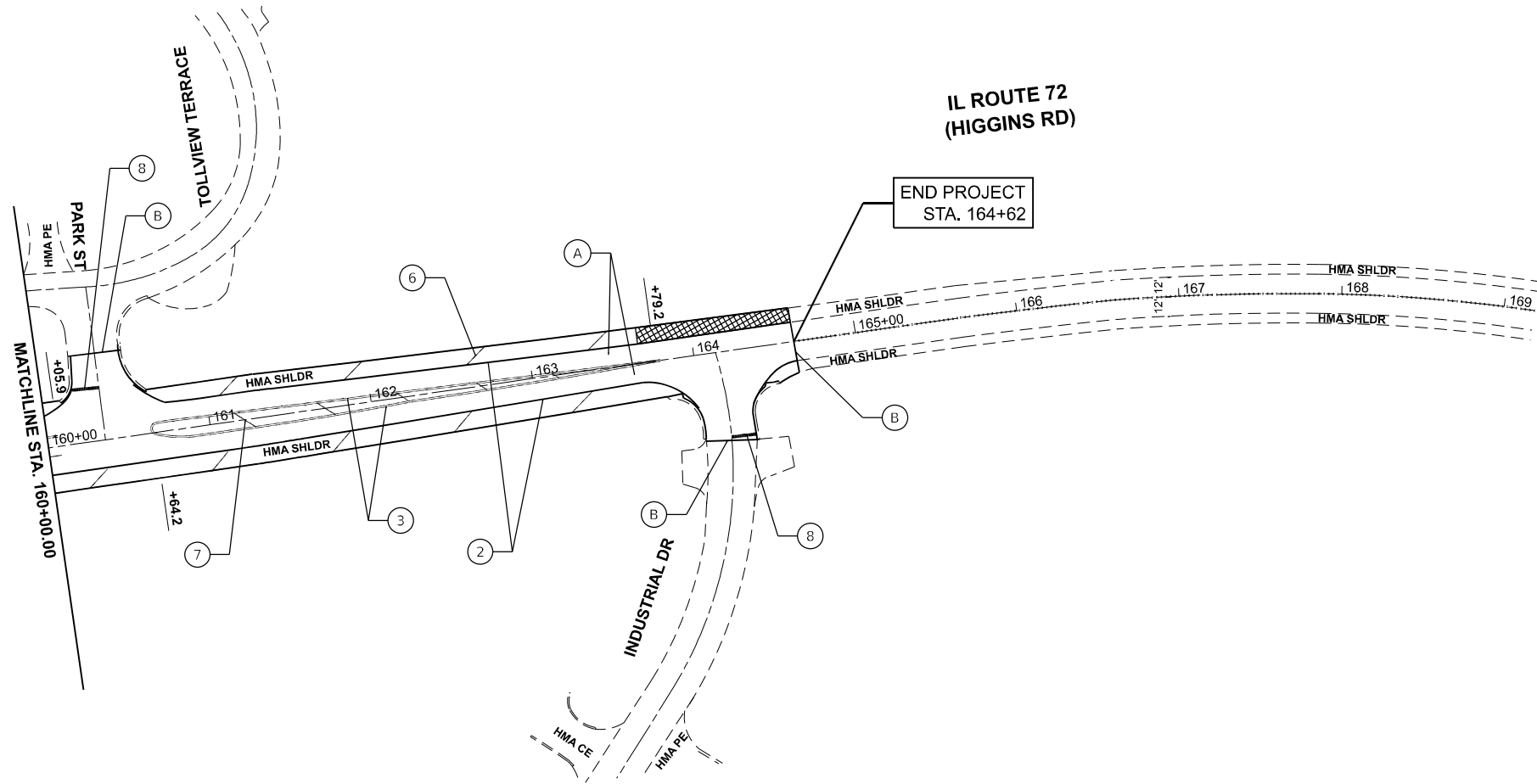
**ROADWAY PLAN**  
**IL-72 (HIGGINS RD); REINKING RD. TO INDUSTRIAL DR.**

SCALE: 1"=50'

SHEET 11 OF 6 SHEETS

STA. 130+00.00 TO STA. 160+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2025-2002-RS	KANE	31	11
CONTRACT NO. 80B23				
ILLINOIS FED. AID PROJECT				



IL ROUTE 72  
(HIGGINS RD)

END PROJECT  
STA. 164+62

MATCHLINE STA. 160+00.00

**PROPOSED PAVEMENT STRIPING LEGEND**

- |   |  |
|---|--|
| ① PROP. THPL PVT MK LTR & SYM, 8" WHITE (TYP.)              | ⑥ PROP. THPL PVT MK LINE 12", DIAGONAL, WHITE (TYP.) (5 MIN.)      |
| ② PROP. THPL PVT MK LINE 4", SOLID WHITE (TYP.)             | ⑦ PROP. THPL PVT MK LINE 12", MED @ 45°, YEL (TYP.) (5 MIN.)       |
| ③ PROP. THPL PVT MK LINE 4", DBL YEL @ 11" C-C (TYP.)       | ⑧ PROP. THPL PVT MK LINE 24", STOP BAR, WHITE (TYP.)               |
| ④ PROP. THPL PVT MK LINE 6", 2' DASH, 6' SKIP, WHITE (TYP.) | ⑨ PROP. HOT-SPRAY THPL PM LN 4", DBL SOLID YEL, 2 @ 11" C-C (TYP.) |
| ⑤ PROP. THPL PVT MK LINE 6", TURN LANE, SOLID, WHITE (TYP.) | ⑩ PROP. HOT-SPRAY THPL PM LN 4", SOLID YEL, (TYP.)                 |
|   | ⑪ PROP. HOT-SPRAY THPL PM LN 4", 10' DASH - 30' SKIP YEL, (TYP.)   |

INSTALL FINAL PAVEMENT MARKINGS AND RAISED REFLECTIVE MARKERS PER DISTRICT DETAIL TC-11 AND TC-13.

**PROPOSED ROADWAY WORK**

- |   |  |
|---|--|
| A | PROP. SMART OVERLAY:<br>- PROP. HMA SURF REM 1 1/2"<br>- PROP. HMA SC IL-9.5 D N70, 1 1/2" |
| B | PROP. HMA SURF REM BUTT JT<br>(LIMIT OF RESURFACING)                                       |
| C | PROP. SHLD. WORK (CROSS-HATCHED)<br>(SEE TYP. SECTION, GEN. NOTES)                         |
| D | PROP. SHOULDER RUM STRIP 8 INCH<br>(SEE GEN. NOTES)  |
| E | PROP. CENTERLN RUM STRIP 16 INCH<br>(INSTALL PER DISTRICT DETAIL BD-55)                    |

MODEL: IL\_72\_RéviewPlan.dwg  
FILE NAME: c:\p\work\project\parayno\113123\118625-shl-plan.dwg

USER NAME = Alan.Parayno	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/19/2026	DATE -	REVISED -

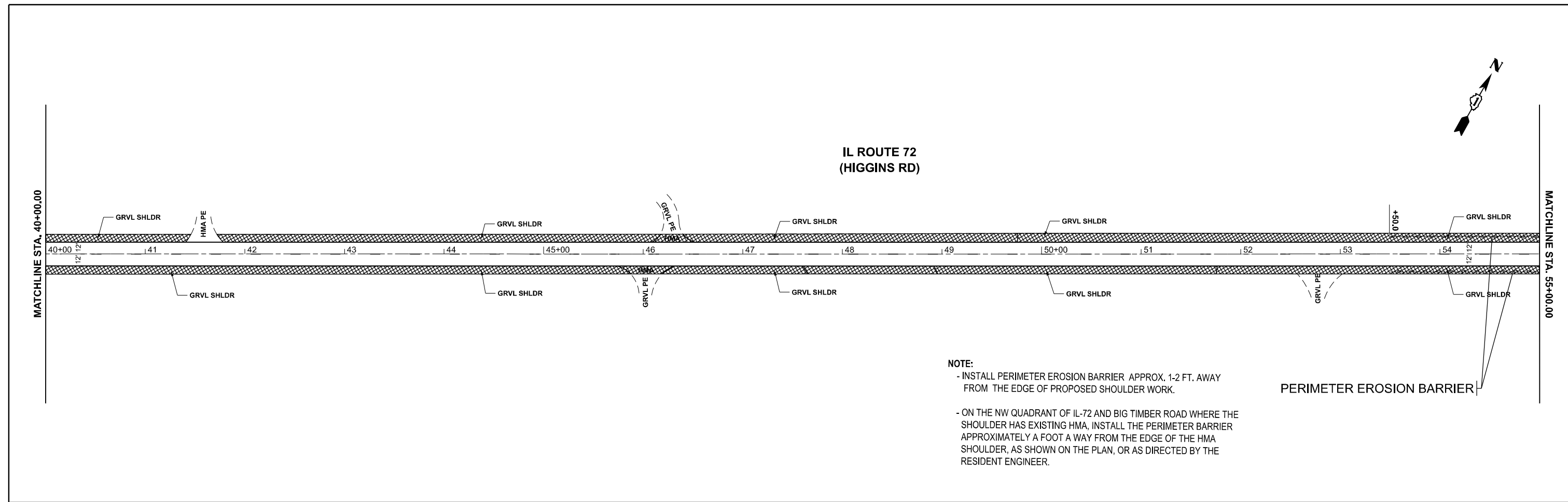
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN  
IL-72 (HIGGINS RD.): REINKING RD. TO INDUSTRIAL DR.

SCALE: SHEET 12 OF 6 SHEETS STA. 160+00.00 TO STA. 175+00.00

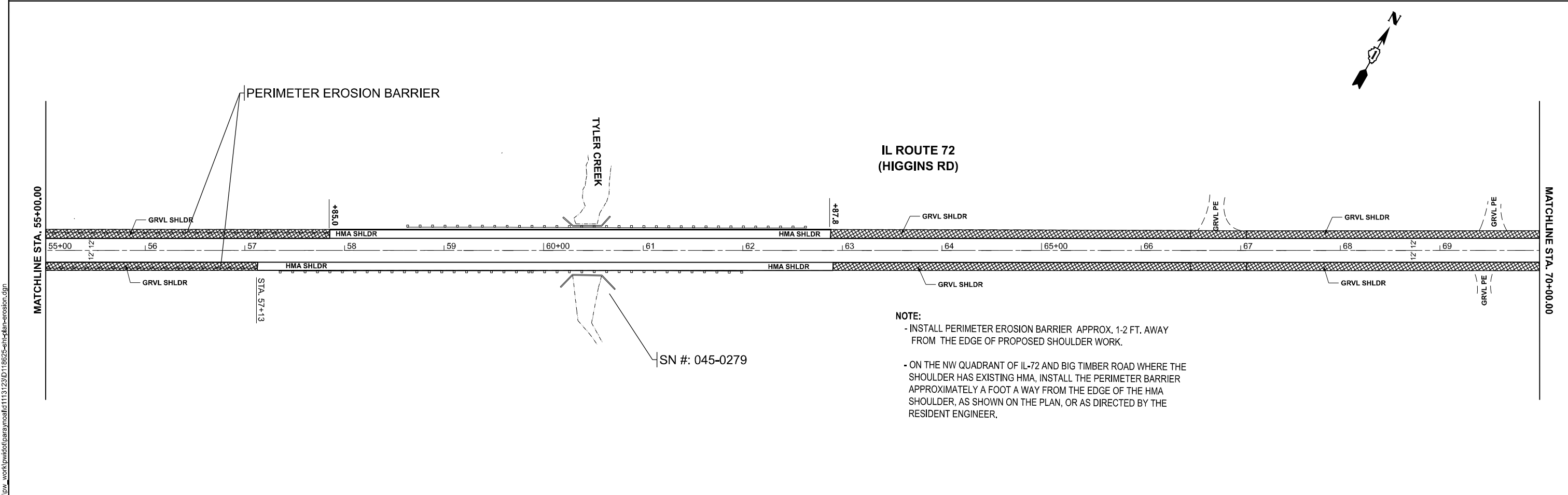
F.A.P. RTE. 341	SECTION 2025-2002-RS	COUNTY KANE	TOTAL SHEETS 31	SHEET NO. 12
ILLINOIS FED. AID PROJECT			CONTRACT NO. 80B23	

MODEL: IL\_72\_EROSIONPlan02  
 FILE NAME: c:\p\work\erodp\parayno\113123\118625-shlt-plan-erosion.dgn



**NOTE:**  
 - INSTALL PERIMETER EROSION BARRIER APPROX. 1-2 FT. AWAY FROM THE EDGE OF PROPOSED SHOULDER WORK.  
 - ON THE NW QUADRANT OF IL-72 AND BIG TIMBER ROAD WHERE THE SHOULDER HAS EXISTING HMA, INSTALL THE PERIMETER BARRIER APPROXIMATELY A FOOT A WAY FROM THE EDGE OF THE HMA SHOULDER, AS SHOWN ON THE PLAN, OR AS DIRECTED BY THE RESIDENT ENGINEER.

PERIMETER EROSION BARRIER



**NOTE:**  
 - INSTALL PERIMETER EROSION BARRIER APPROX. 1-2 FT. AWAY FROM THE EDGE OF PROPOSED SHOULDER WORK.  
 - ON THE NW QUADRANT OF IL-72 AND BIG TIMBER ROAD WHERE THE SHOULDER HAS EXISTING HMA, INSTALL THE PERIMETER BARRIER APPROXIMATELY A FOOT A WAY FROM THE EDGE OF THE HMA SHOULDER, AS SHOWN ON THE PLAN, OR AS DIRECTED BY THE RESIDENT ENGINEER.

