

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	2025-2046-RS	COOK	34	1
		ILLINOIS	CONTRACT NO. 80B87	

D-91-052-26



LOCATION OF SECTION INDICATED THUS: -

PROPOSED HIGHWAY PLANS

- 1) FAP ROUTE 305: PALATINE ROAD NORTH FRONTAGE ROAD
KENNICOTT ROAD TO US 45 (MILWAUKEE AVENUE)
- 2) FAP ROUTE 305: PALATINE ROAD SOUTH FRONTAGE ROAD
PINECREST DR. TO US 45 (MILWAUKEE AVENUE)

SECTION: 2025-2046-RS

ADA IMPROVEMENTS, STANDARD OVERLAY
COOK COUNTY

C-91-066-26
R 11 E

FOR INDEX OF SHEETS, SEE SHEET NO. 2

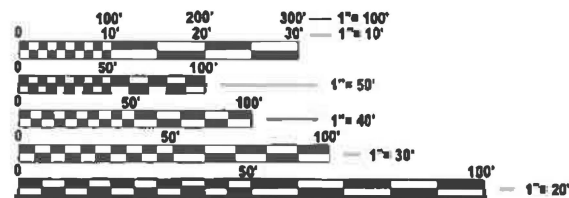
THE IMPROVEMENT IS LOCATED IN
THE VILLAGES OF WHEELING AND
ARLINGTON HEIGHTS AND THE
CITY OF PROSPECT HEIGHTS.

TRAFFIC DATA
2022 ADT = 3350
POSTED SPEED = 40 MPH

OMISSIONS
STA. 548+51 TO STA. 581+35
STA. 674+21 TO STA. 680+82
STA. 735+38 TO STA. 737+69

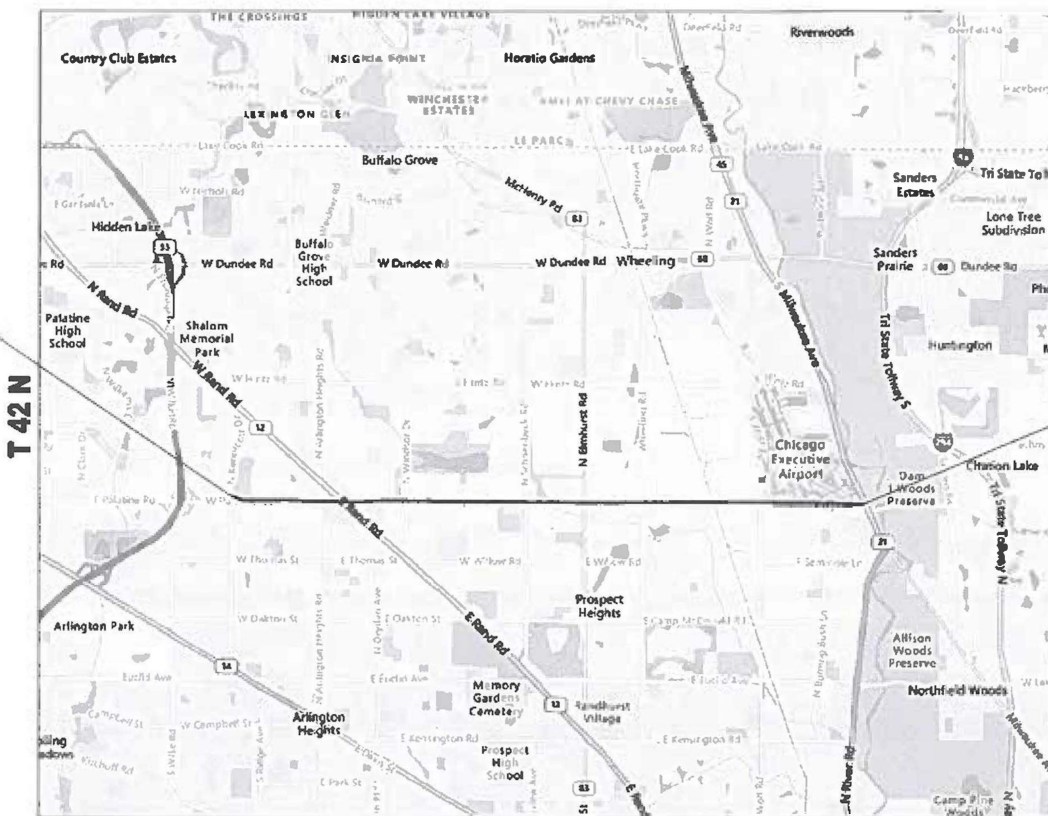
PROJECT ENDS
STA. 519+98

PROJECT BEGINS
STA. 803+53



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



WHEELING TOWNSHIP

GROSS LENGTH = 28,355 FT. = 5.37 MILE
NET LENGTH = 24,179 FT. = 4.58 MILE

PROJECT ENGINEER: RODRIGO LEDEZMA (847) 705-4580
PROJECT MANAGER : J. ALAIN MIDY (847) 221-3056

CONTRACT NO. 80B87

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED March 23rd 2026
[Signature] IR
REGIONAL ENGINEER

May 8 2026
[Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

May 8 2026
[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

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5-6	EXISTING AND PROPOSED TYPICAL SECTIONS
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18-20	DETECTOR LOOPS PLAN
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23	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT (BD-24)
24	BUTT JOINT AND HMA TAPER DETAILS (BD-32)
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000001-09	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
442201-04	CLASS C AND D PATCHES
604001-05	FRAMES AND LIDS, TYPE 1
606001-09	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' TO 2' FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS ≤ 40 MPH
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W 2W WITH NONTRAVERSABLE MEDIAN
701606-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-11	TRAFFIC CONTROL DEVICES
886001-01	DETECTOR LOOP INSTALLATIONS

1. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES, (48 HOURS NOTIFICATION IS REQUIRED).
2. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE VILLAGES OF ARLINGTON HEIGHTS & WHEELING & THE CITY OF PROSPECT HEIGHTS.
3. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT THE WRITTEN PERMISSION FROM THE DEPARTMENT.
4. BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING). EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.
5. BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ASLL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) ACCORDING TO THE "BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS" SHEET INCLUDING IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
6. THE RESIDENT ENGINEER SHALL CONTACT EMAD ALHUSSEIRI AREA TRAFFIC FIELD TECHNICIAN, AT EMAD.ALHUSSEINI@ILLINOIS.GOV, A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINS.
7. FRAMES AND GRATES ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE PROJECTS LIMITS SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.
8. THE CONTRACTOR SHALL CONTACT KALPANA KANNAN-HOSADURGA, THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM 72 HOURS IN ADVANCE OF BEGINNING WORK.
9. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION. THIS SHALL INCLUDE LOCATING THE MAST ARM AND FOUNDATIONS AND VERIFYING THE MAST ARM LENGHTS.
10. THE RESIDENT ENGINEER SHALL CONTACT FADI SULTAN AREA TRAFFIC FIELD TECHNICIAN, AT FADI.SULTAN@ILLINOIS.GOV, A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
11. ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FILED BY THE ENGINEER.
12. ALL MILLED SURFACES SHALL BE A UNIFORM CROSS SLOPE PER LANE AND FREE OF RIDGES BETWEEN PASSES. ANY DEVIATION SHALL BE CORECTED AT NO COST TO THE DEPARTMENT.
13. LOCATION OF COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT, WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
14. 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.
15. THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS AT ALL TIMES DURING CONSTRUCTION.
16. PAVEMENT MARKING TAPE, TYPE IV SHALL BE USED FOR SHORT TERM PAVEMENT MARKING ON FINAL SURFACES.
17. THE (ROAD CONSTRUCTION AHEAD) SIGNS SHALL REMAIN INSTALLED UNTIL THE COMPLETION OF THE PROJECT OR WHEN NO ROADWAY HAZARD REMAIN WITHIN THE WORKZONE.
18. 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.
19. DRAINAGE ADJUSTMENT OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
20. WHEN THE MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1 1/2" INCHES WHERE THE SPEED LIMIT IS 40 MPH OR LESS AND 1 INCH WHERE THE SPEED LIMIT IS GREATER THAN 40 MPH. WITH WRITTEN APPROVAL OF THE ENGINEER A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPE A MINIMUM 1:3 (V:H) OR A NOTCHED LONGITUDINAL WEDGE IS USED.
21. 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.
22. 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 108.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPERATE PAY ITEM HAS BEEN PROVIDED.
23. TEMPORARY PAVEMENT MARKINGS OR SHORT TERM PAVEMENT MARKINGS ON INTERMEDIATE SURFACES SHALL NOT BE REMOVED, UNLESS DIRECTED BY THE ENGINEER.

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		DRAWN -	REVISED -			305	2025-2046-RS	COOK	34	2	
		CHECKED -	REVISED -			CONTRACT NO. 80B87					
	PLOT DATE = 3/26/2026	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
						SCALE:	SHEET 1	OF 1	SHEETS	STA. TO STA.	

SUMMARY OF QUANTITIES				TYPE CODE						
				URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	
				ROADWAY						
Code No.	Item	Unit	Total Quantity	0005						
20200100	EARTH EXCAVATION	CU YD	25	25						
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	1490	1490						
25200110	SODDING, SALT TOLERANT	SQ YD	1490	1490						
25200200	SUPPLEMENTAL WATERING	UNIT	15	15						
35501308	HOT-MIX ASPHALT BASE COURSE, 6"	SQ YD	46	46						
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	64860	64860						
40600370	LONGITUDINAL JOINT SEALANT	FOOT	28000	28000						
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	145	145						
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	961	961						
40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	216	216						
40603200	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	TON	3965	3965						
40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	6	6						
40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	8075	8075						
42001300	PROTECTIVE COAT	SQ YD	50	50						
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	60	60						
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	4070	4070						
42400800	DETECTABLE WARNINGS	SQ FT	200	200						
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	96100	96100						
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	105	105						
44000600	SIDEWALK REMOVAL	SQ FT	4070	4070						
44002209	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 2 1/4"	SQ YD	1712	1712						
44201761	CLASS D PATCHES, TYPE I, 10 INCH	SQ YD	48	48						

SUMMARY OF QUANTITIES				TYPE CODE						
				URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	
				ROADWAY						
Code No.	Item	Unit	Total Quantity	0005						
44201765	CLASS D PATCHES, TYPE II, 10 INCH	SQ YD	800	800						
44201769	CLASS D PATCHES, TYPE III, 10 INCH	SQ YD	550	550						
44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SQ YD	440	440						
60250200	CATCH BASINS TO BE ADJUSTED	EACH	1	1						
60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	7	7						
60255500	MANHOLES TO BE ADJUSTED	EACH	3	3						
60257900	MANHOLES TO BE RECONSTRUCTED	EACH	4	4						
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	120	120						
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	81	81						
60404950	FRAMES AND GRATES, TYPE 24	EACH	10	10						
60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	10	10						
60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	12	12						
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	3110	3110						
x 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	25	25						
x 66900530	SOIL DISPOSAL ANALYSIS	EACH	3	3						
x 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1						
x 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1						
x 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	5	5						
67100100	MOBILIZATION	L SUM	1	1						
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1						
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1						

X = SPECIALTY ITEM

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PLOT DATE = 3/27/2026	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITY
PALATINE ROAD - NORTH FRONTAGE ROAD**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	2025-2046-RS	COOK	34	3
CONTRACT NO. 80B87				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES					TYPE CODE					
					URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
					ROADWAY					
					0005 100% STATE					
Code No.	Item	Unit	Total Quantity	0005						
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1						
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1						
70300100	SHORT TERM PAVEMENT MARKING	FOOT	16000	16000						
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	1350	1350						
70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SQ FT	110	110						
70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	12100	12100						
70300241	TEMPORARY PAVEMENT MARKING - LINE 6"- PAINT	FOOT	600	600						
70300251	TEMPORARY PAVEMENT MARKING - LINE 8"- PAINT	FOOT	300	300						
70300261	TEMPORARY PAVEMENT MARKING - LINE 12"- PAINT	FOOT	250	250						
70300281	TEMPORARY PAVEMENT MARKING - LINE 24"- PAINT	FOOT	500	500						
70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	4000	4000						
x	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	110	110					
x	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	12100	12100					
x	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	600	600					
x	78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	300	300					
x	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	250	250					
x	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	500	500					
x	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	700	700					
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	640	640					
	X0320050	CONSTRUCTION LAYOUT (SPECIAL)	L SUM	1	1					
	X4400501	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT LESS THAN OR EQUAL TO 10 FEET	FOOT	1400	1400					
	X4400503	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT GREATER THAN 10 FEET	FOOT	12070	12070					

SUMMARY OF QUANTITIES					TYPE CODE					
					URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
					ROADWAY					
					0005 100% STATE					
Code No.	Item	Unit	Total Quantity	0005						
X4403800	MEDIAN SURFACE REMOVAL	SQ FT	3110	3110						
X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	2000	2000						
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	22	22						
X6700407	ENGINEER'S FIELD OFFICE, TYPE A (D1)	CAL MO	6	6						
X7010808	TRAFFIC CONTROL AND PROTECTION, STANDARD TC8	EACH	2	2						
X7200061	TEMPORARY INFORMATION SIGNING	SQ FT	103	103						
* X8860105	DETECTOR LOOP REPLACEMENT	FOOT	1435	1435						
Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	201	201						

X = SPECIALTY ITEM

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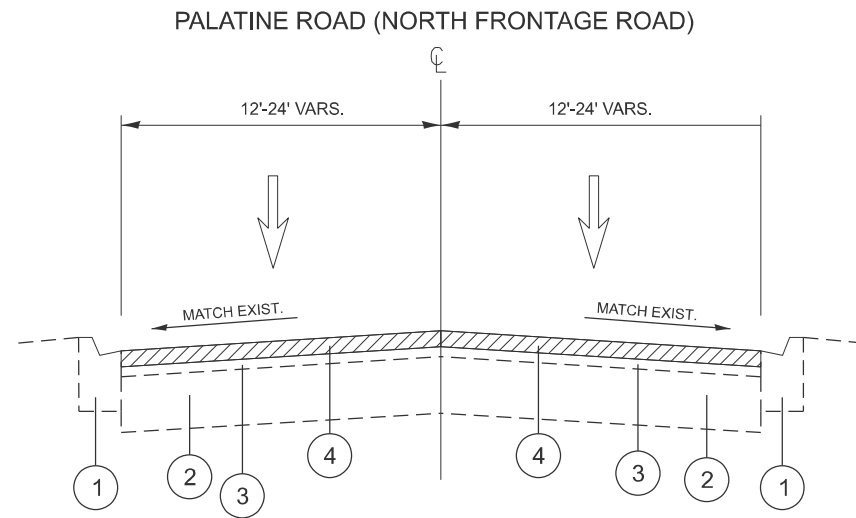
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PLOT DATE = 3/27/2026	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

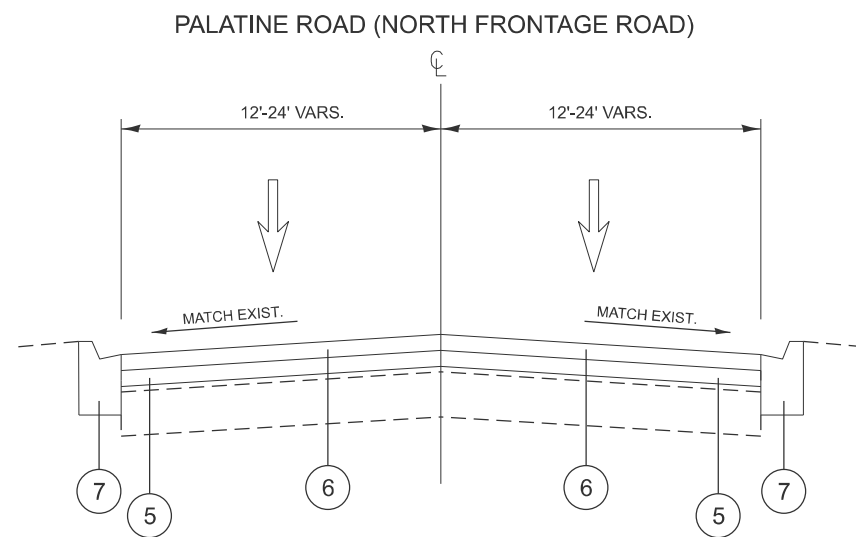
**SUMMARY OF QUANTITY
PALATINE ROAD - NORTH PALATINE ROAD**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	2025-2046-RS	COOK	34	4
CONTRACT NO. 80B87				
ILLINOIS FED. AID PROJECT				



EXISTING TYPICAL SECTION
STA 519+98 - STA 803+53



PROPOSED TYPICAL SECTION
STA 519+98 - STA 803+53

LEGEND

1. EXISTING COMBINATION CONCRETE CURB AND GUTTER
2. EXISTING PCC BASE COURSE, ± 10"
3. EXISTING HOT-MIXED ASPHALT PAVEMENT, ± 2 1/4"
4. PROPOSED HMA SURFACE REMOVAL, 2 1/4"
5. PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL- 4.75, N50; 3/4"
6. PROPOSED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70; 1 1/2"
7. PROPOSED COMBINATION CURB AND GUTTER (LOCATIONS TO BE DETERMINED BY THE RESIDENT ENGINEER)

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		QUALITY MANAGEMENT PROGRAM (QMP)
MIXTURE TYPE	AIR VOIDS(%) @ Ndes	
HMA PAVEMENT		
HMA SURFACE COURSE, IL-9.5, MIX "D", N70; 1 1/2"	4% @ 70 GYR.	QCP
POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 3/4"	3.5% @ 50 GYR.	QCP
HMA DRIVEWAY (PRIVATE)		
HMA SURFACE COURSE, IL-9.5, MIX "D", N50; 2"	4% @ 50 GYR.	QC/QA
HMA BASE COURSE, 6" (HMA BINDER IL-19.0 MM)	4% @ 50 GYR.	QC/QA
PATCHING		
HMA REPLACEMENT OVER PATCHING (HMA BINDER IL-19.0 MM)	4% @ 70 GYR.	QC/QA
CLASS D PATCHES (HMA BINDER IL-19 MM)	4% @ 70 GYR.	QC/QA
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA); QUALITY CONTROL FOR PERFORMANCE (QCP); PAY FOR PERFORMANCE (PFP)		

4% @ 70 GYR.

QC/QA

NOTE

NOTE 1: THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE. QUANTATIES IS 112 LBS/SQ YD/IN.

NOTE 2: THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76 -22" AND AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64 -22" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATIONIS.

NOTE 4: THE CONTRACTOR SHALL PATCHBEFORE MILLING.

NOTE 5: THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE P HMA BC IL-4.75, N50

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PLOT DATE = 3/26/2026	DATE -	REVISED -

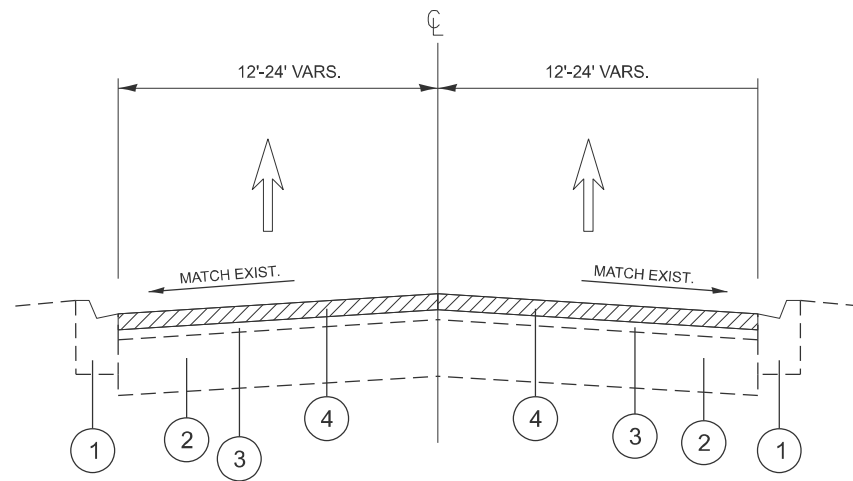
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
PALATINE ROAD (NORTH FRONTAGE ROAD)

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

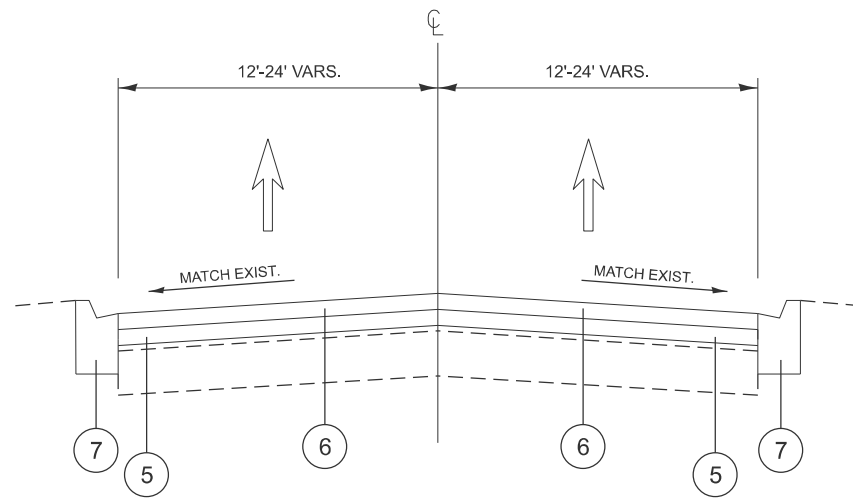
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	2025-2046-RS	COOK	34	5
CONTRACT NO. 80B87				
ILLINOIS FED. AID PROJECT				

PALATINE ROAD (SOUTH FRONTAGE ROAD)



EXISTING TYPICAL SECTION
STA 4001+00 - STA 4039+20

PALATINE ROAD (SOUTH FRONTAGE ROAD)



