

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344A	2021-042-CJS	COOK	37	1
		ILLINOIS	CONTRACT NO. 62N68	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

DESIGN DESIGNATION:

IL 83 = PRINCIPAL ARTERIAL

ADT: 2019

IL 83 = 10,150 TO 18,200

POSTED SPEED:

IL 83 = 35 MPH TO 55 MPH

PROPOSED
HIGHWAY PLANS

F.A.P. ROUTE 344: (IL ROUTE 83)
SECTION 2021-042-CJS
CRACK AND JOINT SEALING
COOK COUNTY

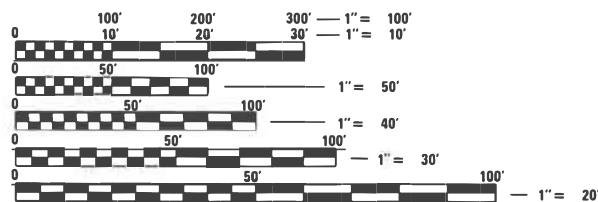
THE IMPROVEMENTS ARE LOCATED IN THE CITY OF PALOS HILLS, THE CITY OF PALOS HEIGHTS, THE VILLAGE OF ALSIP, AND THE CITY OF PALOS PARK.

BRIDGE OMISSION
STA. 150+60.57
TO STA. 151+81.18

BRIDGE OMISSION
STA. 222+78.77
TO STA. 224+66.30

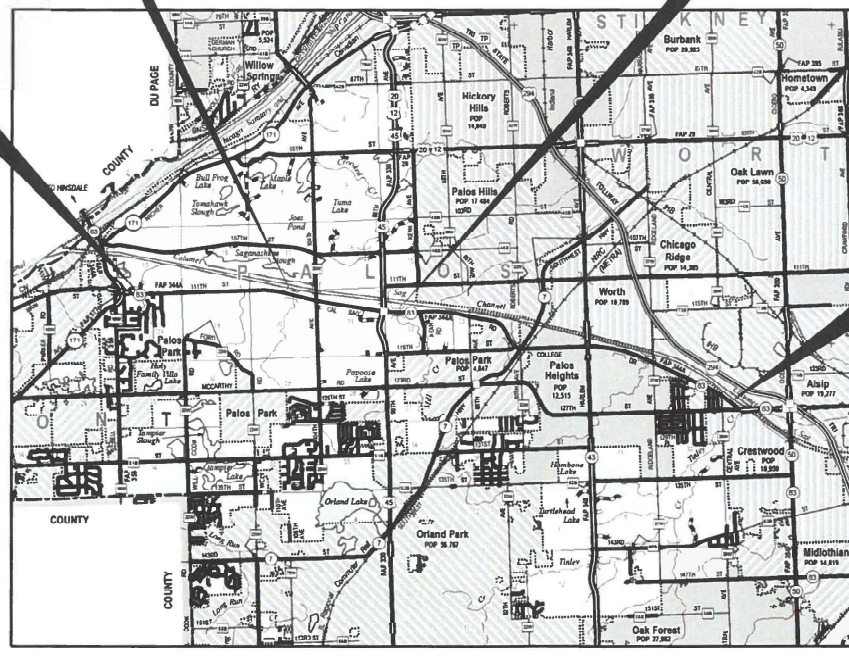
BEGIN IMPROVEMENTS
IL ROUTE 83
STA. 29+57.85

END IMPROVEMENTS
IL ROUTE 83
STA. 518+73.22



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

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



PALOS TOWNSHIP, LEMONT TOWNSHIP, AND WORTH TOWNSHIP
LOCATION MAP
SCALE = N.T.S.

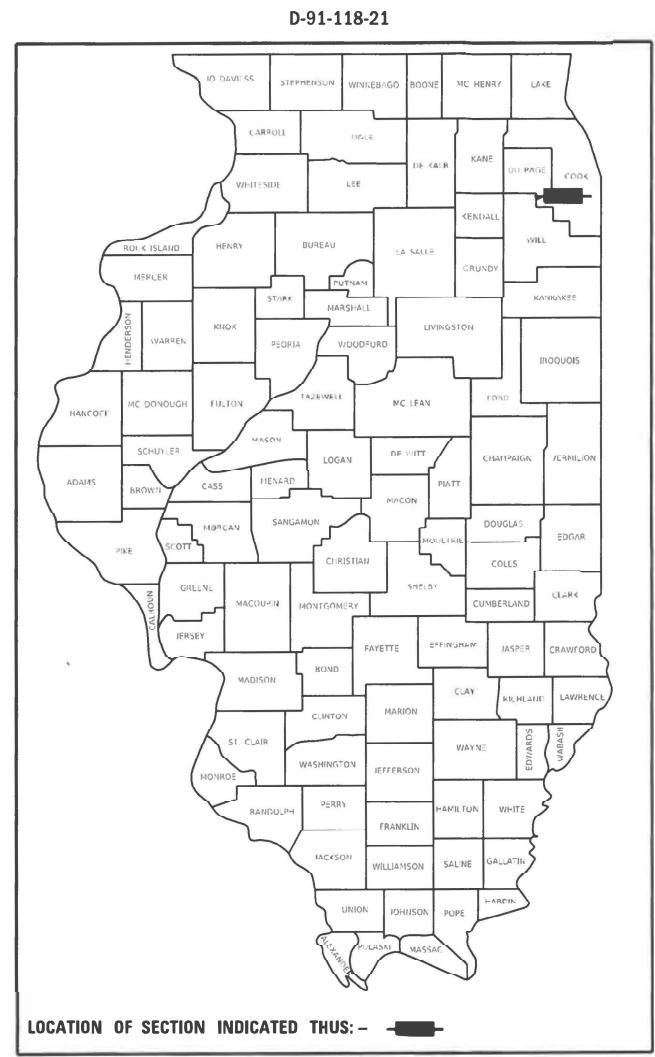
GROSS LENGTH = 48,915.37 FT. = 9.26 MILE
NET LENGTH = 48,607.23 FT. = 9.21 MILE

PROJECT ENGINEER: DAN WILGREEN (847) 705-4240
PROJECT MANAGER: FAWAD AQUEEL

CONTRACT NO. 62N68



BY: *D. Priddy* DATE: 6/1/2022
HDR ENGINEERING, INC.
DWGS. SHEETS 1 TO 34
LICENSE EXPIRES NOV. 30, 2023



LOCATION OF SECTION INDICATED THIS: - [Red Box]

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED JUNE 2 2022
Jose Rio Cas
REGIONAL ENGINEER

July 1, 2022 [Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

July 1, 2022 [Signature]
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

HDR
HDR Engineering, Inc.
9450 W. Bryn Mawr Ave., Suite 400
Rosemont, IL 60018
773-380-7900
DESIGN FIRM REGISTRATION NUMBER 184.001070

INDEX OF SHEETS

DRAWING NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS, HIGHWAY STANDARDS AND GENERAL NOTES
3	SUMMARY OF QUANTITIES
4 TO 21	PROPOSED ROADWAY AND PAVEMENT MARKING PLANS
22 TO 29	EXISTING TRAFFIC SIGNAL PLANS
30	CRACK & JOINT SEALING DETAIL (PD-11)
31	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS (TC-10)
32	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT) (TC-11)
33	DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13)
34	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) (TC-14)
35	SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS (TC-16)
36	TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES (TC-17)
37	ARTERIAL ROAD INFORMATION SIGN (TC-22)

HIGHWAY STANDARDS

STANDARD NO.	TITLE
000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
442201-03	CLASS C AND D PATCHES
701011-04	OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-04	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS > 45 MPH
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS = 45 MPH
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS = 40 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		
MIXTURE TYPE	AIR VOIDS @ NDES	QMP
CLASS D PATCHING (SPECIAL)		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX D, N70; TOP 2"	4.0% @ 70 GYR	QC/QA
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	4.0% @ 70 GYR	QC/QA
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA); QUALITY CONTROL FOR PERFORMANCE (QCP)		

NOTES FOR HMA MIXTURE REQUIREMENTS:

- THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT 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.

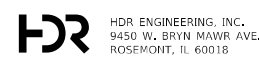
GENERAL NOTES

- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL J.U.L.I.E. AT 1-800-892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS FACILITIES. (48 HOUR NOTIFICATION IS REQUIRED)
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, THE VILLAGE OF ALSIP, CITY OF PALOS HILLS, CITY OF PALOS HEIGHTS, THE PALOS TOWNSHIP, WORTH TOWNSHIP, LEMONT TOWNSHIP, AND CITY OF PALOS PARK.
- ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT NO ADDITIONAL COST OF THE DEPARTMENT.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- IT SHALL BE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- THE CONTRACTOR SHALL CONTACT EMAD ALHUSSEINI, AREA TRAFFIC FIELD ENGINEER, AT EMAD.ALHUSSEINI@ILLINOIS.GOV AT LEAST TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- ALL CRACK ROUTING & CRACK SEALING AND PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER. CRACK ROUTING SHALL BE OMITTED WHERE VEHICLE DETECTOR LOOPS & RAISED REFLECTIVE PAVEMENT MARKERS ARE PRESENT IN PAVEMENT.
- MATERIALS RESULTING FROM THE ROUTING OF CRACKS IN THE EXISTING PAVEMENT MAY BE PLACED, SHAPED AND COMPACTED TO THE SATISFACTION OF THE ENGINEER ALONG EXISTING AGGREGATE SHOULDERS ADJACENT TO THE PAVEMENT. ALL MATERIALS RESULTING FROM THE ROUTING OF CRACKS IN PAVEMENTS WITHOUT AGGREGATE SHOULDERS AND SURPLUS MATERIALS RESULTING FROM THE ROUTING OF CRACKS IN PAVEMENTS WITH AGGREGATE SHOULDERS, WHERE ALL MATERIALS ARE NOT PLACED ALONG EXISTING AGGREGATE SHOULDERS, SHALL BE DISPOSED OF AS SPECIFIED IN ARTICLE 202.03 OF STANDARD SPECIFICATIONS.
- MODIFIED URETHANE PAVEMENT MARKING SHALL BE PLACED IMMEDIATELY AFTER C & J SEALER TEMPERATURE HAS COOLED DOWN AND DOES NOT AFFECT THE APPLICATION OF THE MODIFIED URETHANE PAVEMENT MARKING.
- DURING CONSTRUCTION OPERATIONS, IF ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES SUCH THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, THE MATERIAL SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF OPERATION, ALL UTILITY STRUCTURES SHALL BE FREE FROM DUST AND DEBRIS. THE WORK SPECIFIED ABOVE WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE CONTRACT.
- DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.
- THE EXISTING TRAFFIC SIGNAL PLANS ARE PROVIDED FOR REFERENCE ONLY.
- ALL CLASS D PATCH LOCATIONS AND RAISED REFLECTOR PAVEMENT MARKERS TO BE REMOVED AND REPLACED WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

COMMITMENTS

NONE

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 PLOT SCALE: 100,0000 ' / in.
 PLOT DATE: 6/9/2022



HDR ENGINEERING, INC.
9450 W. BRYN MAWR AVE.
ROSEMONT, IL 60018

USER NAME	DESIGNED	REVISIONS
= ANAGY	-	-
	DRAWN - YP	REVISIONS -
	CHECKED - DP	REVISIONS -
	DATE - 6/9/2022	REVISIONS -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 83
INDEX OF SHEETS, HIGHWAY STANDARDS AND GENERAL NOTES

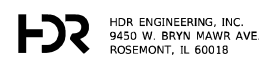
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344A	2021-042-CIS	COOK	37	2
				CONTRACT NO. 62N68
		ILLINOIS	FED. AID PROJECT	

CODE NO.	DESCRIPTION	UNIT	TOTAL QUANTITY URBAN	0005 100% STATE	
45100100	CRACK ROUTING (PAVEMENT)	FOOT	108,610	108,610	
45100200	CRACK FILLING	POUND	31,030	31,030	
67100100	MOBILIZATION	L SUM	1	1	
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1	
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1	
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1	
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1	
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1	
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1	
*	78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	1,737	1,737
*	78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	184,978	184,978
*	78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	8,126	8,126
*	78009008	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	FOOT	981	981
*	78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	5,008	5,008
*	78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	1,111	1,111
*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	20	20
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	20	20
	X4421825	CLASS D PATCHES, TYPE I, 9 INCH (SPECIAL)	SQ YD	100	100

CODE NO.	DESCRIPTION	UNIT	TOTAL QUANTITY URBAN	0005 100% STATE
X4421826	CLASS D PATCHES, TYPE II, 9 INCH (SPECIAL)	SQ YD	100	100
X4421827	CLASS D PATCHES, TYPE IV, 9 INCH (SPECIAL)	SQ YD	100	100
X4421829	CLASS D PATCHES, TYPE III, 9 INCH (SPECIAL)	SQ YD	100	100
X6700407	ENGINEER'S FIELD OFFICE, TYPE A (D1)	CAL MO	12	12
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	51	51
Ø Z0076604	TRAINEES - TRAINING PROGRAM GRADUATE	HOURS	500	500

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	DATE - 6/9/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 83
SUMMARY OF QUANTITIES**

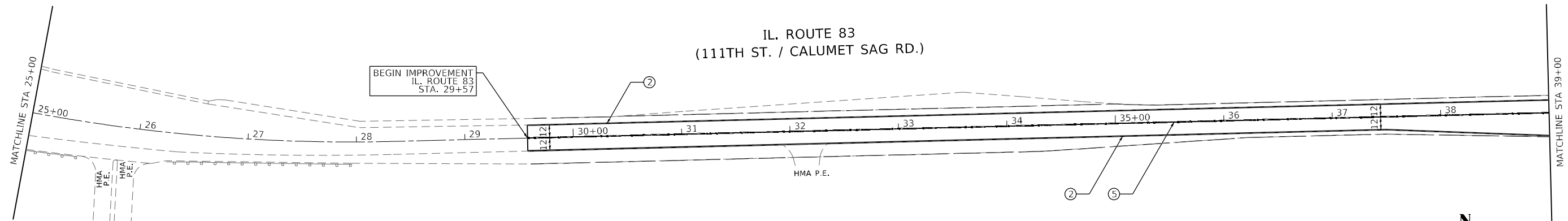
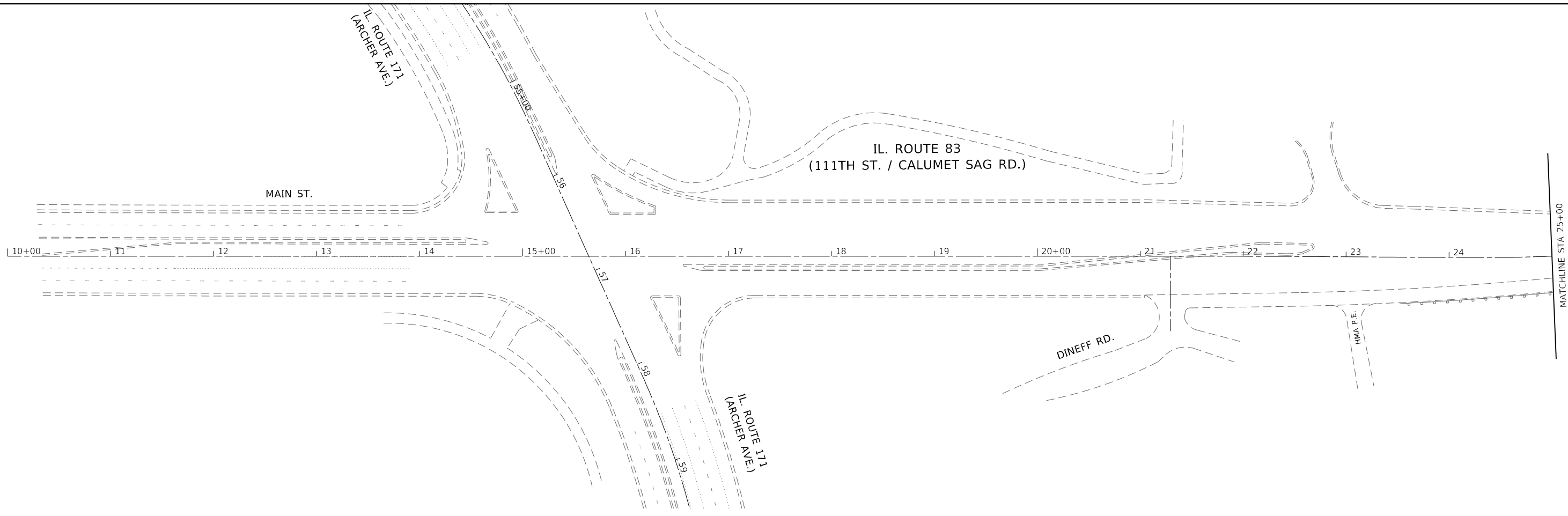
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CONTRACT NO. 62N68				
ILLINOIS FED. AID PROJECT				