SN #: 045-0279

USER NAME = Alan.Parayno	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/19/2026	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

**EROSION CONTROL PLAN**  
**IL-72 (HIGGINS RD.); REINKING RD. TO INDUSTRIAL DR.**  
 SCALE: 1"=50' SHEET 13 OF 2 SHEETS STA. 40+00.00 TO STA. 70+00.00

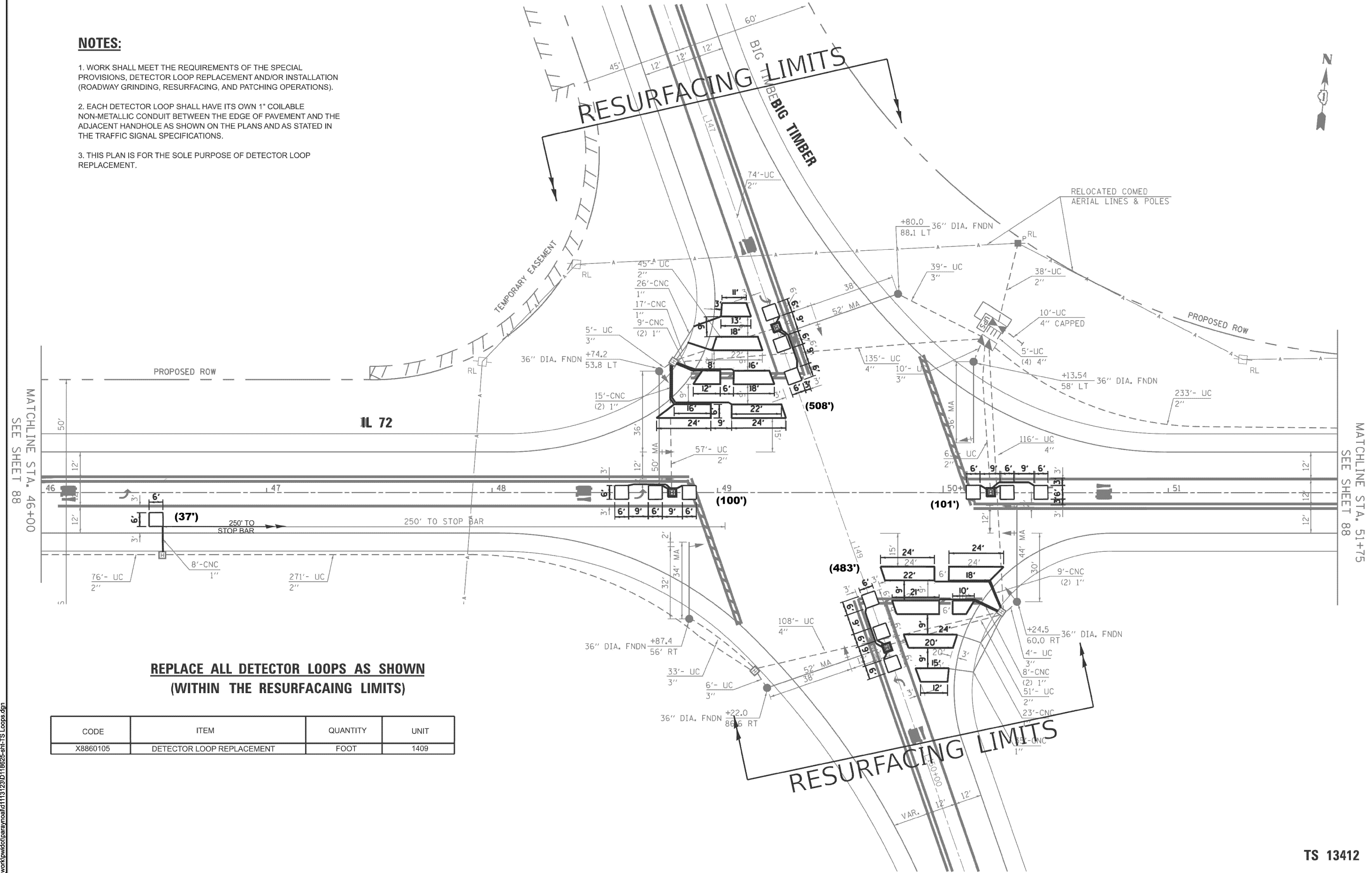
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2025-2002-RS	KANE	31	13
CONTRACT NO. 80B23				
ILLINOIS FED. AID PROJECT				





**NOTES:**

1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISIONS, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING, AND 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 THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.



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

CODE	ITEM	QUANTITY	UNIT
X8860105	DETECTOR LOOP REPLACEMENT	FOOT	1409

MODEL: L\_OOPS 2 (Sheet)  
FILE NAME: c:\pwr\_work\lowts\parayno\1113123\0118625-shr-TS\_Loops.dgn

USER NAME = Alan.Parayno	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/19/2026	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETECTION LOOP REPLACEMENT PLAN  
IL 72 AT BIG TIMBER ROAD**

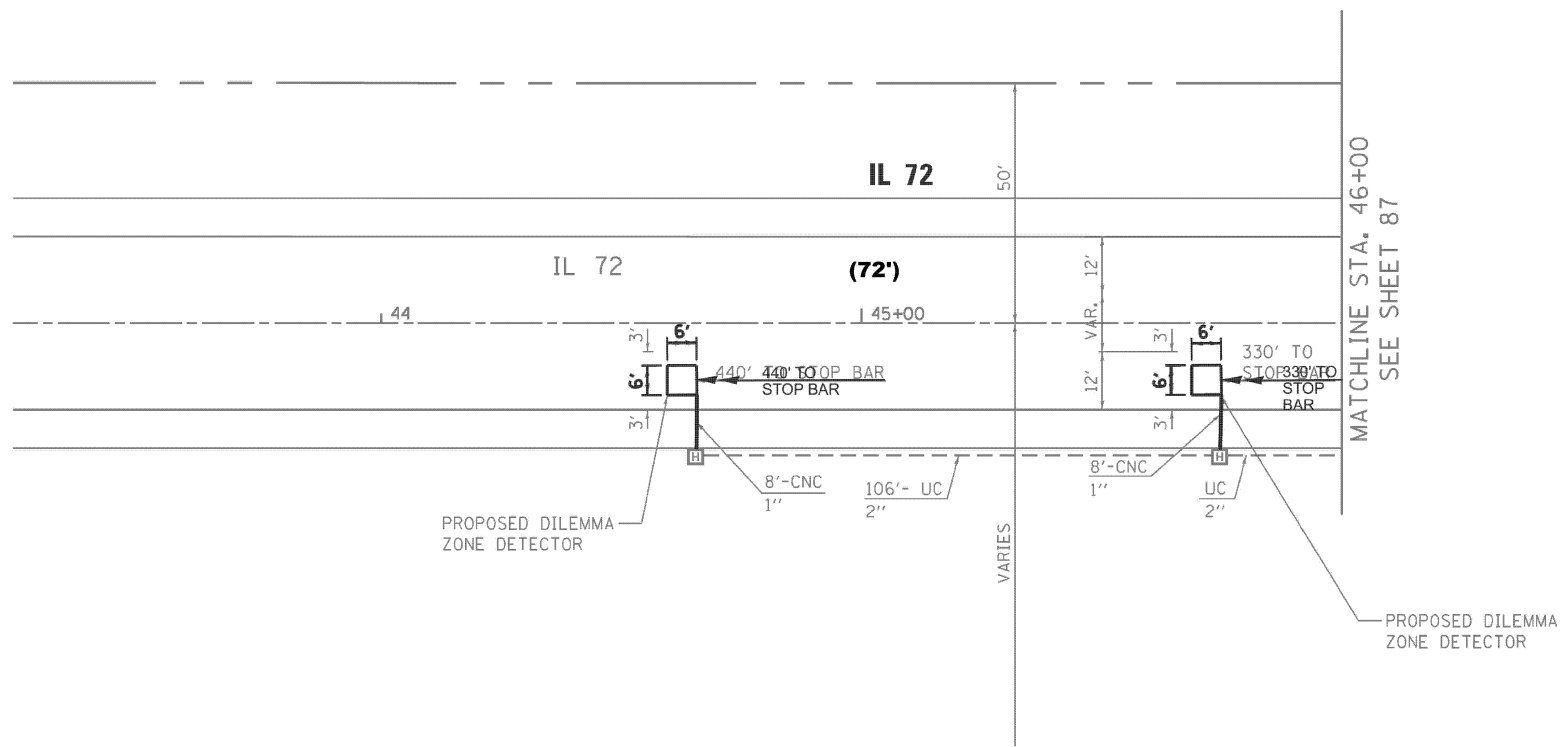
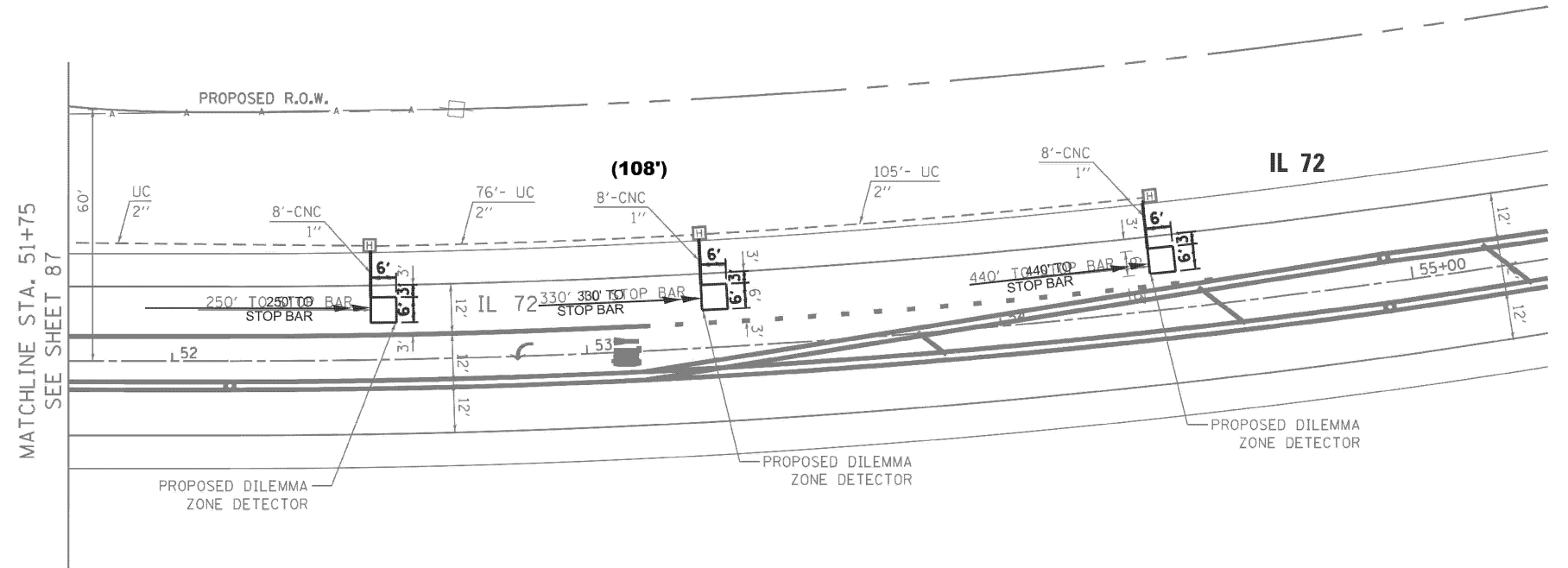
SCALE: SHEET 16 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2025-2002-RS	KANE	31	16
CONTRACT NO. 80B23				
ILLINOIS FED. AID PROJECT				

**TS 13412**

**NOTES:**

1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISIONS, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING, AND 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 THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.



TS 13412

MODEL: LOOPS 3 (Sheet)  
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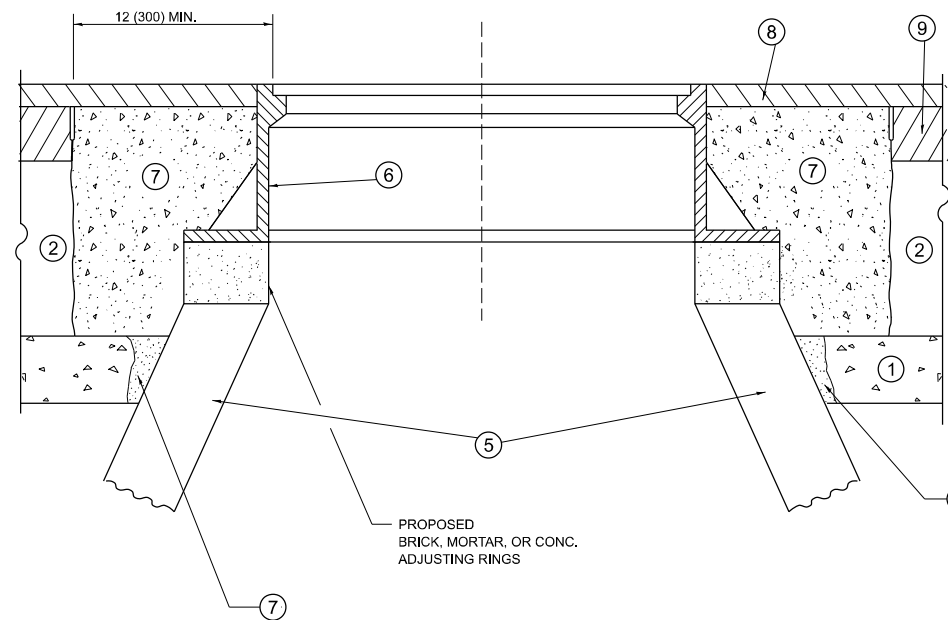
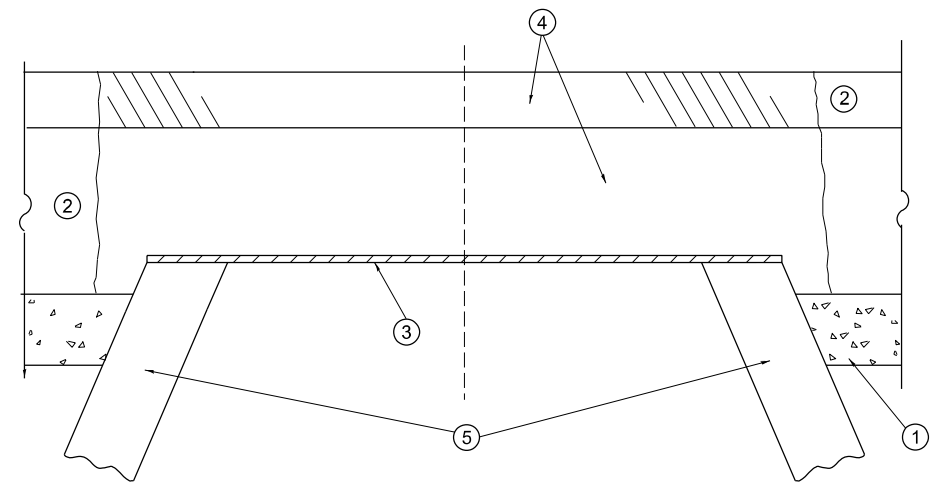
USER NAME = Alan.Parayno	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/19/2026	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DETECTION LOOP REPLACEMENT PLAN  
IL 72 AT BIG TIMBER ROAD

SCALE: SHEET 17 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2025-2002-RS	KANE	31	17
CONTRACT NO. 80B23				
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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USER NAME = Alan.Parayno	DESIGNED - R. SHAH	REVISED - R. BORO 03-09-11
	DRAWN -	REVISED - R. BORO 12-06-11
	CHECKED -	REVISED - K. SMITH 11-18-22
PLOT DATE = 3/19/2026	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.