PROPOSED TYPICAL SECTION
STA 4001+00 - STA 4039+20

LEGEND

1. EXISTING COMBINATION CONCRETE CURB AND GUTTER
2. EXISTING PCC BASE COURSE, ± 10"
3. EXISTING HOT-MIXED ASPHALT PAVEMENT, ± 2 1/4 "
4. PROPOSED HMA SURFACE REMOVAL, 2 1/4"
5. PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL- 4.75, N50; 3/4"
6. PROPOSED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70; 1 1/2"
7. PROPOSED COMBINATION CURB AND GUTTER (LOCATIONS TO BE DETERMINED BY THE RESIDENT ENGINEER)

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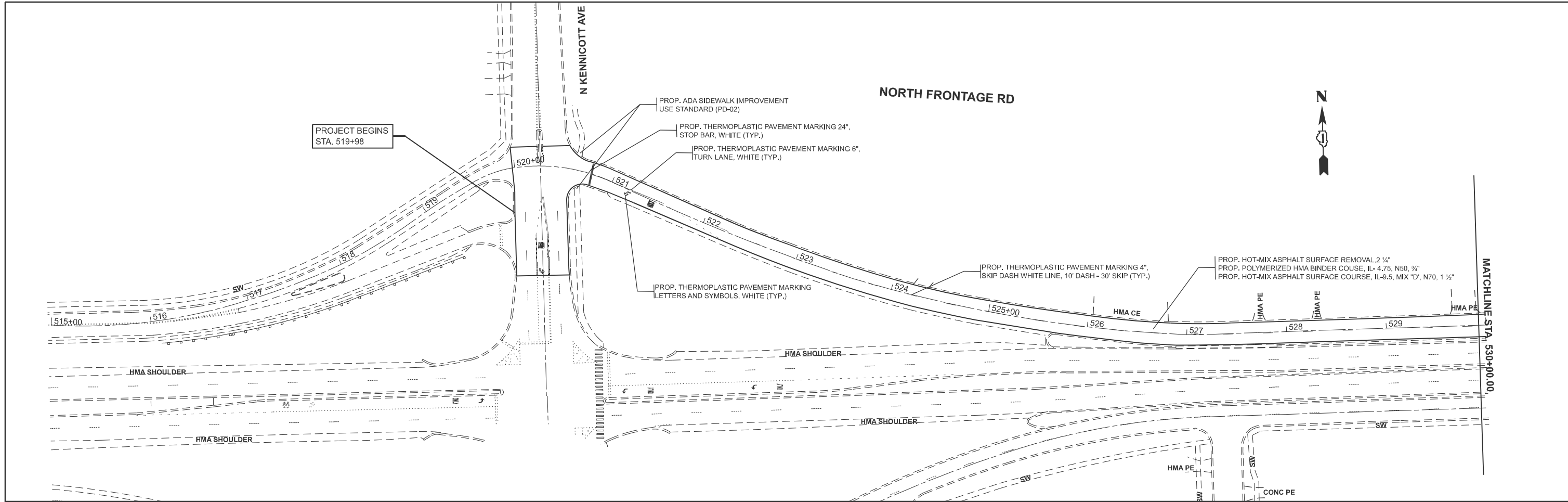
USER NAME = fritz.guillaume	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/26/2026	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

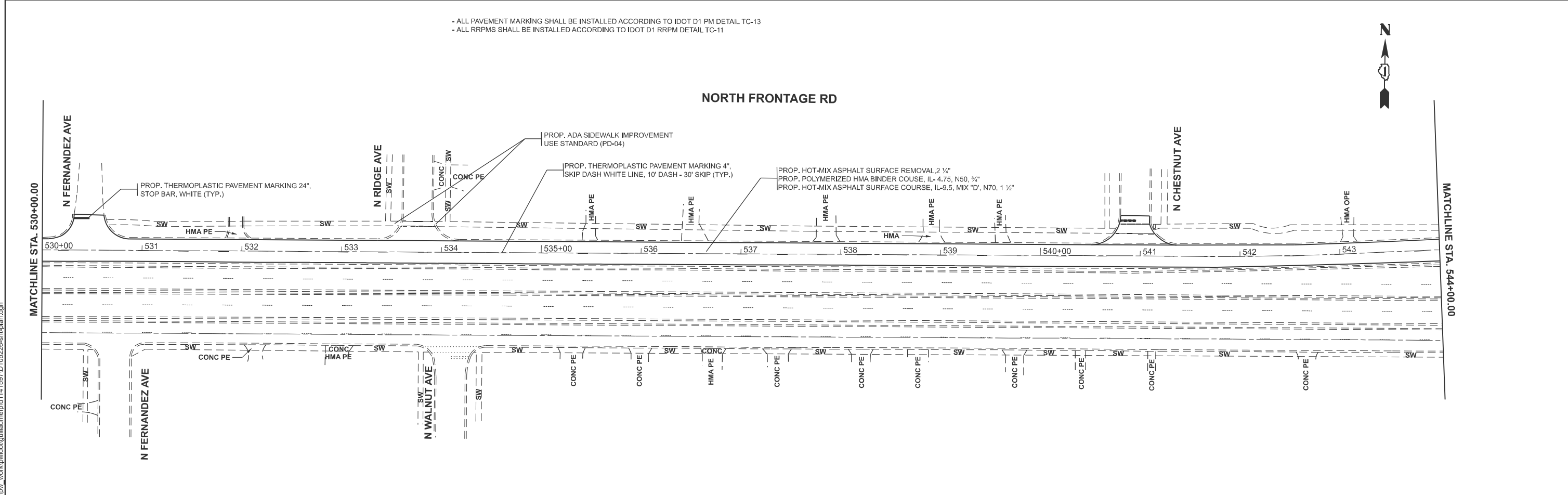
**TYPICAL SECTIONS
PALATINE ROAD (SOUTH FRONTAGE ROAD)**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	2025-2046-RS	COOK	34	6
CONTRACT NO. 80B87				
ILLINOIS FED. AID PROJECT				



- ALL PAVEMENT MARKING SHALL BE INSTALLED ACCORDING TO IDOT D1 PM DETAIL TC-13
 - ALL RRPMS SHALL BE INSTALLED ACCORDING TO IDOT D1 RRP DETAIL TC-11



MODEL: Palatine Frontage PD1 - Plan 1 (Sheet)
 FILE NAME: c:\p\work\palatine\gull\sumef\01141597\105226-shr-plan.dgn

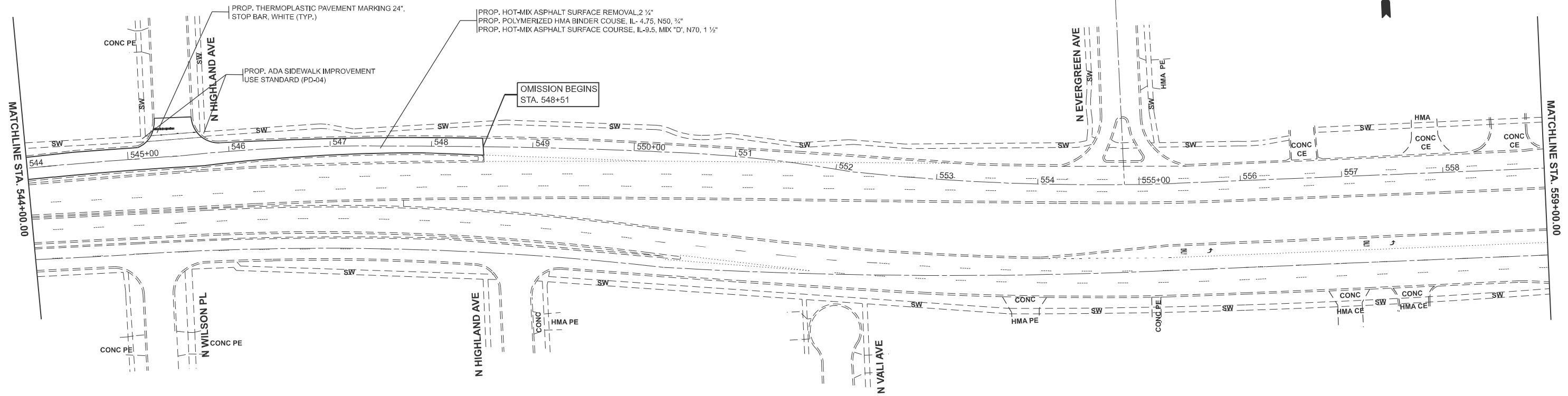
USER NAME = fritz.guillaume	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/26/2026	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SCALE: 1"=50' SHEET 1 OF 11 SHEETS STA. 515+00.00 TO STA. 544+00.00

F.A.P. RTE. 305	SECTION 2025-2046-RS	COUNTY COOK	TOTAL SHEETS 34	SHEET NO. 7
CONTRACT NO. 80B87				
ILLINOIS FED. AID PROJECT				

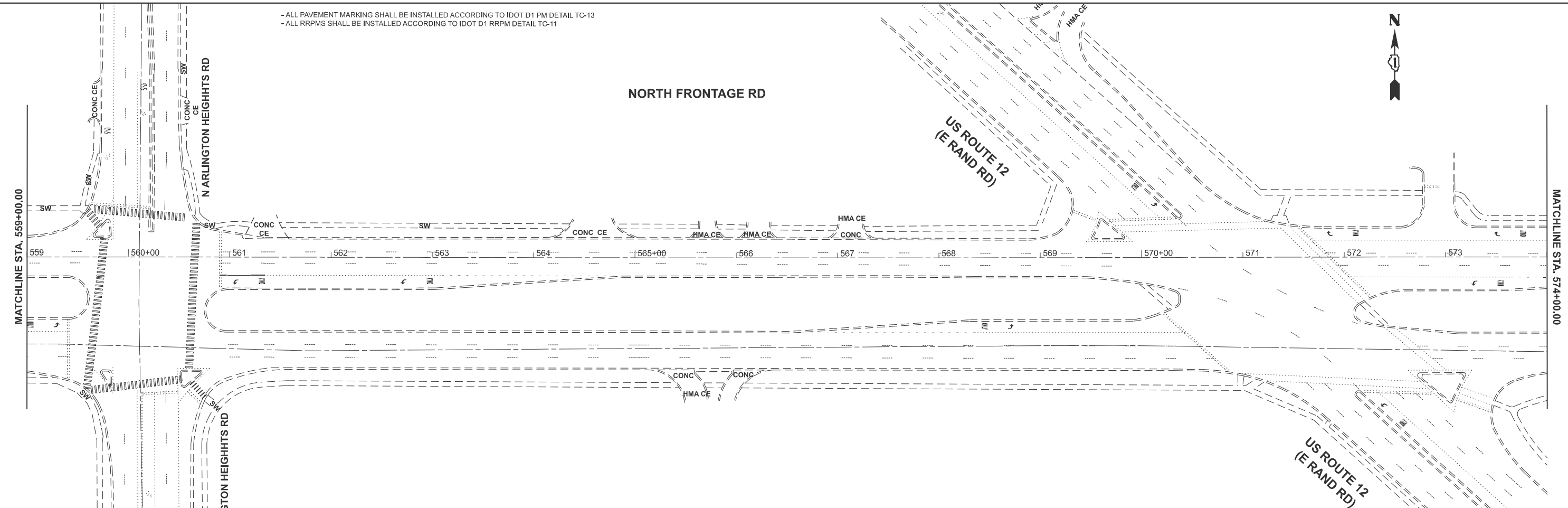
NORTH FRONTAGE RD



OMISSION BEGINS
STA. 548+51

- ALL PAVEMENT MARKING SHALL BE INSTALLED ACCORDING TO IDOT D1 PM DETAIL TC-13
- ALL RRPMS SHALL BE INSTALLED ACCORDING TO IDOT D1 RRRPM DETAIL TC-11

NORTH FRONTAGE RD



MODEL: Palatine Frontage RD1 - Plan 3 (Sheet)
FILE NAME: c:\p\work\palatine\gulllaume\p\1141597\D105226-shr-plan.dgn

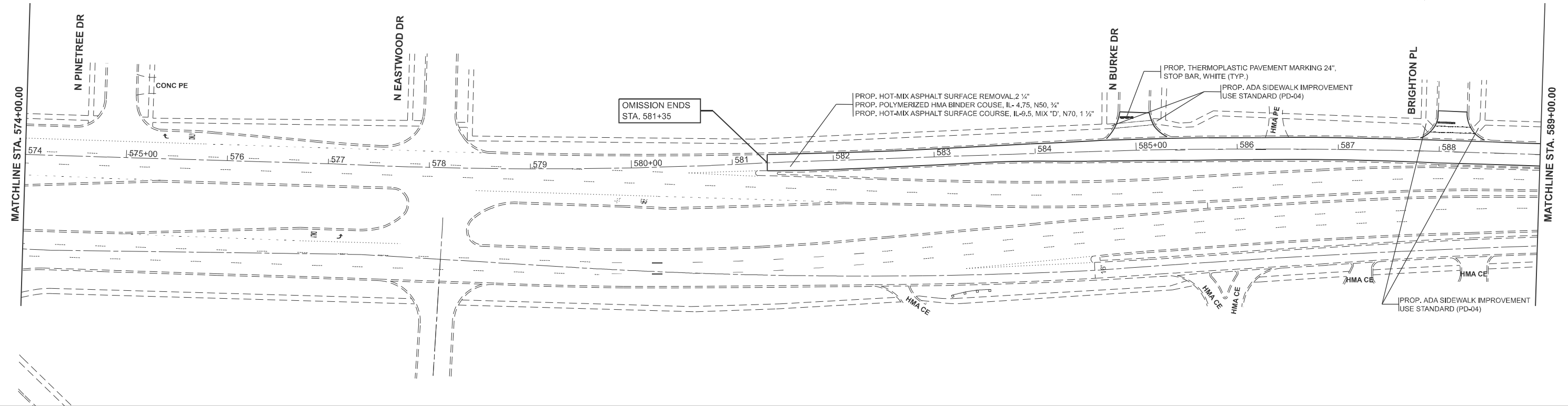
USER NAME = fritz.gulllaume	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/26/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: 1"=50' SHEET 2 OF 11 SHEETS STA. 544+00.00 TO STA. 574+00.00

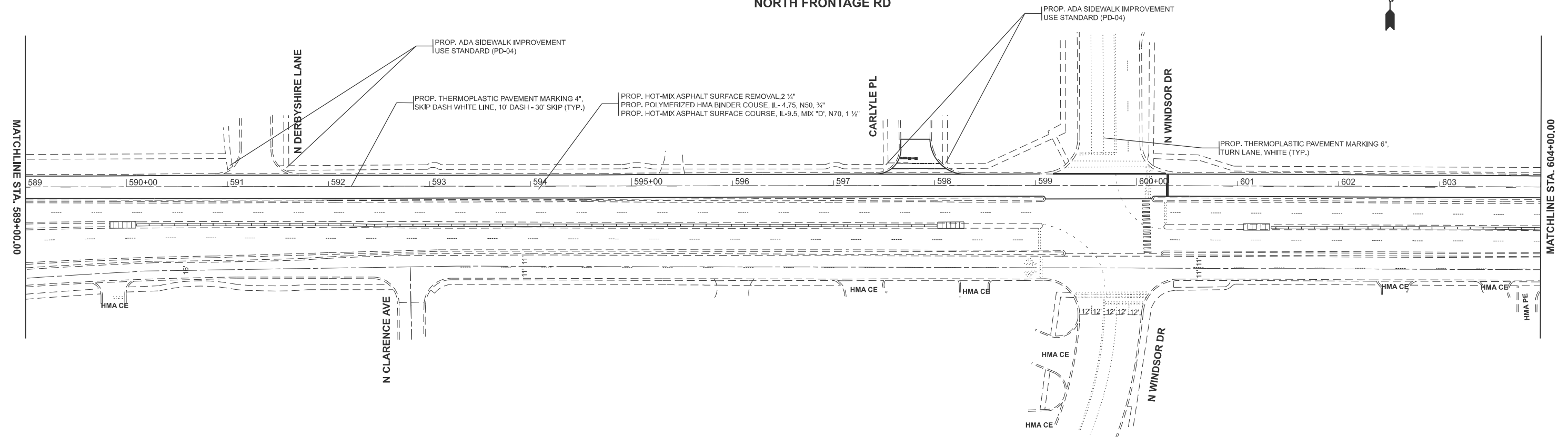
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	2025-2046-RS	COOK	34	8
CONTRACT NO. 80B87				
ILLINOIS FED. AID PROJECT				

NORTH FRONTAGE RD



- ALL PAVEMENT MARKING SHALL BE INSTALLED ACCORDING TO IDOT D1 PM DETAIL TC-13
 - ALL RRPMS SHALL BE INSTALLED ACCORDING TO IDOT D1 RRPDM DETAIL TC-11

NORTH FRONTAGE RD



MODEL: Palatine Frontage PD1 - Plan 5 (Sheet)
 FILE NAME: c:\p\work\palatine\gulllaume\p\1141597\105226-shr-p\plan.dgn

USER NAME = fritz.gulllaume	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/26/2026	DATE -	REVISED -

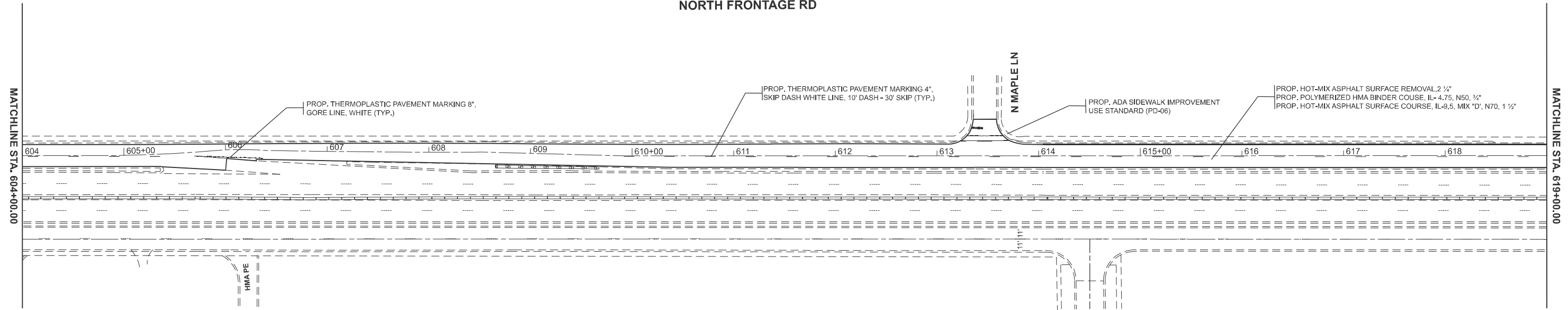
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCALE: 1"=50' SHEET 3 OF 11 SHEETS STA. 574+00.00 TO STA. 604+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	2025-2046-RS	COOK	34	9
CONTRACT NO. 80B87				
ILLINOIS FED. AID PROJECT				



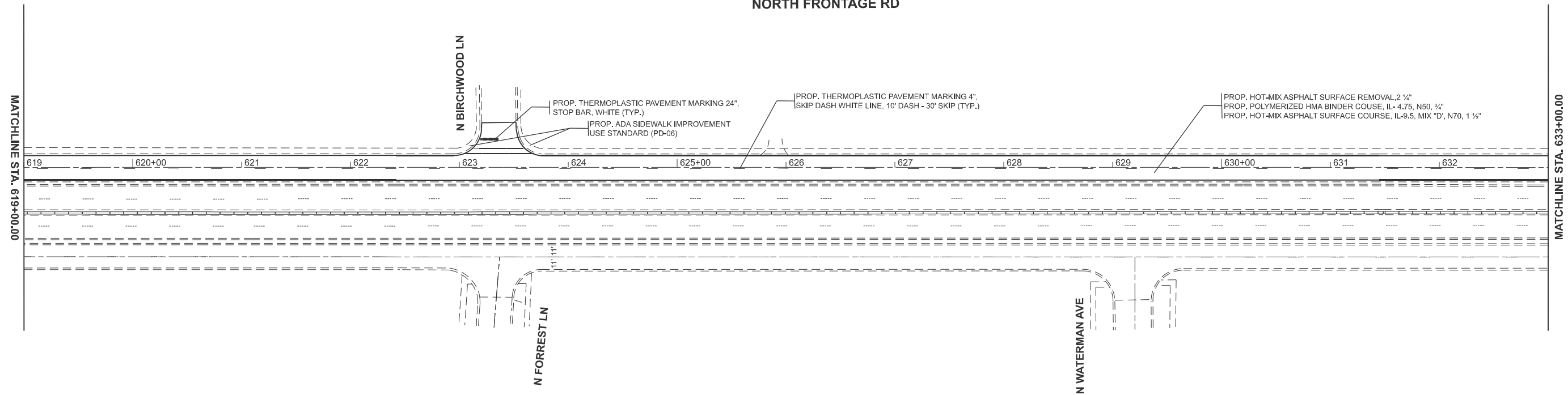
NORTH FRONTAGE RD



- ALL PAVEMENT MARKING SHALL BE INSTALLED ACCORDING TO IDOT D1 PM DETAIL TC-13
 - ALL RRPMS SHALL BE INSTALLED ACCORDING TO IDOT D1 RRP DETAIL TC-11



NORTH FRONTAGE RD



MODEL: Palatine Frontage RD1 - Plan 7 (Sheet)
 FILE NAME: c:\p\work\palatine\gulllaume\p\1141597\105226-shr-plan.dgn

USER NAME = fritz.gulllaume	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/26/2026	DATE -	REVISED -