LEGEND

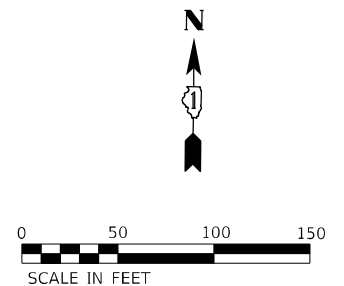
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LEGEND

- ① MODIFIED URETHANE PAVEMENT MARKING LETTERS AND SYMBOLS
- ② MODIFIED URETHANE PAVEMENT MARKING LINE 4", WHITE (SOLID) (TYP.)
- ③ MODIFIED URETHANE PAVEMENT MARKING LINE 4", WHITE (10' DASH 30' SKIP) (TYP.)
- ④ MODIFIED URETHANE PAVEMENT MARKING LINE 4", YELLOW (SOLID) (TYP.)
- ⑤ MODIFIED URETHANE PAVEMENT MARKING LINE 4", YELLOW (DOUBLE SOLID 11" C-C) (TYP.)
- ⑥ MODIFIED URETHANE PAVEMENT MARKING LINE 4", YELLOW (10' DASH 30' SKIP) (TYP.)
- ⑦ MODIFIED URETHANE PAVEMENT MARKING LINE 4", YELLOW (SOLID & SKIP DASH, 5 1/2" C-C) (SEE DISTRICT DETAIL TC-13 FOR SPACING) (TYP.)
- ⑧ MODIFIED URETHANE PAVEMENT MARKING LINE 6", WHITE (SOLID) (TYP.)
- ⑨ MODIFIED URETHANE PAVEMENT MARKING LINE 6", WHITE (2' DASH 6' SKIP) (TYP.)
- ⑩ MODIFIED URETHANE PAVEMENT MARKING LINE 8", WHITE (SOLID) (TYP.)
- ⑪ MODIFIED URETHANE PAVEMENT MARKING LINE 12", WHITE (SOLID) (TYP.)
- ⑫ MODIFIED URETHANE PAVEMENT MARKING LINE 12", WHITE (SOLID 45° DIAGONAL 3' O.C.) (TYP.)
- ⑬ MODIFIED URETHANE PAVEMENT MARKING LINE 12", WHITE (SOLID 45° DIAGONAL 10' OR LESS SPACING) (TYP.)
- ⑭ MODIFIED URETHANE PAVEMENT MARKING LINE 12", WHITE (SOLID 45° DIAGONAL 75' SPACING OR MATCH EXISTING) (TYP.)
- ⑮ MODIFIED URETHANE PAVEMENT MARKING LINE 12", YELLOW (SOLID 45° DIAGONAL 75' SPACING OR MATCH EXISTING) (TYP.)
- ⑯ MODIFIED URETHANE PAVEMENT MARKING LINE 24", WHITE (SOLID) (TYP.)

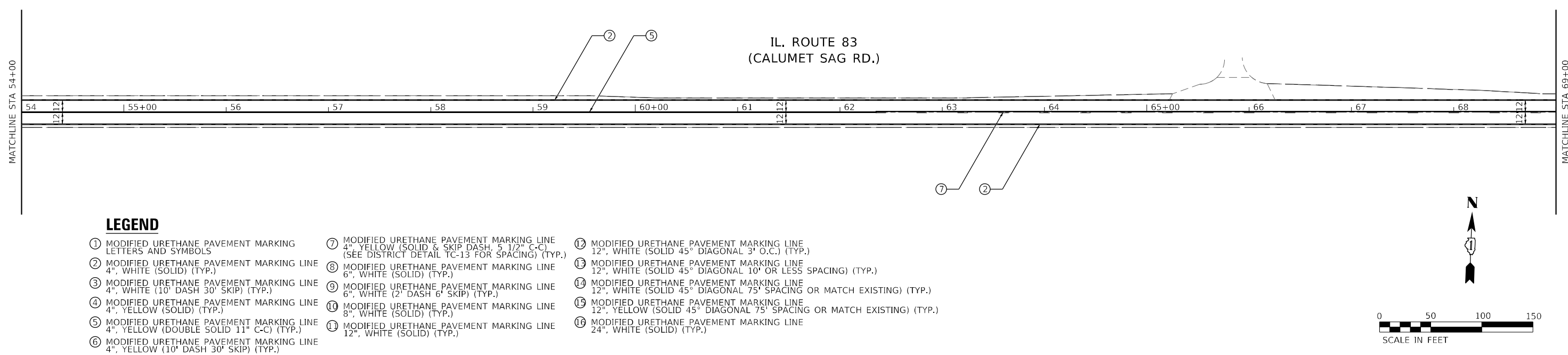
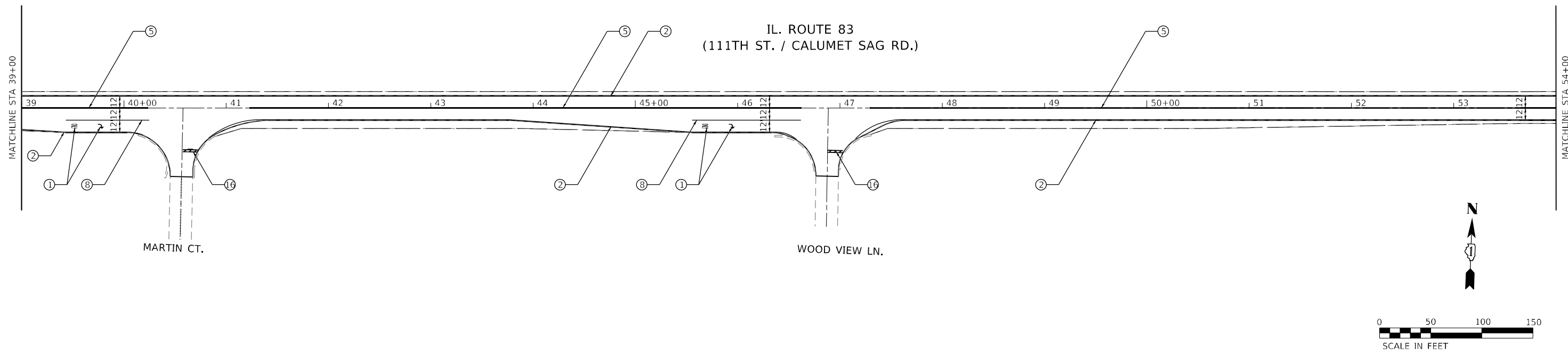


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PLOT DATE = 6/9/2022	CHECKED - DP	REVISED -
	DATE - 6/9/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL 83 (IL 171 TO 127TH STREET) PROPOSED ROADWAY AND PAVEMENT MARKING PLANS			
SCALE: 1"=50'	SHEET 1 OF 18 SHEETS	STA. 10+00	TO STA. 39+00

F.A.P. RTE. 344A	SECTION 2021-042-CIS	COUNTY COOK	TOTAL SHEETS 37	SHEET NO. 4
CONTRACT NO. 62N68				
ILLINOIS FED. AID PROJECT				



LEGEND

- ① MODIFIED URETHANE PAVEMENT MARKING LETTERS AND SYMBOLS
- ② MODIFIED URETHANE PAVEMENT MARKING LINE 4", WHITE (SOLID) (TYP.)
- ③ MODIFIED URETHANE PAVEMENT MARKING LINE 4", WHITE (10' DASH 30' SKIP) (TYP.)
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- ⑤ MODIFIED URETHANE PAVEMENT MARKING LINE 4", YELLOW (DOUBLE SOLID 11" C-C) (TYP.)
- ⑥ MODIFIED URETHANE PAVEMENT MARKING LINE 4", YELLOW (10' DASH 30' SKIP) (TYP.)
- ⑦ MODIFIED URETHANE PAVEMENT MARKING LINE 4", YELLOW (SOLID & SKIP DASH, 5 1/2" C-C) (SEE DISTRICT DETAIL TC-13 FOR SPACING) (TYP.)
- ⑧ MODIFIED URETHANE PAVEMENT MARKING LINE 6", WHITE (SOLID) (TYP.)
- ⑨ MODIFIED URETHANE PAVEMENT MARKING LINE 6", WHITE (2' DASH 6' SKIP) (TYP.)
- ⑩ MODIFIED URETHANE PAVEMENT MARKING LINE 8", WHITE (SOLID) (TYP.)
- ⑪ MODIFIED URETHANE PAVEMENT MARKING LINE 12", WHITE (SOLID) (TYP.)
- ⑫ MODIFIED URETHANE PAVEMENT MARKING LINE 12", WHITE (SOLID 45° DIAGONAL 3' O.C.) (TYP.)
- ⑬ MODIFIED URETHANE PAVEMENT MARKING LINE 12", WHITE (SOLID 45° DIAGONAL 10' OR LESS SPACING) (TYP.)
- ⑭ MODIFIED URETHANE PAVEMENT MARKING LINE 12", WHITE (SOLID 45° DIAGONAL 75' SPACING OR MATCH EXISTING) (TYP.)
- ⑮ MODIFIED URETHANE PAVEMENT MARKING LINE 12", YELLOW (SOLID 45° DIAGONAL 75' SPACING OR MATCH EXISTING) (TYP.)
- ⑯ MODIFIED URETHANE PAVEMENT MARKING LINE 24", WHITE (SOLID) (TYP.)

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 PLOT SCALE: 1"=50'
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 SHEET: 2 OF 18 SHEETS
 CONTRACT NO. 62N68

HDR
 HDR ENGINEERING, INC.
 9450 W. BRYN MAWR AVE.
 ROSEMONT, IL 60018

USER NAME = ANAGY	DESIGNED -	REVISED -
DRAWN - YJP	REVISOR -	
CHECKED - DP	REVISOR -	
DATE - 6/9/2022	REVISOR -	

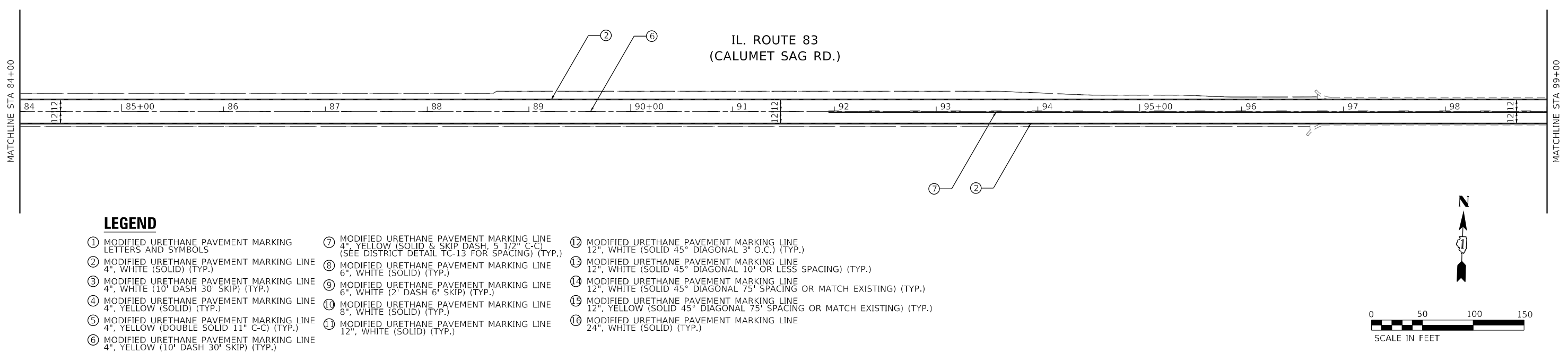
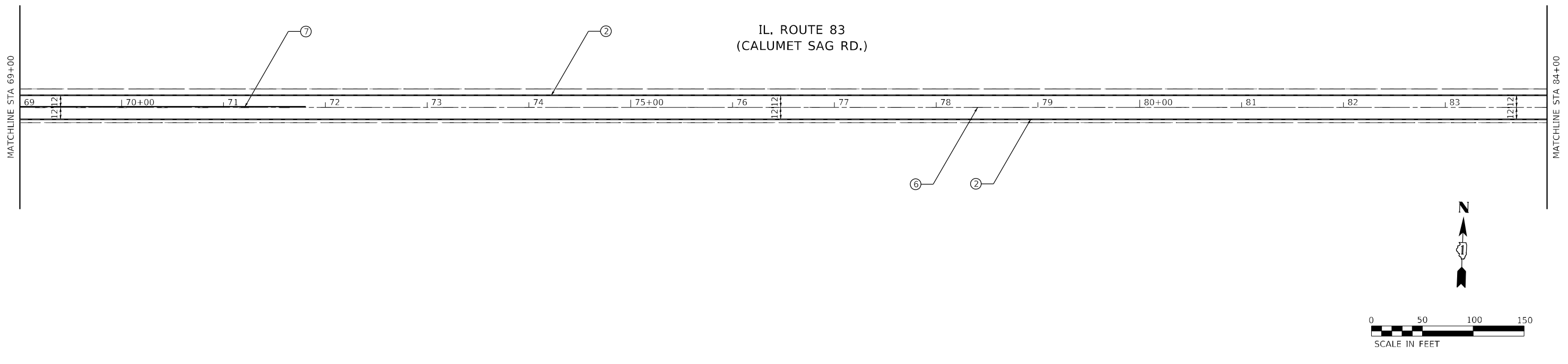
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL 83 (IL 171 TO 127TH STREET)
 PROPOSED ROADWAY AND PAVEMENT MARKING PLANS**

SCALE: 1"=50' SHEET 2 OF 18 SHEETS STA. 39+00 TO STA. 69+00

F.A.P. RTE. 344A	SECTION 2021-042-CIS	COUNTY COOK	TOTAL SHEETS 37	SHEET NO. 5
CONTRACT NO. 62N68				
ILLINOIS FED. AID PROJECT				

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LEGEND

- | | | |
|--|---|---|
| ① MODIFIED URETHANE PAVEMENT MARKING LETTERS AND SYMBOLS | ⑦ MODIFIED URETHANE PAVEMENT MARKING LINE 4", YELLOW (SOLID & SKIP DASH, 5 1/2" C-C) (SEE DISTRICT DETAIL TC-13 FOR SPACING) (TYP.) | ⑬ MODIFIED URETHANE PAVEMENT MARKING LINE 12", WHITE (SOLID 45° DIAGONAL 3' O.C.) (TYP.) |
| ② MODIFIED URETHANE PAVEMENT MARKING LINE 4", WHITE (SOLID) (TYP.) | ⑧ MODIFIED URETHANE PAVEMENT MARKING LINE 6", WHITE (SOLID) (TYP.) | ⑭ MODIFIED URETHANE PAVEMENT MARKING LINE 12", WHITE (SOLID 45° DIAGONAL 10' OR LESS SPACING) (TYP.) |
| ③ MODIFIED URETHANE PAVEMENT MARKING LINE 4", WHITE (10' DASH 30' SKIP) (TYP.) | ⑨ MODIFIED URETHANE PAVEMENT MARKING LINE 6", WHITE (2' DASH 6' SKIP) (TYP.) | ⑮ MODIFIED URETHANE PAVEMENT MARKING LINE 12", WHITE (SOLID 45° DIAGONAL 75' SPACING OR MATCH EXISTING) (TYP.) |
| ④ MODIFIED URETHANE PAVEMENT MARKING LINE 4", YELLOW (SOLID) (TYP.) | ⑩ MODIFIED URETHANE PAVEMENT MARKING LINE 8", WHITE (SOLID) (TYP.) | ⑯ MODIFIED URETHANE PAVEMENT MARKING LINE 12", YELLOW (SOLID 45° DIAGONAL 75' SPACING OR MATCH EXISTING) (TYP.) |
| ⑤ MODIFIED URETHANE PAVEMENT MARKING LINE 4", YELLOW (DOUBLE SOLID 11" C-C) (TYP.) | ⑪ MODIFIED URETHANE PAVEMENT MARKING LINE 12", WHITE (SOLID) (TYP.) | ⑰ MODIFIED URETHANE PAVEMENT MARKING LINE 24", WHITE (SOLID) (TYP.) |
| ⑥ MODIFIED URETHANE PAVEMENT MARKING LINE 4", YELLOW (10' DASH 30' SKIP) (TYP.) | | |