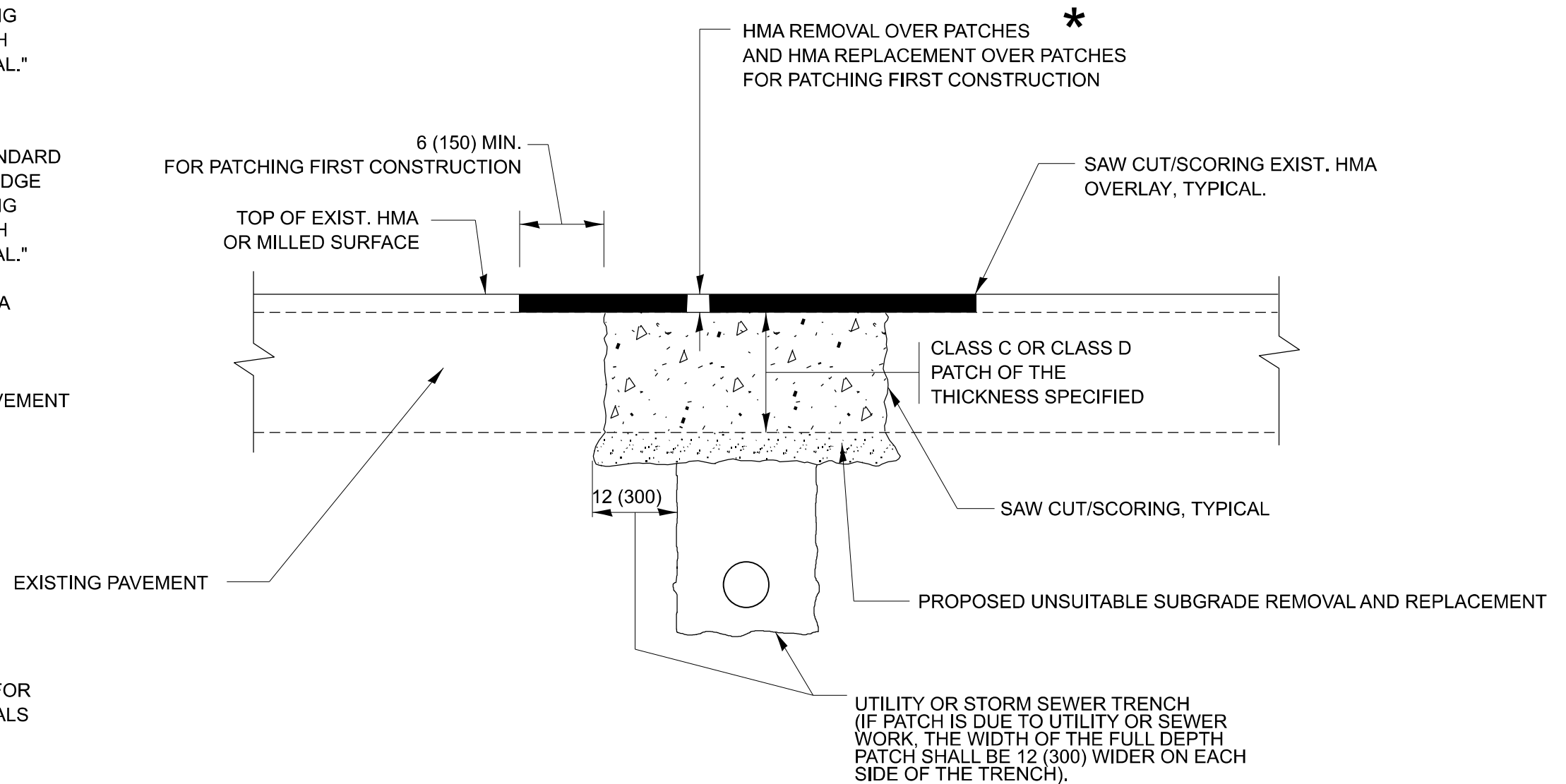
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2025-2002-RS	KANE	31	18
<b>BD600-03 (BD-08)</b>			CONTRACT NO. 80B23	
ILLINOIS FED. AID PROJECT				

## 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.



## 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 4 ½ 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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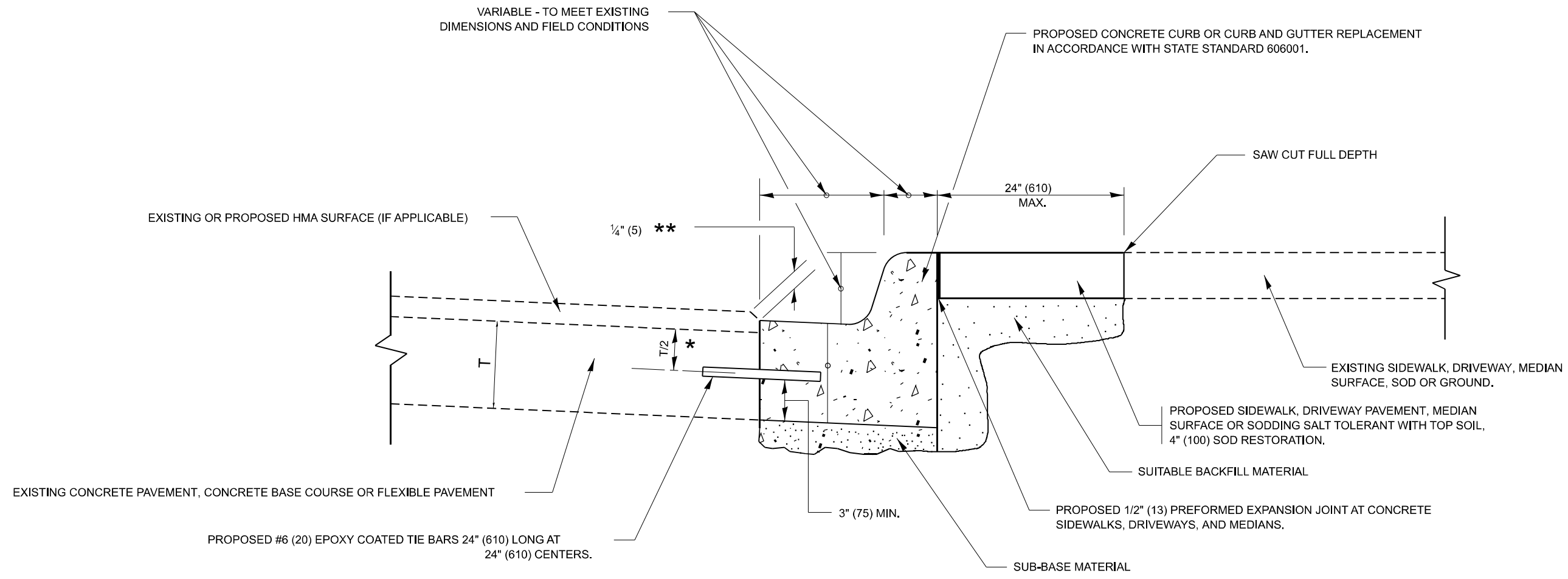
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	CHECKED -	REVISED - K. ENG 10-27-08
PLOT DATE = 3/19/2026	DATE - 10-25-94	REVISED - K. SMITH 11-18-22

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.
341	2025-2002-RS	KANE	31	19
BD400-04 (BD-22)			CONTRACT NO. 80B23	
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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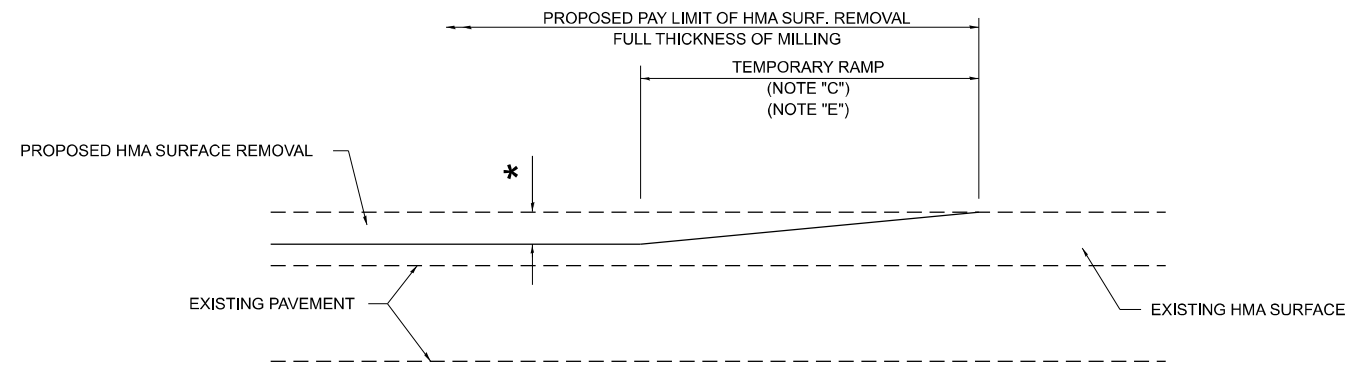
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	DRAWN -	REVISED - M. GOMEZ 01-22-01
	CHECKED -	REVISED - R. BORO 12-15-09
PLOT DATE = 3/19/2026	DATE - 03-11-94	REVISED - K. SMITH 07-11-19

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

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

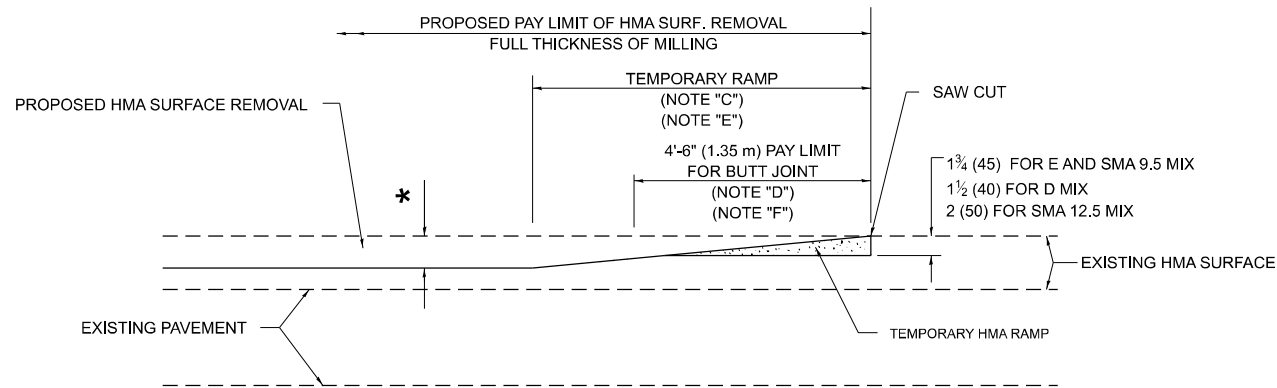
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341	2025-2002-RS	KANE	31	20
<b>BD600-06 (BD-24)</b>		CONTRACT NO. 80B23		
ILLINOIS FED. AID PROJECT				