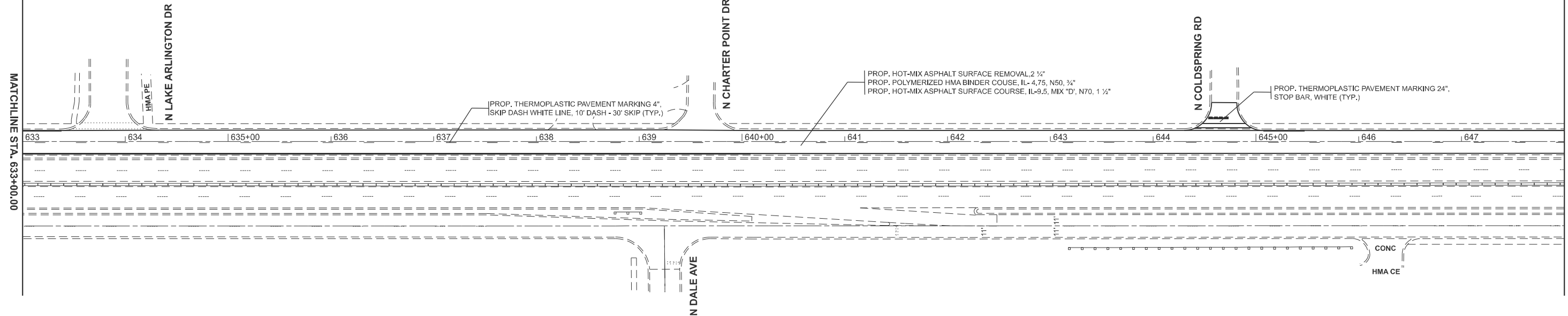
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCALE: 1"=50' SHEET 4 OF 11 SHEETS STA. 604+00.00 TO STA. 633+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	2025-2046-RS	COOK	34	10
CONTRACT NO. 80B87				
ILLINOIS FED. AID PROJECT				



NORTH FRONTAGE RD



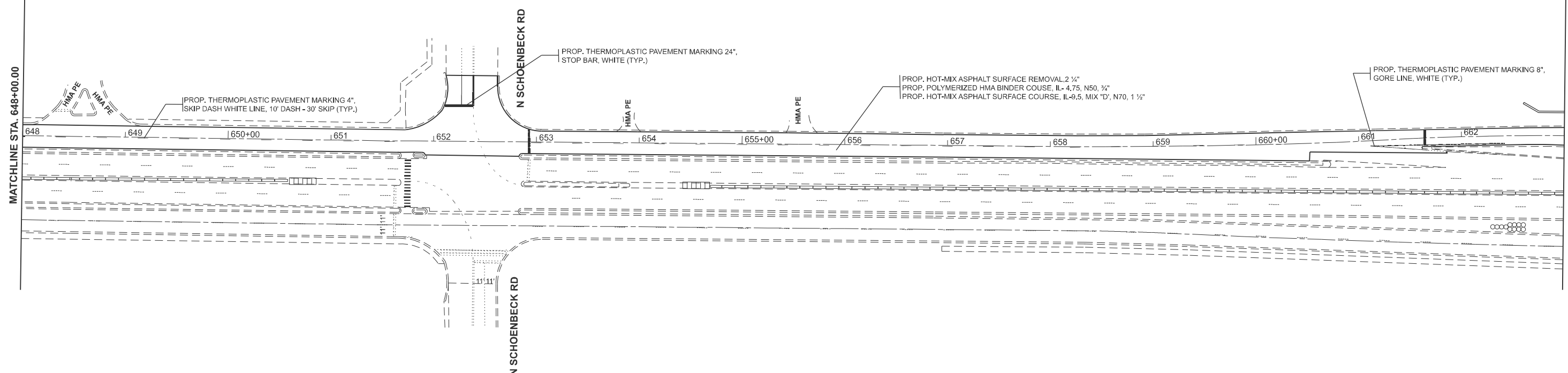
MATCHLINE STA. 633+00.00

MATCHLINE STA. 648+00.00

- ALL PAVEMENT MARKING SHALL BE INSTALLED ACCORDING TO IDOT D1 PM DETAIL TC-13
 - ALL RRPMS SHALL BE INSTALLED ACCORDING TO IDOT D1 RRPDM DETAIL TC-11



NORTH FRONTAGE RD



MATCHLINE STA. 648+00.00

MATCHLINE STA. 663+00.00

MODEL: Palatine Frontage RD1 - Plan 9 (Sheet)
 FILE NAME: c:\p\work\palatine\gulllaume\p\1141597\105226-shr-plan.dgn

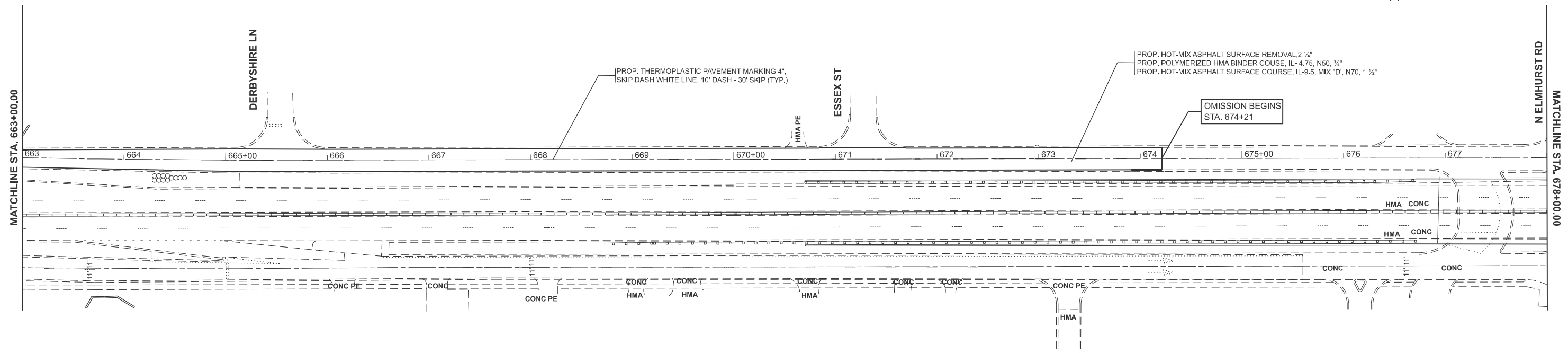
USER NAME = fritz.gulllaume	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/26/2026	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCALE: 1"=50' SHEET 5 OF 11 SHEETS STA. 633+00.00 TO STA. 663+00.00

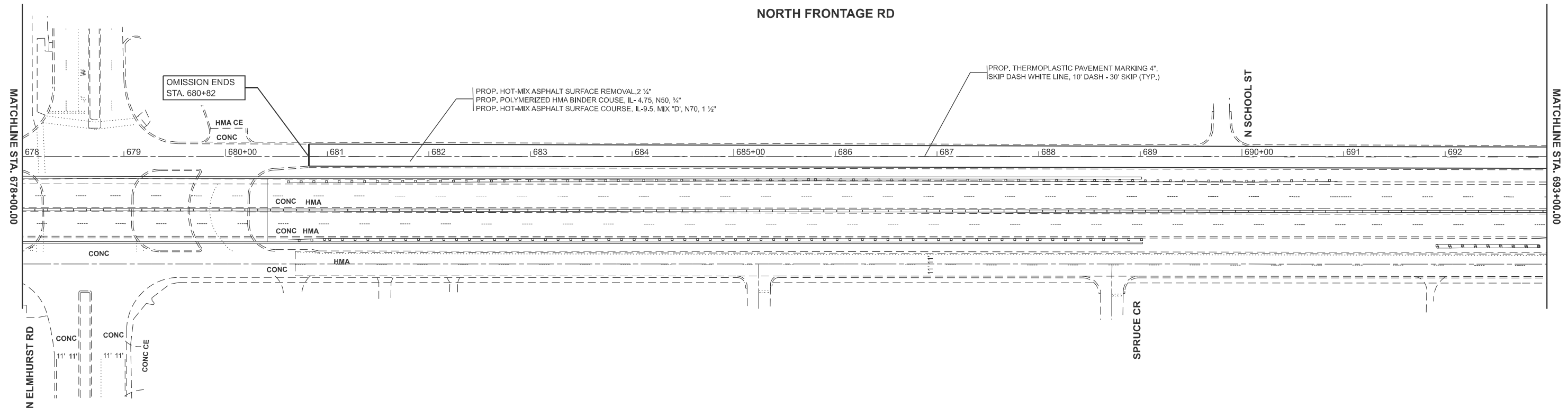
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	2025-2046-RS	COOK	34	11
CONTRACT NO. 80B87			ILLINOIS FED. AID PROJECT	

NORTH FRONTAGE RD



- ALL PAVEMENT MARKING SHALL BE INSTALLED ACCORDING TO IDOT D1 PM DETAIL TC-13
- ALL RRPMS SHALL BE INSTALLED ACCORDING TO IDOT D1 RRPM DETAIL TC-11

NORTH FRONTAGE RD



MODEL: Palatine Frontage RD1 - Plan 11 [Sheet]
FILE NAME: c:\p\work\palatine\gull\sume\p\1141597\105226-shr-plan.dgn

USER NAME = fritz.guillaume	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/26/2026	DATE -	REVISED -

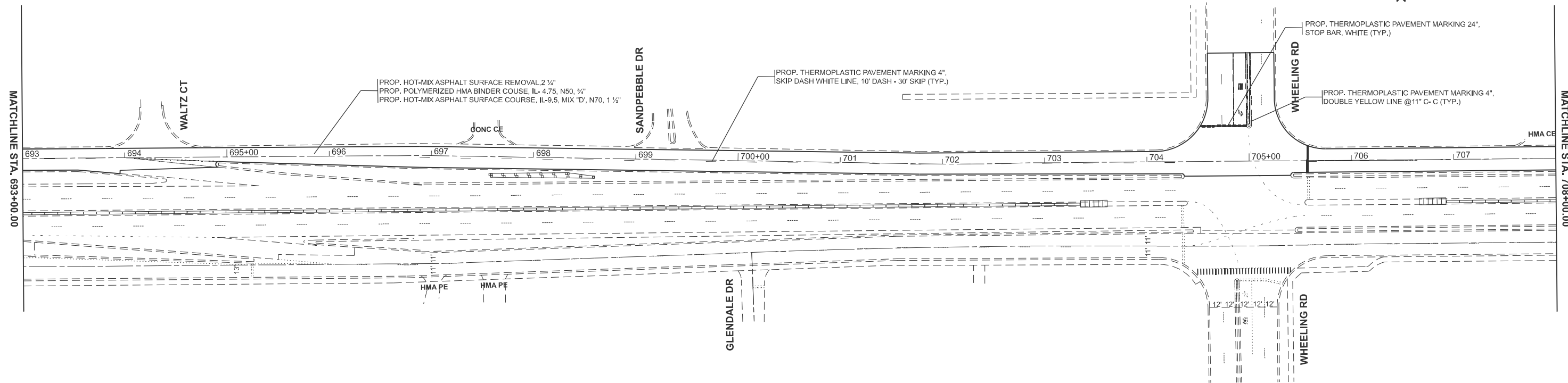
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE: 1"=50' SHEET 6 OF 11 SHEETS STA. 663+00.00 TO STA. 693+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	2025-2046-RS	COOK	34	12
CONTRACT NO. 80B87				
ILLINOIS FED. AID PROJECT				



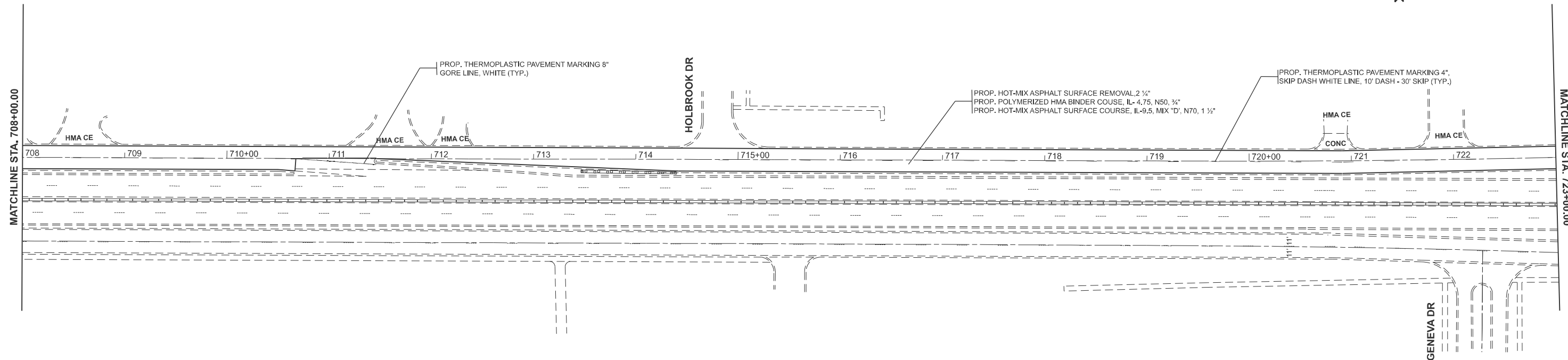
NORTH FRONTAGE RD



- ALL PAVEMENT MARKING SHALL BE INSTALLED ACCORDING TO IDOT D1 PM DETAIL TC-13
 - ALL RRPMS SHALL BE INSTALLED ACCORDING TO IDOT D1 RRP DETAIL TC-11



NORTH FRONTAGE RD



MODEL: Palatine Frontage RD1 - Plan 13 (Sheet)
 FILE NAME: c:\p\work\palatine\gulllaume\p1141597\105226-shr-p1an.dgn

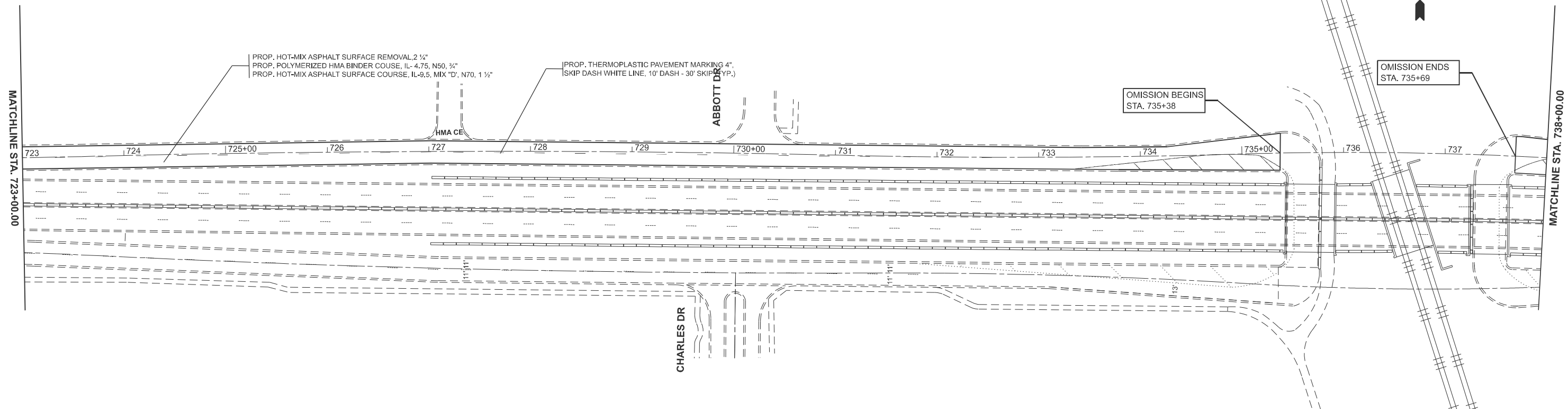
USER NAME = fritz.gulllaume	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/26/2026	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCALE: 1"=50' SHEET 7 OF 11 SHEETS STA. 693+00.00 TO STA. 723+00.00

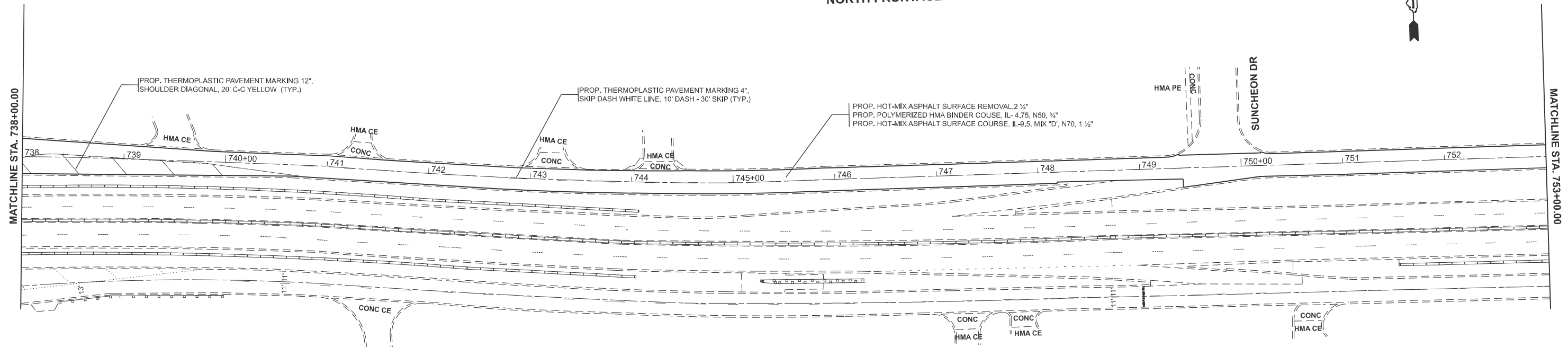
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	2025-2046-RS	COOK	34	13
CONTRACT NO. 80B87				
ILLINOIS FED. AID PROJECT				

NORTH FRONTAGE RD



- ALL PAVEMENT MARKING SHALL BE INSTALLED ACCORDING TO IDOT D1 PM DETAIL TC-13
- ALL RRPMS SHALL BE INSTALLED ACCORDING TO IDOT D1 RRPDM DETAIL TC-11

NORTH FRONTAGE RD



MODEL: Palatine Frontage RD1 - Plan 15 (Sheet)
 FILE NAME: c:\p\work\palatine\gulllaume\p1141597\105226-shr-plan.dgn

USER NAME = fritz.guillaume	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/26/2026	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCALE: 1"=50' SHEET 8 OF 11 SHEETS STA. 723+00.00 TO STA. 753+00.00

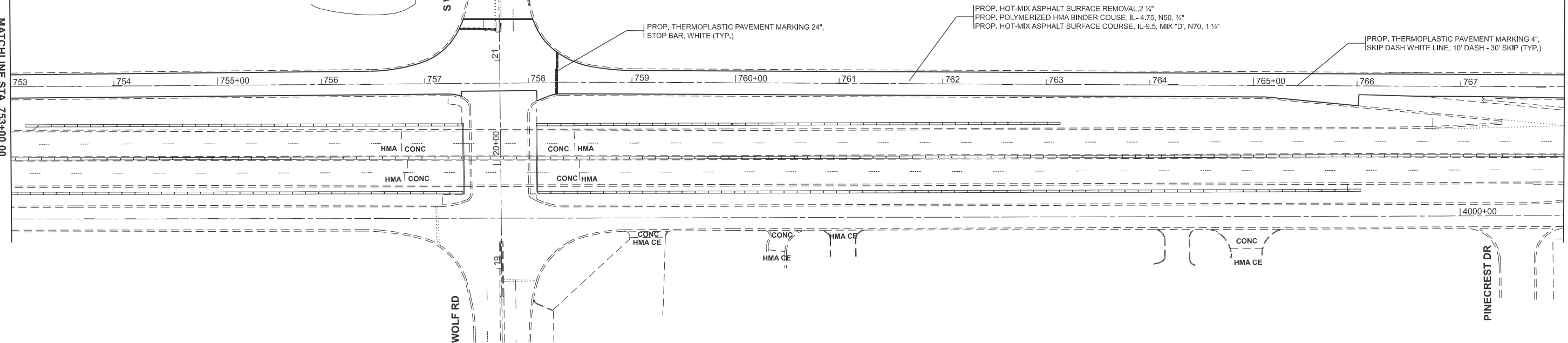
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	2025-2046-RS	COOK	34	14
CONTRACT NO. 80B87				
ILLINOIS FED. AID PROJECT				

NORTH FRONTAGE RD



MATCHLINE STA. 753+00.00

MATCHLINE STA. 768+00.00



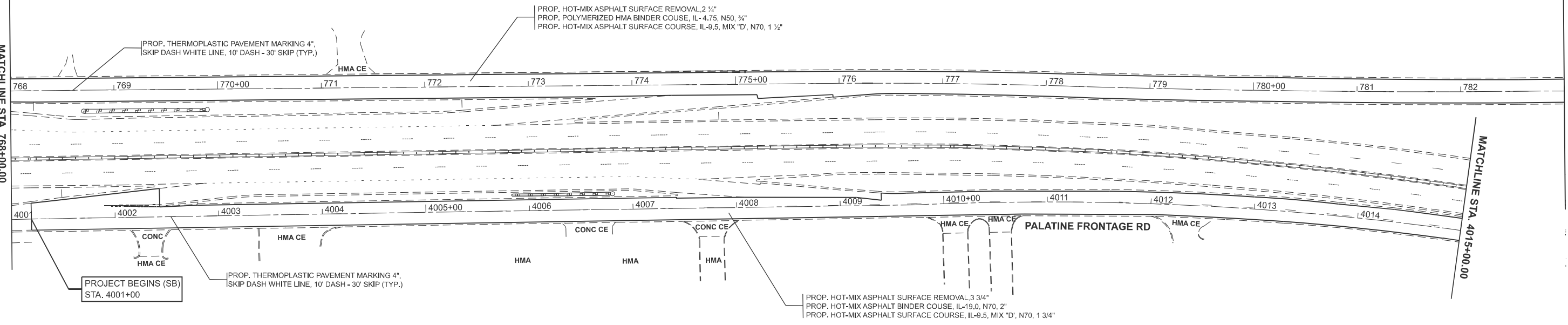
-ALL PAVEMENT MARKING SHALL BE INSTALLED ACCORDING TO IDOT D1 PM DETAIL TC-13
 -ALL RRPMS SHALL BE INSTALLED ACCORDING TO IDOT D1 RRP DETAIL TC-11