HDR ENGINEERING, INC.
 9450 W. BRYN MAWR AVE.
 ROSEMONT, IL 60018

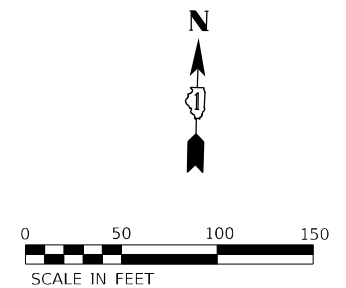
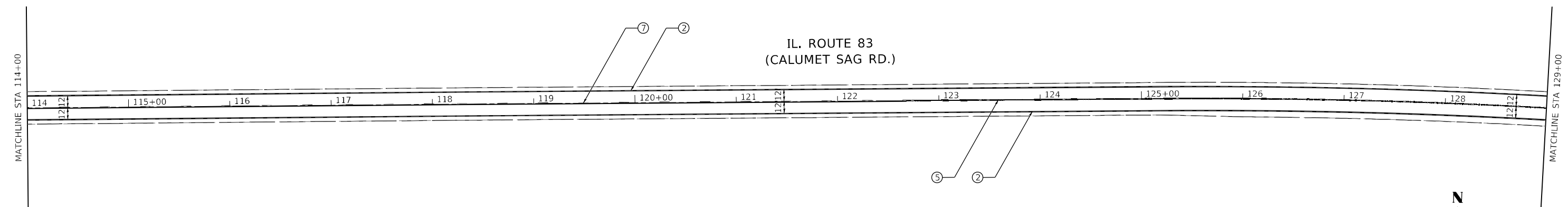
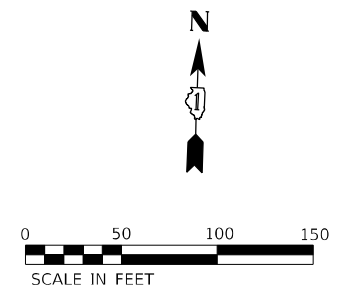
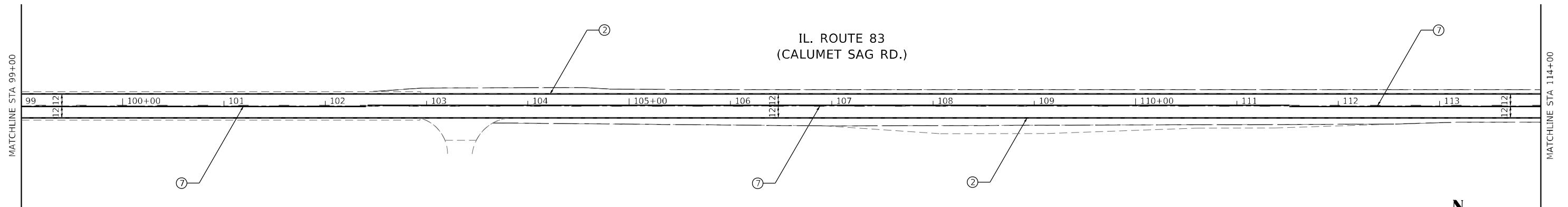
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	DATE - 6/9/2022	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL 83 (IL 171 TO 127TH STREET)
 PROPOSED ROADWAY AND PAVEMENT MARKING PLANS**

SCALE: 1"=50' SHEET 3 OF 18 SHEETS STA. 69+00 TO STA. 99+00

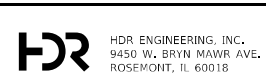
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344A	2021-042-CIS	COOK	37	6
CONTRACT NO. 62N68				
ILLINOIS FED. AID PROJECT				



LEGEND

- ① MODIFIED URETHANE PAVEMENT MARKING LETTERS AND SYMBOLS
- ② MODIFIED URETHANE PAVEMENT MARKING LINE 4", WHITE (SOLID) (TYP.)
- ③ MODIFIED URETHANE PAVEMENT MARKING LINE 4", WHITE (10' DASH 30' SKIP) (TYP.)
- ④ MODIFIED URETHANE PAVEMENT MARKING LINE 4", YELLOW (SOLID) (TYP.)
- ⑤ MODIFIED URETHANE PAVEMENT MARKING LINE 4", YELLOW (DOUBLE SOLID 11" C-C) (TYP.)
- ⑥ MODIFIED URETHANE PAVEMENT MARKING LINE 4", YELLOW (10' DASH 30' SKIP) (TYP.)
- ⑦ MODIFIED URETHANE PAVEMENT MARKING LINE 4", YELLOW (SOLID & SKIP DASH, 5 1/2" C-C) (SEE DISTRICT DETAIL TC-13 FOR SPACING) (TYP.)
- ⑧ MODIFIED URETHANE PAVEMENT MARKING LINE 6", WHITE (SOLID) (TYP.)
- ⑨ MODIFIED URETHANE PAVEMENT MARKING LINE 6", WHITE (2' DASH 6' SKIP) (TYP.)
- ⑩ MODIFIED URETHANE PAVEMENT MARKING LINE 8", WHITE (SOLID) (TYP.)
- ⑪ MODIFIED URETHANE PAVEMENT MARKING LINE 12", WHITE (SOLID) (TYP.)
- ⑫ MODIFIED URETHANE PAVEMENT MARKING LINE 12", WHITE (SOLID 45° DIAGONAL 3' O.C.) (TYP.)
- ⑬ MODIFIED URETHANE PAVEMENT MARKING LINE 12", WHITE (SOLID 45° DIAGONAL 10' OR LESS SPACING) (TYP.)
- ⑭ MODIFIED URETHANE PAVEMENT MARKING LINE 12", WHITE (SOLID 45° DIAGONAL 75' SPACING OR MATCH EXISTING) (TYP.)
- ⑮ MODIFIED URETHANE PAVEMENT MARKING LINE 12", YELLOW (SOLID 45° DIAGONAL 75' SPACING OR MATCH EXISTING) (TYP.)
- ⑯ MODIFIED URETHANE PAVEMENT MARKING LINE 24", WHITE (SOLID) (TYP.)

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 FILE: 344A_Plan_ProposedRoadway.dwg
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 PLOT DATE: 6/9/2022



USER NAME = ANAGY	DESIGNED -	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - YJP	REVISED -
PLOT DATE = 6/9/2022	CHECKED - DP	REVISED -
	DATE - 6/9/2022	REVISED -

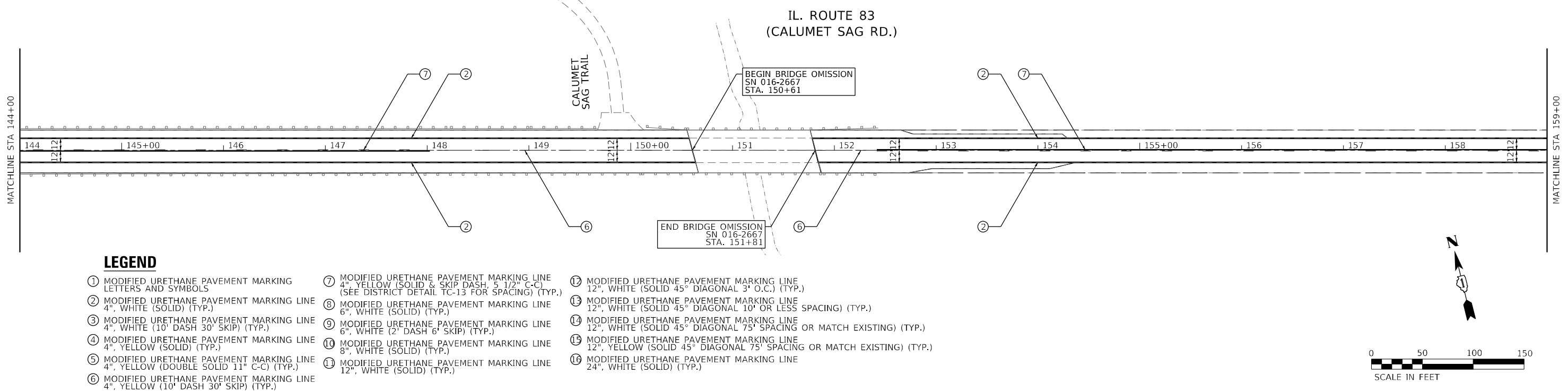
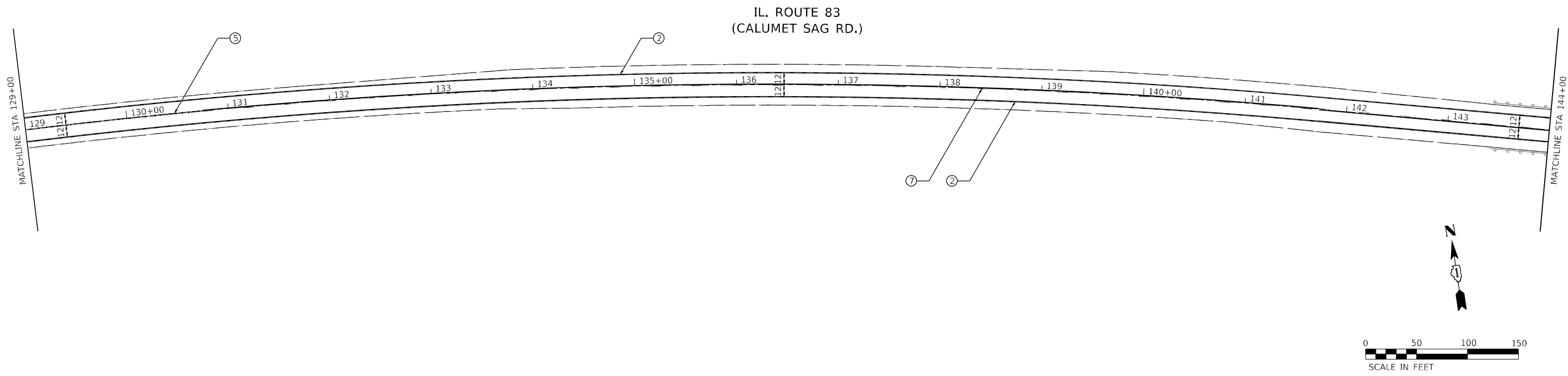
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 83 (IL 171 TO 127TH STREET)
PROPOSED ROADWAY AND PAVEMENT MARKING PLANS**

SCALE: 1"=50' SHEET 4 OF 18 SHEETS STA. 99+00 TO STA. 129+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344A	2021-042-CIS	COOK	37	7
CONTRACT NO. 62N68				
ILLINOIS FED. AID PROJECT				

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LEGEND

- ① MODIFIED URETHANE PAVEMENT MARKING LETTERS AND SYMBOLS
- ② MODIFIED URETHANE PAVEMENT MARKING LINE 4", WHITE (SOLID) (TYP.)
- ③ MODIFIED URETHANE PAVEMENT MARKING LINE 4", WHITE (10' DASH 30' SKIP) (TYP.)
- ④ MODIFIED URETHANE PAVEMENT MARKING LINE 4", YELLOW (SOLID) (TYP.)
- ⑤ MODIFIED URETHANE PAVEMENT MARKING LINE 4", YELLOW (DOUBLE SOLID 11" C-C) (TYP.)
- ⑥ MODIFIED URETHANE PAVEMENT MARKING LINE 4", YELLOW (10' DASH 30' SKIP) (TYP.)
- ⑦ MODIFIED URETHANE PAVEMENT MARKING LINE 4", YELLOW (SOLID & SKIP DASH, 5 1/2" C-C) (SEE DISTRICT DETAIL TC-13 FOR SPACING) (TYP.)
- ⑧ MODIFIED URETHANE PAVEMENT MARKING LINE 6", WHITE (SOLID) (TYP.)
- ⑨ MODIFIED URETHANE PAVEMENT MARKING LINE 4", WHITE (2' DASH 6' SKIP) (TYP.)
- ⑩ MODIFIED URETHANE PAVEMENT MARKING LINE 8", WHITE (SOLID) (TYP.)
- ⑪ MODIFIED URETHANE PAVEMENT MARKING LINE 12", WHITE (SOLID) (TYP.)
- ⑫ MODIFIED URETHANE PAVEMENT MARKING LINE 12", WHITE (SOLID 45° DIAGONAL 3' O.C.) (TYP.)
- ⑬ MODIFIED URETHANE PAVEMENT MARKING LINE 12", WHITE (SOLID 45° DIAGONAL 10' OR LESS SPACING) (TYP.)
- ⑭ MODIFIED URETHANE PAVEMENT MARKING LINE 12", WHITE (SOLID 45° DIAGONAL 75' SPACING OR MATCH EXISTING) (TYP.)
- ⑮ MODIFIED URETHANE PAVEMENT MARKING LINE 12", YELLOW (SOLID 45° DIAGONAL 75' SPACING OR MATCH EXISTING) (TYP.)
- ⑯ MODIFIED URETHANE PAVEMENT MARKING LINE 24", WHITE (SOLID) (TYP.)

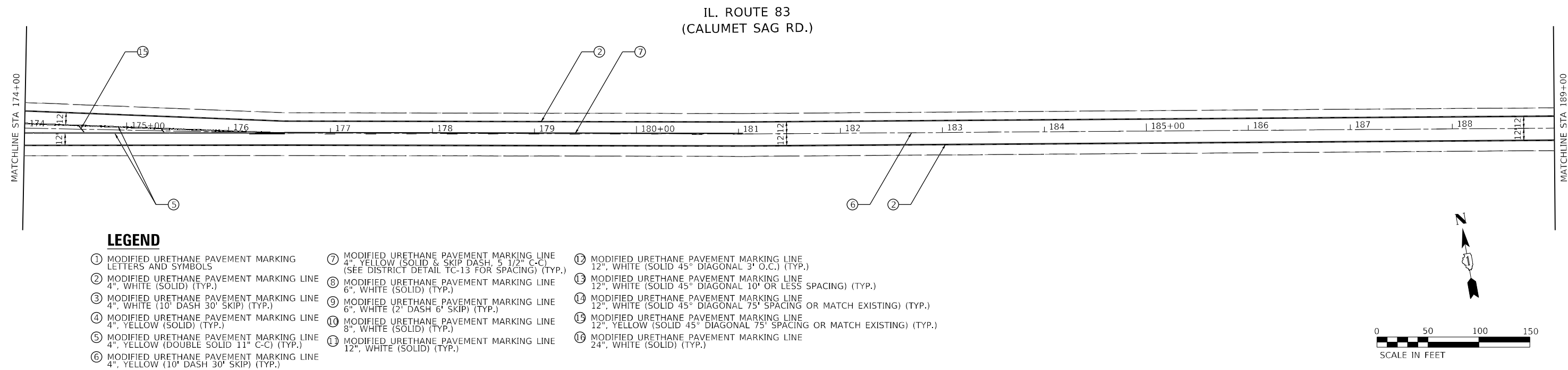
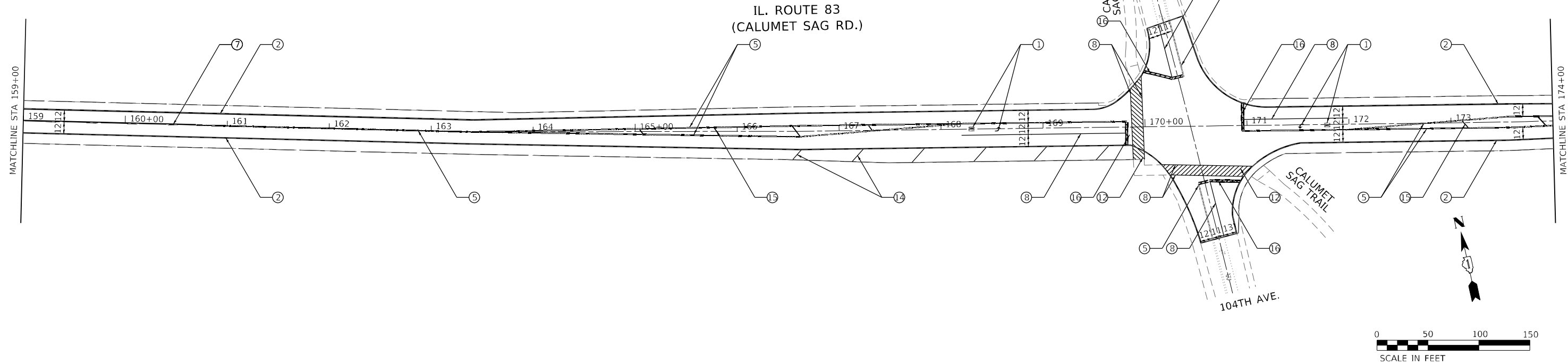


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PLOT DATE = 6/9/2022	DATE - 6/9/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL 83 (IL 171 TO 127TH STREET) PROPOSED ROADWAY AND PAVEMENT MARKING PLANS	
SCALE: 1"=50'	SHEET 5 OF 18 SHEETS
STA. 129+00	TO STA. 159+00

F.A.P. RTE. 344A	SECTION 2021-042-CIS	COUNTY COOK	TOTAL SHEETS 37	SHEET NO. 8
CONTRACT NO. 62N68				
ILLINOIS FED. AID PROJECT				



LEGEND

- ① MODIFIED URETHANE PAVEMENT MARKING LETTERS AND SYMBOLS
- ② MODIFIED URETHANE PAVEMENT MARKING LINE 4", WHITE (SOLID) (TYP.)
- ③ MODIFIED URETHANE PAVEMENT MARKING LINE 4", WHITE (10' DASH 30' SKIP) (TYP.)
- ④ MODIFIED URETHANE PAVEMENT MARKING LINE 4", YELLOW (SOLID) (TYP.)
- ⑤ MODIFIED URETHANE PAVEMENT MARKING LINE 4", YELLOW (DOUBLE SOLID 11" C-C) (TYP.)
- ⑥ MODIFIED URETHANE PAVEMENT MARKING LINE 4", YELLOW (10' DASH 30' SKIP) (TYP.)
- ⑦ MODIFIED URETHANE PAVEMENT MARKING LINE 4", YELLOW (SOLID & SKIP DASH, 5 1/2" C-C) (SEE DISTRICT DETAIL TC-13 FOR SPACING) (TYP.)
- ⑧ MODIFIED URETHANE PAVEMENT MARKING LINE 6", WHITE (SOLID) (TYP.)
- ⑨ MODIFIED URETHANE PAVEMENT MARKING LINE 6", WHITE (2' DASH 6' SKIP) (TYP.)
- ⑩ MODIFIED URETHANE PAVEMENT MARKING LINE 8", WHITE (SOLID) (TYP.)
- ⑪ MODIFIED URETHANE PAVEMENT MARKING LINE 12", WHITE (SOLID) (TYP.)
- ⑫ MODIFIED URETHANE PAVEMENT MARKING LINE 12", WHITE (SOLID 45° DIAGONAL 3' O.C.) (TYP.)
- ⑬ MODIFIED URETHANE PAVEMENT MARKING LINE 12", WHITE (SOLID 45° DIAGONAL 10' OR LESS SPACING) (TYP.)
- ⑭ MODIFIED URETHANE PAVEMENT MARKING LINE 12", WHITE (SOLID 45° DIAGONAL 75' SPACING OR MATCH EXISTING) (TYP.)
- ⑮ MODIFIED URETHANE PAVEMENT MARKING LINE 12", YELLOW (SOLID 45° DIAGONAL 75' SPACING OR MATCH EXISTING) (TYP.)
- ⑯ MODIFIED URETHANE PAVEMENT MARKING LINE 24", WHITE (SOLID) (TYP.)