**MILLED TEMPORARY RAMP**

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

**OPTION 1**

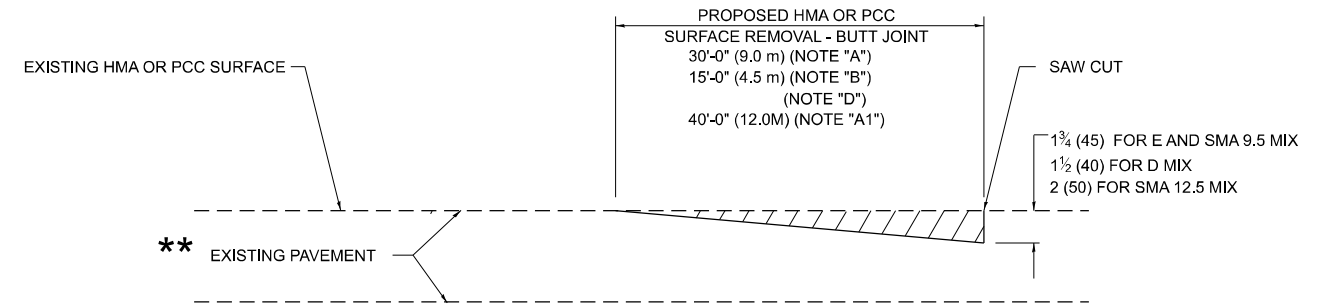


**HMA CONSTRUCTED TEMPORARY RAMP**

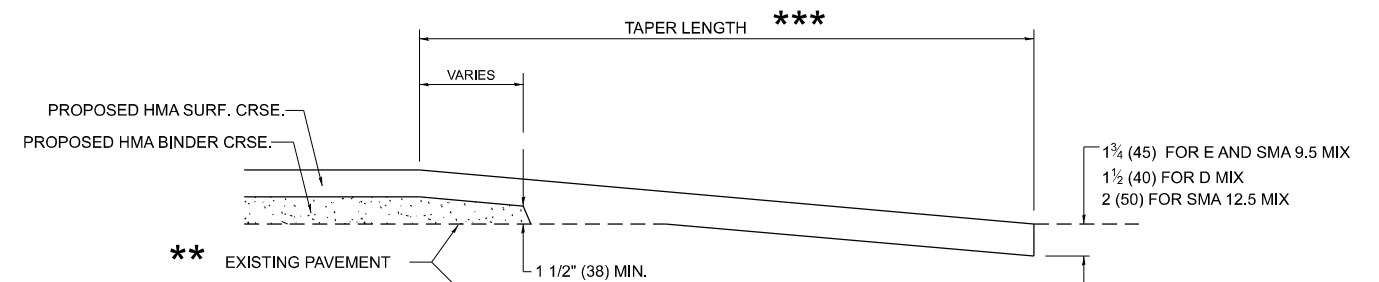
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

**OPTION 2**

**TYPICAL TEMPORARY RAMP**



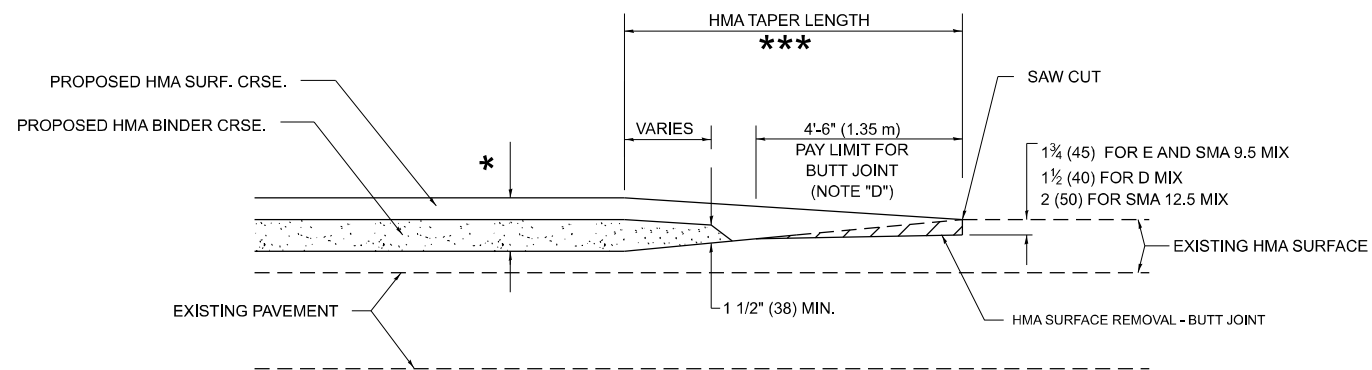
**BUTT JOINT DETAIL**



**HMA TAPER DETAIL**

**TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY**

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



**BUTT JOINT AND HMA TAPER**

**TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING**

**GENERAL NOTES**

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

**BASIS OF PAYMENT**

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

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

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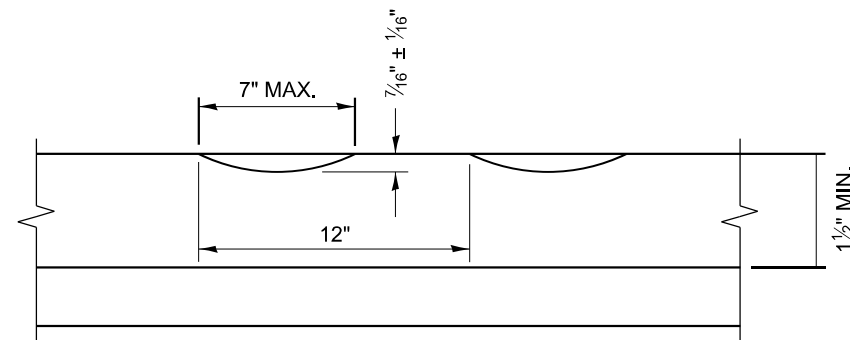
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	CHECKED -	REVISED - R. BORO 01-01-07
PLOT DATE = 3/19/2026	DATE - 06-13-90	REVISED - K. SMITH 11-18-22

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

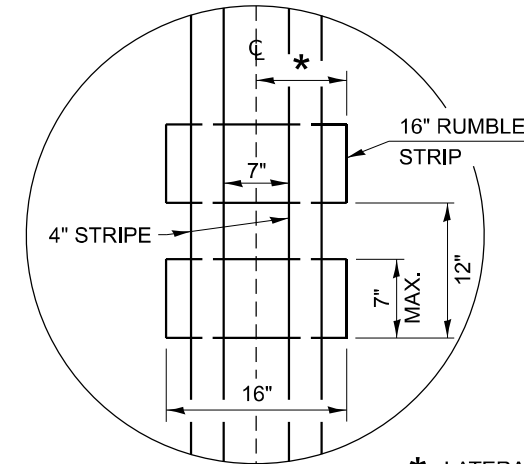
**BUTT JOINT AND HMA TAPER DETAILS**

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2025-2002-RS	KANE	31	21
<b>BD400-05 BD-32</b>		CONTRACT NO. 80B23		
ILLINOIS FED. AID PROJECT				



**SECTION A-A**



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

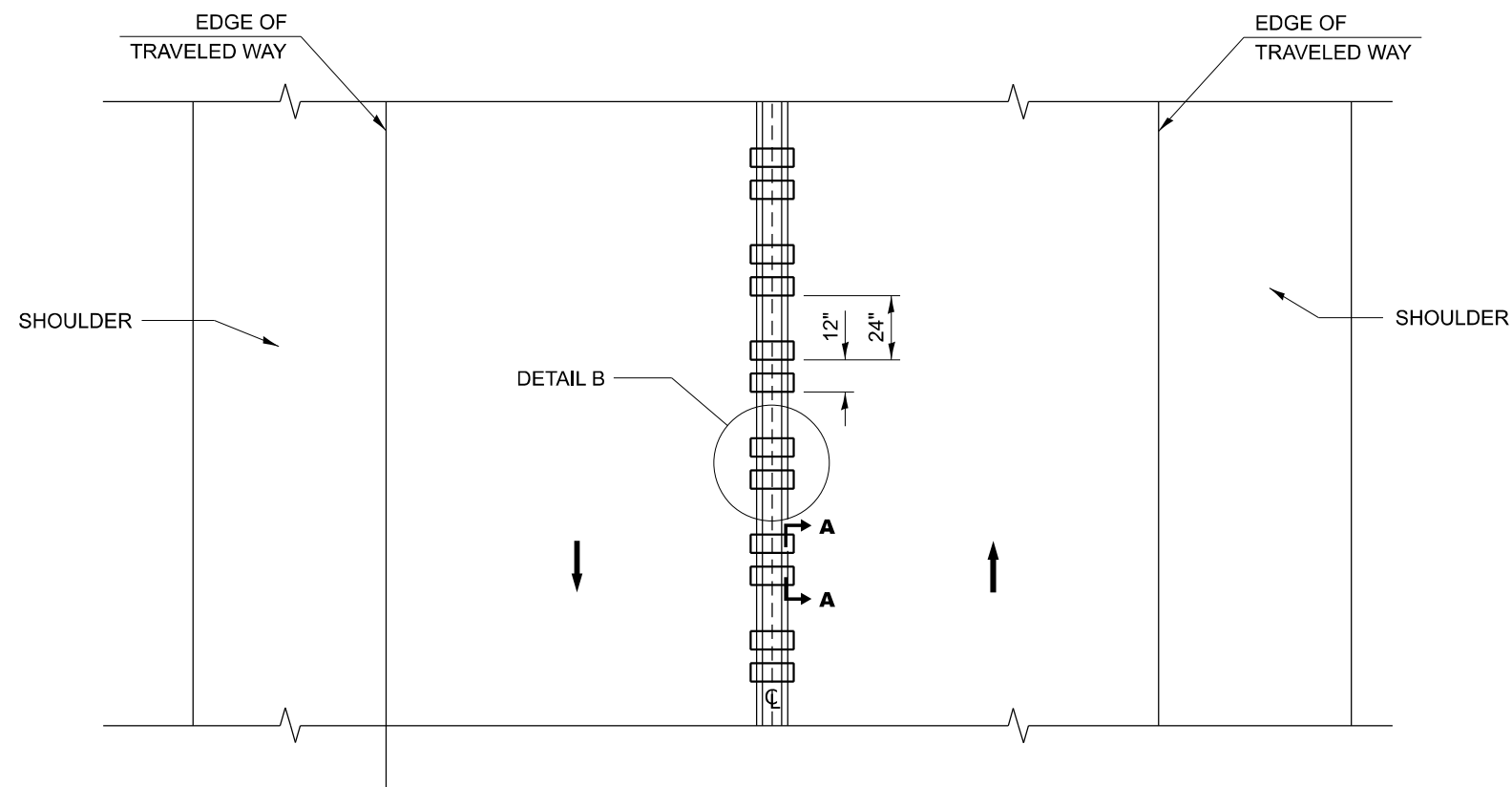
**DETAIL B**

**GENERAL NOTES**

1. CENTERLINE RUMBLE STRIPS SHALL BE CONSTRUCTED ACCORDING TO SECTION 642 ALONG THE CENTERLINE OF PAVEMENT.
2. SEE STANDARD 780001 FOR OTHER STRIPING LAYOUTS.
3. RUMBLE STRIPS SHALL NOT BE PLACED ON BRIDGES.
4. ALL RUMBLE STRIPS SHALL BE MILLED.
5. CENTERLINE RUMBLE STRIPS SHALL BE CONTINUOUS THROUGH CONNECTIONS OF SIDEROADS WITH NO LEFT TURN LANES.
6. DISCONTINUE CENTERLINE RUMBLE STRIPS THROUGH THE LIMITS OF ALL LEFT TURN LANES, INCLUDING ANY LANE TAPER SECTIONS.
7. AFTER RUMBLE STRIPS ARE INSTALLED, THE PAVEMENT SURFACE SHALL BE SWEEPED CLEAN PRIOR TO THE PLACEMENT OF THE NEW PAVEMENT MARKINGS.
8. WHERE USED, ADJUST SPACING OF RAISED REFLECTIVE PAVEMENT MARKERS TO FALL IN WIDER GAP BETWEEN RUMBLE STRIPS.

**BASIS OF PAYMENT**

1. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR CENTERLINE-RUMBLE STRIP OF THE WIDTH SPECIFIED.
2. HOT-SPRAY THERMOPLASTIC PAVEMENT MARKING WILL BE USED OVER THE RUMBLE STRIPS, AND WILL BE PAID FOR SEPARATELY.



**TWO-WAY ROAD**

MODEL: BD-55 (Sheet)  
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PLOT DATE = 3/19/2026	DATE - 08-06-2012	REVISED -

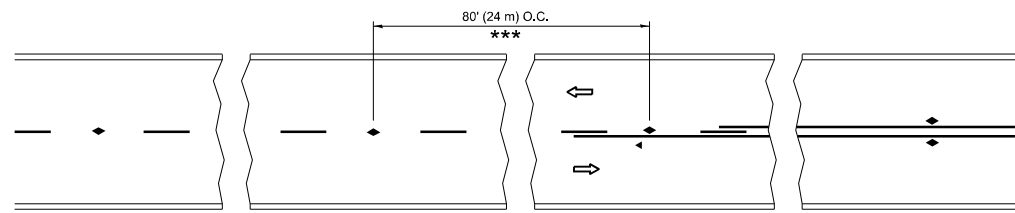
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**RUMBLE STRIPS FOR CENTERLINE, NON-FREEWAY**

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

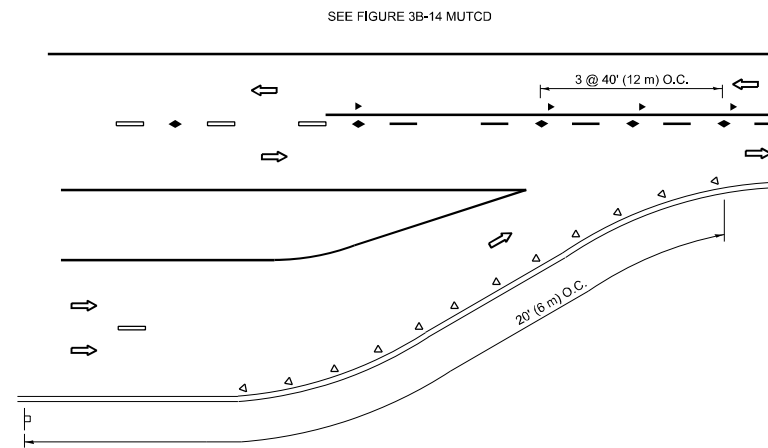
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2025-2002-RS	KANE	31	22
<b>BD 55</b>			CONTRACT NO. 80B23	
ILLINOIS FED. AID PROJECT				