NORTH FRONTAGE RD



MATCHLINE STA. 768+00.00

MATCHLINE STA. 783+00.00



PROJECT BEGINS (SB)
 STA. 4001+00

MODEL: Palatine Frontage RD1 - Plan 17 (Sheet)
 FILE NAME: c:\p\work\pwrtdotgulllaume\p1141597\105226-shr-plan.dgn

USER NAME = fritz.gulllaume	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/26/2026	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCALE: 1"=50' SHEET 9 OF 11 SHEETS STA. 753+00.00 TO STA. 783+00.00

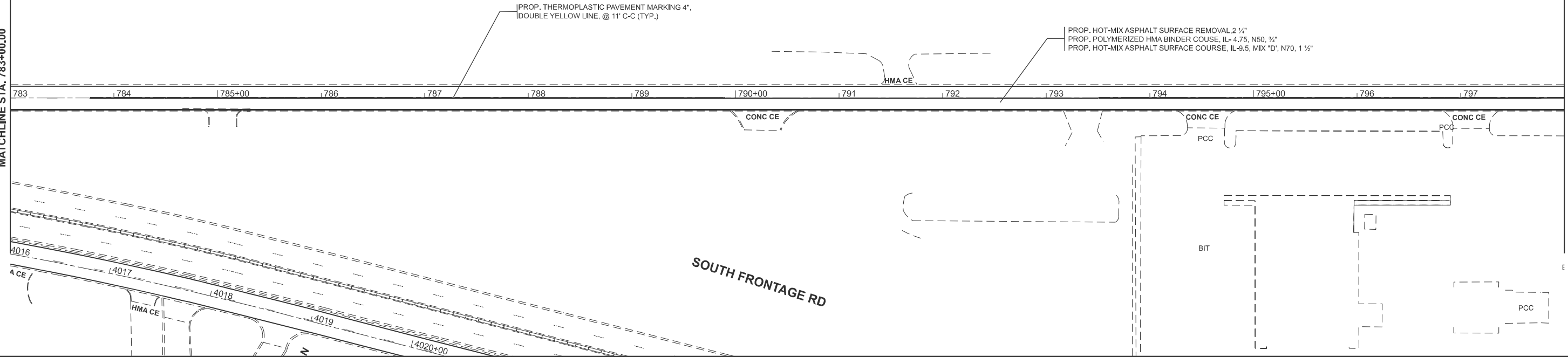
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	2025-2046-RS	COOK	34	15
CONTRACT NO. 80B87				
ILLINOIS FED. AID PROJECT				

NORTH FRONTAGE RD



MATCHLINE STA. 783+00.00

MATCHLINE STA. 798+00.00

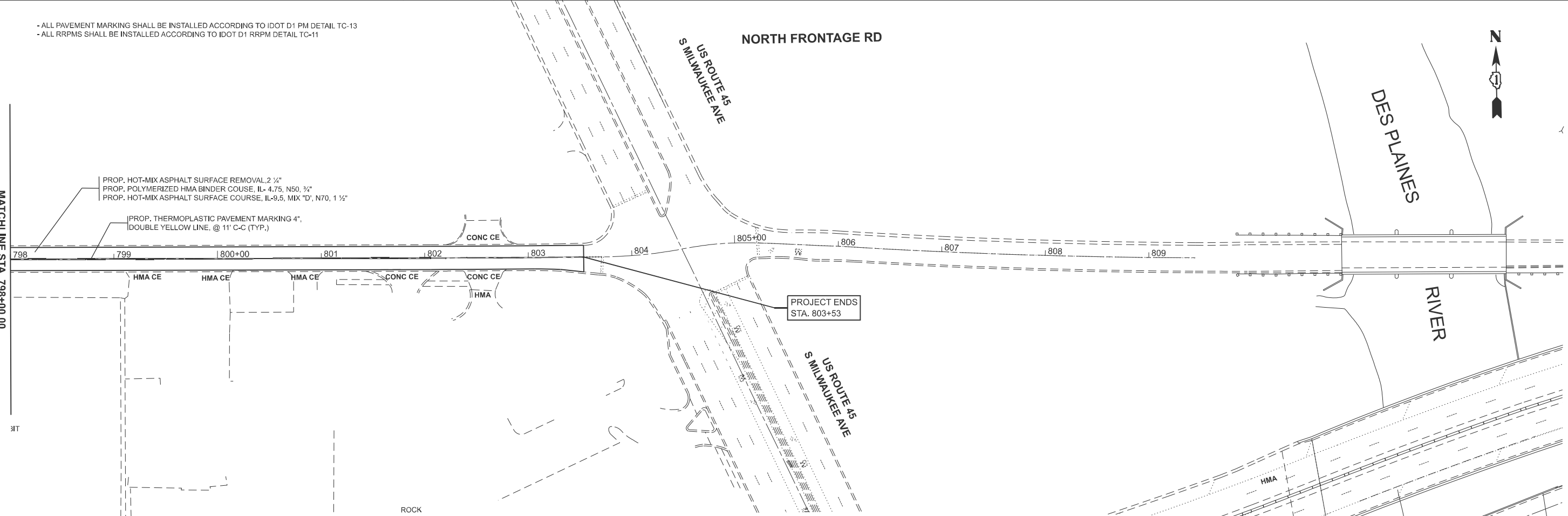


- ALL PAVEMENT MARKING SHALL BE INSTALLED ACCORDING TO IDOT D1 PM DETAIL TC-13
- ALL RRPMS SHALL BE INSTALLED ACCORDING TO IDOT D1 RRP DETAIL TC-11

NORTH FRONTAGE RD



MATCHLINE STA. 798+00.00



MODEL: Palatine Frontage RD1 - Plan 19 (Sheet)
 FILE NAME: c:\p\work\palatine\gulllaume\p1141597\105226-shh-plan.dgn

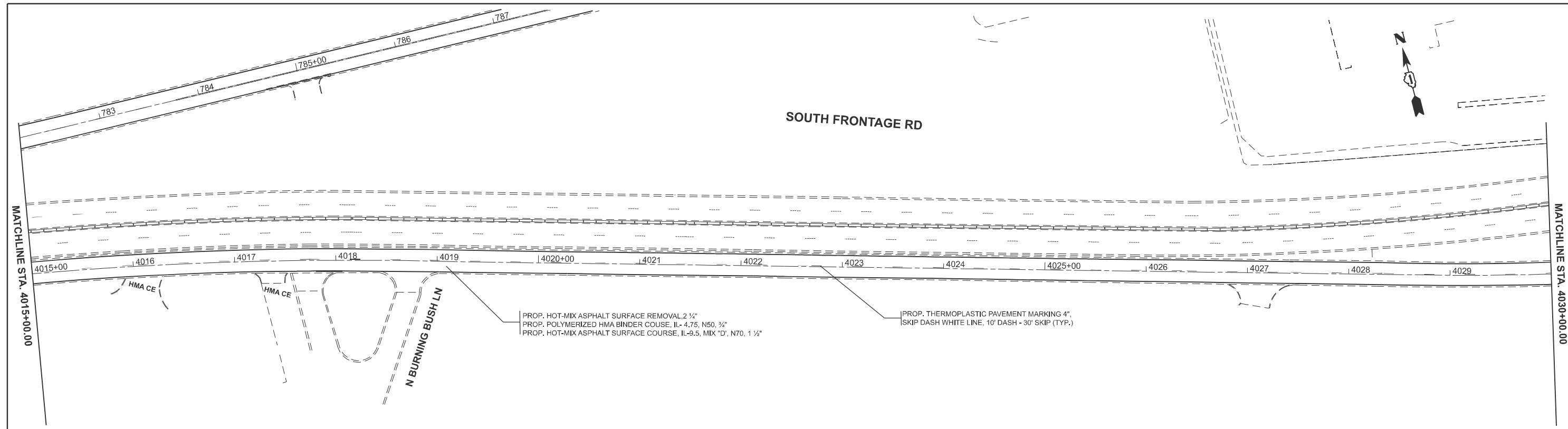
USER NAME = fritz.gulllaume	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/26/2026	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCALE: 1"=50' SHEET 10 OF 11 SHEETS STA. 783+00.00 TO STA. 813+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	2025-2046-RS	COOK	34	16
CONTRACT NO. 80B87				
ILLINOIS FED. AID PROJECT				

SOUTH FRONTAGE RD



- ALL PAVEMENT MARKING SHALL BE INSTALLED ACCORDING TO IDOT D1 PM DETAIL TC-13
 - ALL RRPMS SHALL BE INSTALLED ACCORDING TO IDOT D1 RRP DETAIL TC-11

PROP. HOT-MIX ASPHALT SURFACE REMOVAL 2 1/4"
 PROP. POLYMERIZED HMA BINDER COUSE, IL- 4.75, N50, 3/4"
 PROP. HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 1 1/2"

PROP. THERMOPLASTIC PAVEMENT MARKING 4",
 SKIP DASH WHITE LINE, 10' DASH - 30' SKIP (TYP.)

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

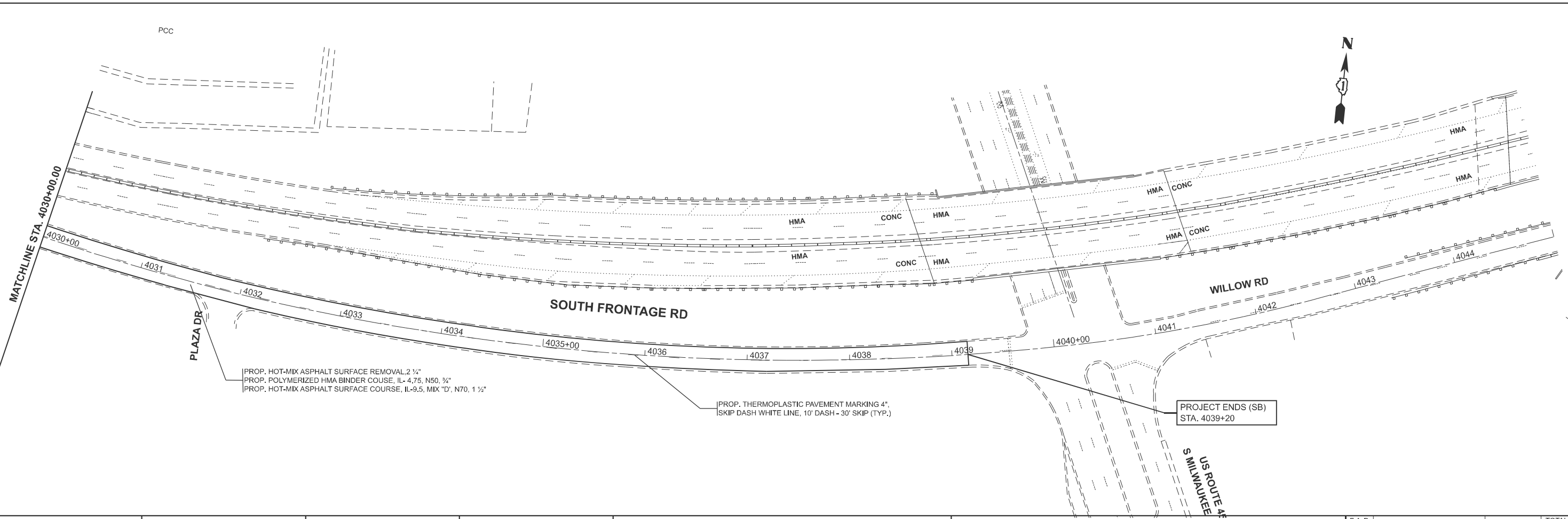
USER NAME = fritz.guillaume	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/26/2026	DATE -	REVISED -

SCALE: 1"=50' SHEET 11 OF 11 SHEETS STA. 4015+00.00 TO STA. 4045+00.00

F.A.P. RTE. 305	SECTION 2025-2046-RS	COUNTY COOK	TOTAL SHEETS 34	SHEET NO. 17
CONTRACT NO. 80B87				
ILLINOIS FED. AID PROJECT				

MODEL: South Frontage RD - Plan 21 (Sheet)
 FILE NAME: c:\p\work\105226-shr-plan.dgn

PCC



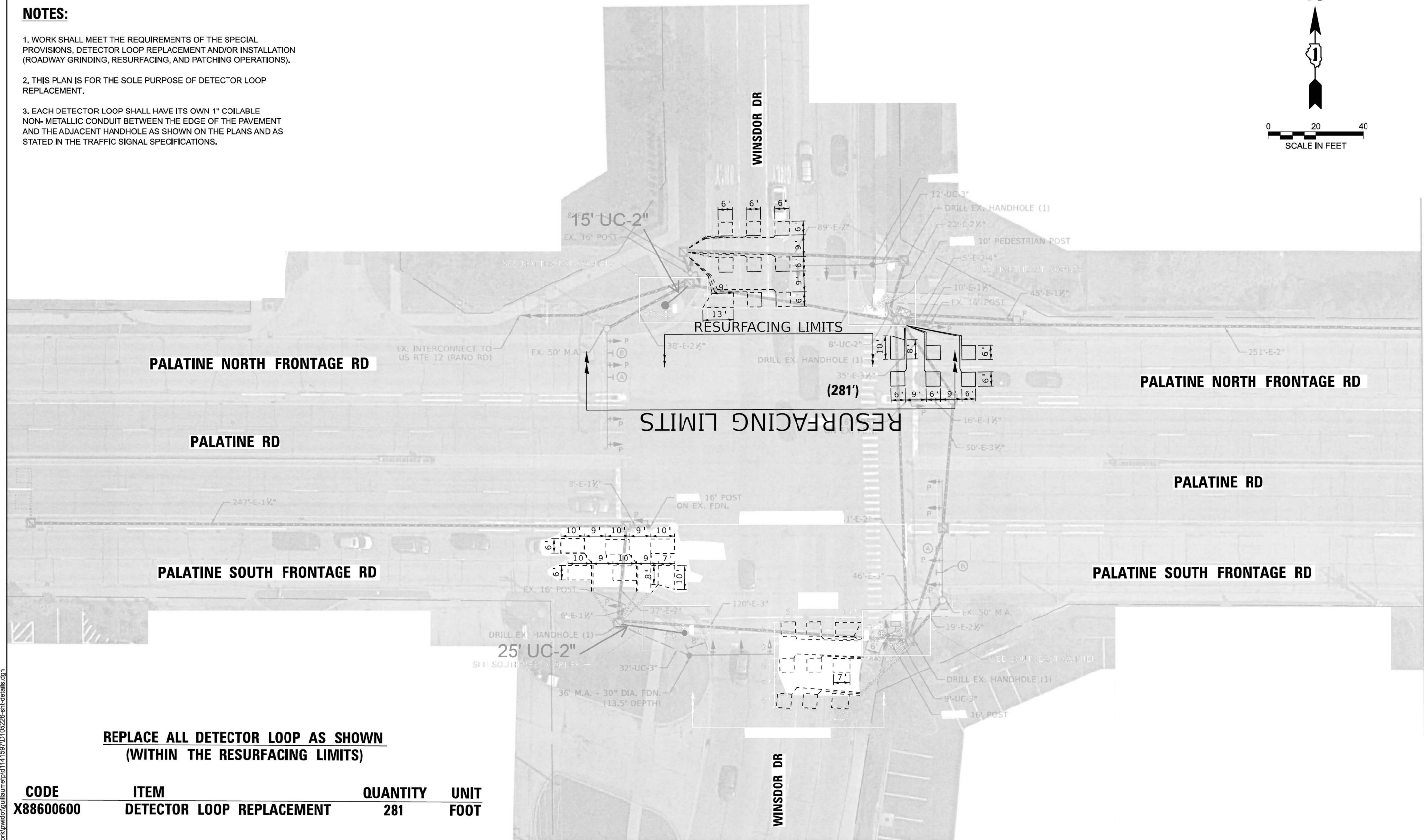
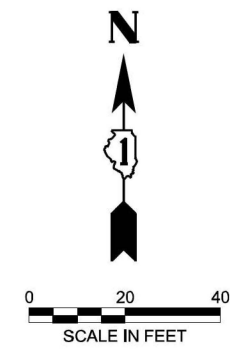
PROP. HOT-MIX ASPHALT SURFACE REMOVAL 2 1/4"
 PROP. POLYMERIZED HMA BINDER COUSE, IL- 4.75, N50, 3/4"
 PROP. HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 1 1/2"

PROP. THERMOPLASTIC PAVEMENT MARKING 4",
 SKIP DASH WHITE LINE, 10' DASH - 30' SKIP (TYP.)

PROJECT ENDS (SB)
 STA. 4039+20

NOTES:

1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISIONS, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING, AND PATCHING OPERATIONS).
2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.
3. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF THE PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.



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

CODE	ITEM	QUANTITY	UNIT
X88600600	DETECTOR LOOP REPLACEMENT	281	FOOT

MODEL: Details01 (Sheet)
FILE NAME: c:\pwworking\frizg\guillaume\p1141597\105226-sht-details.dgn

USER NAME = friz.guillaume	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/26/2026	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN
PALATINE ROAD AT WINDSOR DRIVE**

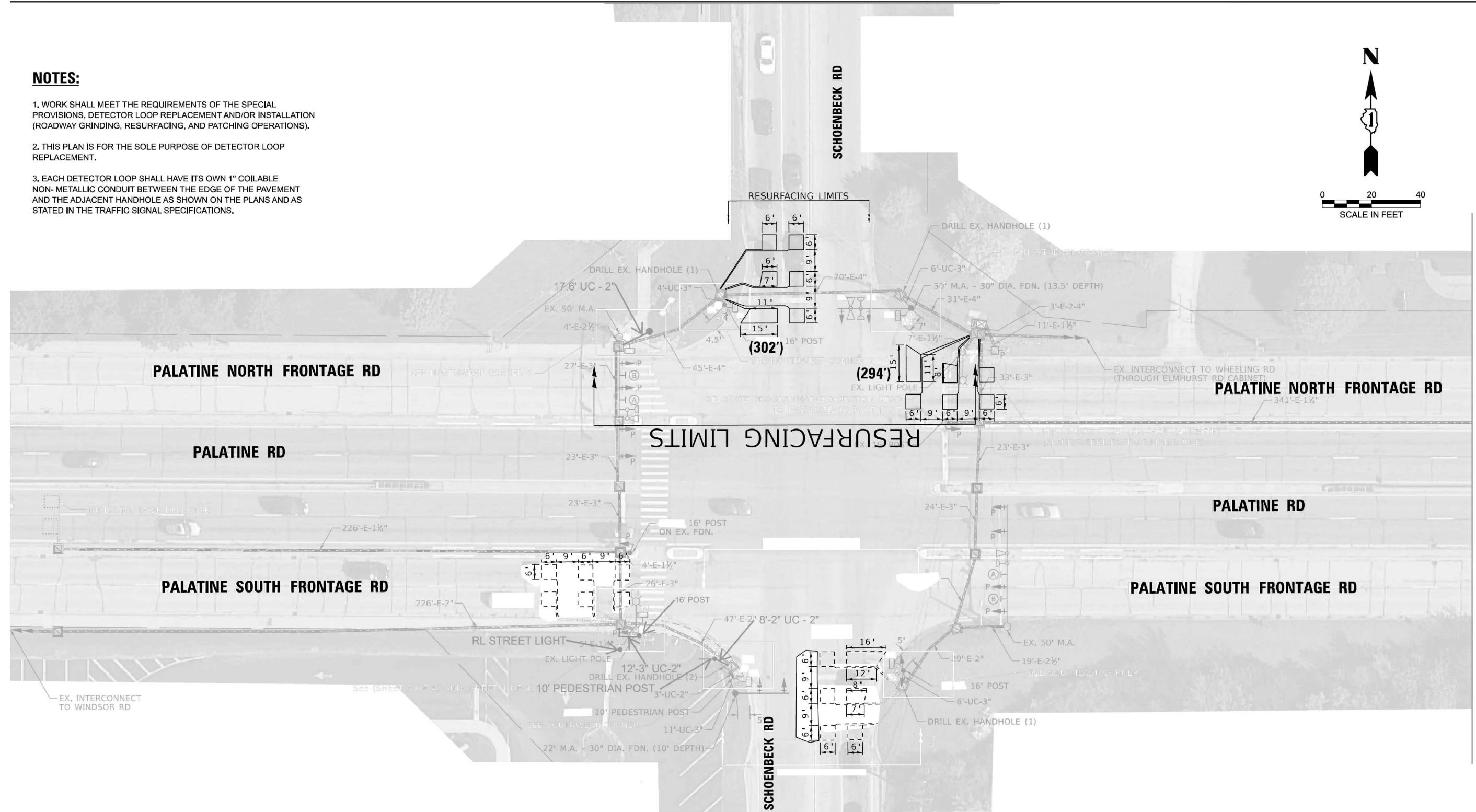
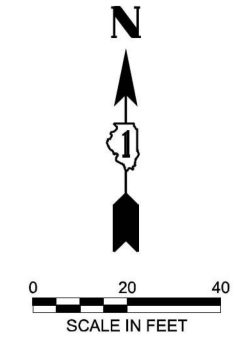
SCALE: SHEET 1 OF 3 SHEETS STA. 0+00.00 TO STA. 0+00.00

F.A.P. RTE. 305	SECTION 2025-2046-RS	COUNTY COOK	TOTAL SHEETS 34	SHEET NO. 18
CONTRACT NO. 80B87				
ILLINOIS FED. AID PROJECT				

MATCH LINE A-A
SEE SHT 21

NOTES:

1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISIONS, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING, AND PATCHING OPERATIONS).
2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.
3. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF THE PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.