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HDR HDR ENGINEERING, INC.
 9450 W. BRYN MAWR AVE.
 ROSEMONT, IL 60018

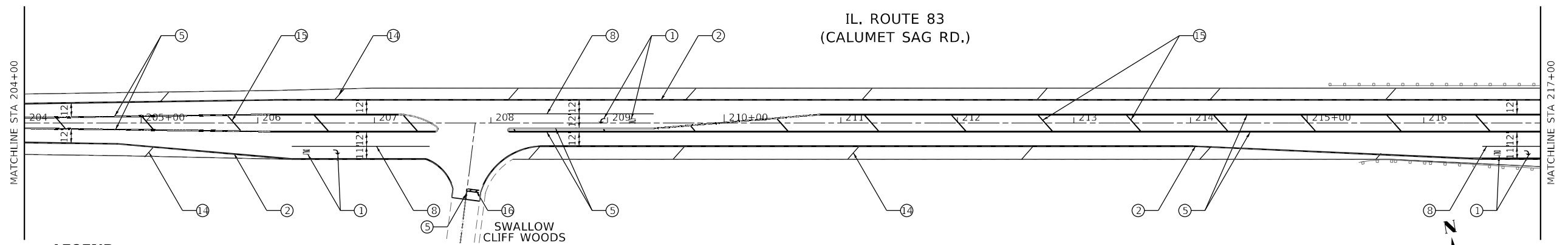
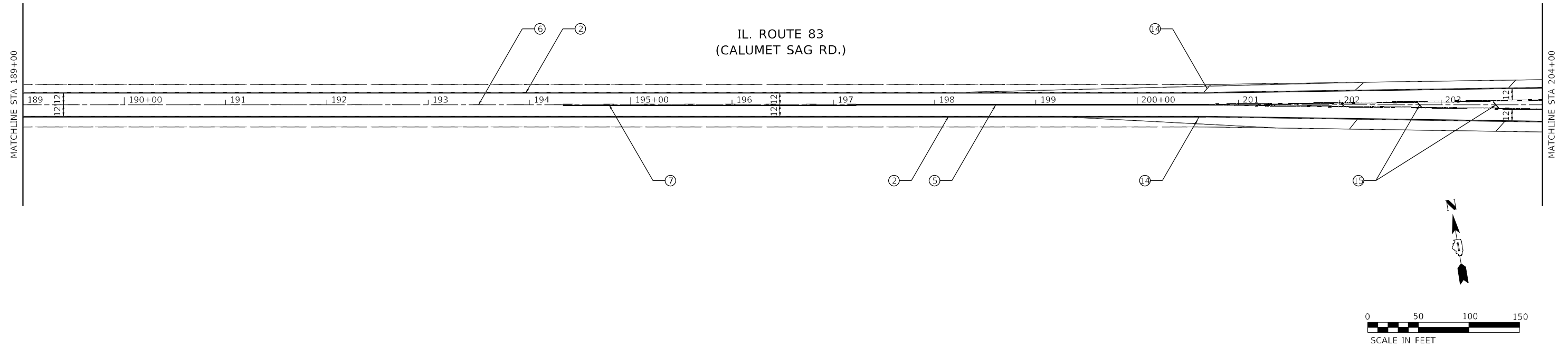
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PLOT DATE = 6/9/2022		

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL 83 (IL 171 TO 127TH STREET)
 PROPOSED ROADWAY AND PAVEMENT MARKING PLANS**

SCALE: 1"=50' SHEET 6 OF 18 SHEETS STA. 159+00 TO STA. 189+00

F.A.P. RTE. 344A	SECTION 2021-042-CIS	COUNTY COOK	TOTAL SHEETS 37	SHEET NO. 9
CONTRACT NO. 62N68			ILLINOIS FED. AID PROJECT	



LEGEND

- | | | |
|--|---|---|
| ① MODIFIED URETHANE PAVEMENT MARKING LETTERS AND SYMBOLS | ⑦ MODIFIED URETHANE PAVEMENT MARKING LINE 4", YELLOW (SOLID & SKIP DASH, 5 1/2" C-C) (SEE DISTRICT DETAIL TC-13 FOR SPACING) (TYP.) | ⑬ MODIFIED URETHANE PAVEMENT MARKING LINE 12", WHITE (SOLID 45° DIAGONAL 3' O.C.) (TYP.) |
| ② MODIFIED URETHANE PAVEMENT MARKING LINE 4", WHITE (SOLID) (TYP.) | ⑧ MODIFIED URETHANE PAVEMENT MARKING LINE 6", WHITE (SOLID) (TYP.) | ⑭ MODIFIED URETHANE PAVEMENT MARKING LINE 12", WHITE (SOLID 45° DIAGONAL 10' OR LESS SPACING) (TYP.) |
| ③ MODIFIED URETHANE PAVEMENT MARKING LINE 4", WHITE (10' DASH 30' SKIP) (TYP.) | ⑨ MODIFIED URETHANE PAVEMENT MARKING LINE 6", WHITE (2' DASH 6' SKIP) (TYP.) | ⑮ MODIFIED URETHANE PAVEMENT MARKING LINE 12", WHITE (SOLID 45° DIAGONAL 75' SPACING OR MATCH EXISTING) (TYP.) |
| ④ MODIFIED URETHANE PAVEMENT MARKING LINE 4", YELLOW (SOLID) (TYP.) | ⑩ MODIFIED URETHANE PAVEMENT MARKING LINE 8", WHITE (SOLID) (TYP.) | ⑯ MODIFIED URETHANE PAVEMENT MARKING LINE 12", YELLOW (SOLID 45° DIAGONAL 75' SPACING OR MATCH EXISTING) (TYP.) |
| ⑤ MODIFIED URETHANE PAVEMENT MARKING LINE 4", YELLOW (DOUBLE SOLID 11" C-C) (TYP.) | ⑪ MODIFIED URETHANE PAVEMENT MARKING LINE 12", WHITE (SOLID) (TYP.) | ⑰ MODIFIED URETHANE PAVEMENT MARKING LINE 24", WHITE (SOLID) (TYP.) |
| ⑥ MODIFIED URETHANE PAVEMENT MARKING LINE 4", YELLOW (10' DASH 30' SKIP) (TYP.) | | |

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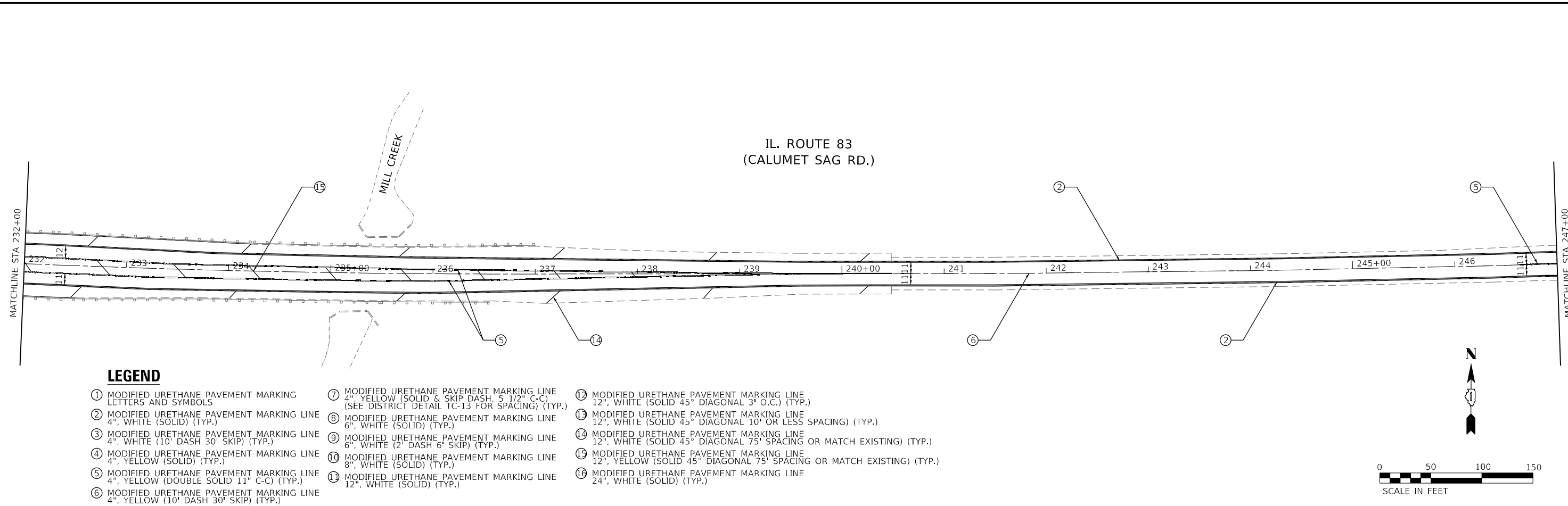
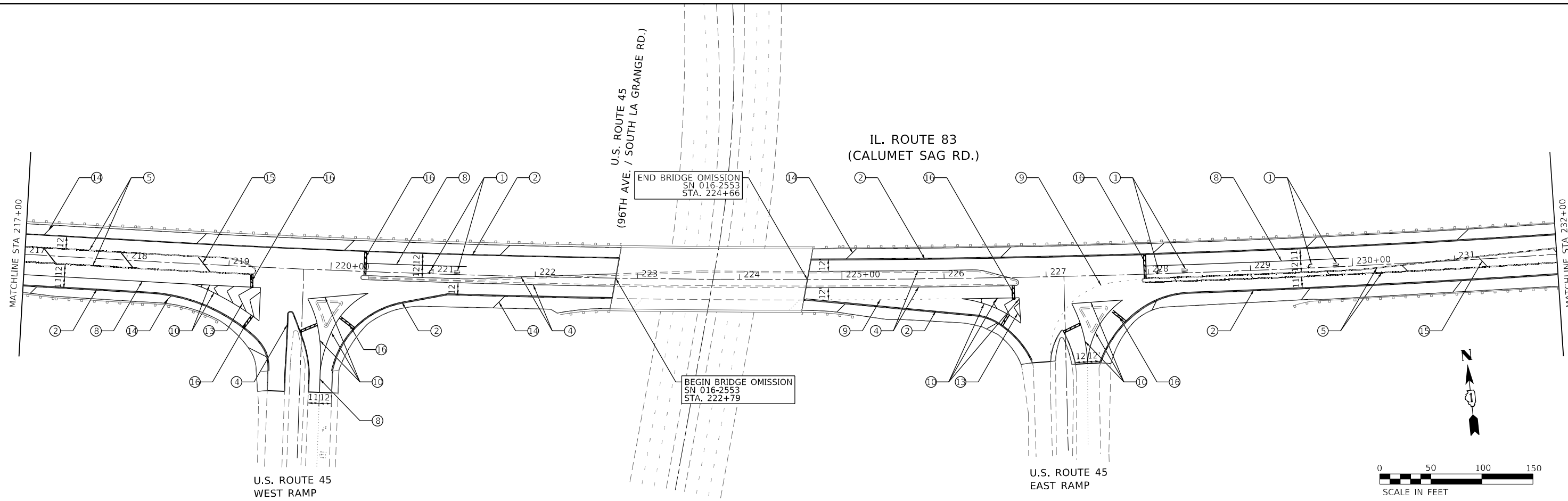
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 83 (IL 171 TO 127TH STREET)
PROPOSED ROADWAY AND PAVEMENT MARKING PLANS**

SCALE: 1"=50' SHEET 7 OF 18 SHEETS STA. 189+00 TO STA. 217+00

F.A.P. RTE. 344A	SECTION 2021-042-CIS	COUNTY COOK	TOTAL SHEETS 37	SHEET NO. 10
CONTRACT NO. 62N68				
ILLINOIS FED. AID PROJECT				



LEGEND

- ① MODIFIED URETHANE PAVEMENT MARKING LETTERS AND SYMBOLS
- ② MODIFIED URETHANE PAVEMENT MARKING LINE 4", WHITE (SOLID) (TYP.)
- ③ MODIFIED URETHANE PAVEMENT MARKING LINE 4", WHITE (10' DASH 30' SKIP) (TYP.)
- ④ MODIFIED URETHANE PAVEMENT MARKING LINE 4", YELLOW (SOLID) (TYP.)
- ⑤ MODIFIED URETHANE PAVEMENT MARKING LINE 4", YELLOW (DOUBLE SOLID 11" C-C) (TYP.)
- ⑥ MODIFIED URETHANE PAVEMENT MARKING LINE 4", YELLOW (10' DASH 30' SKIP) (TYP.)
- ⑦ MODIFIED URETHANE PAVEMENT MARKING LINE 4", YELLOW (SOLID & SKIP DASH, 5 1/2" C-C) (SEE DISTRICT DETAIL TC-13 FOR SPACING) (TYP.)
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- ⑨ MODIFIED URETHANE PAVEMENT MARKING LINE 6", WHITE (2' DASH 6' SKIP) (TYP.)
- ⑩ MODIFIED URETHANE PAVEMENT MARKING LINE 8", WHITE (SOLID) (TYP.)
- ⑪ MODIFIED URETHANE PAVEMENT MARKING LINE 12", WHITE (SOLID) (TYP.)
- ⑫ MODIFIED URETHANE PAVEMENT MARKING LINE 12", WHITE (SOLID 45° DIAGONAL 3' O.C.) (TYP.)
- ⑬ MODIFIED URETHANE PAVEMENT MARKING LINE 12", WHITE (SOLID 45° DIAGONAL 10' OR LESS SPACING) (TYP.)
- ⑭ MODIFIED URETHANE PAVEMENT MARKING LINE 12", WHITE (SOLID 45° DIAGONAL 75' SPACING OR MATCH EXISTING) (TYP.)
- ⑮ MODIFIED URETHANE PAVEMENT MARKING LINE 12", YELLOW (SOLID 45° DIAGONAL 75' SPACING OR MATCH EXISTING) (TYP.)
- ⑯ MODIFIED URETHANE PAVEMENT MARKING LINE 24", WHITE (SOLID) (TYP.)