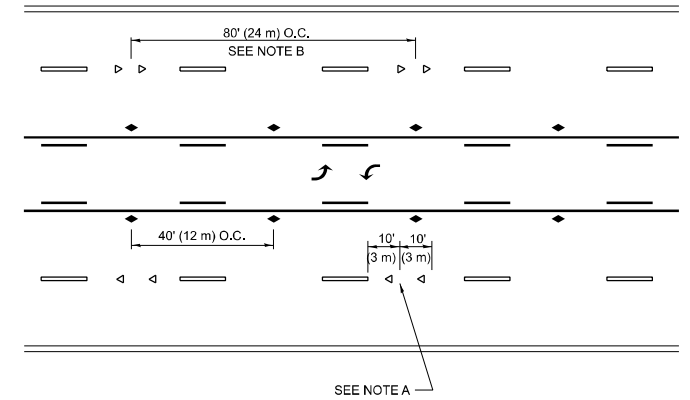


\*\*\* REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

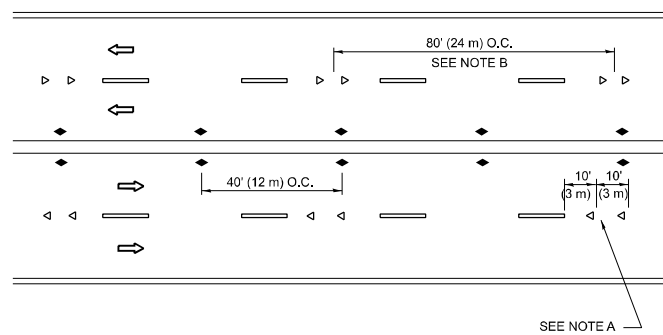
### TWO-LANE/TWO-WAY



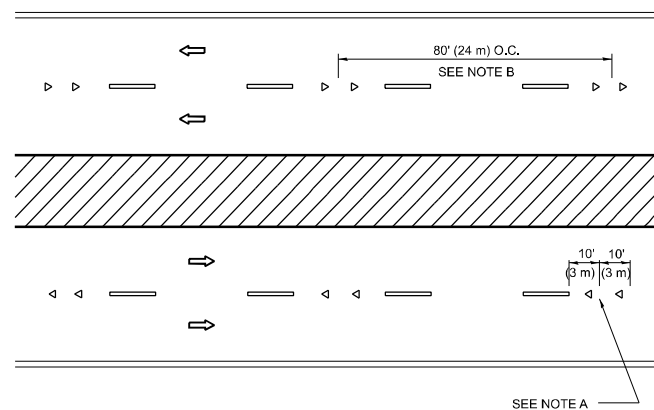
### LANE REDUCTION TRANSITION



### 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

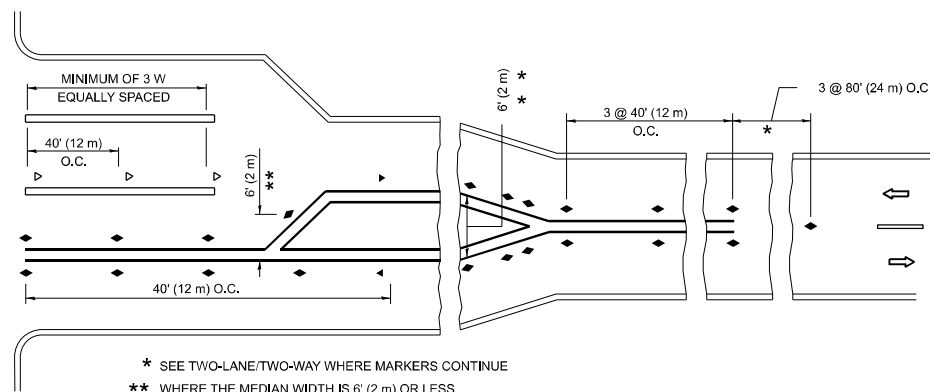
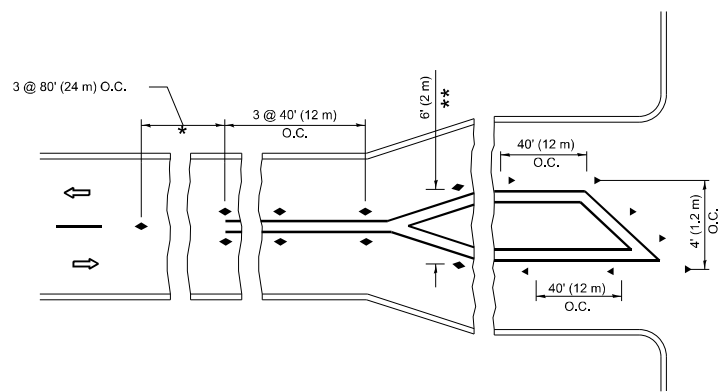
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

### 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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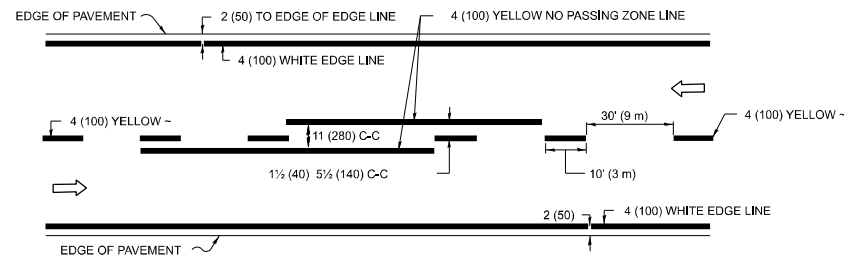
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PLOT DATE = 3/19/2026	DATE -	REVISED - C. JUCIUS 07-01-13

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

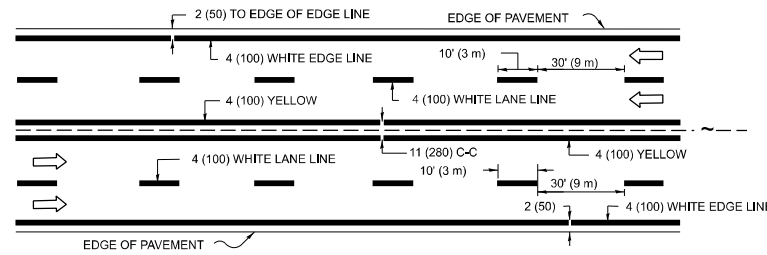
TYPICAL APPLICATIONS  
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)

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

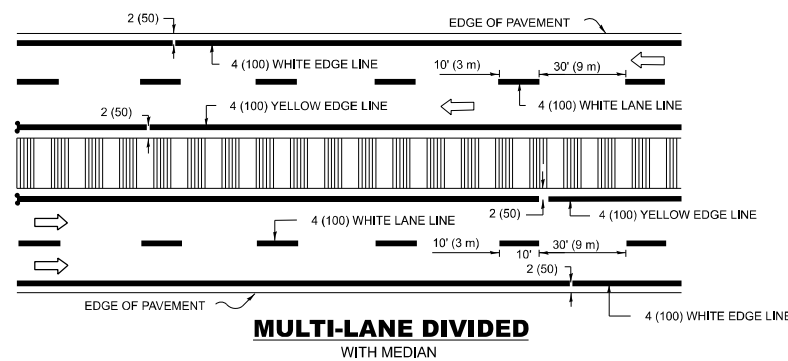
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2025-2002-RS	KANE	31	24
TC-11			CONTRACT NO. 80B23	
ILLINOIS FED. AID PROJECT				



**2-LANE ROADWAY**

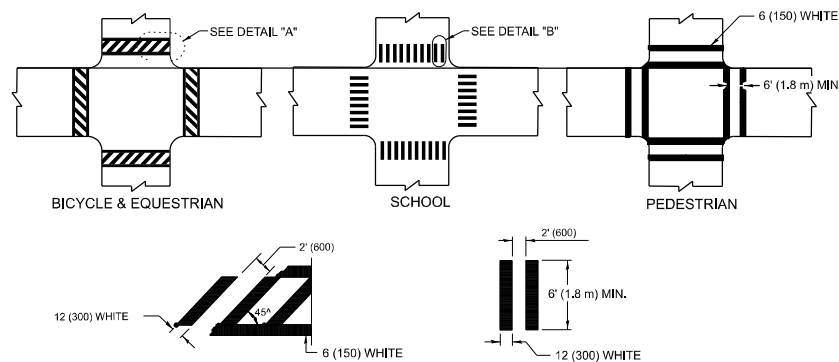


**MULTI-LANE UNDIVIDED**



**MULTI-LANE DIVIDED WITH MEDIAN**

**TYPICAL LANE AND EDGE LINE MARKING**

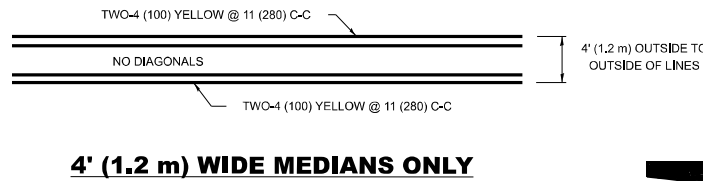


**DETAIL "A"**

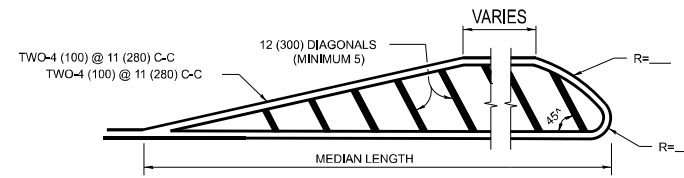
**DETAIL "B"**

**TYPICAL CROSSWALK MARKING**

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

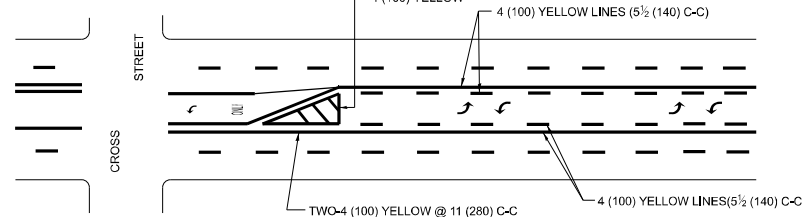


**4' (1.2 m) WIDE MEDIANS ONLY**



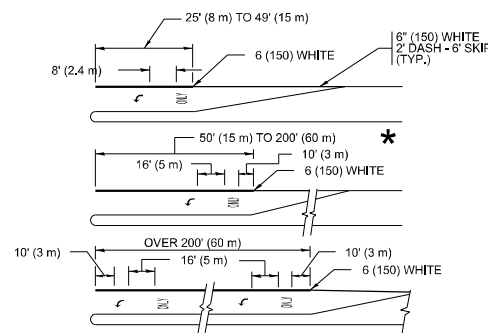
**MEDIANS OVER 4' (1.2 m) WIDE**

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**

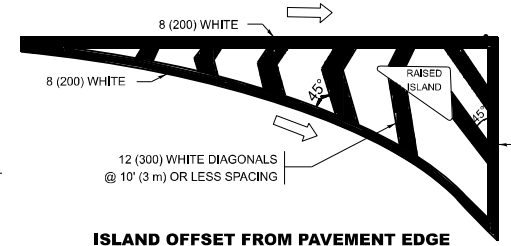
A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



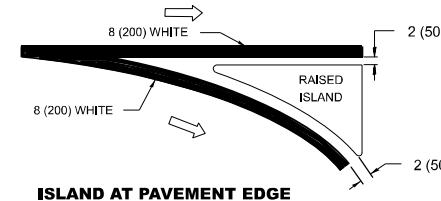
**TYPICAL LEFT (OR RIGHT) TURN LANE**

**TYPICAL TURN LANE MARKING**

FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED. AREA = 15.6 SQ. FT. (1.5 m<sup>2</sup>) ONLY AREA = 20.8 SQ. FT. (1.9 m<sup>2</sup>)  
\* 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".