MATCH LINE A-A
SEE SHT 26

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

CODE	ITEM	QUANTITY	UNIT
X88600600	DETECTOR LOOP REPLACEMENT	596	FOOT

MODEL: Details02 (Sheet)
FILE NAME: c:\pwworking\gulllaume\p1141597\105226-sht-details.dgn

USER NAME = fritz.guillaume	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/26/2026	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN
PALATINE ROAD AT SCHOENBECK ROAD**

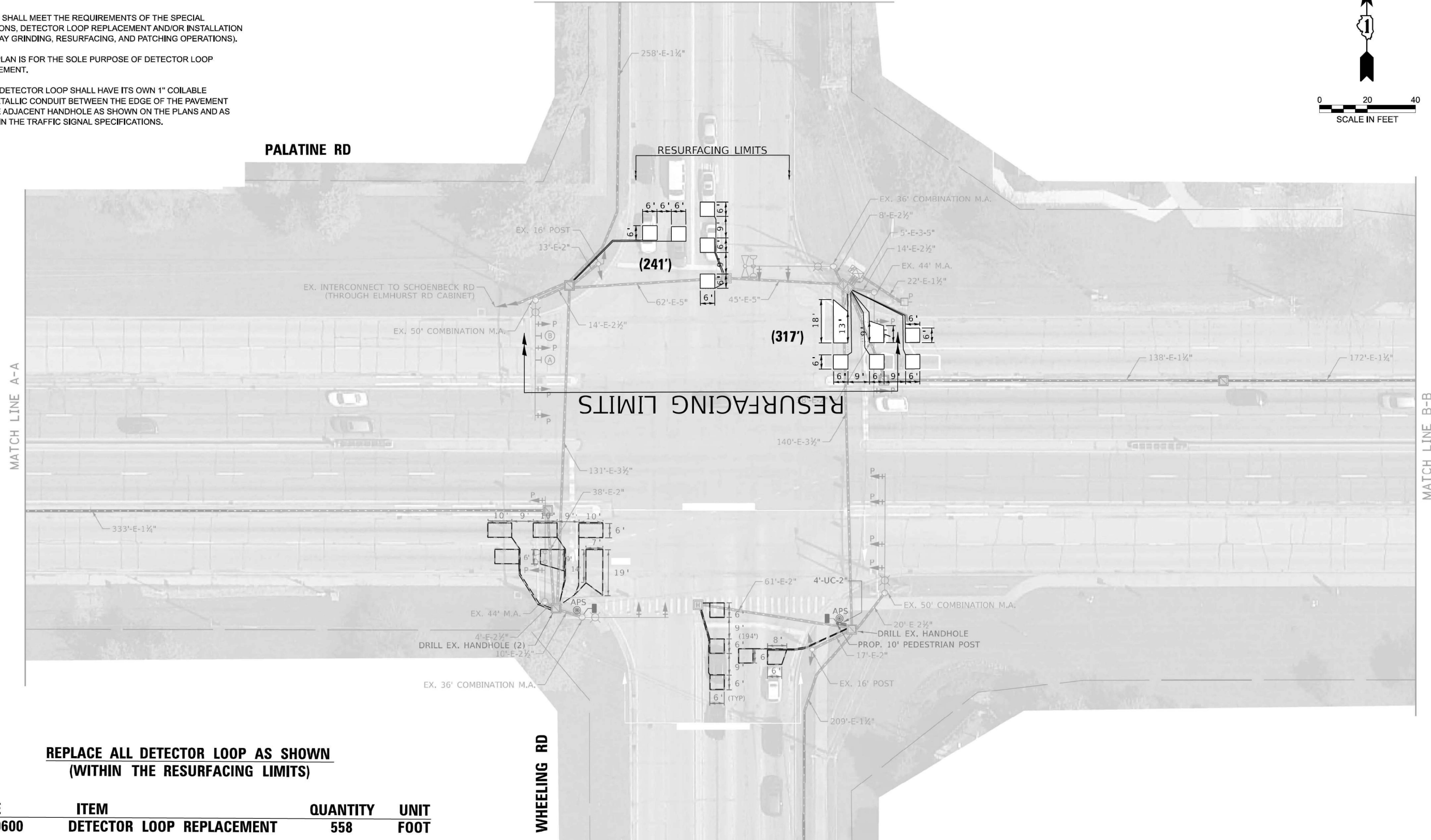
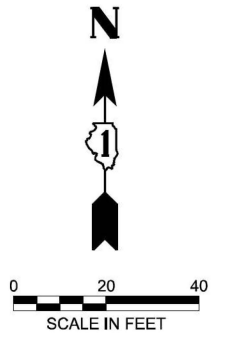
SCALE: SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.P. RTE. 305	SECTION 2025-2046-RS	COUNTY COOK	TOTAL SHEETS 34	SHEET NO. 19
CONTRACT NO. 80B87				
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. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.
3. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF THE PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.

SEE SHT 31
MATCH LINE C-C



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

CODE	ITEM	QUANTITY	UNIT
X88600600	DETECTOR LOOP REPLACEMENT	558	FOOT

MODEL: Details03 (Sheet)
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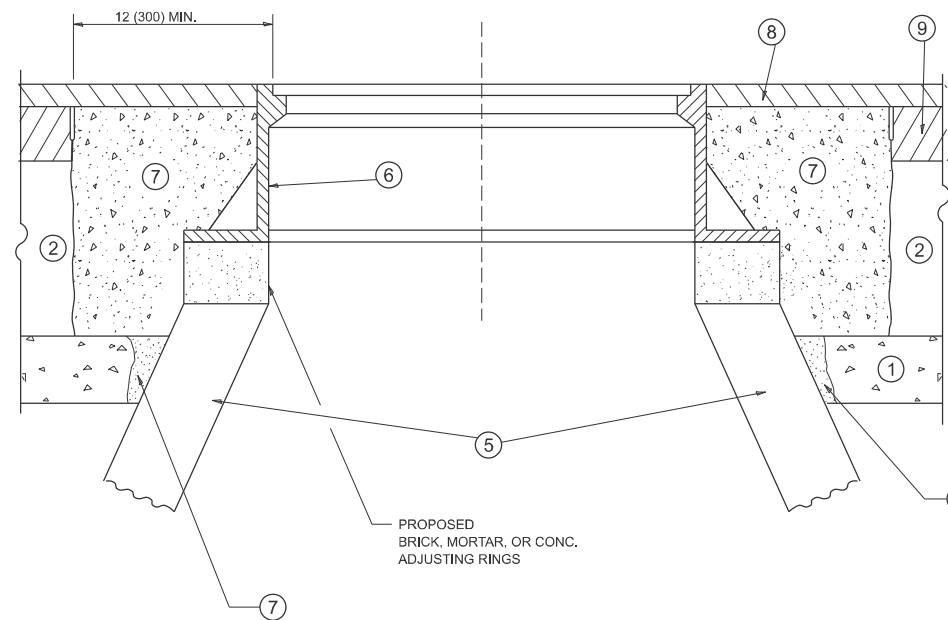
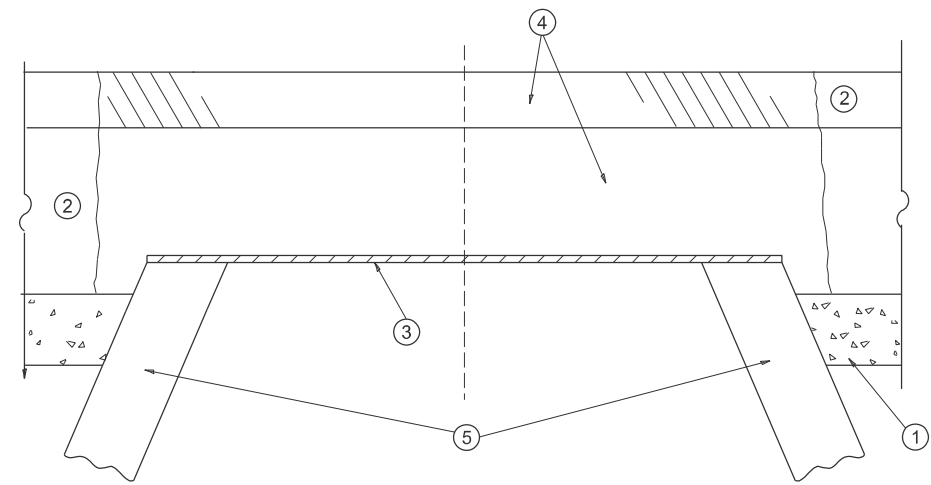
USER NAME = fritz.guillaume	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/26/2026	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN
PALATINE ROAD AT WHEELING ROAD**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	2025-2046-RS	COOK	34	20
CONTRACT NO. 80B87				
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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	DRAWN -	REVISED - R. BORO 12-06-11
	CHECKED -	REVISED - K. SMITH 11-18-22
PLOT DATE = 3/26/2026	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.

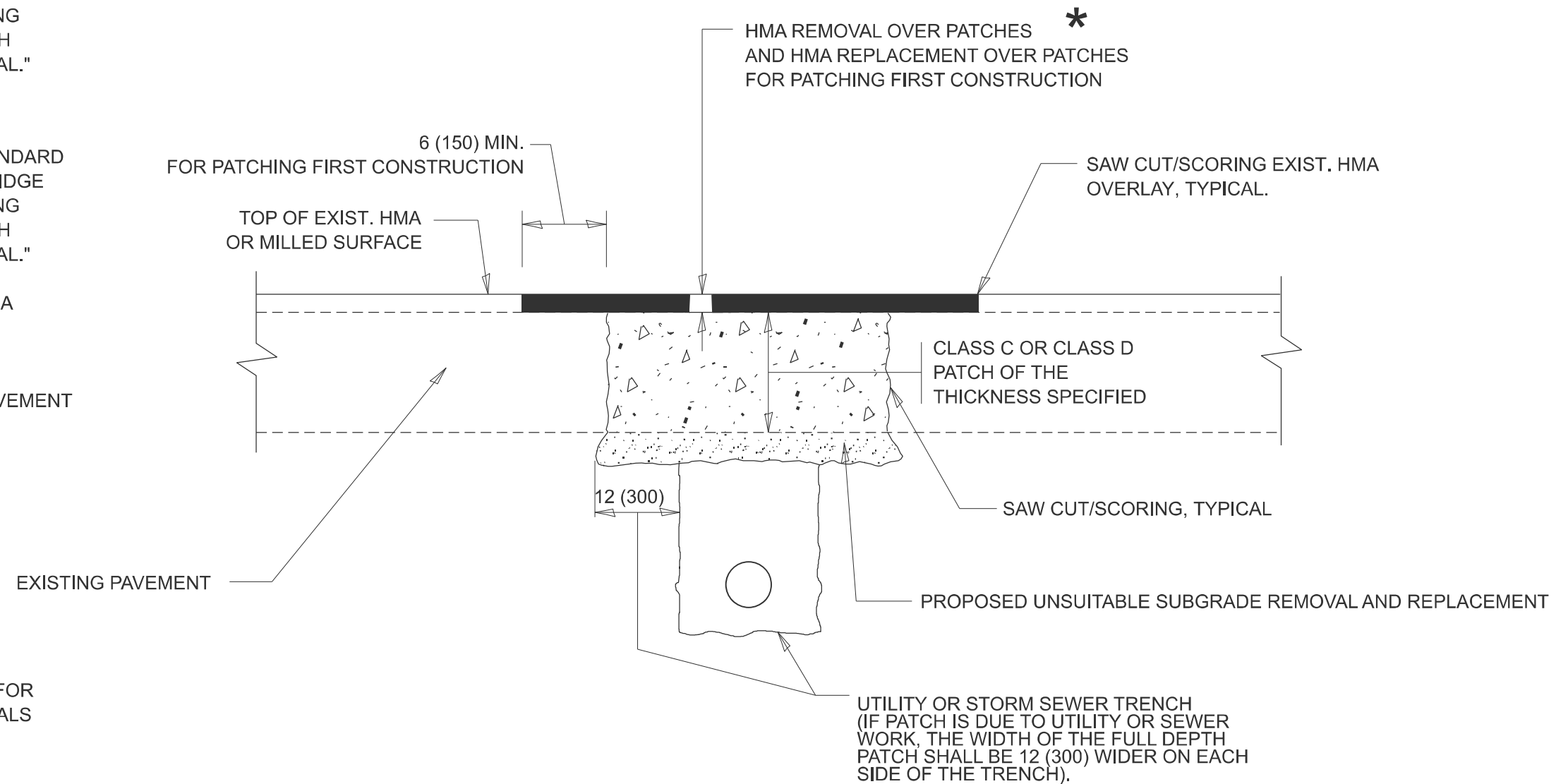
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305	2025-2046-RS	COOK	34	21
BD600-03 (BD-08)		CONTRACT NO. 80B87		
ILLINOIS FED. AID PROJECT				

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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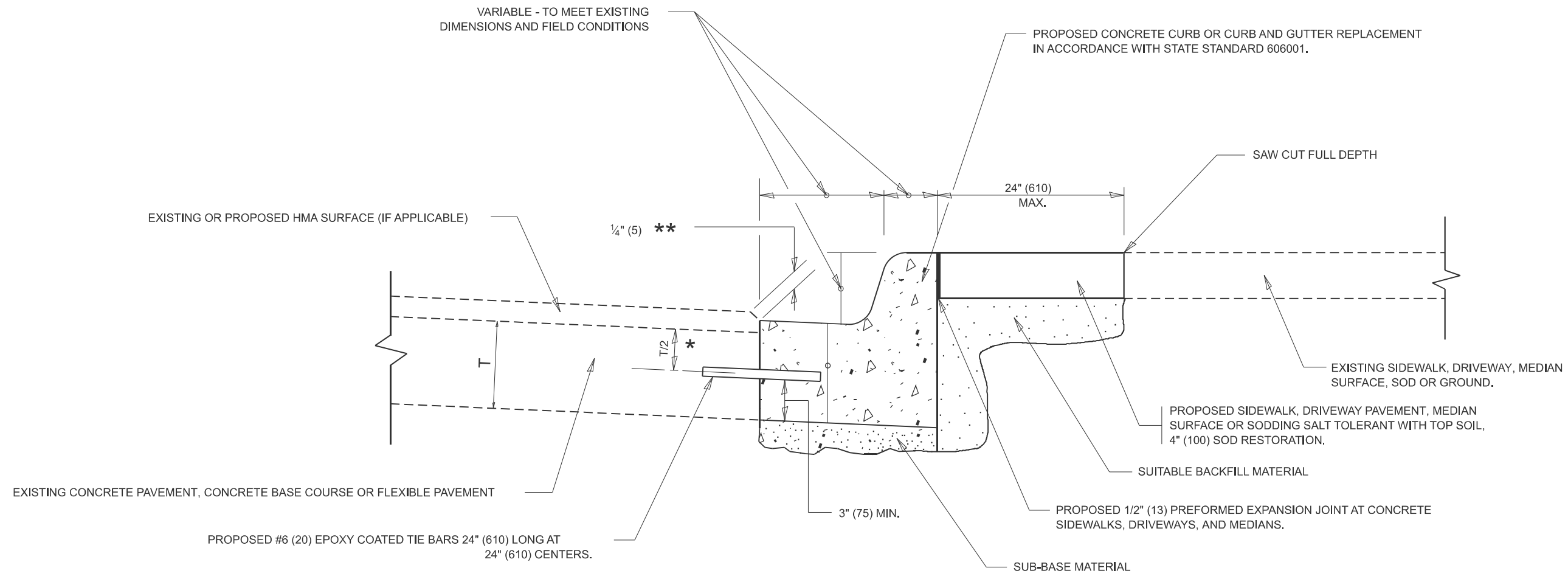
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PLOT DATE = 3/26/2026	DATE - 10-25-94	REVISED - K. SMITH 11-18-22

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.
305	2025-2046-RS	COOK	34	22
BD400-04 (BD-22)		CONTRACT NO. 80B87		
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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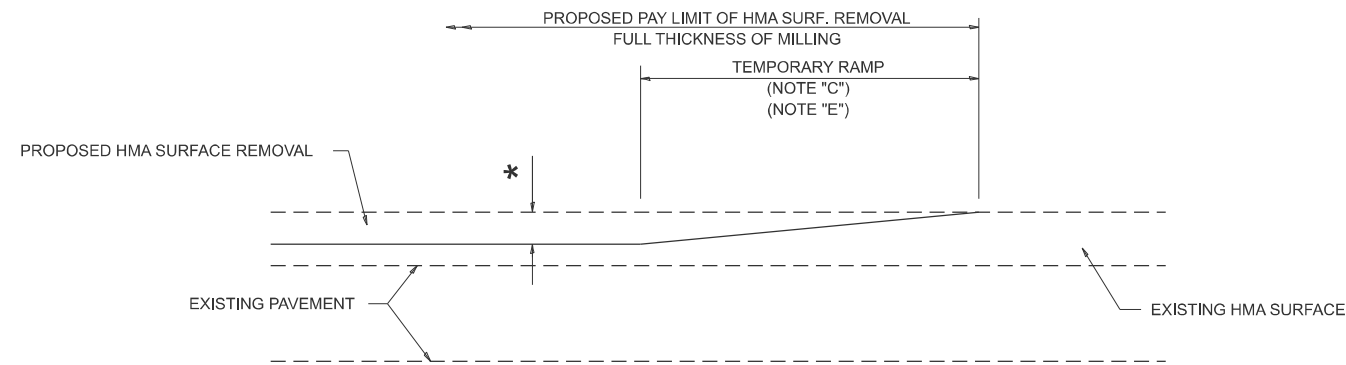
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PLOT DATE = 3/26/2026	DATE - 03-11-94	REVISED - K. SMITH 07-11-19

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

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

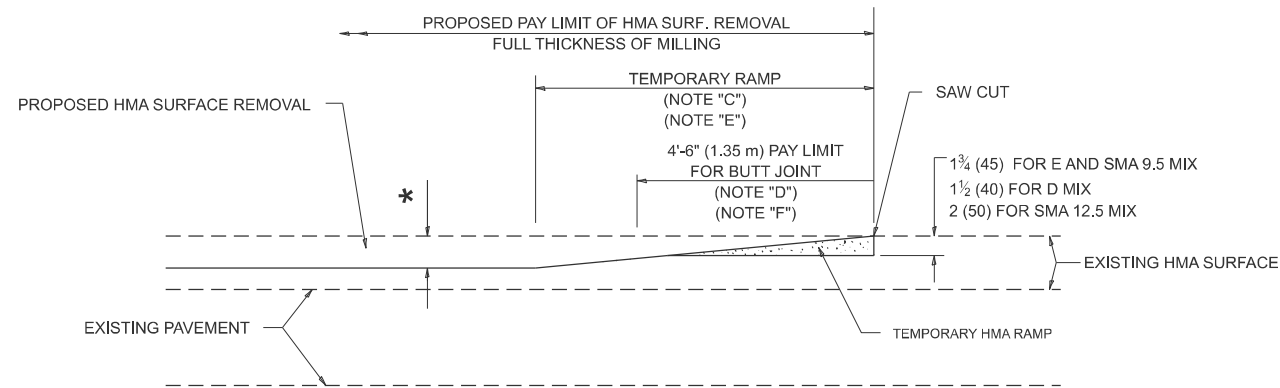
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305	2025-2046-RS	COOK	34	23
BD600-06 (BD-24)		CONTRACT NO. 80B87		
ILLINOIS FED. AID PROJECT				



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

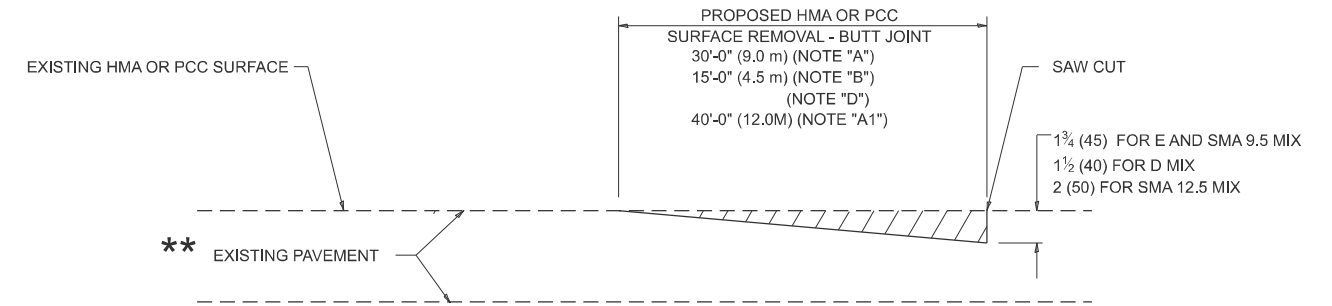


HMA CONSTRUCTED TEMPORARY RAMP

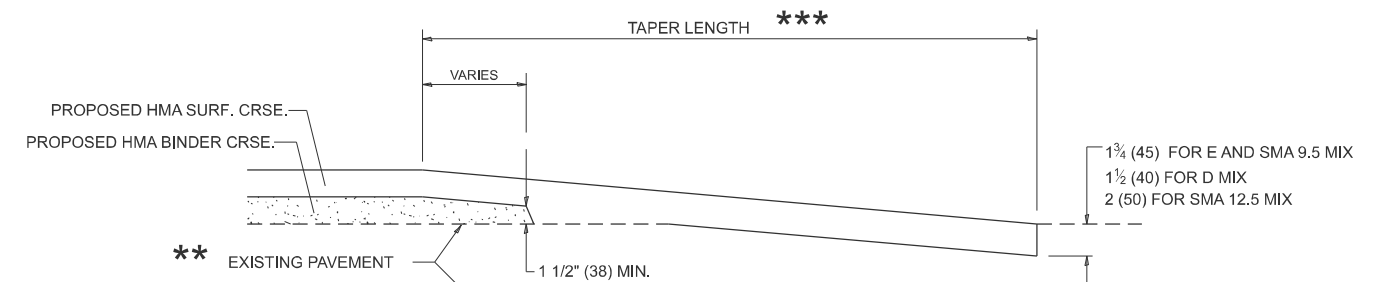
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2