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HDR HDR ENGINEERING, INC.
9450 W. BRYN MAWR AVE.
ROSEMONT, IL 60018

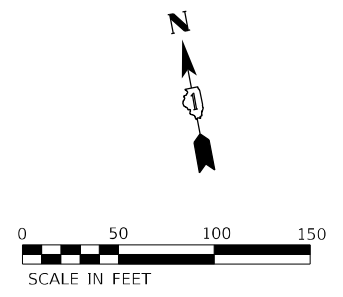
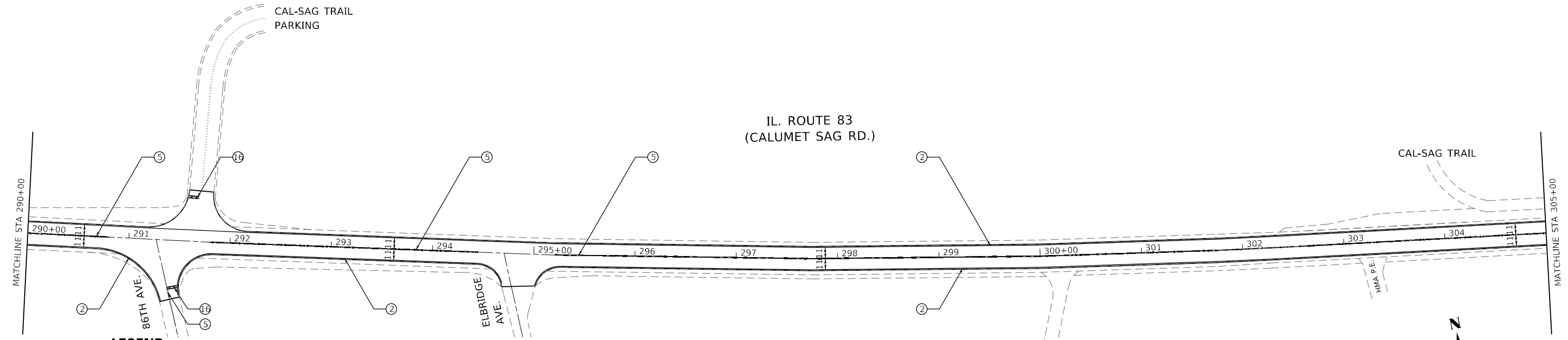
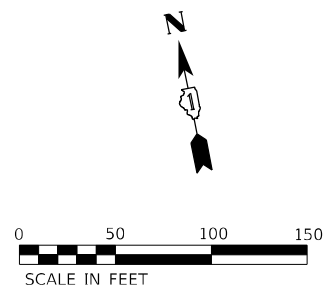
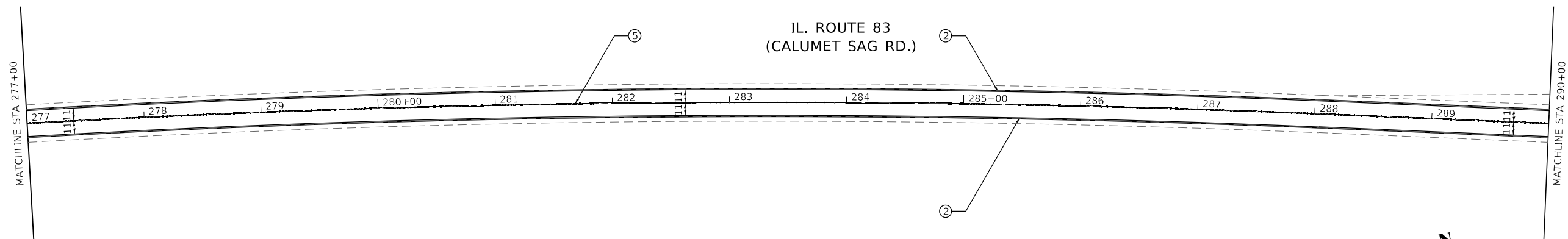
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	DATE - 6/9/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 83 (IL 171 TO 127TH STREET)
PROPOSED ROADWAY AND PAVEMENT MARKING PLANS**

SCALE: 1"=50' SHEET 8 OF 18 SHEETS STA. 217+00 TO STA. 247+00

F.A.P. RTE. 344A	SECTION 2021-042-CIS	COUNTY COOK	TOTAL SHEETS 37	SHEET NO. 11
CONTRACT NO. 62N68				
ILLINOIS FED. AID PROJECT				



LEGEND

- ① MODIFIED URETHANE PAVEMENT MARKING LETTERS AND SYMBOLS
- ② MODIFIED URETHANE PAVEMENT MARKING LINE 4", WHITE (SOLID) (TYP.)
- ③ MODIFIED URETHANE PAVEMENT MARKING LINE 4", WHITE (10' DASH 30' SKIP) (TYP.)
- ④ MODIFIED URETHANE PAVEMENT MARKING LINE 4", YELLOW (SOLID) (TYP.)
- ⑤ MODIFIED URETHANE PAVEMENT MARKING LINE 4", YELLOW (DOUBLE SOLID 11" C-C) (TYP.)
- ⑥ MODIFIED URETHANE PAVEMENT MARKING LINE 4", YELLOW (10' DASH 30' SKIP) (TYP.)
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- ⑨ MODIFIED URETHANE PAVEMENT MARKING LINE 6", WHITE (2' DASH 6' SKIP) (TYP.)
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- ⑪ MODIFIED URETHANE PAVEMENT MARKING LINE 12", WHITE (SOLID) (TYP.)
- ⑫ MODIFIED URETHANE PAVEMENT MARKING LINE 12", WHITE (SOLID 45° DIAGONAL 3' O.C.) (TYP.)
- ⑬ MODIFIED URETHANE PAVEMENT MARKING LINE 12", WHITE (SOLID 45° DIAGONAL 10' OR LESS SPACING) (TYP.)
- ⑭ MODIFIED URETHANE PAVEMENT MARKING LINE 12", WHITE (SOLID 45° DIAGONAL 75' SPACING OR MATCH EXISTING) (TYP.)
- ⑮ MODIFIED URETHANE PAVEMENT MARKING LINE 12", YELLOW (SOLID 45° DIAGONAL 75' SPACING OR MATCH EXISTING) (TYP.)
- ⑯ MODIFIED URETHANE PAVEMENT MARKING LINE 24", WHITE (SOLID) (TYP.)

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HDR ENGINEERING, INC.
 9450 W. BRYN MAWR AVE.
 ROSEMONT, IL 60018

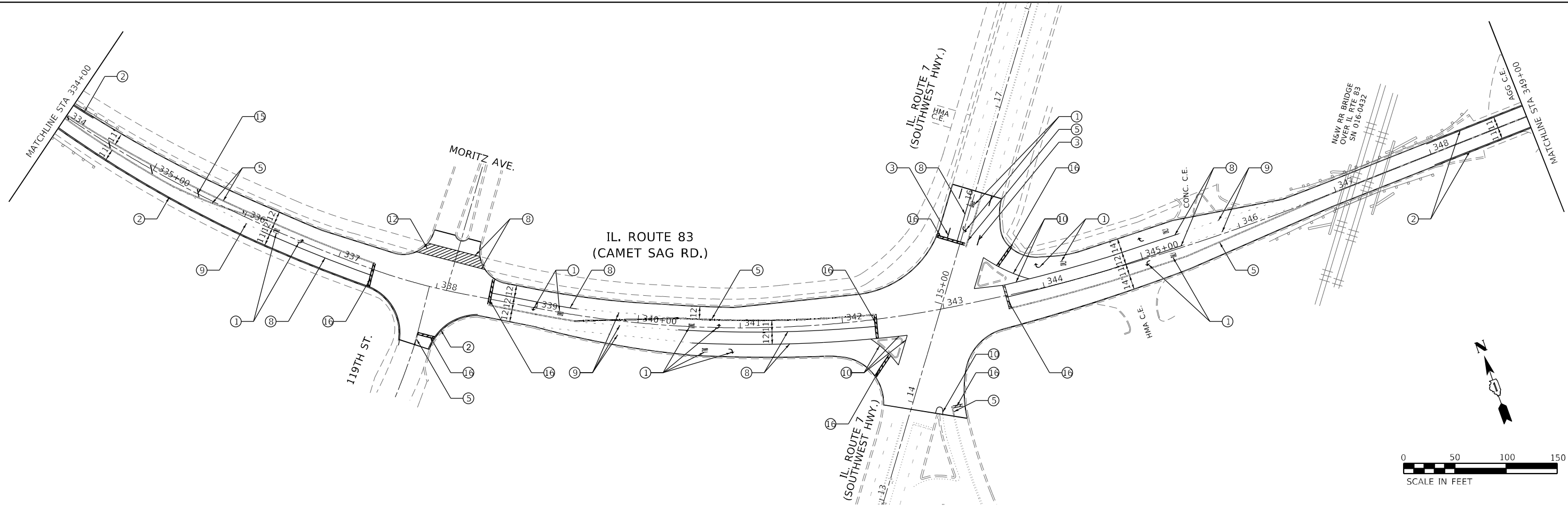
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

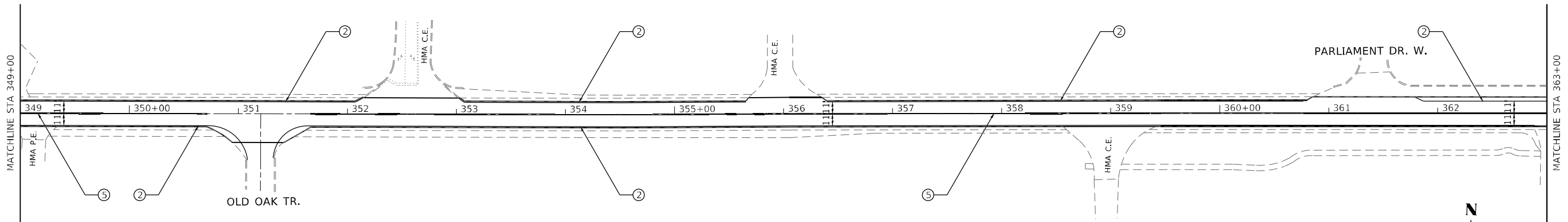
IL 83 (IL 171 TO 127TH STREET)
PROPOSED ROADWAY AND PAVEMENT MARKING PLANS

SCALE: 1"=50' SHEET 10 OF 18 SHEETS STA. 277+00 TO STA. 305+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344A	2021-042-CIS	COOK	37	13
CONTRACT NO. 62N68				
ILLINOIS FED. AID PROJECT				



IL. ROUTE 83
(COLLEGE DR. / 119TH ST.)

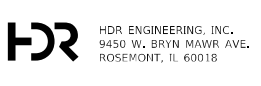


LEGEND

- ① MODIFIED URETHANE PAVEMENT MARKING LETTERS AND SYMBOLS
- ② MODIFIED URETHANE PAVEMENT MARKING LINE 4", WHITE (SOLID) (TYP.)
- ③ MODIFIED URETHANE PAVEMENT MARKING LINE 4", WHITE (10' DASH 30' SKIP) (TYP.)
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- ⑦ MODIFIED URETHANE PAVEMENT MARKING LINE 4", YELLOW (SOLID & SKIP DASH, 5 1/2" C-C) (SEE DISTRICT DETAIL TC-13 FOR SPACING) (TYP.)
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- ⑫ MODIFIED URETHANE PAVEMENT MARKING LINE 12", WHITE (SOLID 45° DIAGONAL 3' O.C.) (TYP.)
- ⑬ MODIFIED URETHANE PAVEMENT MARKING LINE 12", WHITE (SOLID 45° DIAGONAL 10' OR LESS SPACING) (TYP.)
- ⑭ MODIFIED URETHANE PAVEMENT MARKING LINE 12", WHITE (SOLID 45° DIAGONAL 75' SPACING OR MATCH EXISTING) (TYP.)
- ⑮ MODIFIED URETHANE PAVEMENT MARKING LINE 12", YELLOW (SOLID 45° DIAGONAL 75' SPACING OR MATCH EXISTING) (TYP.)
- ⑯ MODIFIED URETHANE PAVEMENT MARKING LINE 24", WHITE (SOLID) (TYP.)



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USER NAME = ANAGY	DESIGNED -	REVISED -
	DRAWN - YJP	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - DP	REVISED -
PLOT DATE = 6/9/2022	DATE - 6/9/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL 83 (IL 171 TO 127TH STREET) PROPOSED ROADWAY AND PAVEMENT MARKING PLANS			
SCALE: 1"=50'	SHEET 12 OF 18 SHEETS	STA. 334+00 TO STA. 363+00	

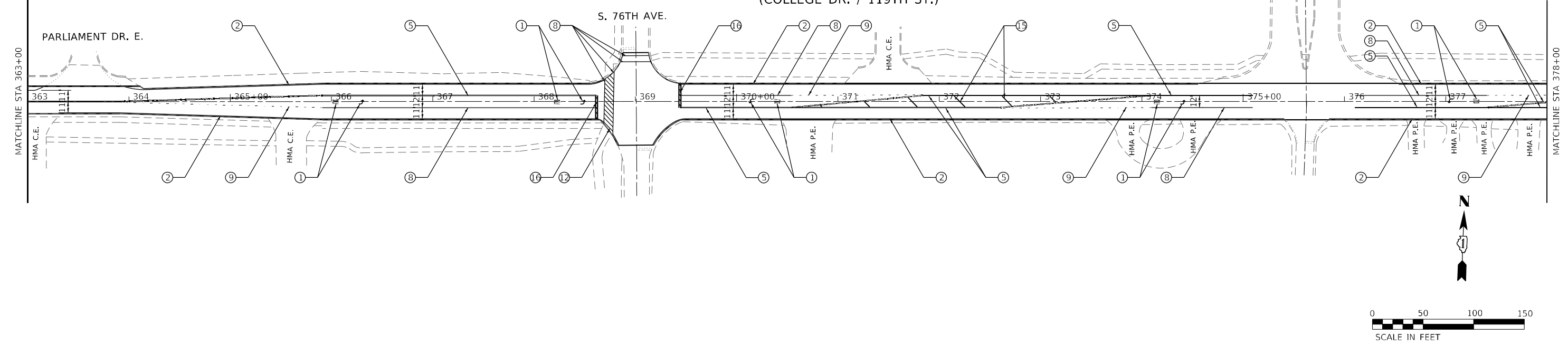
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344A	2021-042-CIS	COOK	37	15
CONTRACT NO. 62N68				
ILLINOIS FED. AID PROJECT				

IL. ROUTE 83
(COLLEGE DR. / 119TH ST.)

S. 75th AVE.

S. 76TH AVE.

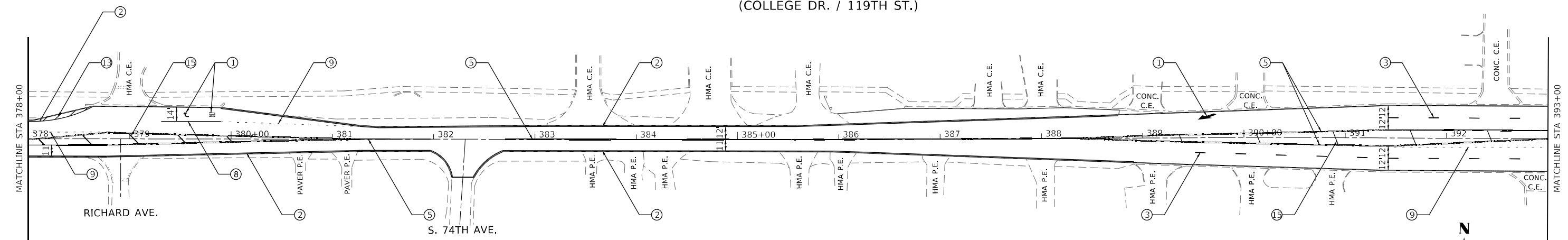
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IL. ROUTE 83
(COLLEGE DR. / 119TH ST.)

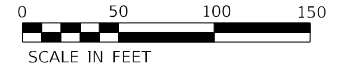
RICHARD AVE.