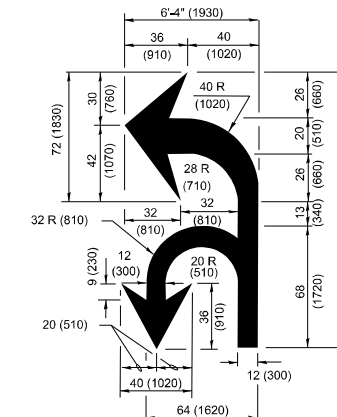


**ISLAND OFFSET FROM PAVEMENT EDGE**

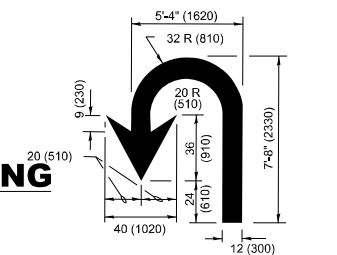


**ISLAND AT PAVEMENT EDGE**

**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: 15 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: *R*=3.6 SQ. FT. (0.33 m <sup>2</sup> ) EACH *X*=54.0 SQ. FT. (5.0 m <sup>2</sup> )
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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

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

MODEL: TC-13 (Sheet)  
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USER NAME = Alan.Parayno	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
	DRAWN - C. JUCIUS 07-01-13	REVISED - C. JUCIUS 12-21-15
	CHECKED -	REVISED - C. JUCIUS 04-12-16
PLOT DATE = 3/19/2026	DATE - 03-19-90	

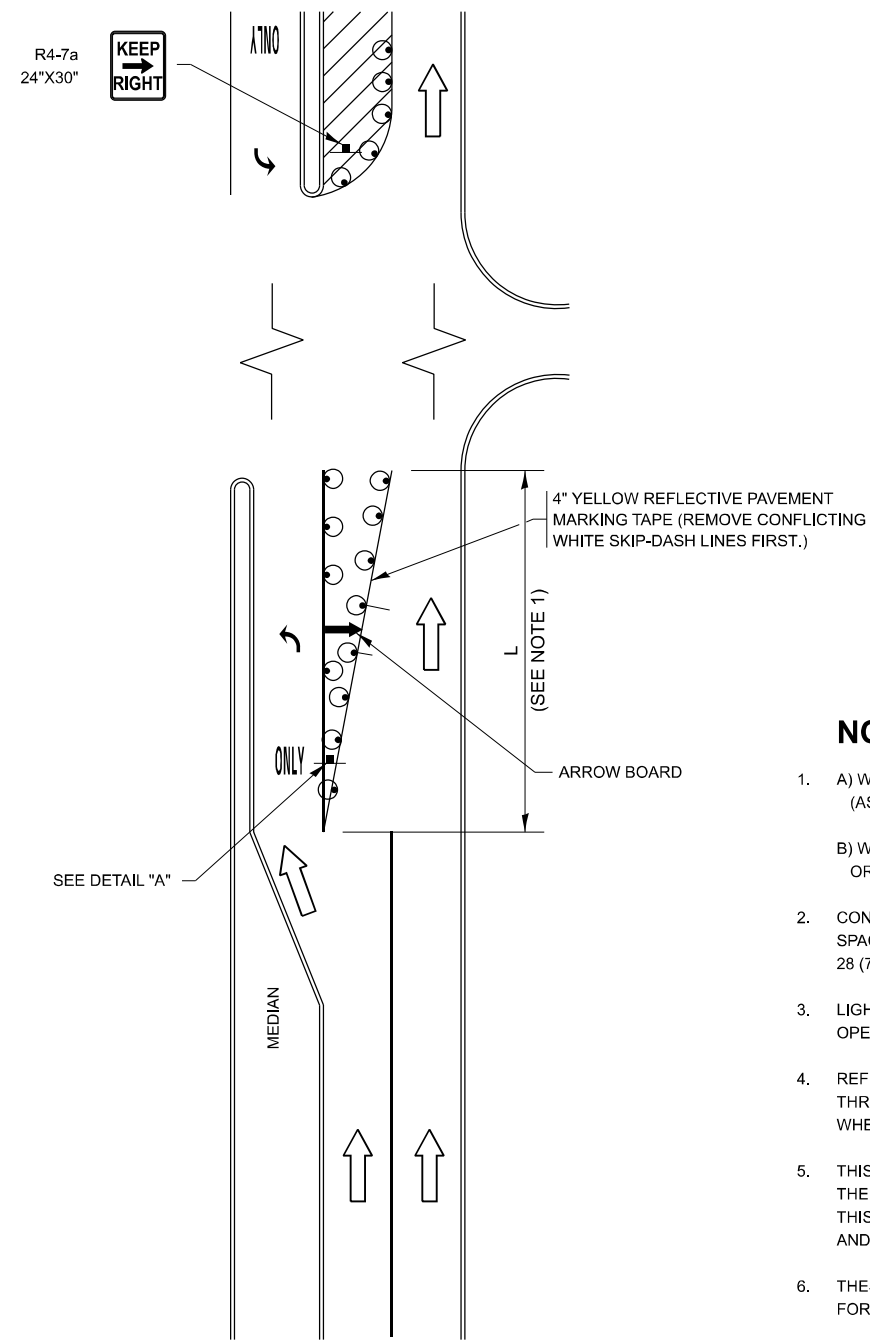
**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE TYPICAL PAVEMENT MARKINGS**

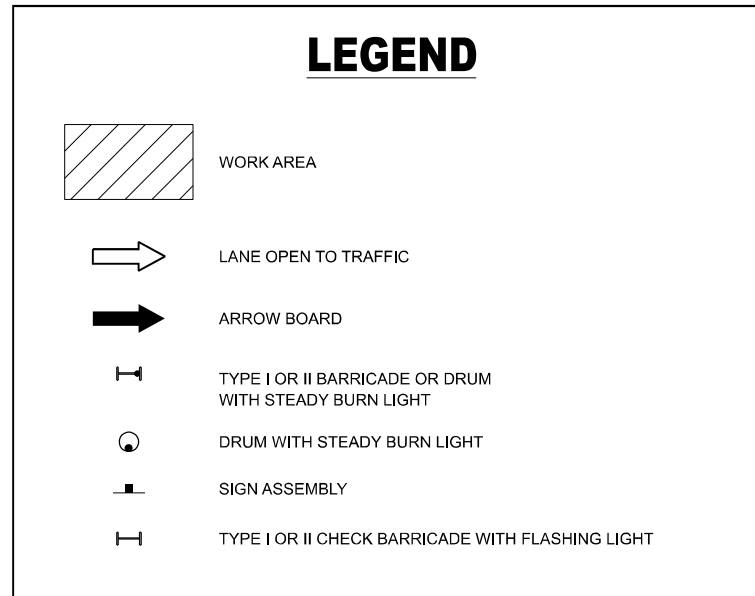
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2025-2002-RS	KANE	31	25
<b>TC-13</b>		CONTRACT NO. 80B23		
		ILLINOIS FED. AID PROJECT		

# TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER



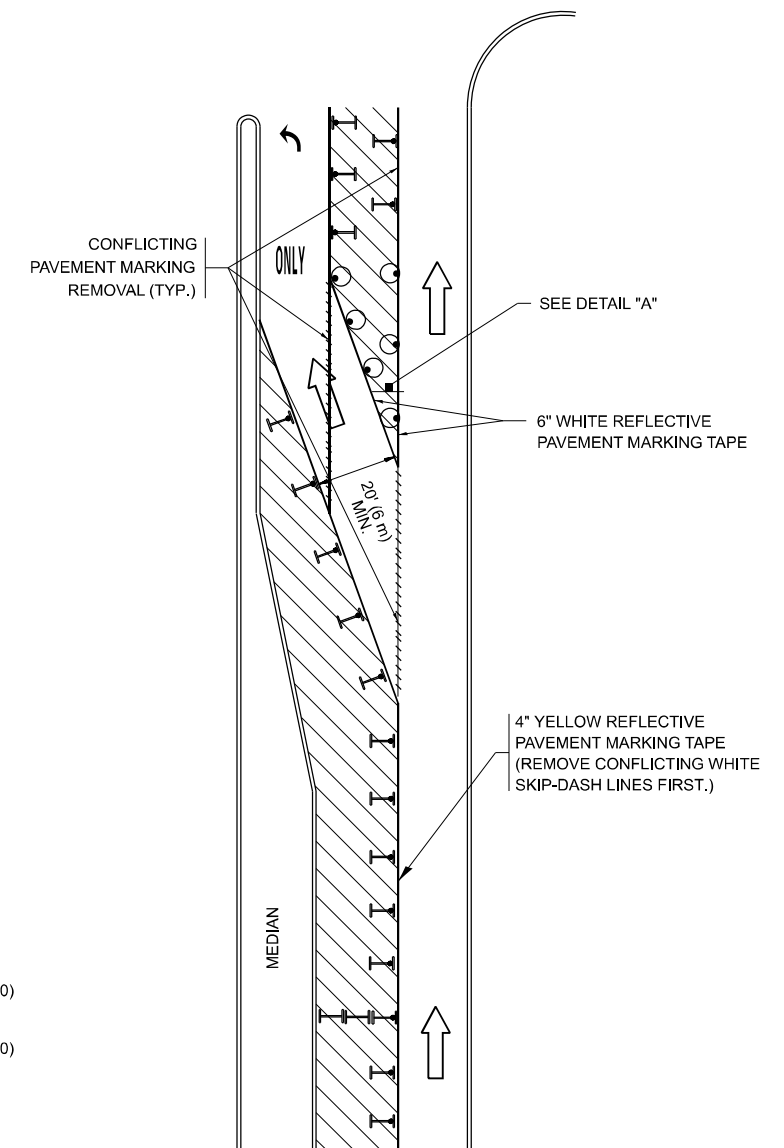
**FIGURE 1**



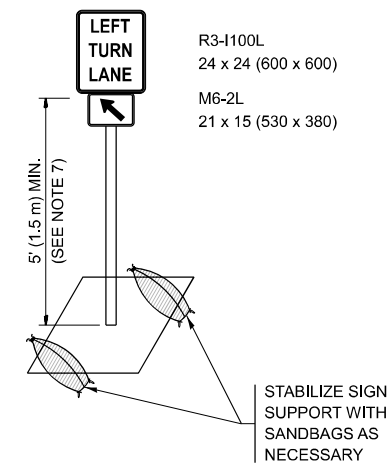
### NOTES:

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" R3-100R 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.

# TURN BAY ENTRANCE WITHIN A LANE CLOSURE



**FIGURE 2**



**DETAIL A**

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

MODEL: TC-14 (Sheet)  
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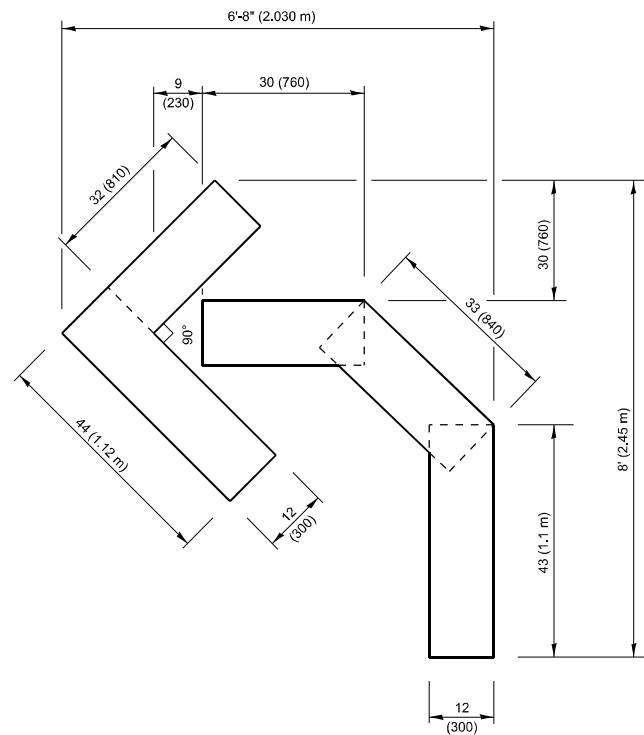
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	DRAWN - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13
	CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16
PLOT DATE = 3/19/2026	DATE - T. RAMMACHER 01-06-00	REVISED -

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DEPARTMENT OF TRANSPORTATION**

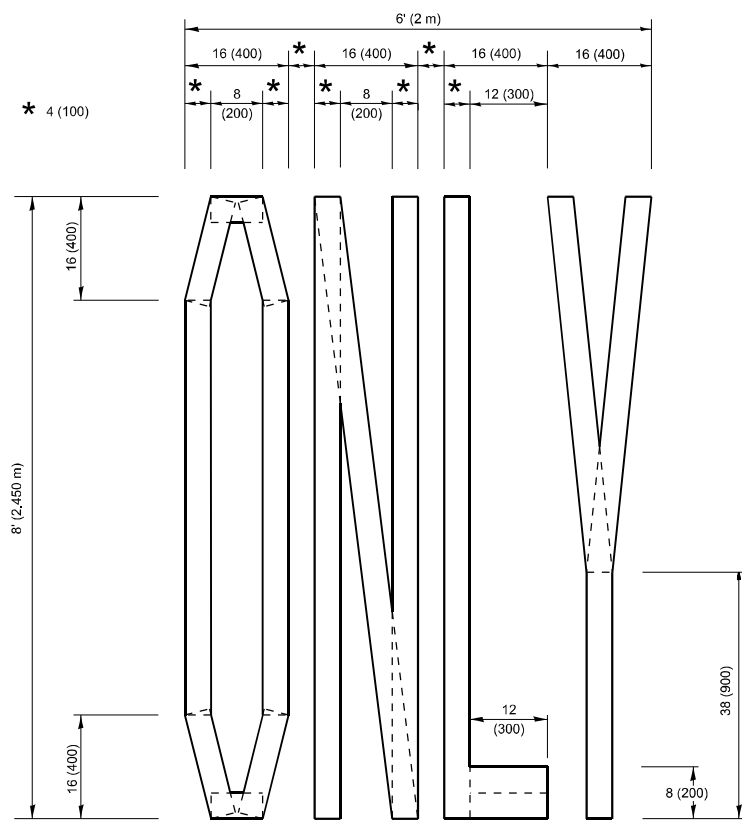
**TRAFFIC CONTROL AND PROTECTION AT TURN BAYS  
(TO REMAIN OPEN TO TRAFFIC)**

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

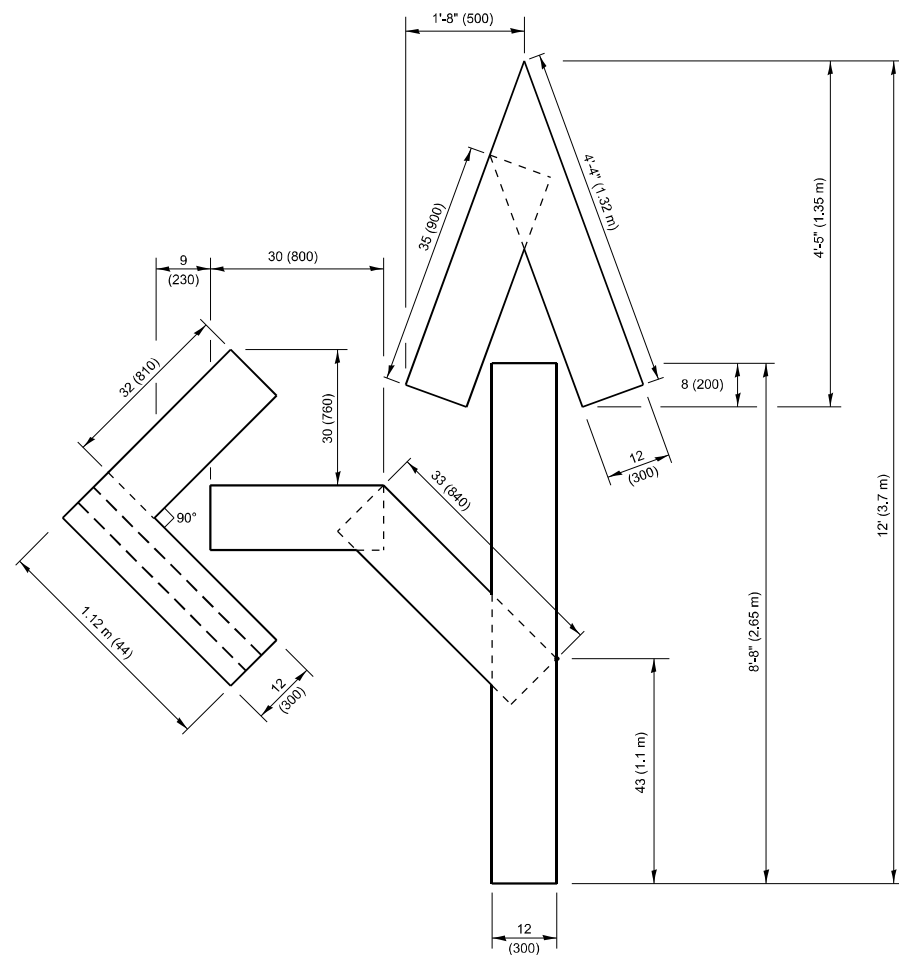
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2025-2002-RS	KANE	31	26
<b>TC-14</b>			CONTRACT NO. 80B23	
ILLINOIS FED. AID PROJECT				