TYPICAL TEMPORARY RAMP



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

GENERAL NOTES

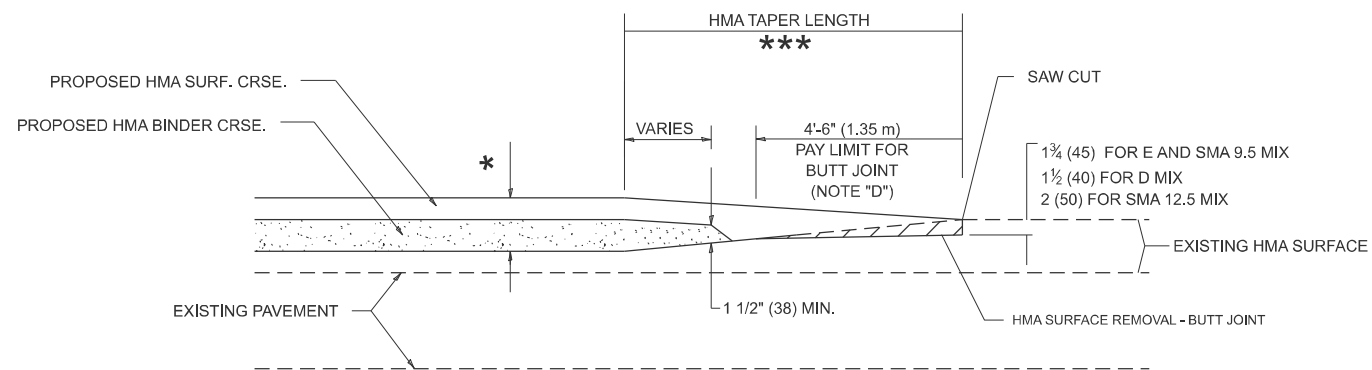
- A. MAINLINE ARTERIAL ROADWAYS AND MAJOR SIDE ROADS.
- A1. INTERSTATES
- B. MINOR SIDE ROADS.
- C. THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
- D. THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
- E. TAPER THE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

20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT

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

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



BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

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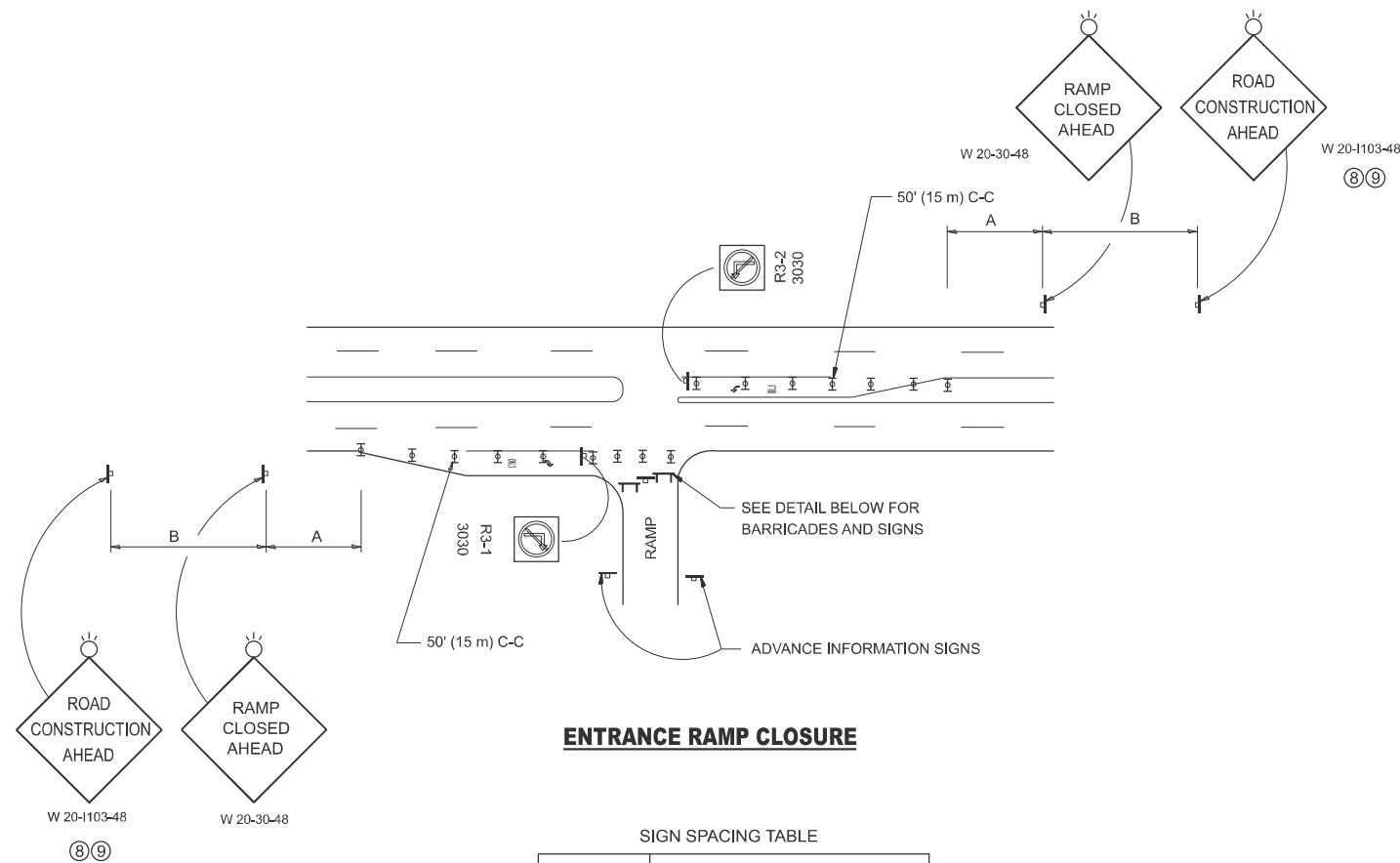
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PLOT DATE = 3/26/2026	DATE - 06-13-90	REVISED - K. SMITH 11-18-22

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.
305	2025-2046-RS	COOK	34	24
BD400-05 BD-32		CONTRACT NO. 80B87		
ILLINOIS FED. AID PROJECT				

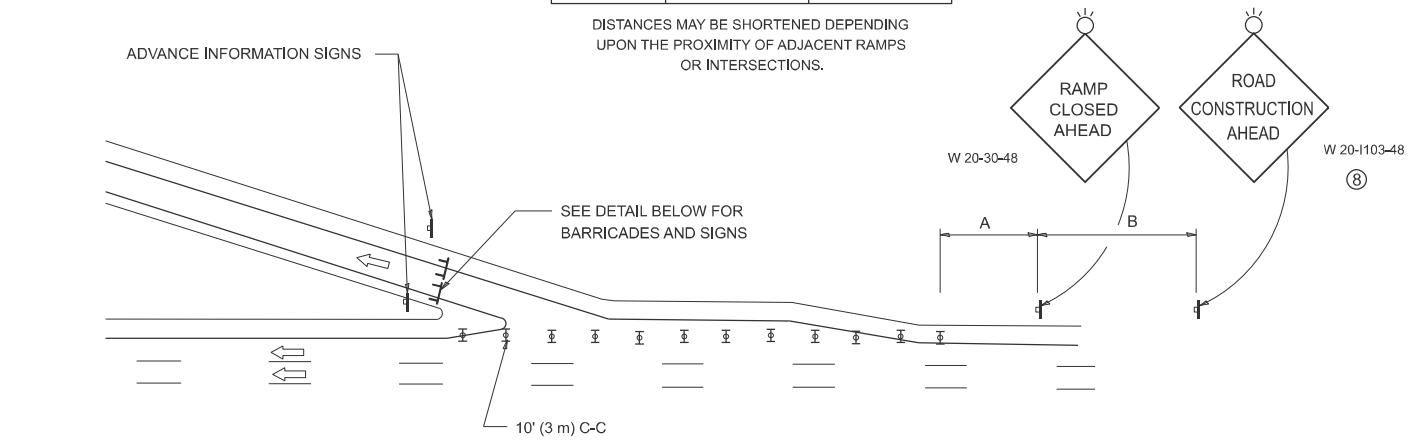


ENTRANCE RAMP CLOSURE

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)

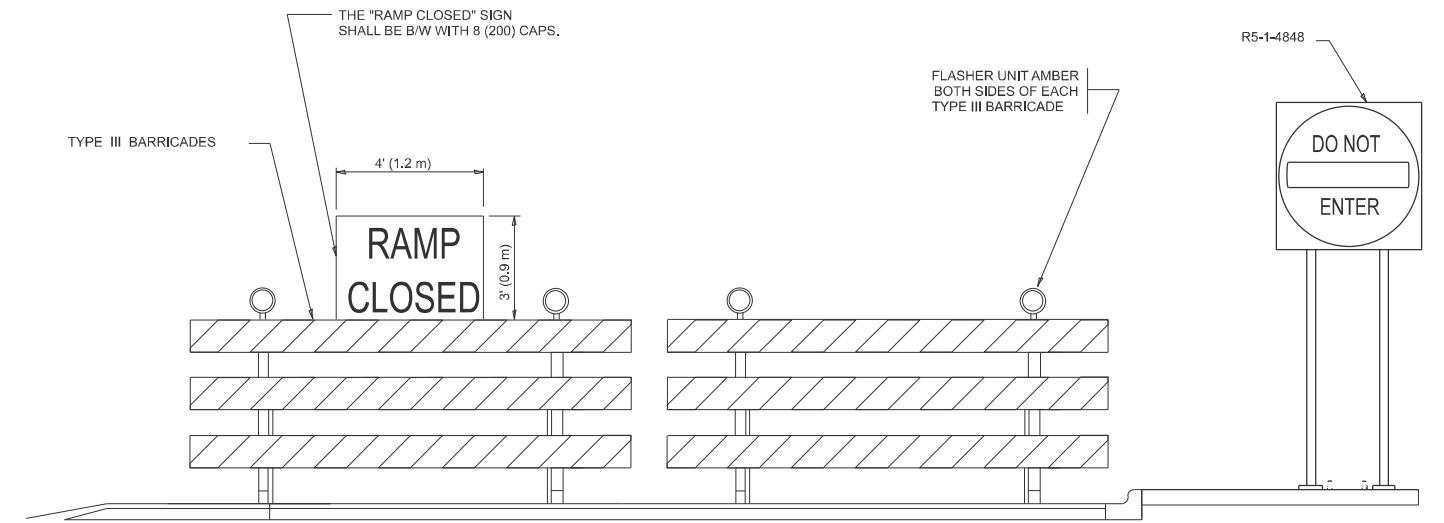
DISTANCES MAY BE SHORTENED DEPENDING UPON THE PROXIMITY OF ADJACENT RAMPS OR INTERSECTIONS.



EXIT RAMP CLOSURE

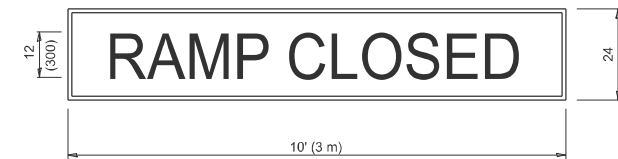
SYMBOLS

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



DETAIL FOR REQUIRED BARRICADES & SIGNS

RAMP CLOSURE ADVANCE WARNING SIGN



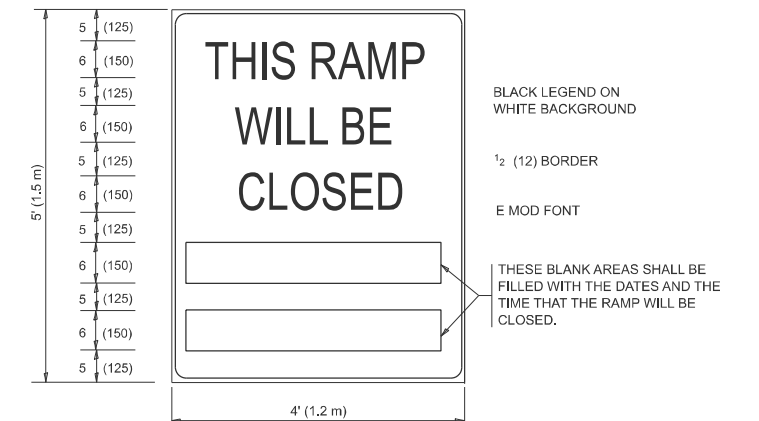
BLACK LEGEND ON ORANGE BACKGROUND MOUNTED DIAGONALLY
E MOD FONT
1 (25) BORDER

THESE SIGNS ARE REQUIRED ON ALL THE EXIT GUIDE SIGNS FOR EXIT RAMPS THAT WILL BE CLOSED FOR MORE THAN FOUR (4) CONSECUTIVE DAYS.

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

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.

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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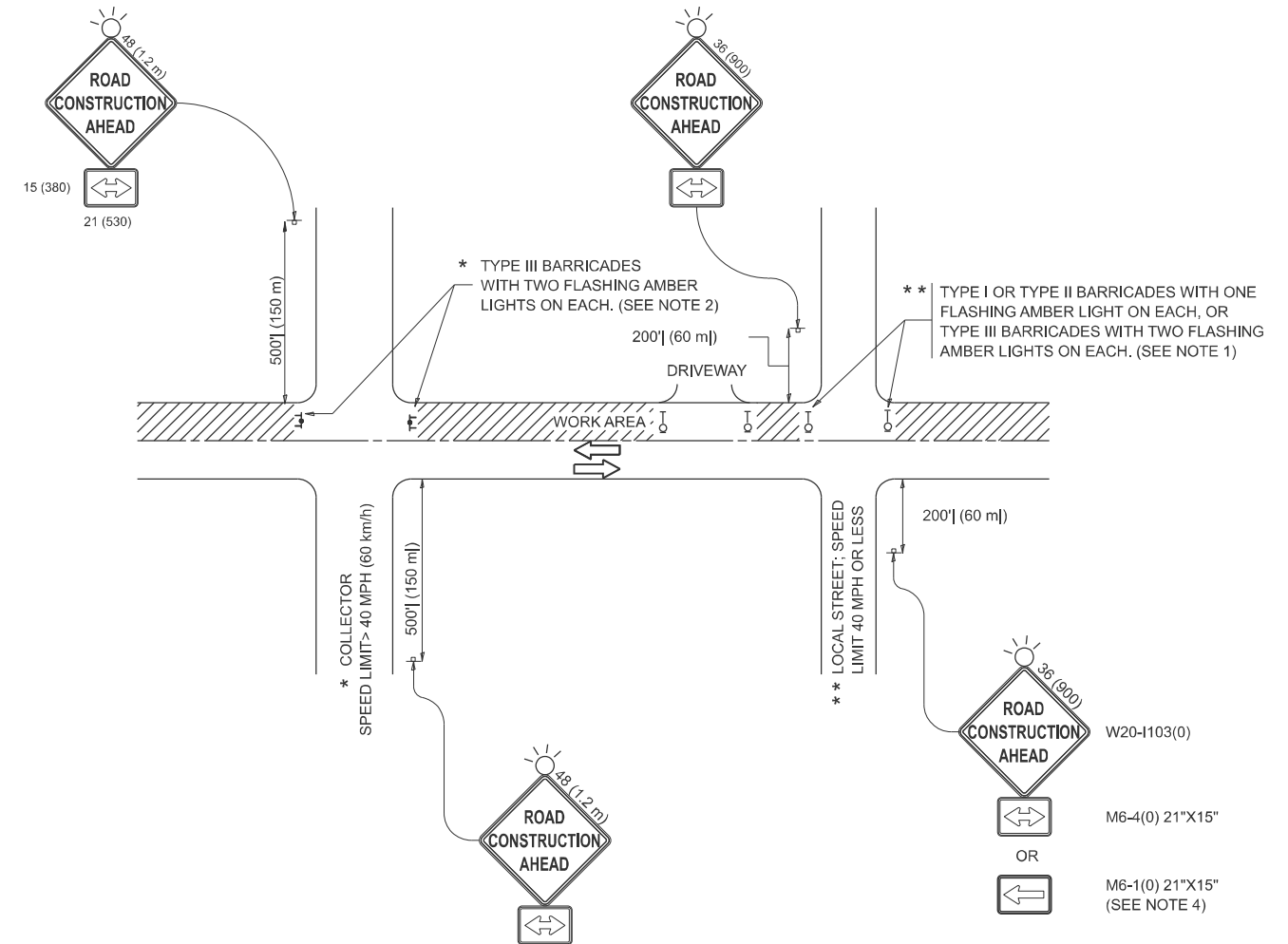
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ENTRANCE AND EXIT RAMP
CLOSURE DETAILS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	2025-2046-RS	COOK	34	25
TC-08			CONTRACT NO. 80B87	
ILLINOIS FED. AID PROJECT				

MODEL: TC-10 (Sheet)
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NOTES:

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

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

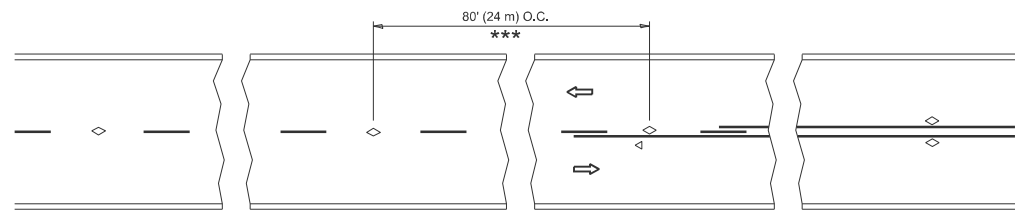
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	CHECKED -	REVISED - A. SCHUETZE 09-15-06
PLOT DATE = 3/26/2026	DATE - 06-89	REVISED - D. SENDERAK 05-03-24

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

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

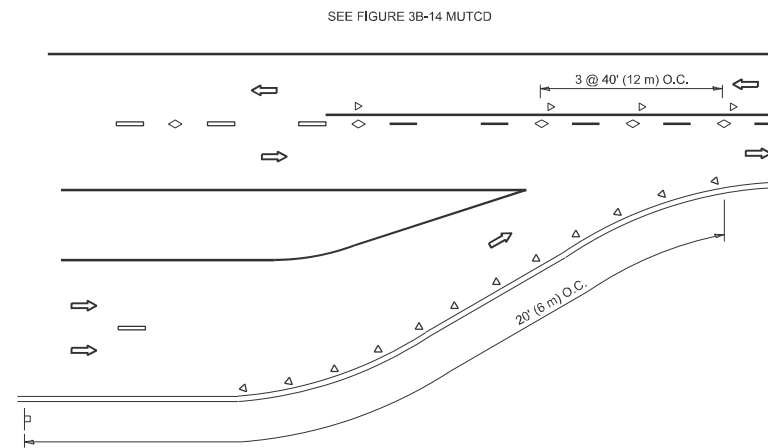
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-10			CONTRACT NO. 80B87	
ILLINOIS FED. AID PROJECT				

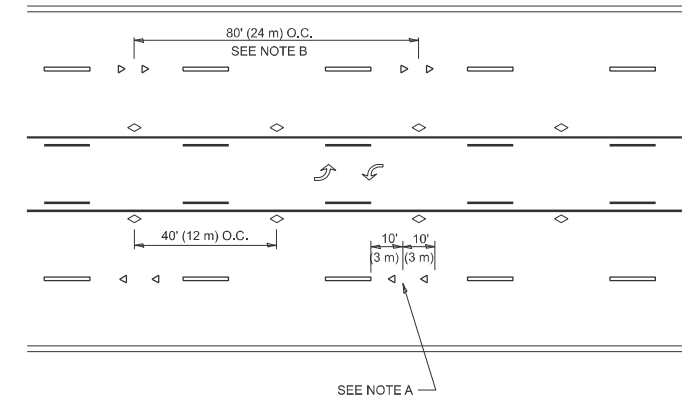


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

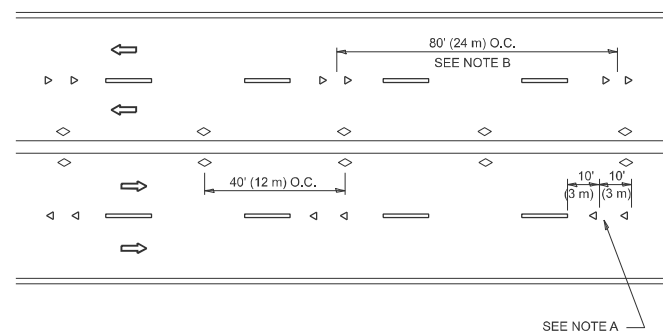
TWO-LANE/TWO-WAY



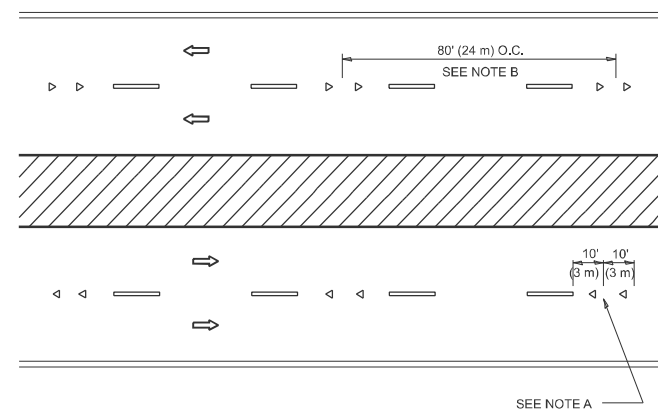
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