S. 74TH AVE.



LEGEND

- ① MODIFIED URETHANE PAVEMENT MARKING LETTERS AND SYMBOLS
- ② MODIFIED URETHANE PAVEMENT MARKING LINE 4", WHITE (SOLID) (TYP.)
- ③ MODIFIED URETHANE PAVEMENT MARKING LINE 4", WHITE (10' DASH 30' SKIP) (TYP.)
- ④ MODIFIED URETHANE PAVEMENT MARKING LINE 4", YELLOW (SOLID) (TYP.)
- ⑤ MODIFIED URETHANE PAVEMENT MARKING LINE 4", YELLOW (DOUBLE SOLID 11" C-C) (TYP.)
- ⑥ MODIFIED URETHANE PAVEMENT MARKING LINE 4", YELLOW (10' DASH 30' SKIP) (TYP.)
- ⑦ MODIFIED URETHANE PAVEMENT MARKING LINE 4", YELLOW (SOLID & SKIP DASH, 5 1/2" C-C) (SEE DISTRICT DETAIL TC-13 FOR SPACING) (TYP.)
- ⑧ MODIFIED URETHANE PAVEMENT MARKING LINE 6", WHITE (SOLID) (TYP.)
- ⑨ MODIFIED URETHANE PAVEMENT MARKING LINE 4", WHITE (2' DASH 6' SKIP) (TYP.)
- ⑩ MODIFIED URETHANE PAVEMENT MARKING LINE 8", WHITE (SOLID) (TYP.)
- ⑪ MODIFIED URETHANE PAVEMENT MARKING LINE 12", WHITE (SOLID) (TYP.)
- ⑫ MODIFIED URETHANE PAVEMENT MARKING LINE 12", WHITE (SOLID 45° DIAGONAL 3' O.C.) (TYP.)
- ⑬ MODIFIED URETHANE PAVEMENT MARKING LINE 12", WHITE (SOLID 45° DIAGONAL 10' OR LESS SPACING) (TYP.)
- ⑭ MODIFIED URETHANE PAVEMENT MARKING LINE 12", WHITE (SOLID 45° DIAGONAL 75' SPACING OR MATCH EXISTING) (TYP.)
- ⑮ MODIFIED URETHANE PAVEMENT MARKING LINE 12", YELLOW (SOLID 45° DIAGONAL 75' SPACING OR MATCH EXISTING) (TYP.)
- ⑯ MODIFIED URETHANE PAVEMENT MARKING LINE 24", WHITE (SOLID) (TYP.)



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HDR ENGINEERING, INC.
9450 W. BRYN MAWR AVE.
ROSEMONT, IL 60018

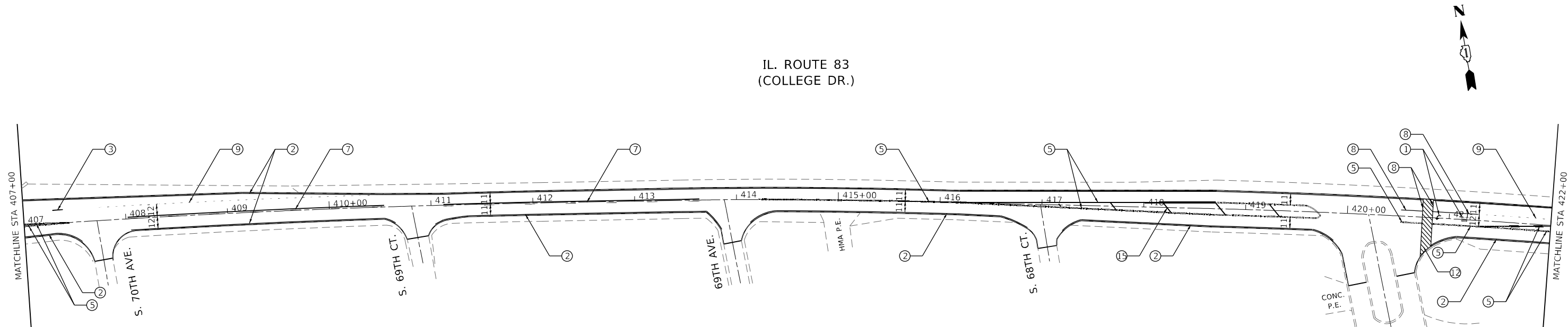
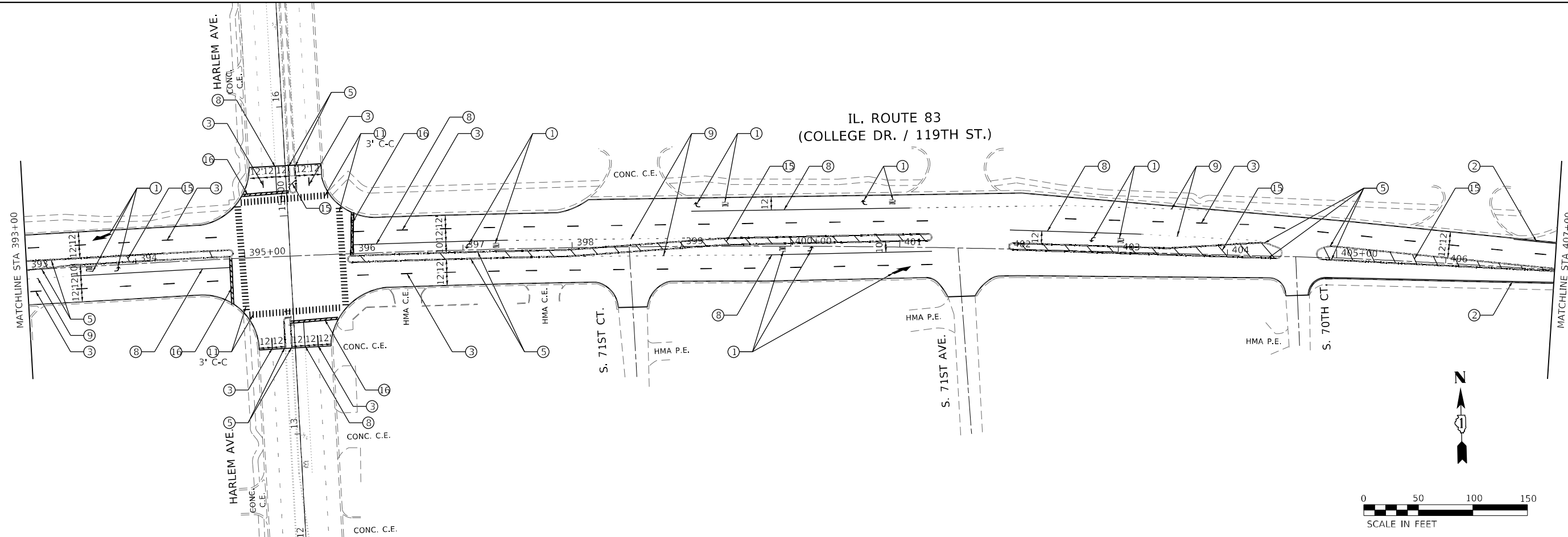
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PLOT DATE = 6/9/2022	DATE - 6/9/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 83 (IL 171 TO 127TH STREET)
PROPOSED ROADWAY AND PAVEMENT MARKING PLANS

SCALE: 1"=50' SHEET 13 OF 18 SHEETS STA. 363+00 TO STA. 393+00

F.A.P. RTE. 344A	SECTION 2021-042-CIS	COUNTY COOK	TOTAL SHEETS 37	SHEET NO. 16
CONTRACT NO. 62N68				
ILLINOIS FED. AID PROJECT				



LEGEND

- ① MODIFIED URETHANE PAVEMENT MARKING LETTERS AND SYMBOLS
- ② MODIFIED URETHANE PAVEMENT MARKING LINE 4", WHITE (SOLID) (TYP.)
- ③ MODIFIED URETHANE PAVEMENT MARKING LINE 4", WHITE (10' DASH 30' SKIP) (TYP.)
- ④ MODIFIED URETHANE PAVEMENT MARKING LINE 4", YELLOW (SOLID) (TYP.)
- ⑤ MODIFIED URETHANE PAVEMENT MARKING LINE 4", YELLOW (DOUBLE SOLID 11" C-C) (TYP.)
- ⑥ MODIFIED URETHANE PAVEMENT MARKING LINE 4", YELLOW (10' DASH 30' SKIP) (TYP.)
- ⑦ MODIFIED URETHANE PAVEMENT MARKING LINE 4", YELLOW (SOLID & SKIP DASH, 5 1/2" C-C) (SEE DISTRICT DETAIL TC-13 FOR SPACING) (TYP.)
- ⑧ MODIFIED URETHANE PAVEMENT MARKING LINE 6", WHITE (SOLID) (TYP.)
- ⑨ MODIFIED URETHANE PAVEMENT MARKING LINE 6", WHITE (2' DASH 6' SKIP) (TYP.)
- ⑩ MODIFIED URETHANE PAVEMENT MARKING LINE 8", WHITE (SOLID) (TYP.)
- ⑪ MODIFIED URETHANE PAVEMENT MARKING LINE 12", WHITE (SOLID) (TYP.)
- ⑫ MODIFIED URETHANE PAVEMENT MARKING LINE 12", WHITE (SOLID 45° DIAGONAL 3' O.C.) (TYP.)
- ⑬ MODIFIED URETHANE PAVEMENT MARKING LINE 12", WHITE (SOLID 45° DIAGONAL 10' OR LESS SPACING) (TYP.)
- ⑭ MODIFIED URETHANE PAVEMENT MARKING LINE 12", WHITE (SOLID 45° DIAGONAL 75' SPACING OR MATCH EXISTING) (TYP.)
- ⑮ MODIFIED URETHANE PAVEMENT MARKING LINE 12", YELLOW (SOLID 45° DIAGONAL 75' SPACING OR MATCH EXISTING) (TYP.)
- ⑯ MODIFIED URETHANE PAVEMENT MARKING LINE 24", WHITE (SOLID) (TYP.)

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HDR ENGINEERING, INC.
 9450 W. BRYN MAWR AVE.
 ROSEMONT, IL 60018

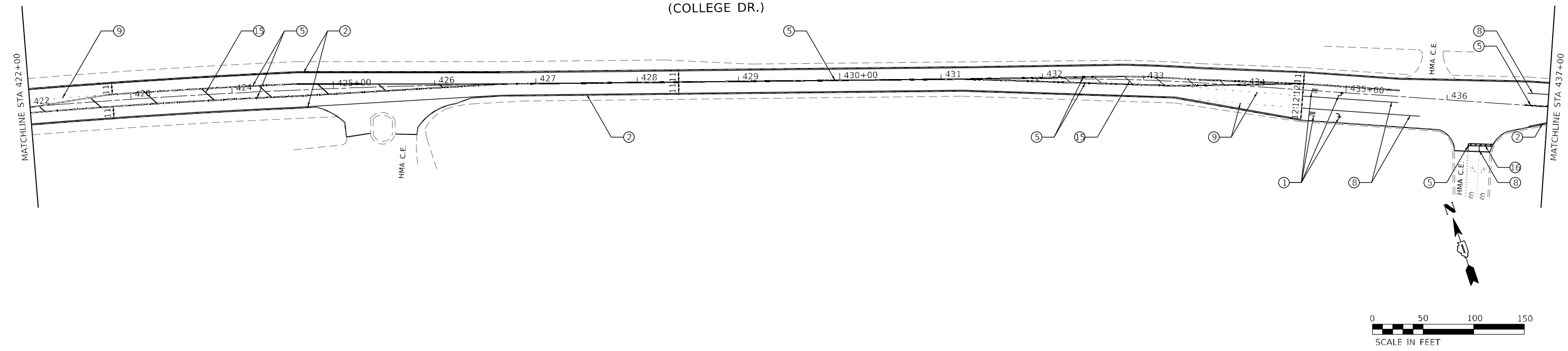
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

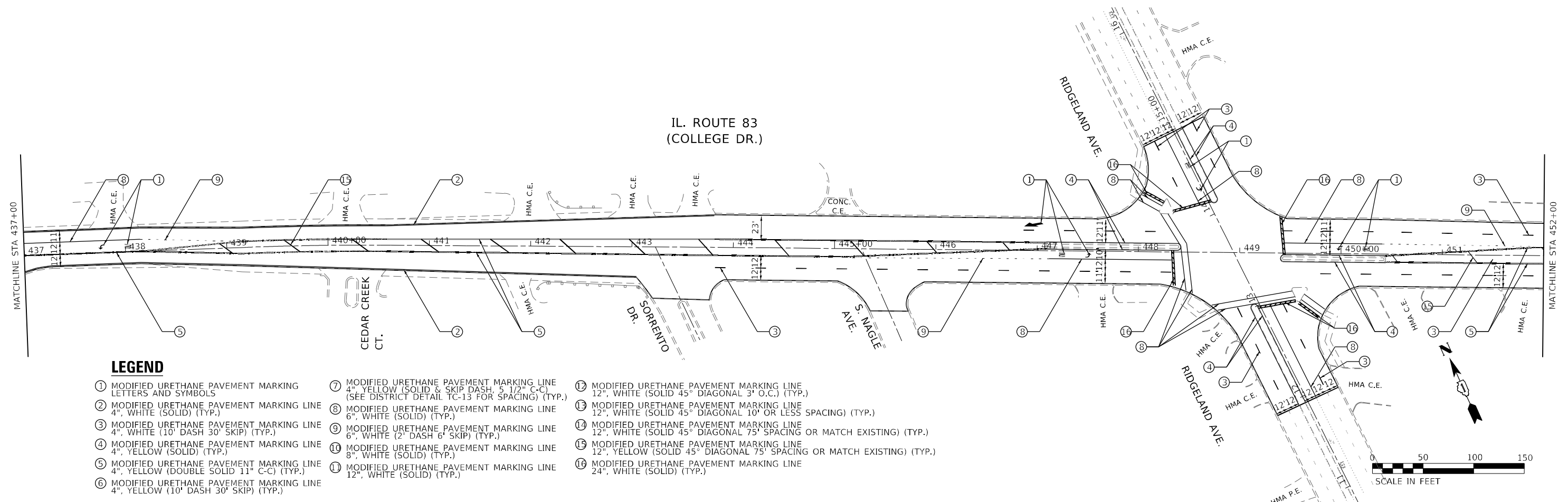
IL 83 (IL 171 TO 127TH STREET) PROPOSED ROADWAY AND PAVEMENT MARKING PLANS			
SCALE: 1"=50'	SHEET 14 OF 18 SHEETS	STA. 393+00 TO STA. 422+00	

F.A.P. RTE. 344A	SECTION 2021-042-CIS	COUNTY COOK	TOTAL SHEETS 37	SHEET NO. 17
CONTRACT NO. 62N68				
ILLINOIS FED. AID PROJECT				

IL. ROUTE 83
(COLLEGE DR.)



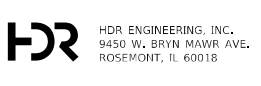
IL. ROUTE 83
(COLLEGE DR.)



LEGEND

- ① MODIFIED URETHANE PAVEMENT MARKING LETTERS AND SYMBOLS
- ② MODIFIED URETHANE PAVEMENT MARKING LINE 4", WHITE (SOLID) (TYP.)
- ③ MODIFIED URETHANE PAVEMENT MARKING LINE 4", WHITE (10' DASH 30' SKIP) (TYP.)
- ④ MODIFIED URETHANE PAVEMENT MARKING LINE 4", YELLOW (SOLID) (TYP.)
- ⑤ MODIFIED URETHANE PAVEMENT MARKING LINE 4", YELLOW (DOUBLE SOLID 11" C-C) (TYP.)
- ⑥ MODIFIED URETHANE PAVEMENT MARKING LINE 4", YELLOW (10' DASH 30' SKIP) (TYP.)
- ⑦ MODIFIED URETHANE PAVEMENT MARKING LINE 4", YELLOW (SOLID & SKIP DASH, 5 1/2" C-C) (SEE DISTRICT DETAIL TC-13 FOR SPACING) (TYP.)
- ⑧ MODIFIED URETHANE PAVEMENT MARKING LINE 6", WHITE (SOLID) (TYP.)
- ⑨ MODIFIED URETHANE PAVEMENT MARKING LINE 6", WHITE (2' DASH 6' SKIP) (TYP.)
- ⑩ MODIFIED URETHANE PAVEMENT MARKING LINE 8", WHITE (SOLID) (TYP.)
- ⑪ MODIFIED URETHANE PAVEMENT MARKING LINE 12", WHITE (SOLID) (TYP.)
- ⑫ MODIFIED URETHANE PAVEMENT MARKING LINE 12", WHITE (SOLID 45° DIAGONAL 3' O.C.) (TYP.)
- ⑬ MODIFIED URETHANE PAVEMENT MARKING LINE 12", WHITE (SOLID 45° DIAGONAL 10' OR LESS SPACING) (TYP.)
- ⑭ MODIFIED URETHANE PAVEMENT MARKING LINE 12", WHITE (SOLID 45° DIAGONAL 75' SPACING OR MATCH EXISTING) (TYP.)
- ⑮ MODIFIED URETHANE PAVEMENT MARKING LINE 12", YELLOW (SOLID 45° DIAGONAL 75' SPACING OR MATCH EXISTING) (TYP.)
- ⑯ MODIFIED URETHANE PAVEMENT MARKING LINE 24", WHITE (SOLID) (TYP.)