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



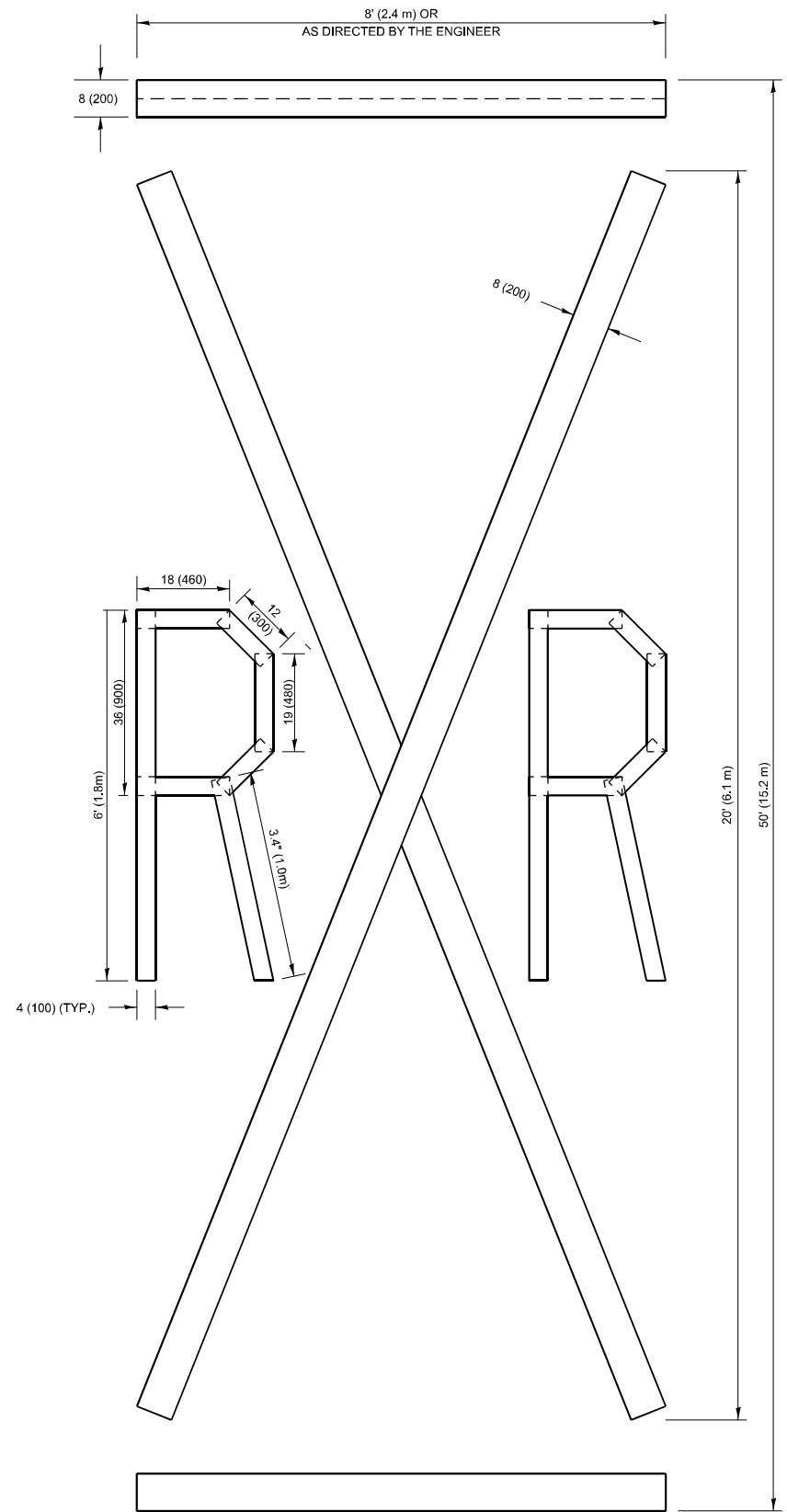
**QUANTITY**  
 4 (100) LINE = 64.1 ft. (19.5 m)  
 21.4 sq. ft. (1.99 sq. m)



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

**NOTE:**

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



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

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

MODEL: TC-16 (Sheet)  
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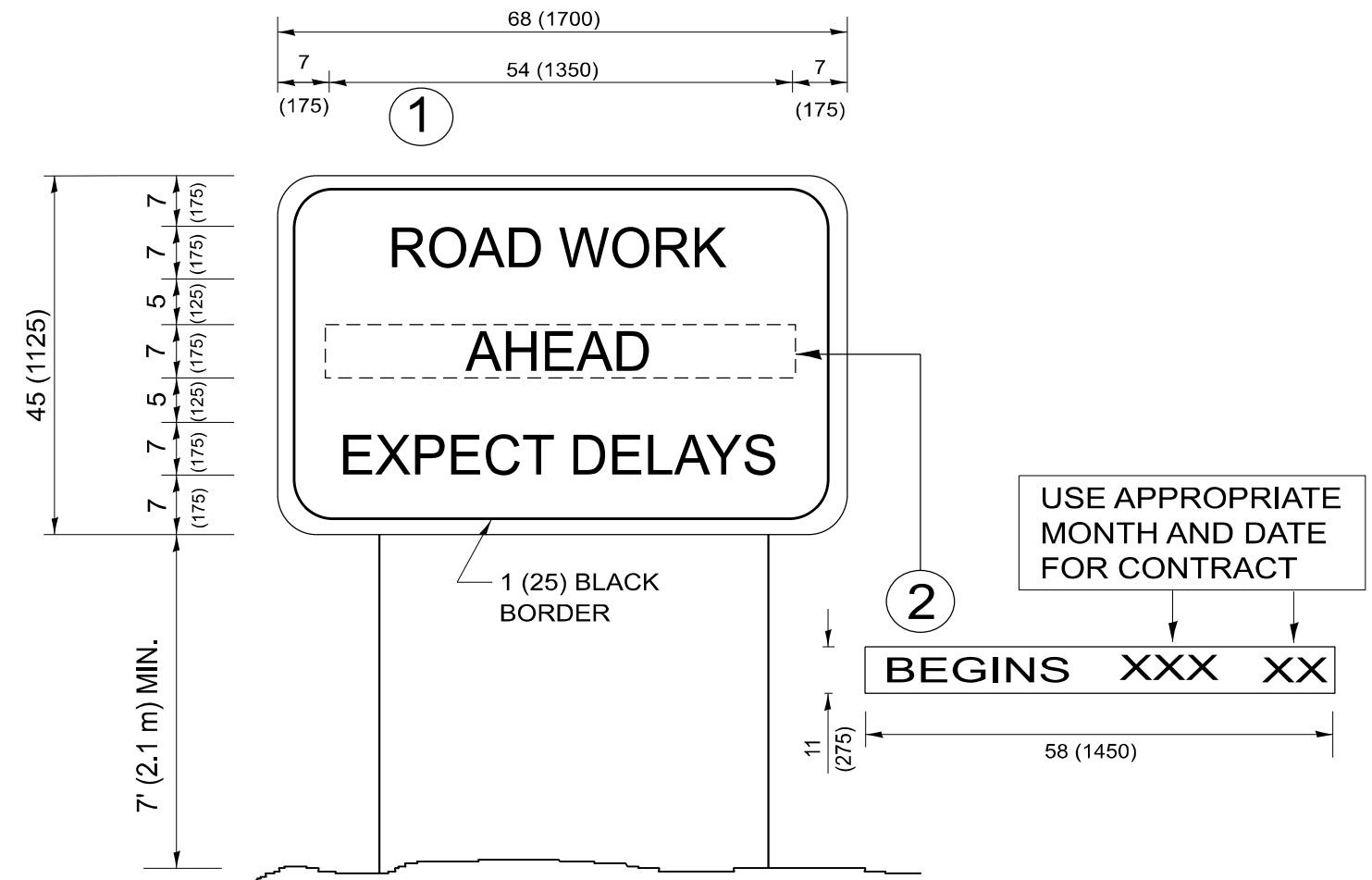
USER NAME = Alan.Parayno	DESIGNED -	REVISED - T. RAMMACHER 03-02-98
	DRAWN -	REVISED - E. GOMEZ 08-28-00
	CHECKED -	REVISED - E. GOMEZ 08-28-00
PLOT DATE = 3/19/2026	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

**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.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2025-2002-RS	KANE	31	27
<b>TC-16</b>		CONTRACT NO. 80B23		
ILLINOIS FED. AID PROJECT				



**NOTES:**

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

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

MODEL: TC-22 (Sheet)  
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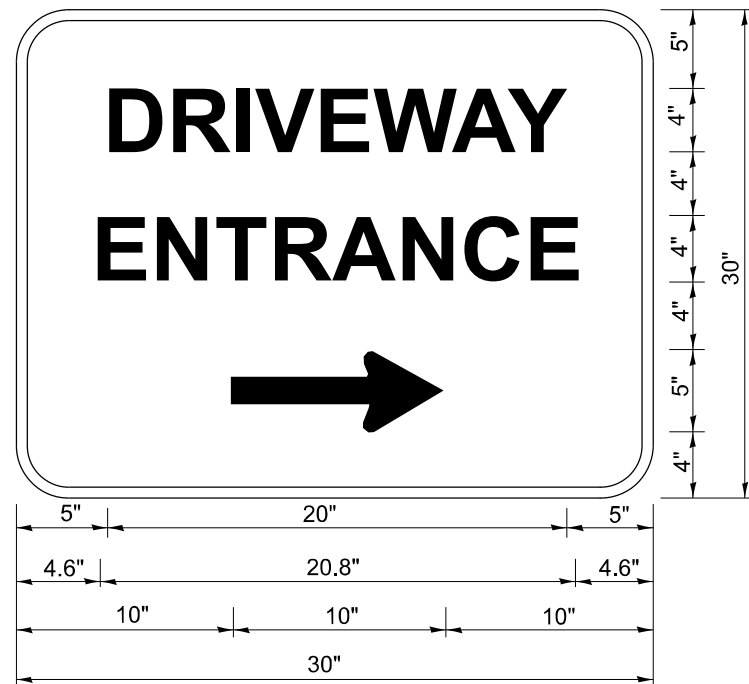
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	DRAWN -	REVISED - R. MIRS 12-11-97
	CHECKED -	REVISED - T. RAMMACHER 02-02-99
PLOT DATE = 3/19/2026	DATE -	REVISED - C. JUCIUS 01-31-07

**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.
341	2025-2002-RS	KANE	31	28
<b>TC-22</b>			CONTRACT NO. 80B23	
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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	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/19/2026	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**DRIVEWAY ENTRANCE SIGNING**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2025-2002-RS	KANE	31	29
<b>TC-26</b>			CONTRACT NO. 80B23	
ILLINOIS FED. AID PROJECT				