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

SYMBOLS

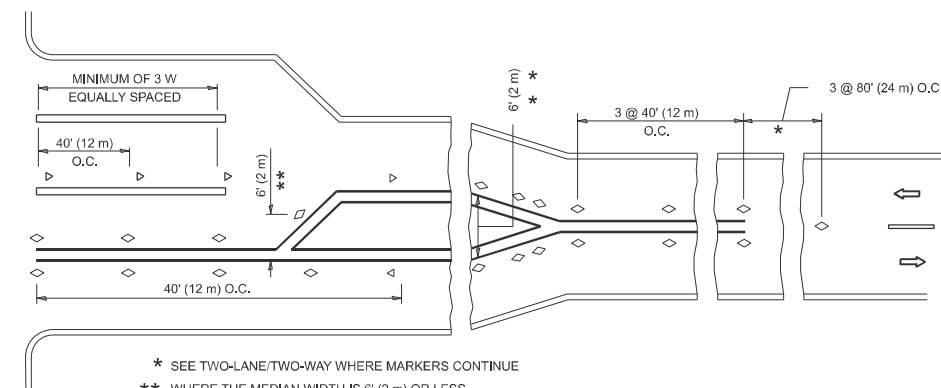
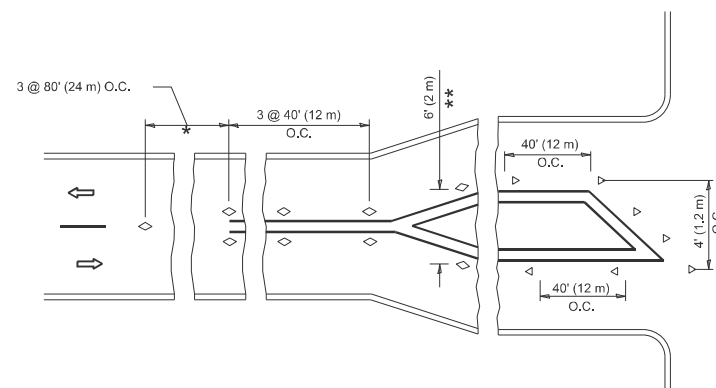
- YELLOW STRIPE
- WHITE STRIPE
- ◁ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◇ TWO-WAY AMBER MARKER

LANE MARKER NOTES

- USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- 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

- DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
- EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
- THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
- 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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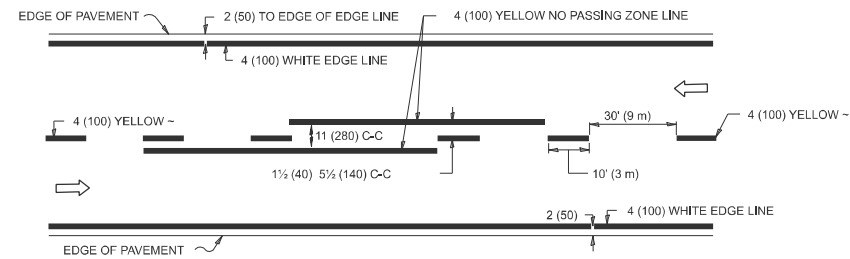
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PLOT DATE = 3/26/2026	DATE -	REVISED - C. JUCIUS 07-01-13

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

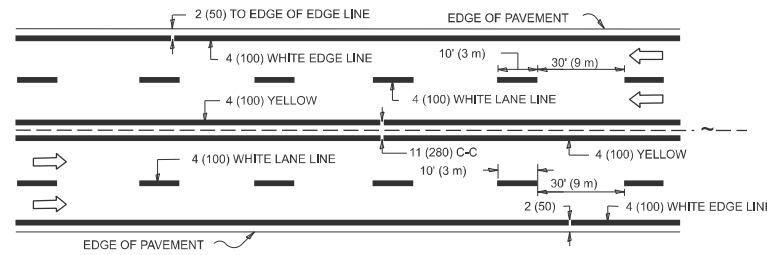
TYPICAL APPLICATIONS
 RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)

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

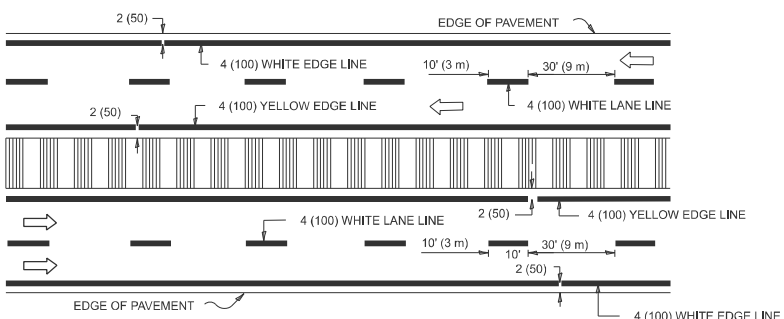
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	2025-2046-RS	COOK	34	27
TC-11			CONTRACT NO. 80B87	
ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

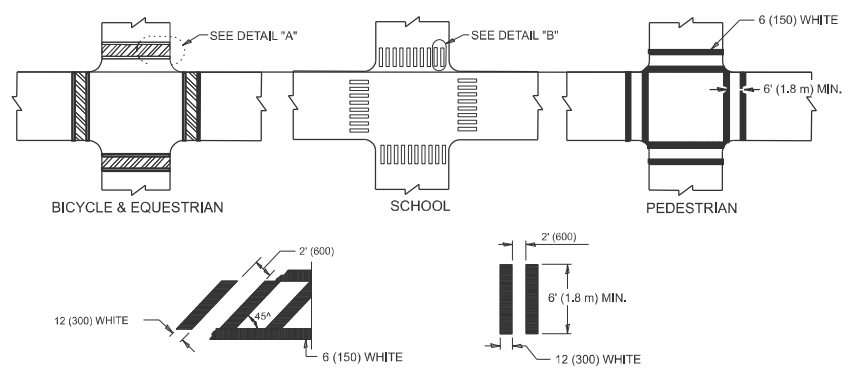


MULTI-LANE UNDIVIDED



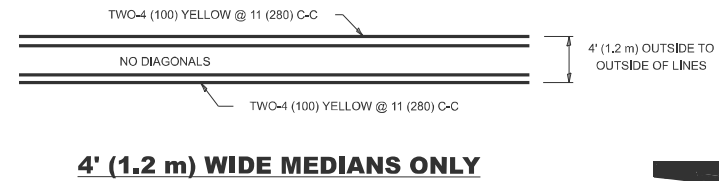
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

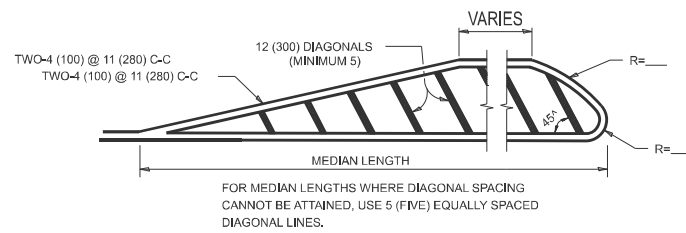


DETAIL "A" DETAIL "B"
TYPICAL CROSSWALK MARKING

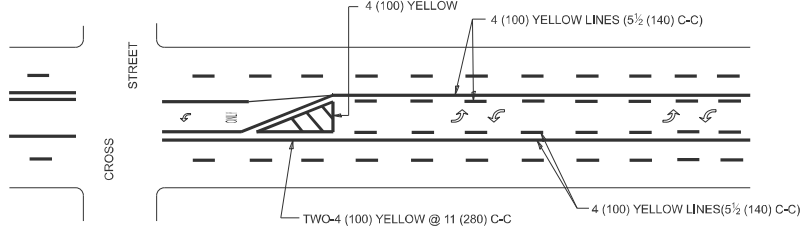
* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



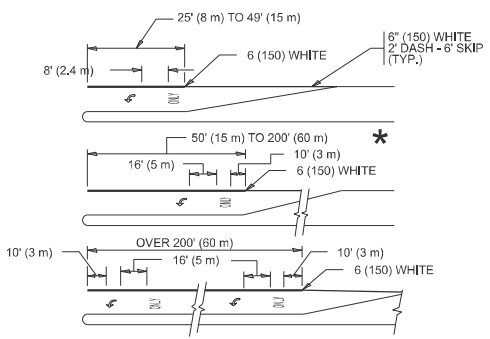
4' (1.2 m) WIDE MEDIANS ONLY



MEDIANS OVER 4' (1.2 m) WIDE



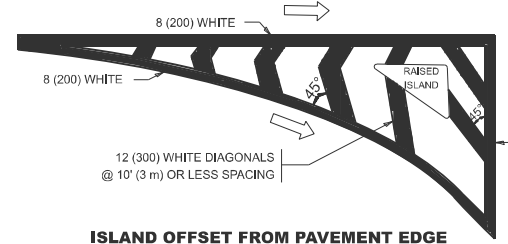
MEDIAN WITH TWO-WAY LEFT TURN LANE
TYPICAL PAINTED MEDIAN MARKING



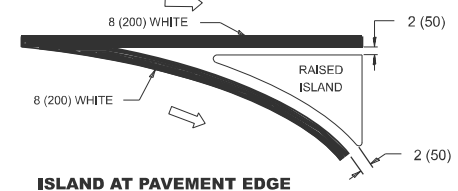
TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

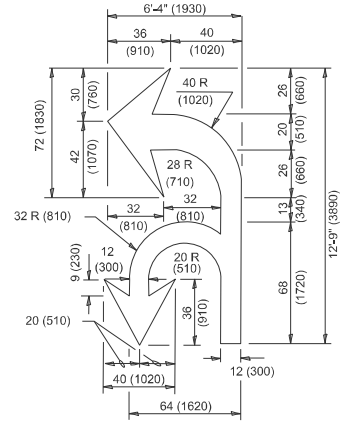
FULL SIZE LETTERS 8" (2.4 m) AND ARROWS SHALL BE USED. AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".



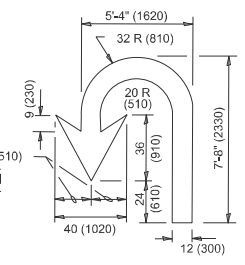
ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE
TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

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

LANE REDUCTION TRANSITION

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

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	5½ (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; 5½ (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 (30 MPH (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 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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	DRAWN - C. JUCIUS 07-01-13	REVISED - C. JUCIUS 12-21-15
	CHECKED -	REVISED - C. JUCIUS 04-12-16
PLOT DATE = 3/26/2026	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.
305	2025-2046-RS	COOK	34	28
TC-13		CONTRACT NO. 80B87		
ILLINOIS		FED. AID PROJECT		

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

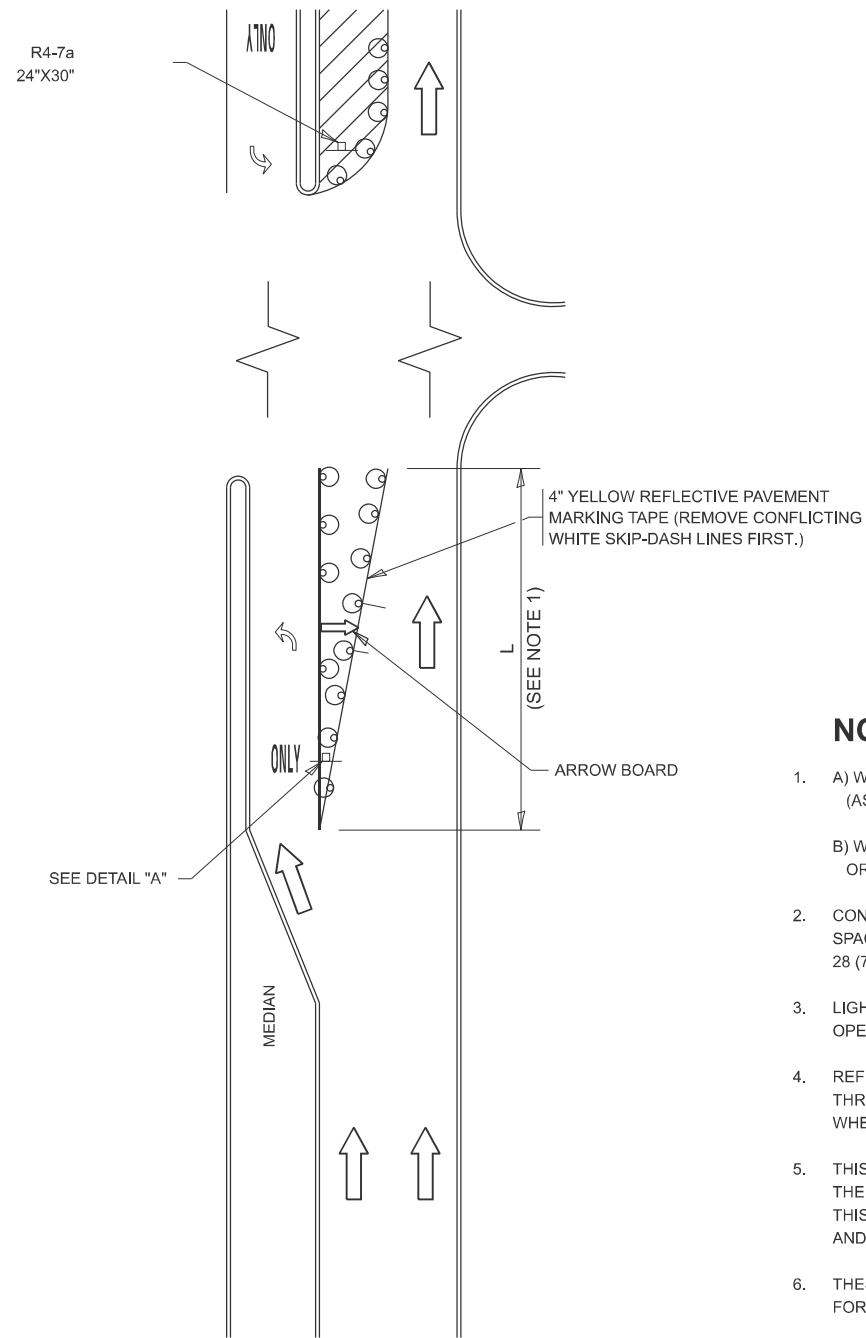


FIGURE 1

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

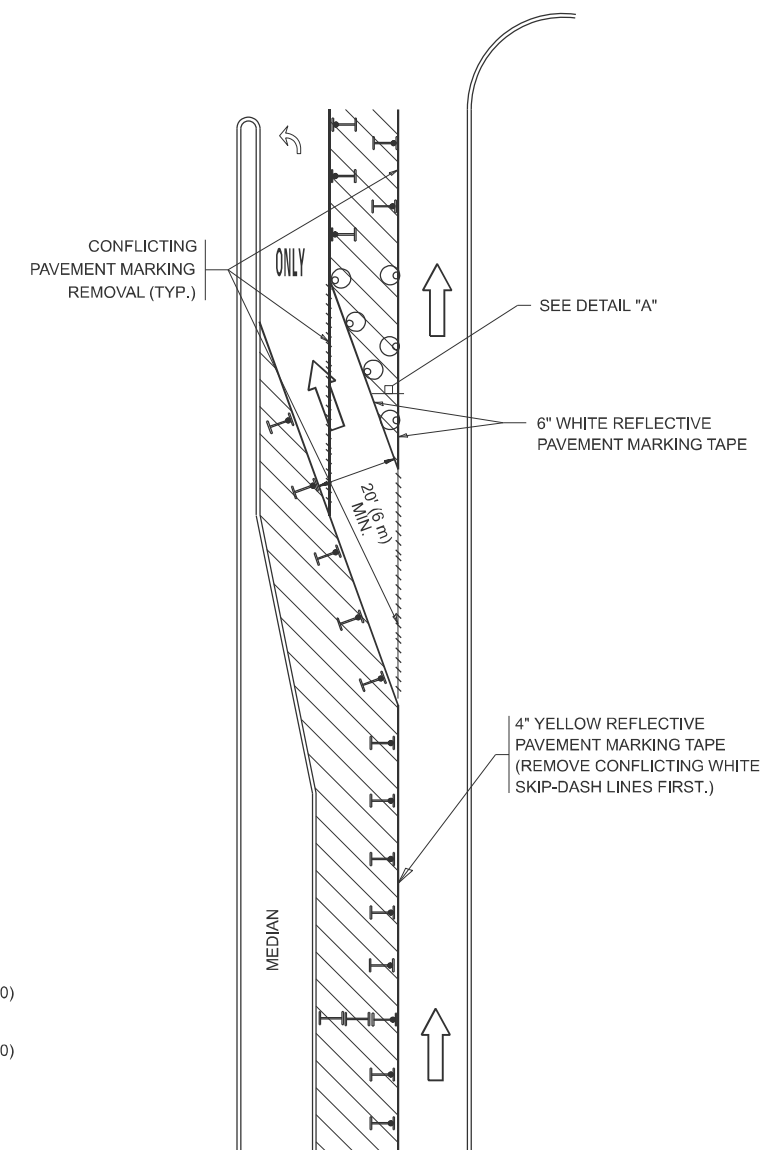


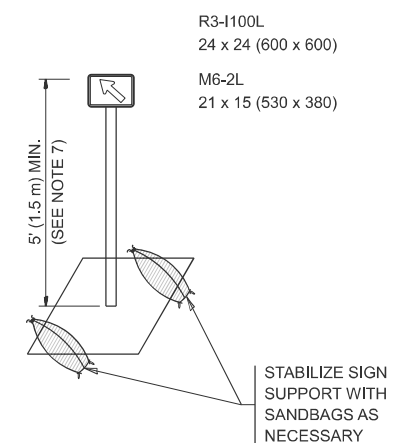
FIGURE 2

LEGEND

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

NOTES:

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



DETAIL A

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

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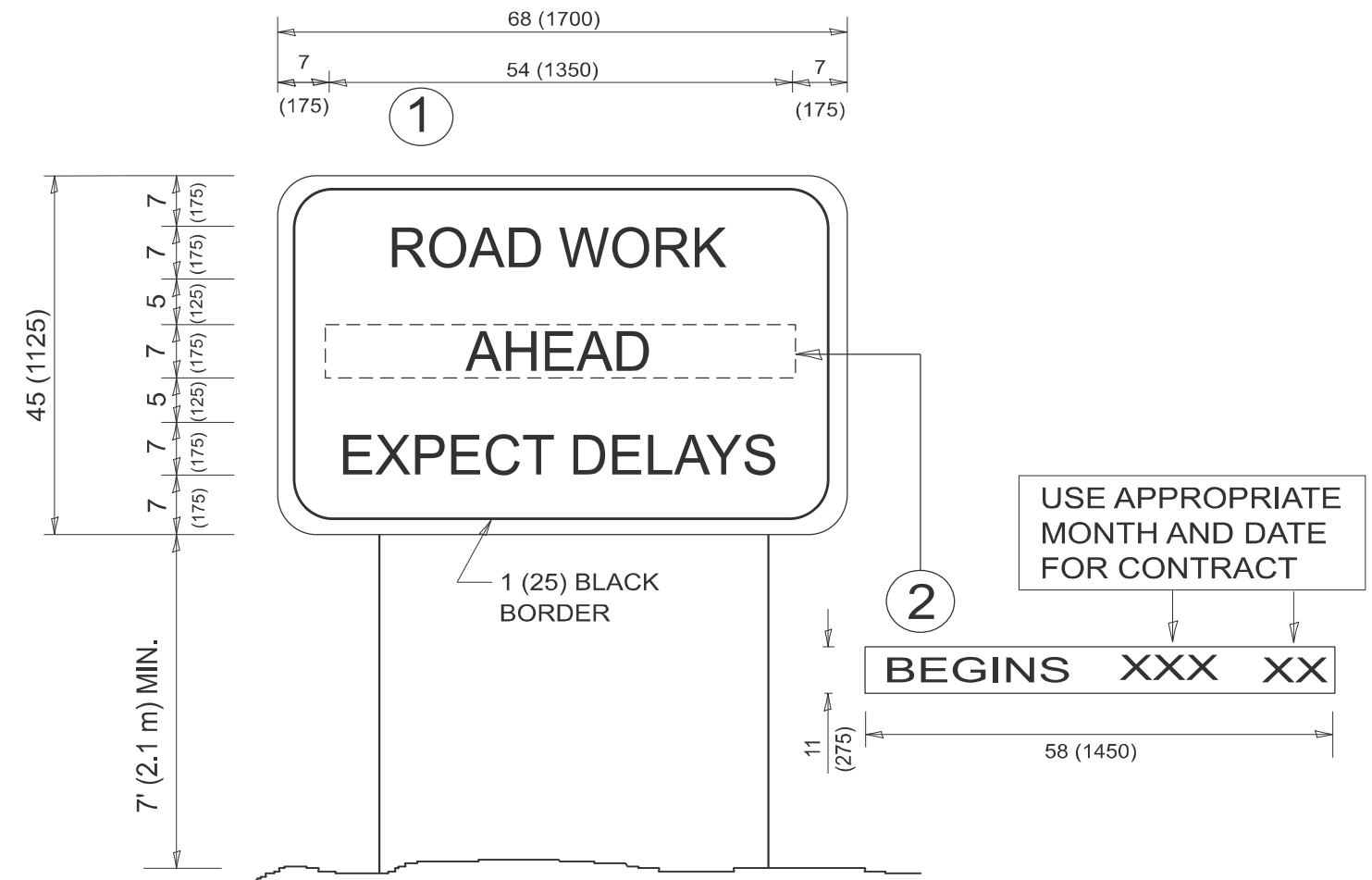
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	DRAWN - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13
	CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16
PLOT DATE = 3/26/2026	DATE - T. RAMMACHER 01-06-00	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	2025-2046-RS	COOK	34	29
TC-14		CONTRACT NO. 80B87		
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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	CHECKED -	REVISED - T. RAMMACHER 02-02-99
PLOT DATE = 3/26/2026	DATE -	REVISED - C. JUCIUS 01-31-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