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 DRAWN - YJP
 CHECKED - DP
 DATE - 6/9/2022
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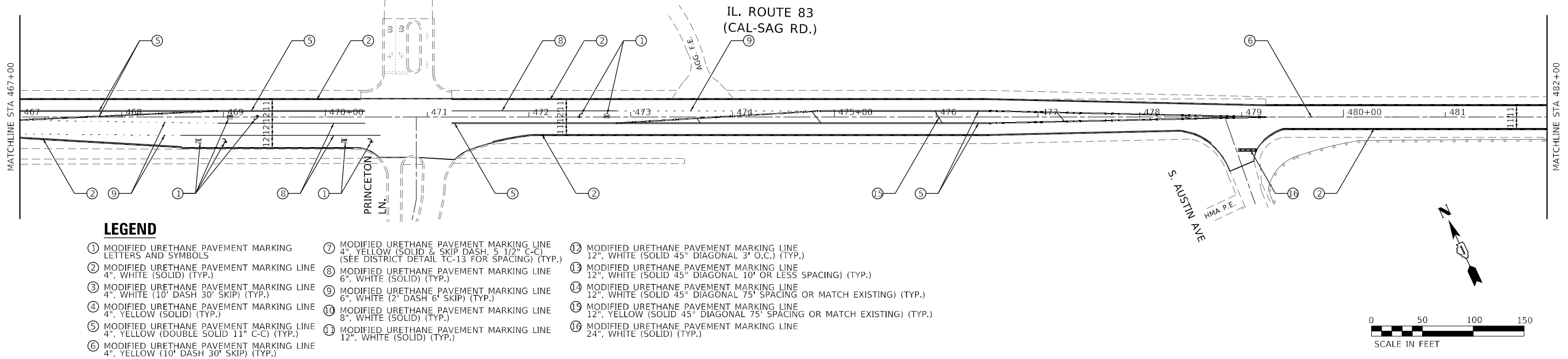
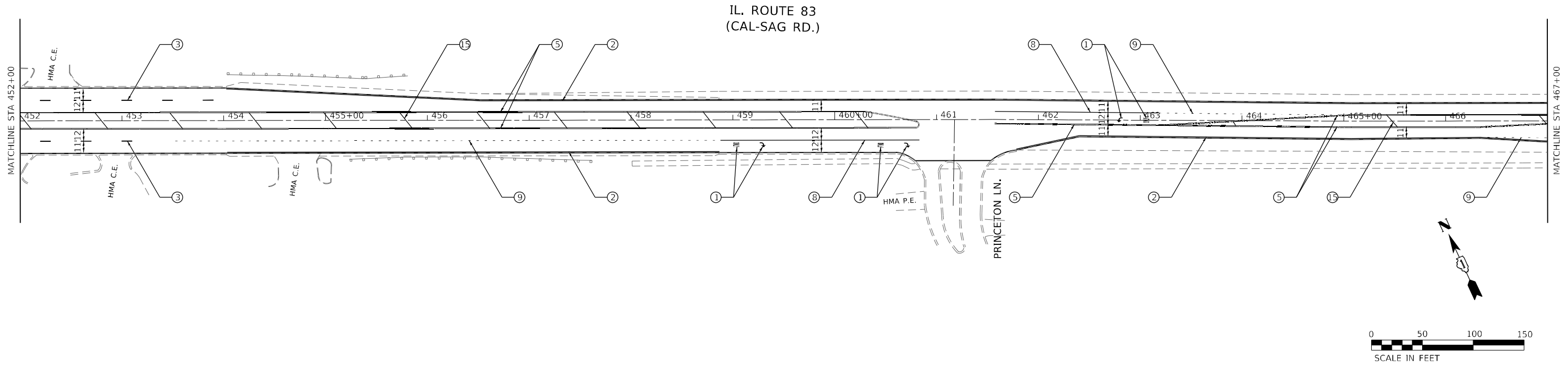
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 83 (IL 171 TO 127TH STREET)
PROPOSED ROADWAY AND PAVEMENT MARKING PLANS**

F.A.P. RTE. 344A	SECTION 2021-042-CIS	COUNTY COOK	TOTAL SHEETS 37	SHEET NO. 18
CONTRACT NO. 62N68				
ILLINOIS FED. AID PROJECT				

SCALE: 1"=50' SHEET 15 OF 18 SHEETS STA. 422+00 TO STA. 452+00

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LEGEND

- | | | |
|--|---|---|
| ① MODIFIED URETHANE PAVEMENT MARKING LETTERS AND SYMBOLS | ⑦ MODIFIED URETHANE PAVEMENT MARKING LINE 4", YELLOW (SOLID & SKIP DASH, 5 1/2" C-C) (SEE DISTRICT DETAIL TC-13 FOR SPACING) (TYP.) | ⑬ MODIFIED URETHANE PAVEMENT MARKING LINE 12", WHITE (SOLID 45° DIAGONAL 3' O.C.) (TYP.) |
| ② MODIFIED URETHANE PAVEMENT MARKING LINE 4", WHITE (SOLID) (TYP.) | ⑧ MODIFIED URETHANE PAVEMENT MARKING LINE 6", WHITE (SOLID) (TYP.) | ⑭ MODIFIED URETHANE PAVEMENT MARKING LINE 12", WHITE (SOLID 45° DIAGONAL 10' OR LESS SPACING) (TYP.) |
| ③ MODIFIED URETHANE PAVEMENT MARKING LINE 4", WHITE (10' DASH 30' SKIP) (TYP.) | ⑨ MODIFIED URETHANE PAVEMENT MARKING LINE 6", WHITE (2' DASH 6' SKIP) (TYP.) | ⑮ MODIFIED URETHANE PAVEMENT MARKING LINE 12", WHITE (SOLID 45° DIAGONAL 75' SPACING OR MATCH EXISTING) (TYP.) |
| ④ MODIFIED URETHANE PAVEMENT MARKING LINE 4", YELLOW (SOLID) (TYP.) | ⑩ MODIFIED URETHANE PAVEMENT MARKING LINE 8", WHITE (SOLID) (TYP.) | ⑯ MODIFIED URETHANE PAVEMENT MARKING LINE 12", YELLOW (SOLID 45° DIAGONAL 75' SPACING OR MATCH EXISTING) (TYP.) |
| ⑤ MODIFIED URETHANE PAVEMENT MARKING LINE 4", YELLOW (DOUBLE SOLID 11" C-C) (TYP.) | ⑪ MODIFIED URETHANE PAVEMENT MARKING LINE 12", WHITE (SOLID) (TYP.) | ⑰ MODIFIED URETHANE PAVEMENT MARKING LINE 24", WHITE (SOLID) (TYP.) |
| ⑥ MODIFIED URETHANE PAVEMENT MARKING LINE 4", YELLOW (10' DASH 30' SKIP) (TYP.) | | |

HDR ENGINEERING, INC.
 9450 W. BRYN MAWR AVE.
 ROSEMONT, IL 60018

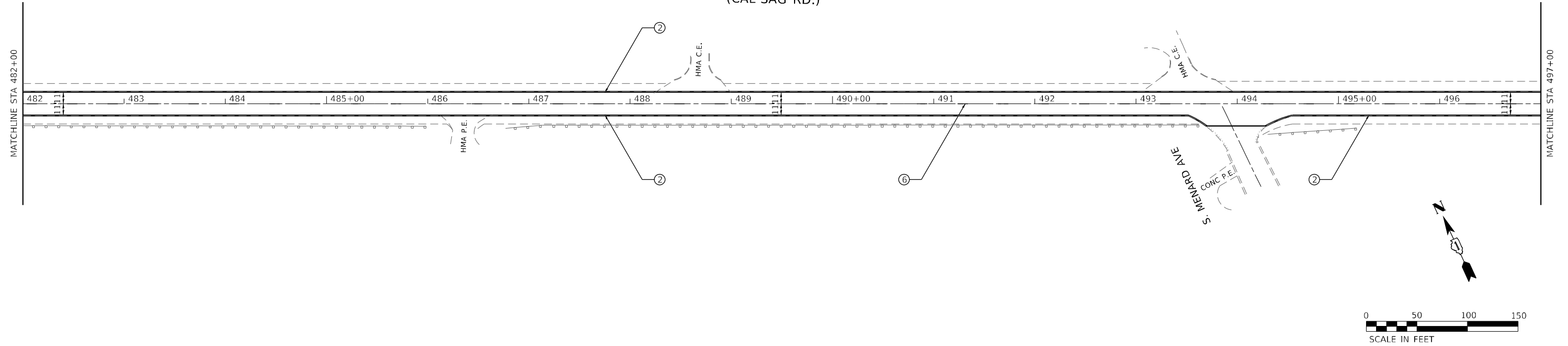
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

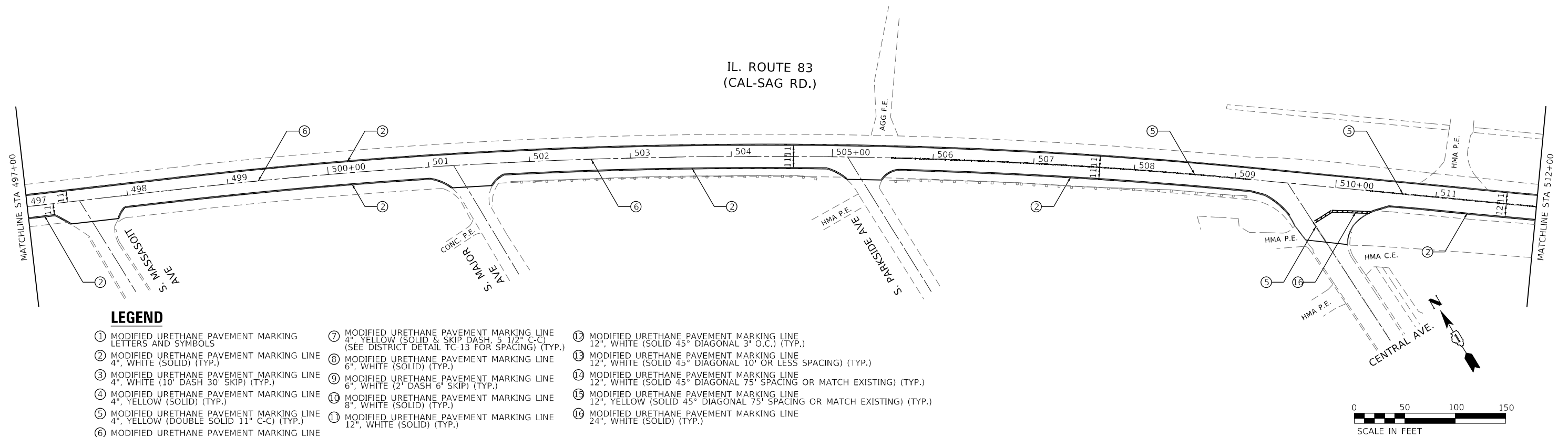
IL 83 (IL 171 TO 127TH STREET) PROPOSED ROADWAY AND PAVEMENT MARKING PLANS			
SCALE: 1"=50'	SHEET 16 OF 18 SHEETS	STA. 452+00 TO STA. 482+00	

F.A.P. RTE. 344A	SECTION 2021-042-CIS	COUNTY COOK	TOTAL SHEETS 37	SHEET NO. 19
CONTRACT NO. 62N68				
ILLINOIS FED. AID PROJECT				

IL. ROUTE 83
(CAL-SAG RD.)



IL. ROUTE 83
(CAL-SAG RD.)



LEGEND

- | | | |
|--|---|---|
| ① MODIFIED URETHANE PAVEMENT MARKING LETTERS AND SYMBOLS | ⑦ MODIFIED URETHANE PAVEMENT MARKING LINE 4", YELLOW (SOLID & SKIP DASH, 5 1/2" C-C) (SEE DISTRICT DETAIL TC-13 FOR SPACING) (TYP.) | ⑬ MODIFIED URETHANE PAVEMENT MARKING LINE 12", WHITE (SOLID 45° DIAGONAL 3' O.C.) (TYP.) |
| ② MODIFIED URETHANE PAVEMENT MARKING LINE 4", WHITE (SOLID) (TYP.) | ⑧ MODIFIED URETHANE PAVEMENT MARKING LINE 6", WHITE (SOLID) (TYP.) | ⑭ MODIFIED URETHANE PAVEMENT MARKING LINE 12", WHITE (SOLID 45° DIAGONAL 10' OR LESS SPACING) (TYP.) |
| ③ MODIFIED URETHANE PAVEMENT MARKING LINE 4", WHITE (10' DASH 30' SKIP) (TYP.) | ⑨ MODIFIED URETHANE PAVEMENT MARKING LINE 6", WHITE (2' DASH 6' SKIP) (TYP.) | ⑮ MODIFIED URETHANE PAVEMENT MARKING LINE 12", YELLOW (SOLID 45° DIAGONAL 75' SPACING OR MATCH EXISTING) (TYP.) |
| ④ MODIFIED URETHANE PAVEMENT MARKING LINE 4", YELLOW (SOLID) (TYP.) | ⑩ MODIFIED URETHANE PAVEMENT MARKING LINE 8", WHITE (SOLID) (TYP.) | ⑯ MODIFIED URETHANE PAVEMENT MARKING LINE 24", WHITE (SOLID) (TYP.) |
| ⑤ MODIFIED URETHANE PAVEMENT MARKING LINE 4", YELLOW (DOUBLE SOLID 11" C-C) (TYP.) | ⑪ MODIFIED URETHANE PAVEMENT MARKING LINE 12", WHITE (SOLID) (TYP.) | |
| ⑥ MODIFIED URETHANE PAVEMENT MARKING LINE 4", YELLOW (10' DASH 30' SKIP) (TYP.) | | |

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 PLOT DATE: 6/9/2022


HDR ENGINEERING, INC.
 9450 W. BRYN MAWR AVE.
 ROSEMONT, IL 60018

USER NAME = ANAGY	DESIGNED -	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - YJP	REVISED -
PLOT DATE = 6/9/2022	CHECKED - DP	REVISED -
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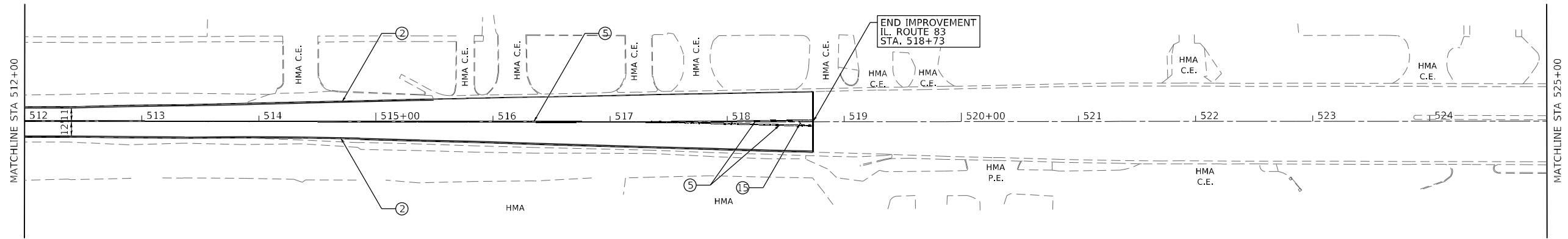
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 83 (IL 171 TO 127TH STREET)
PROPOSED ROADWAY AND PAVEMENT MARKING PLANS