# TRAFFIC SIGNAL LEGEND

ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED
TRAFFIC SIGNAL CABINET			HANDHOLE -SQUARE -ROUND	 	 	SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD -(EV) ELONGATED VISORS	  	  
UNINTERRUPTIBLE POWER SUPPLY			DOUBLE HANDHOLE			SIGNAL HEAD WITH BACKPLATE -(RB) RETROREFLECTIVE BACKPLATE -(P) PROGRAMMABLE SIGNAL HEAD -(EV) ELONGATED VISORS	  	  
COMMUNICATION CABINET			HEAVY DUTY HANDHOLE -SQUARE -ROUND	 	 	PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER		
MASTER CONTROLLER			JUNCTION BOX			ILLUMINATED LED SIGN "NO LEFT TURN"/"NO RIGHT TURN"	 	 
MASTER MASTER CONTROLLER			RAILROAD CROSSING GATE			ELECTRIC CABLE, SIGNAL, NO. 14 - 2/C, 3/C, 5/C, 7/C		
SERVICE INSTALLATION -(P) POLE MOUNTED			RAILROAD CROSSBUCK			ELECTRIC CABLE, LEAD-IN, NO. 14, 1 PAIR		
SERVICE INSTALLATION -(G) GROUND MOUNTED -(GM) GROUND MOUNTED METERED	 	 	RAILROAD CONTROLLER BUNGALOW			SERVICE CABLE, 2/C - NO. 2, NO. 4, NO. 6	  	  
CELLULAR MODEM			UNDERGROUND CONDUIT (UC), GALVANIZED STEEL			GROUND CABLE NO. 6 SOLID COPPER (GREEN), 1/C		
TELEPHONE CONNECTION			TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE			ELECTRIC CABLE, TRACER, NO. 14, 1/C		
STEEL MAST ARM ASSEMBLY AND POLE			SYSTEM ITEM	S	SP	ELECTRIC CABLE, RAILROAD, NO. 14, 3/C		
ALUMINUM MAST ARM ASSEMBLY AND POLE			INTERSECTION ITEM	I	IP	ELECTRIC CABLE, STREET NAME SIGN NO. 14, 3/C, TYPE SOOW		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE			REMOVAL ITEM		R	VENDOR CABLE		
SIGNAL POST -(BM) BARREL MOUNTED - TEMPORARY			RELOCATE ITEM		RL	EMERGENCY VEHICLE PRIORITY LINE SENSOR CABLE, NO. 20, 3/C		
WOOD POLE			ABANDON ITEM		A	OUTDOOR RATED NETWORK CABLE		
GUY WIRE			CONTROLLER CABINET AND FOUNDATION TO BE REMOVED		RCF	FIBER OPTIC CABLE -12F: 12 MULTIMODE -24F: 12 MULTIMODE / 12 SINGLE MODE -36F: 12 MULTIMODE / 24 SINGLE MODE -24SM: 24 SINGLE MODE -48SM: 48 SINGLE MODE	    	    
SIGNAL HEAD			MAST ARM POLE AND FOUNDATION TO BE REMOVED		RMF	GROUND ROD -(C) CONTROLLER -(M) MAST ARM -(P) POST -(S) SERVICE	   	   
SIGNAL HEAD WITH BACKPLATE			SIGNAL POST AND FOUNDATION TO BE REMOVED		RPF			
SIGNAL HEAD - PROGRAMMABLE			DETECTOR LOOP, TYPE I					
FLASHER INSTALLATION -(FS) SOLAR POWERED	 	 	PREFORMED DETECTOR LOOP					
PEDESTRIAN SIGNAL HEAD			WIRELESS DETECTOR SENSOR					
PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON								
RADAR DETECTION SENSOR								
VIDEO DETECTION CAMERA								
RADAR/VIDEO DETECTION ZONE								
PAN, TILT, ZOOM (PTZ) CAMERA								
EMERGENCY VEHICLE LIGHT DETECTOR								
CONFIRMATION BEACON								
WIRELESS INTERCONNECT								
WIRELESS INTERCONNECT RADIO REPEATER								
WIRELESS ACCESS POINT								

MODEL: TS-1A (Sheet)  
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	DRAWN - IP	REVISED -
	CHECKED - NB/KK	REVISED -
PLOT DATE = 3/19/2026	DATE - 10/15/2025	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

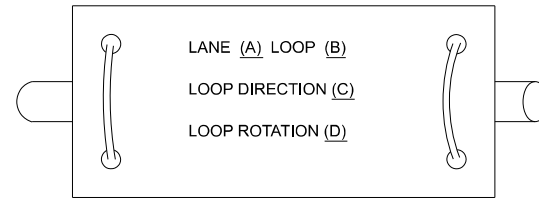
**DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE    SHEET 1 OF 7 SHEETS    STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2025-2002-RS	KANE	31	30
<b>TS-01</b>		CONTRACT NO. 80B23		
ILLINOIS FED. AID PROJECT				

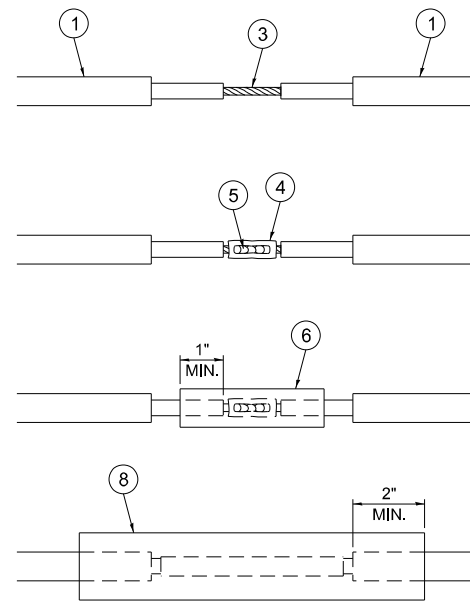
**DETECTOR LOOP NOTES:**

1. LOOPS SHALL BE SPLICED IN SERIES.
2. SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" AT A DEPTH OF 3". IF IN CONCRETE, THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
3. LOOP CORNERS SHALL BE DRILLED WITH A 2" DIAMETER CORE.
4. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NON-METALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE, SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6". EMPTY COILABLE NON-METALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE DETECTOR LOOP PAY ITEM.
5. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.
6. EACH LEAD-IN CABLE SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP NUMBER, LOOP DIRECTION (IN OR OUT), AND LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE) IN WATER PROOF INK. SEE DETECTOR LOOP LEAD-IN CABLE TAG DETAIL. THE CONTRACTOR SHALL MARK THE LOOP LOCATIONS ON THE RECORD DRAWINGS AND PRESENT THEM TO THE ENGINEER AFTER THE FINAL INSPECTION.
7. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
8. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND THE DIVE HOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" APART.
9. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS.
10. PREFORMED DETECTOR LOOPS SHALL BE USED WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.



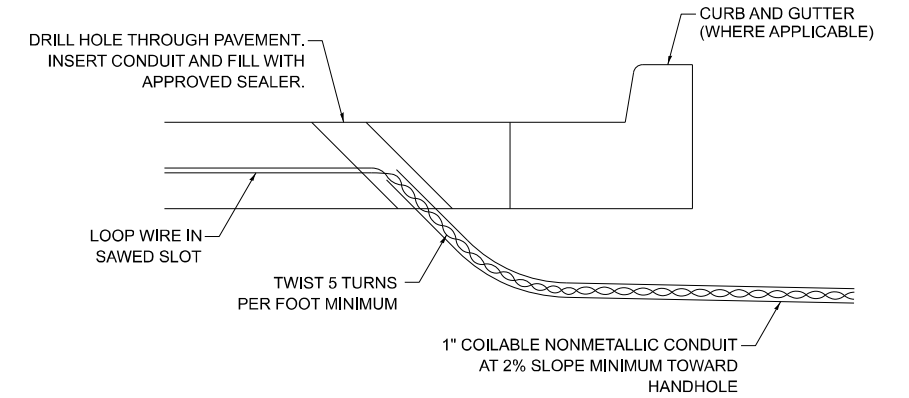
- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY.
- B. LOOP #1 IS THE LOOP CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

**DETECTOR LOOP LEAD-IN CABLE TAG**

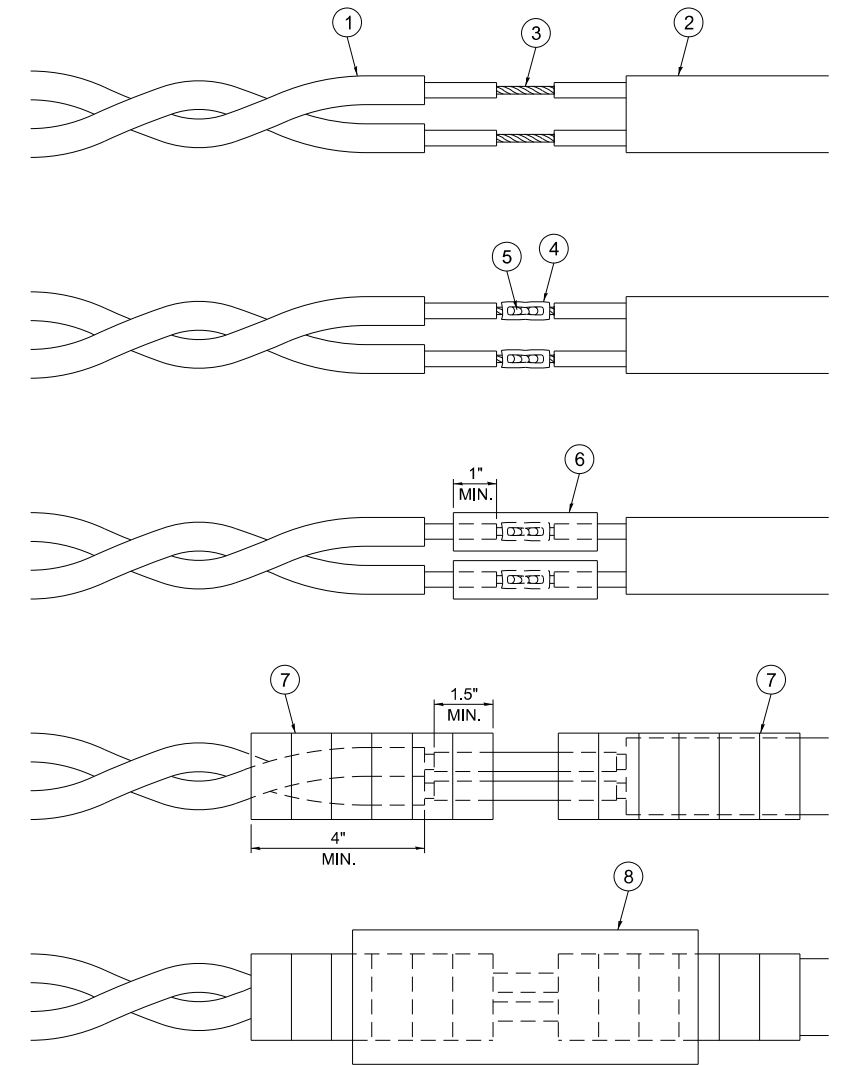


**LOOP-TO-LOOP SPLICE DETAIL**

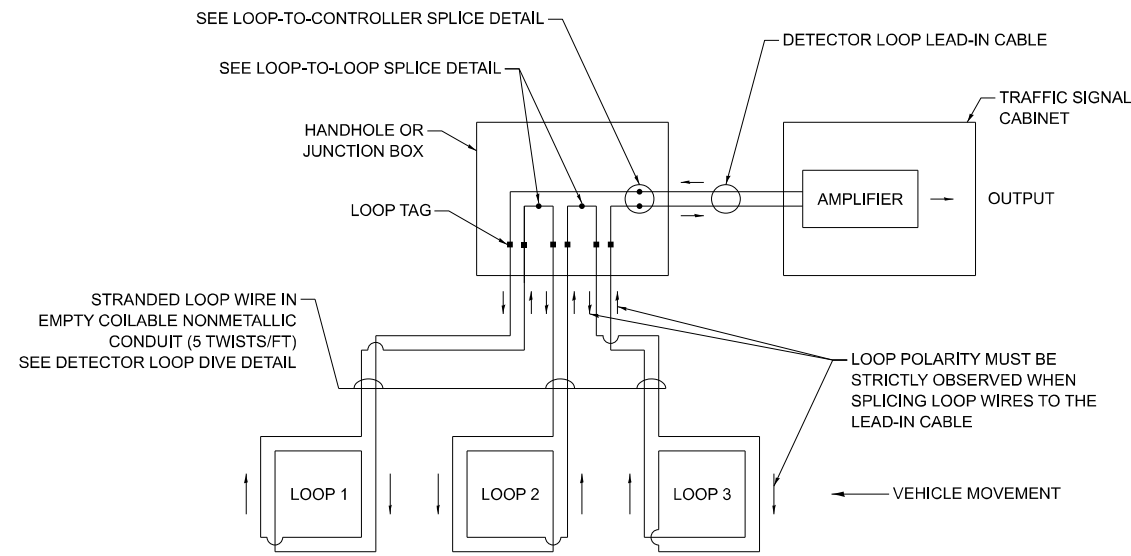
- ① DETECTOR LOOP CABLE.
- ② DETECTOR LOOP LEAD-IN CABLE
- ③ BARE CONDUCTORS TWISTED TOGETHER.
- ④ BUTT SPLICE CRIMP CONNECTOR.
- ⑤ SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE SPLICES SHALL BE STAGGERED.
- ⑥ WCSMW 30/100 HEAT SHRINK TUBE, 3" MINIMUM LENGTH, UNDERWATER GRADE.
- ⑦ SELF-INFUSED, SILICONE ELECTRICAL TAPE TIGHTLY WRAPPED AROUND CABLES.
- ⑧ WCS 200/750 HEAT SHRINK TUBE, 8" MINIMUM LENGTH, UNDERWATER GRADE.



**DETECTOR LOOP DIVE DETAIL**



**LOOP-TO-CONTROLLER SPLICE DETAIL**



**DETECTOR LOOP WIRING SCHEMATIC**

MODEL: TS-1B (Sheet)  
FILE NAME: c:\p\work\wv\wv\parayno\113123\0118625-shr\DistSigs.dgn

USER NAME = Alan.Parayno	DESIGNED - IP	REVISED -
	DRAWN - IP	REVISED -
	CHECKED - NB/KK	REVISED -
PLOT DATE = 3/19/2026	DATE - 10/15/2025	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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

F.A.P. RTE. 341	SECTION 2025-2002-RS	COUNTY KANE	TOTAL SHEETS 31	SHEET NO. 31
TS-01		CONTRACT NO. 80B23		
ILLINOIS FED. AID PROJECT				