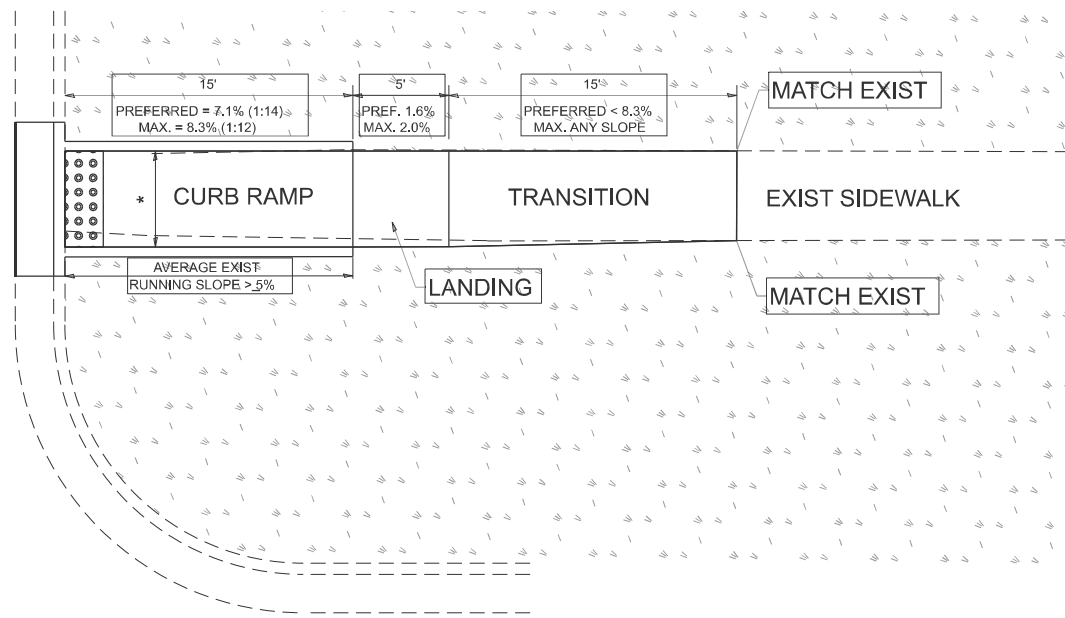
ARTERIAL ROAD
INFORMATION SIGN

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

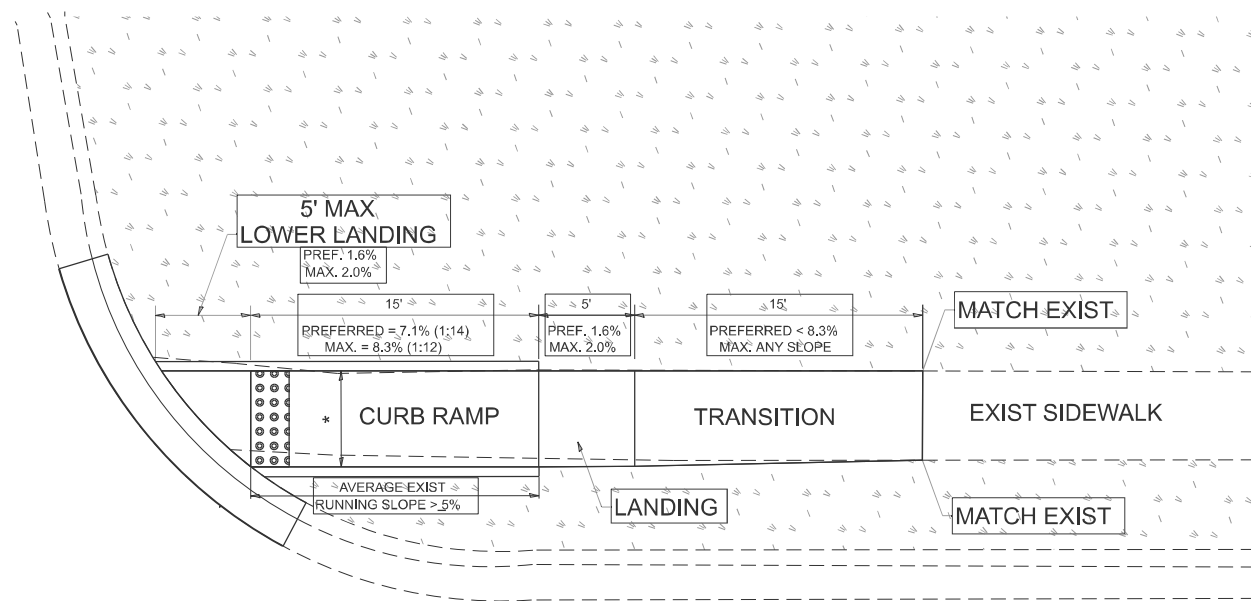
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	2025-2046-RS	COOK	34	31
TC-22			CONTRACT NO. 80B87	
ILLINOIS FED. AID PROJECT				

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

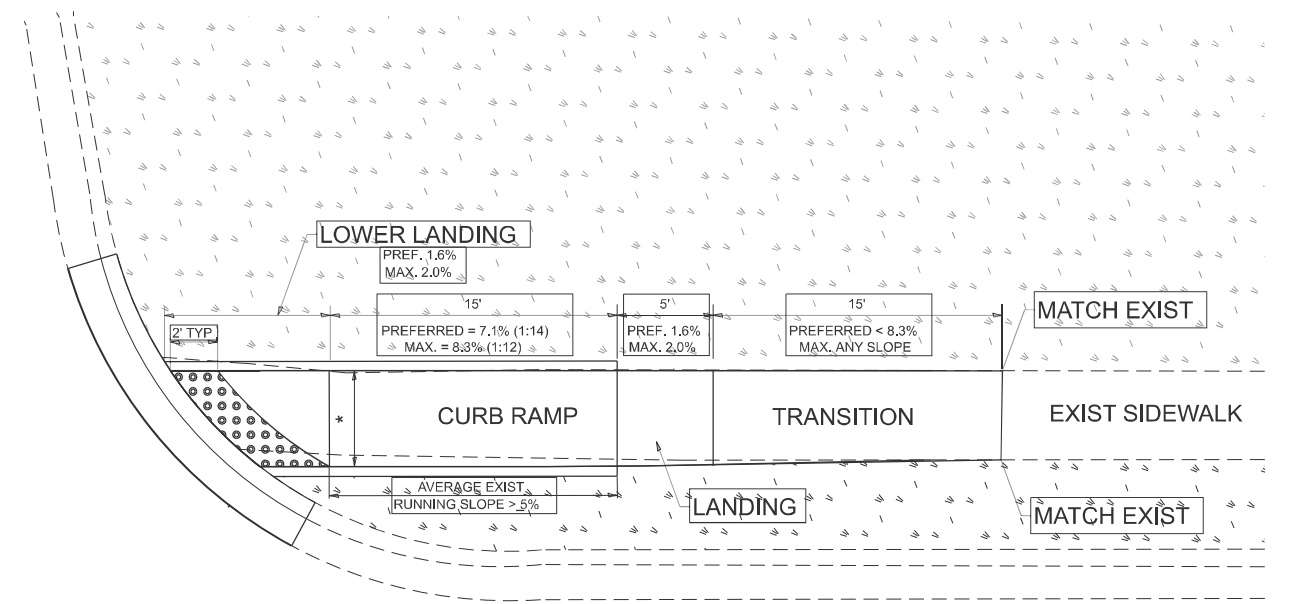
PD-02A



PD-02B



PD-02C



LEGEND

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

CONSTRUCTION NOTES:

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

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USER NAME = fritz.gulllaume	DESIGNED -	REVISED -
	DRAWN - R. LEDEZMA	REVISED -
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PLOT DATE = 3/26/2026	DATE = 10/02/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

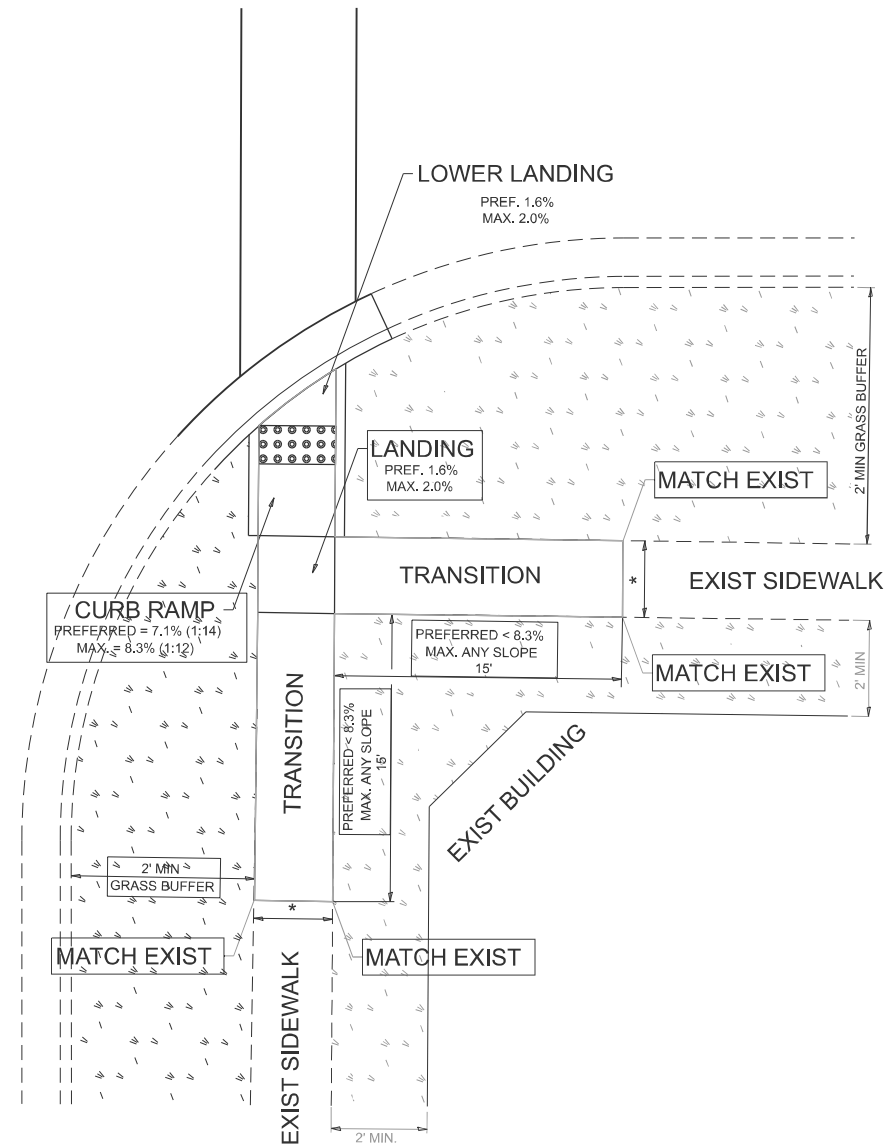
PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS
(PD-02)

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

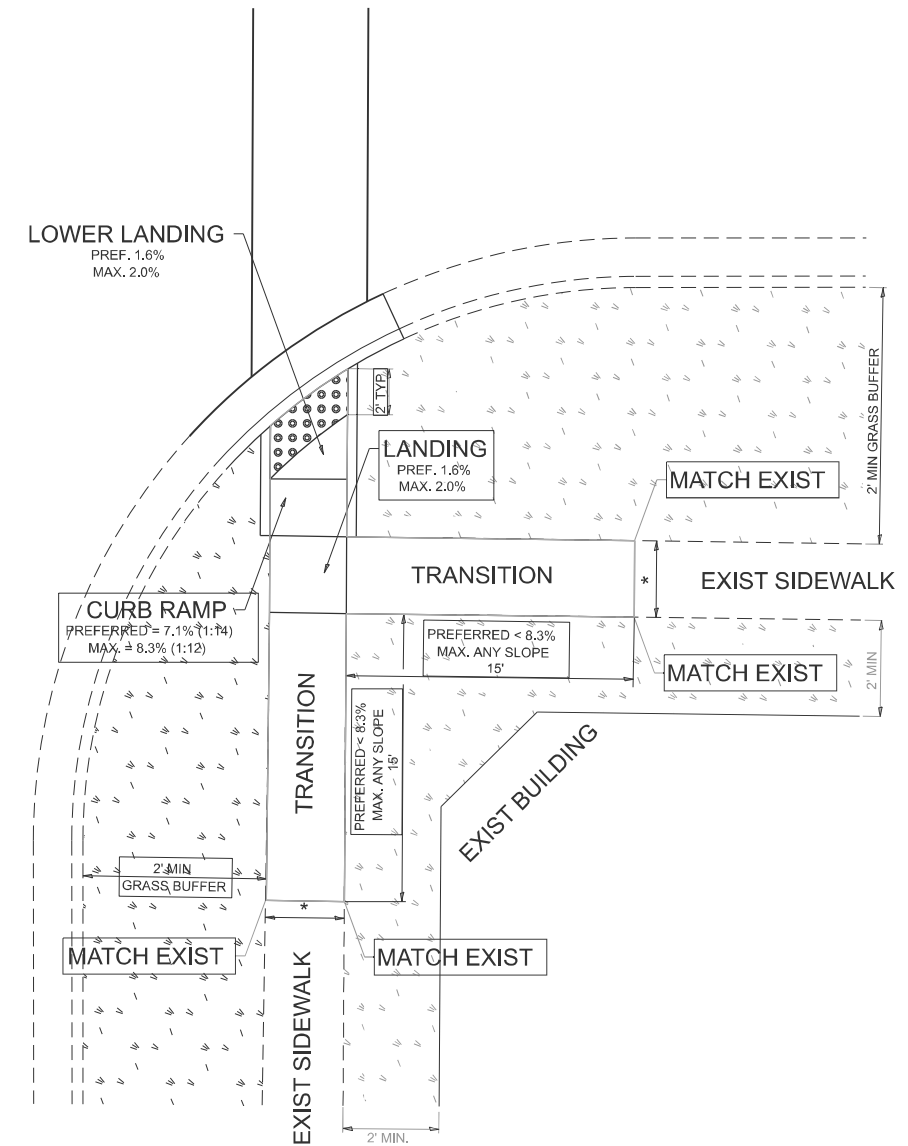
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305	2025-2046-RS	COOK	34	32
PD-02		CONTRACT NO. 80B87		
ILLINOIS FED. AID PROJECT				

ADA DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS W/ TURNING SPACE

PD-04A



PD-04B



LEGEND

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

CONSTRUCTION NOTES:

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

MODEL: PD-4 (Sheet)
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	DRAWN - R. LEDEZMA	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/26/2026	DATE - 10/02/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

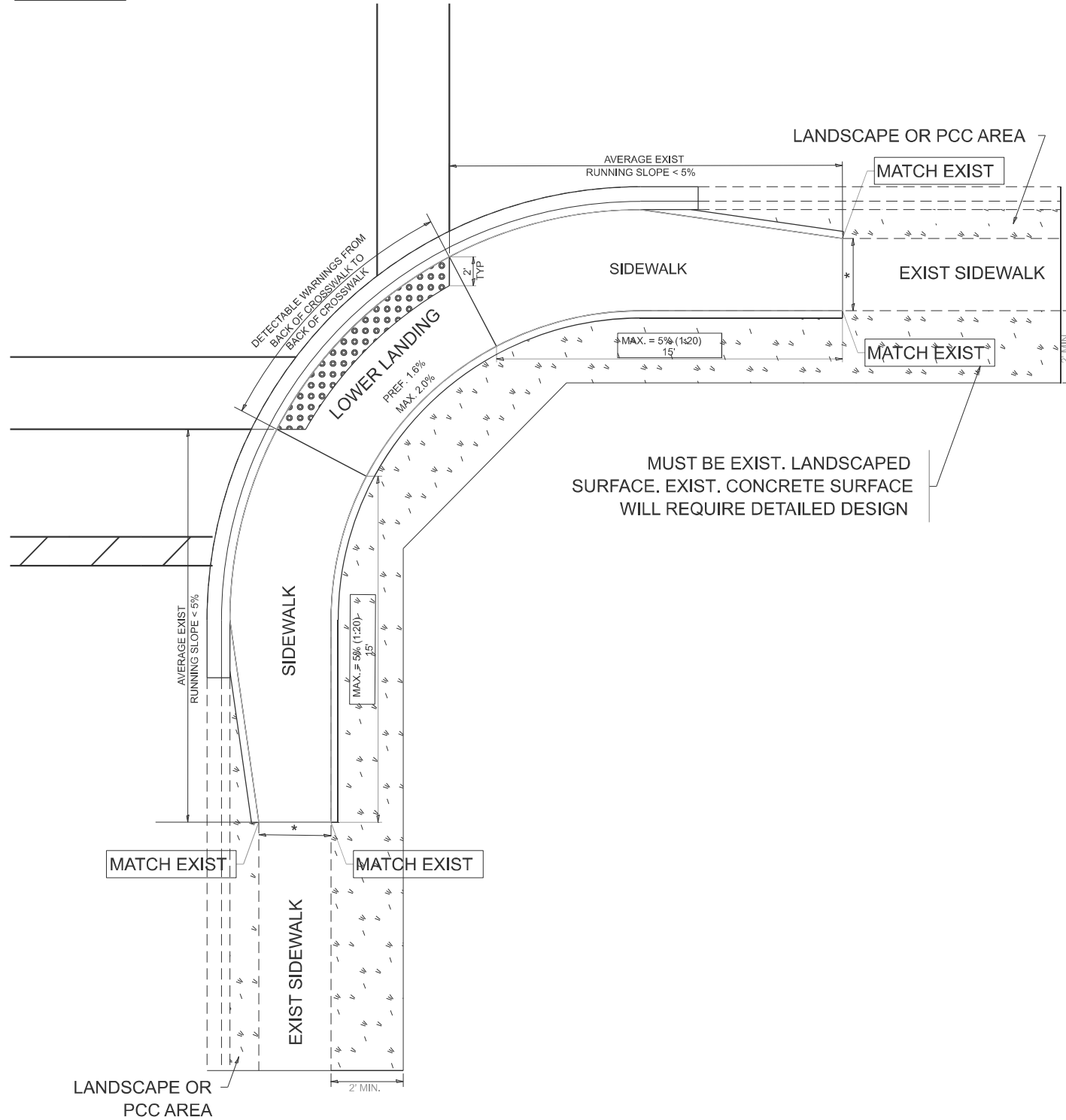
PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS WITH
TURNING SPACE (PD-04)

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

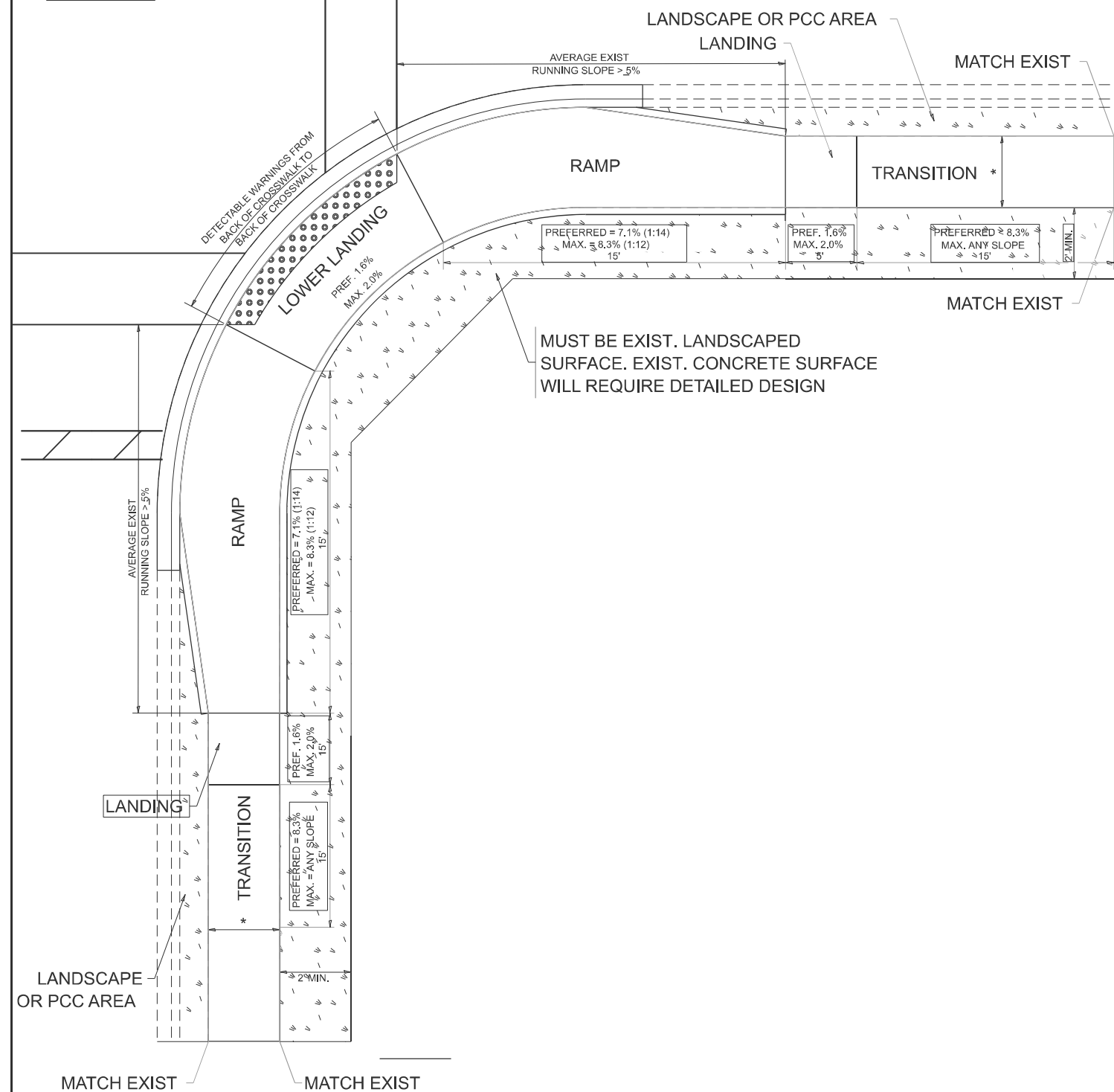
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	2025-2046-RS	COOK	34	33
PD-04		CONTRACT NO. 80B87		
ILLINOIS FED. AID PROJECT				

ADA DETAIL FOR PARALLEL CURB RAMPS ADJACENT TO LANDSCAPING

PD-06A



PD-06B



LEGEND

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

CONSTRUCTION NOTES:

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

MODEL: Pd-5 (Sheet)
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	DRAWN - R. LEDEZMA	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/26/2026	DATE = 10/02/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	2025-2046-RS	COOK	34	34
PD-06		CONTRACT NO. 80B87		
ILLINOIS FED. AID PROJECT				