SCALE: 1"=50' SHEET 17 OF 18 SHEETS STA. 482+00 TO STA. 512+00

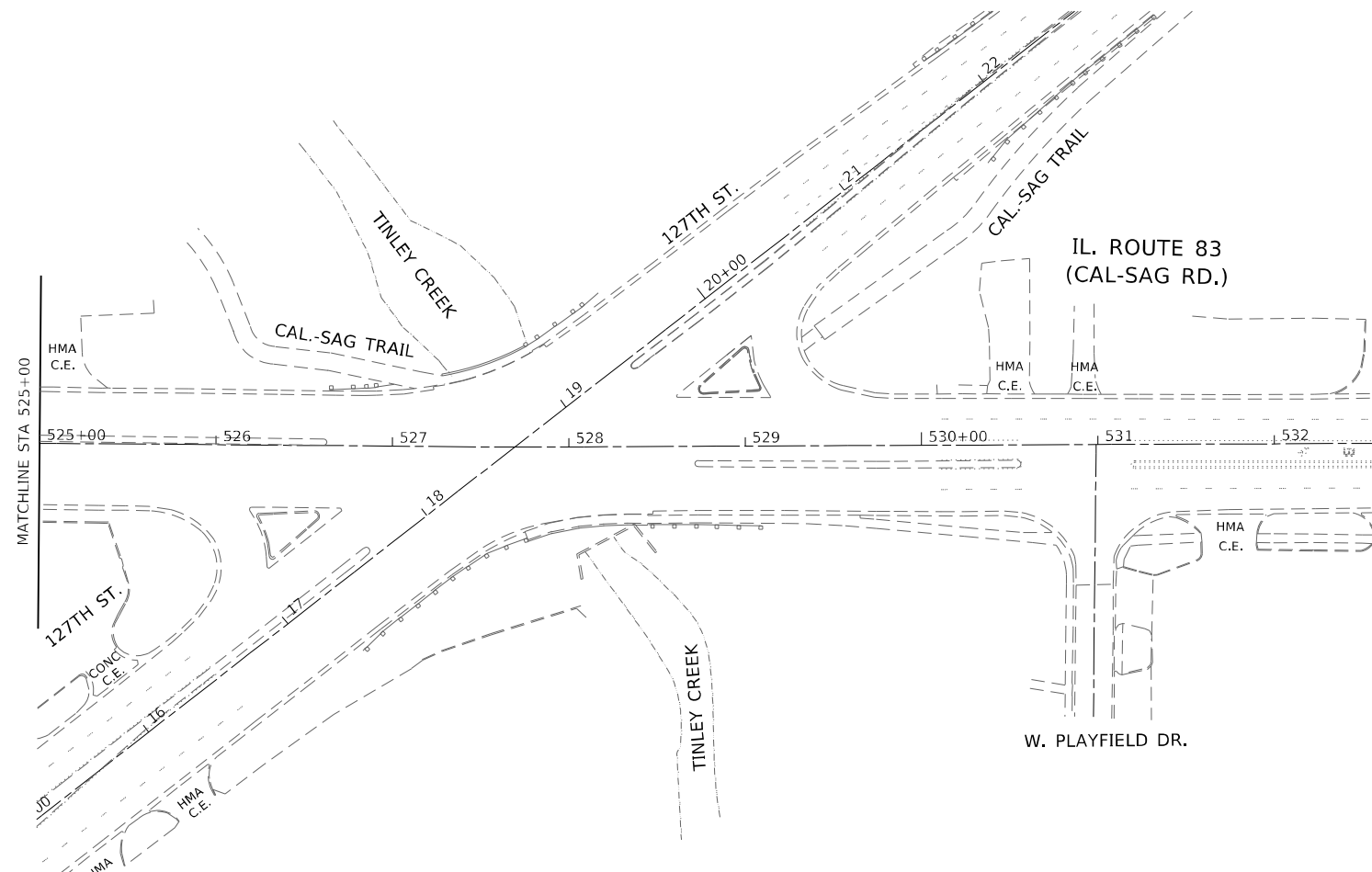
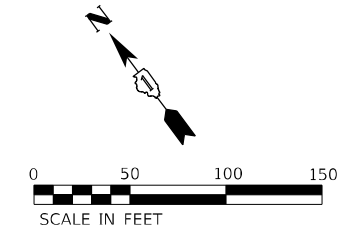
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CONTRACT NO. 62N68			ILLINOIS FED. AID PROJECT	

IL. ROUTE 83
(CAL-SAG RD.)

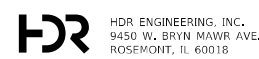


LEGEND

- | | | |
|--|--|---|
| ① MODIFIED URETHANE PAVEMENT MARKING LETTERS AND SYMBOLS | ⑦ MODIFIED URETHANE PAVEMENT MARKING LINE 4" YELLOW (SOLID & SKIP DASH, 5 1/2" C-C) (SEE DISTRICT DETAIL TC-13 FOR SPACING) (TYP.) | ⑬ MODIFIED URETHANE PAVEMENT MARKING LINE 12", WHITE (SOLID 45° DIAGONAL 3' O.C.) (TYP.) |
| ② MODIFIED URETHANE PAVEMENT MARKING LINE 4", WHITE (SOLID) (TYP.) | ⑧ MODIFIED URETHANE PAVEMENT MARKING LINE 6", WHITE (SOLID) (TYP.) | ⑭ MODIFIED URETHANE PAVEMENT MARKING LINE 12", WHITE (SOLID 45° DIAGONAL 10' OR LESS SPACING) (TYP.) |
| ③ MODIFIED URETHANE PAVEMENT MARKING LINE 4", WHITE (10' DASH 30' SKIP) (TYP.) | ⑨ MODIFIED URETHANE PAVEMENT MARKING LINE 6", WHITE (2' DASH 6' SKIP) (TYP.) | ⑮ MODIFIED URETHANE PAVEMENT MARKING LINE 12", YELLOW (SOLID 45° DIAGONAL 75' SPACING OR MATCH EXISTING) (TYP.) |
| ④ MODIFIED URETHANE PAVEMENT MARKING LINE 4", YELLOW (SOLID) (TYP.) | ⑩ MODIFIED URETHANE PAVEMENT MARKING LINE 8", WHITE (SOLID) (TYP.) | ⑯ MODIFIED URETHANE PAVEMENT MARKING LINE 24", WHITE (SOLID) (TYP.) |
| ⑤ MODIFIED URETHANE PAVEMENT MARKING LINE 4", YELLOW (DOUBLE SOLID 11" C-C) (TYP.) | ⑪ MODIFIED URETHANE PAVEMENT MARKING LINE 12", WHITE (SOLID) (TYP.) | |
| ⑥ MODIFIED URETHANE PAVEMENT MARKING LINE 4", YELLOW (10' DASH 30' SKIP) (TYP.) | | |



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 DESIGNED: -
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 CHECKED: -DP
 DATE: -6/9/2022
 REVISED: -
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 REVISED: -
 REVISED: -



USER NAME = ANAGY	DESIGNED -	REVISED -
DRAWN - YJP	REVISOR -	
CHECKED - DP	REVISOR -	
DATE - 6/9/2022	REVISOR -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

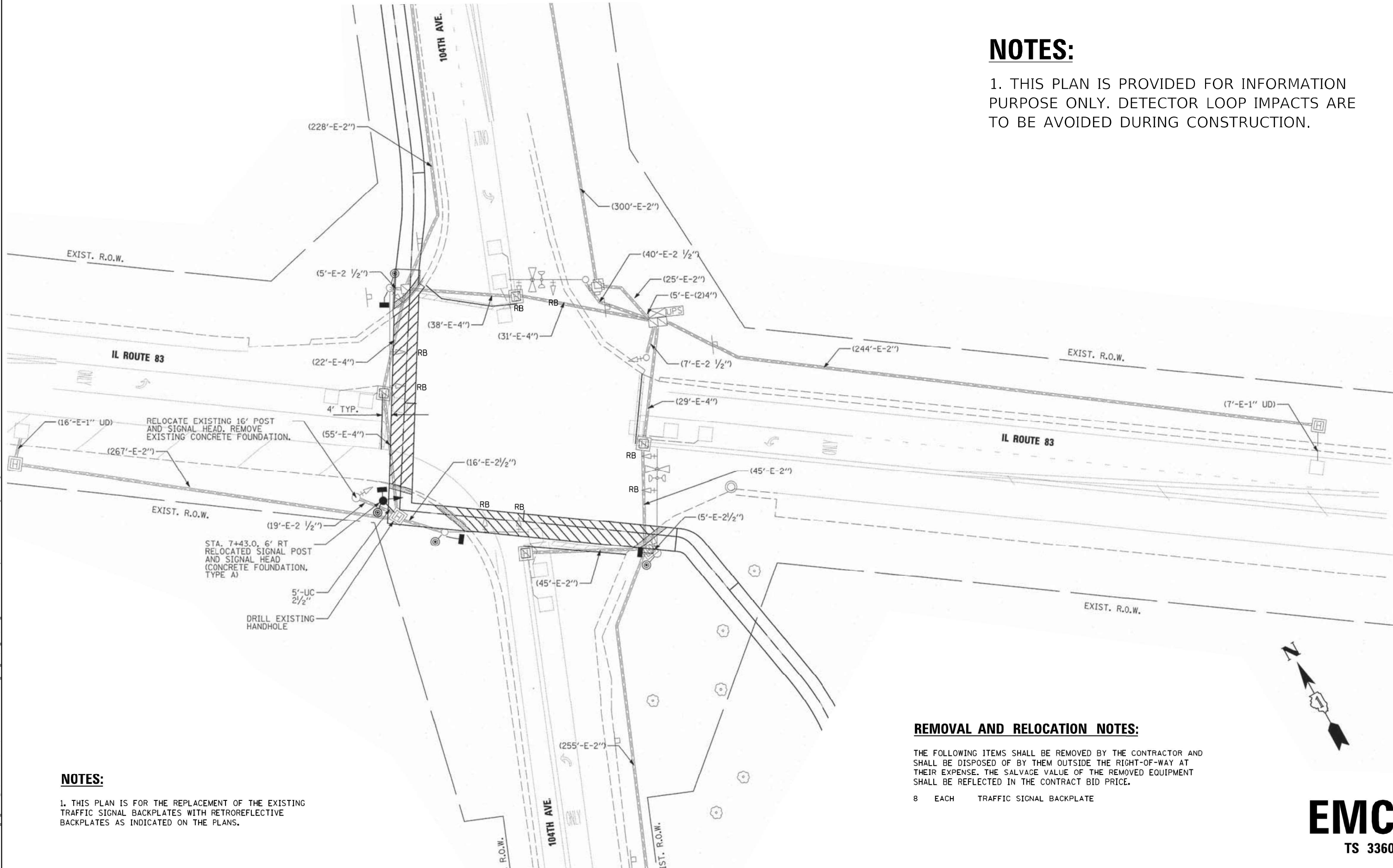
**IL 83 (IL 171 TO 127TH STREET)
PROPOSED ROADWAY AND PAVEMENT MARKING PLANS**

SCALE: 1"=50' SHEET 18 OF 18 SHEETS STA. 512+00 TO STA. 532+63

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344A	2021-042-CIS	COOK	37	21
CONTRACT NO. 62N68				
ILLINOIS FED. AID PROJECT				

NOTES:

1. THIS PLAN IS PROVIDED FOR INFORMATION PURPOSE ONLY. DETECTOR LOOP IMPACTS ARE TO BE AVOIDED DURING CONSTRUCTION.



NOTES:

1. THIS PLAN IS FOR THE REPLACEMENT OF THE EXISTING TRAFFIC SIGNAL BACKPLATES WITH RETROREFLECTIVE BACKPLATES AS INDICATED ON THE PLANS.

REMOVAL AND RELOCATION NOTES:

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

8 EACH TRAFFIC SIGNAL BACKPLATE



EMC
TS 3360

MODEL: Default
 FILE NAME: p:\projects\62266\62266.dwg
 USER: jg
 PLOT DATE: 6/9/2022
 PLOT SCALE: 1/8" = 1'-0"
 PLOT SIZE: 36" x 48"

HDR
HDR ENGINEERING, INC.
9450 W. BRYN MAWR AVE.
ROSEMONT, IL 60018

USER NAME = ANAGY	DESIGNED -	REVISED -
PLOT SCALE = 200,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 6/9/2022	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

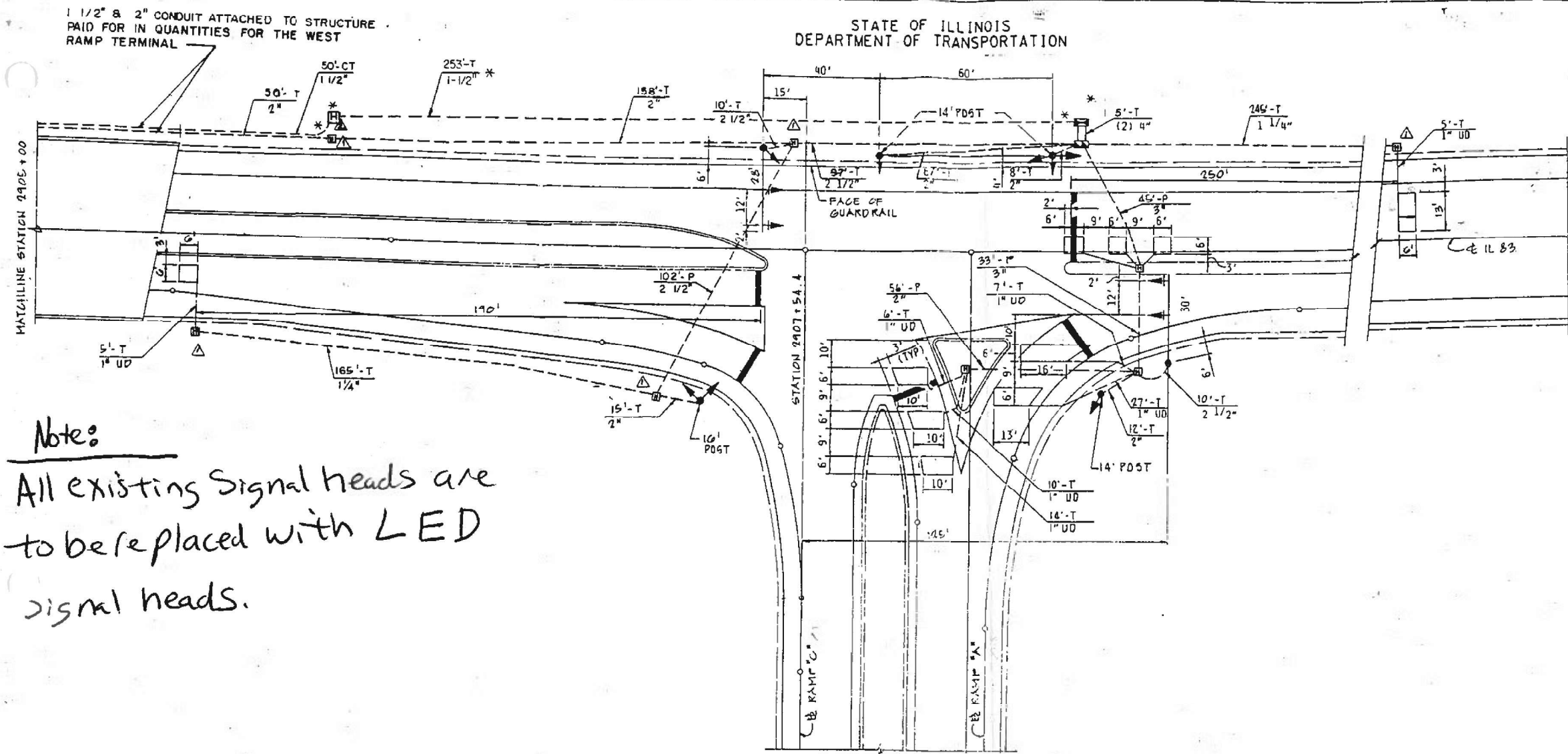
IL ROUTE 83
EXISTING TRAFFIC SIGNAL PLAN (FOR INFORMATION ONLY)

SCALE: SHEET 1 OF 8 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344A	2021-042-CIS	COOK	37	22
CONTRACT NO. 62N68				
ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 124	#	COOK	90	90
ILLINOIS FED. AID PROJECT				
* 525 HB-K (89)				



TRAFFIC SIGNAL LEGEND

	PROPOSED
CONTROLLER	[Symbol]
SERVICE INSTALLATION	[Symbol]
SIGNAL HEAD	[Symbol]
SIGNAL HEAD WITH BACKPLATE	[Symbol]
SIGNAL POST	[Symbol]
MAST ARM ASSEMBLY AND POLE, STEEL	[Symbol]
HANDHOLE	[Symbol]
HEAVY DUTY HANDHOLE	[Symbol]
DOUBLE HANDHOLE	[Symbol]
PVC CONDUIT IN TRENCH	[Symbol]
DETECTOR LOOP	[Symbol]
COMMON TRENCH	[Symbol]
GALVANIZED STEEL CONDUIT	[Symbol]
UPPER NUMERAL INDICATES LENGTH	[Symbol]
T INDICATES CONDUIT IN TRENCH	[Symbol]
P INDICATES CONDUIT TO BE PUSHED	[Symbol]
LOWER NUMERAL INDICATES SIZE OF CONDUIT	[Symbol]

Note:
All existing signal heads are to be replaced with LED signal heads.

- * 1. REVISED POWER.
- 2. ADDED SERVICE INSTALLATION TYPE "E"
- 3. ADDED HEAVY-DUTY HANDHOLE

- △ 1. REVISE POWER
- 2. REVISE CONDUIT RUNS ON NORTH AND WEST SIDES
- 3. ADD HEAVY DUTY HANDHOLES IN PLACE OF REGULAR

NOTES:

1. THIS PLAN IS PROVIDED FOR INFORMATION PURPOSE ONLY. DETECTOR LOOP IMPACTS ARE TO BE AVOIDED DURING CONSTRUCTION.

REVISIONS	
NAME	DATE
DAZ	3-29-90
RKF H.H. CON.	6-6-90

ILLINOIS DEPARTMENT OF TRANSPORTATION
GEOMETRIC PLAN AND SIGNAL LAYOUT EAST TERMINAL U.S. 45 & ILL. 83

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HDR
HDR ENGINEERING, INC.
9450 W. BRYN MAWR AVE.
ROSEMONT, IL 60018

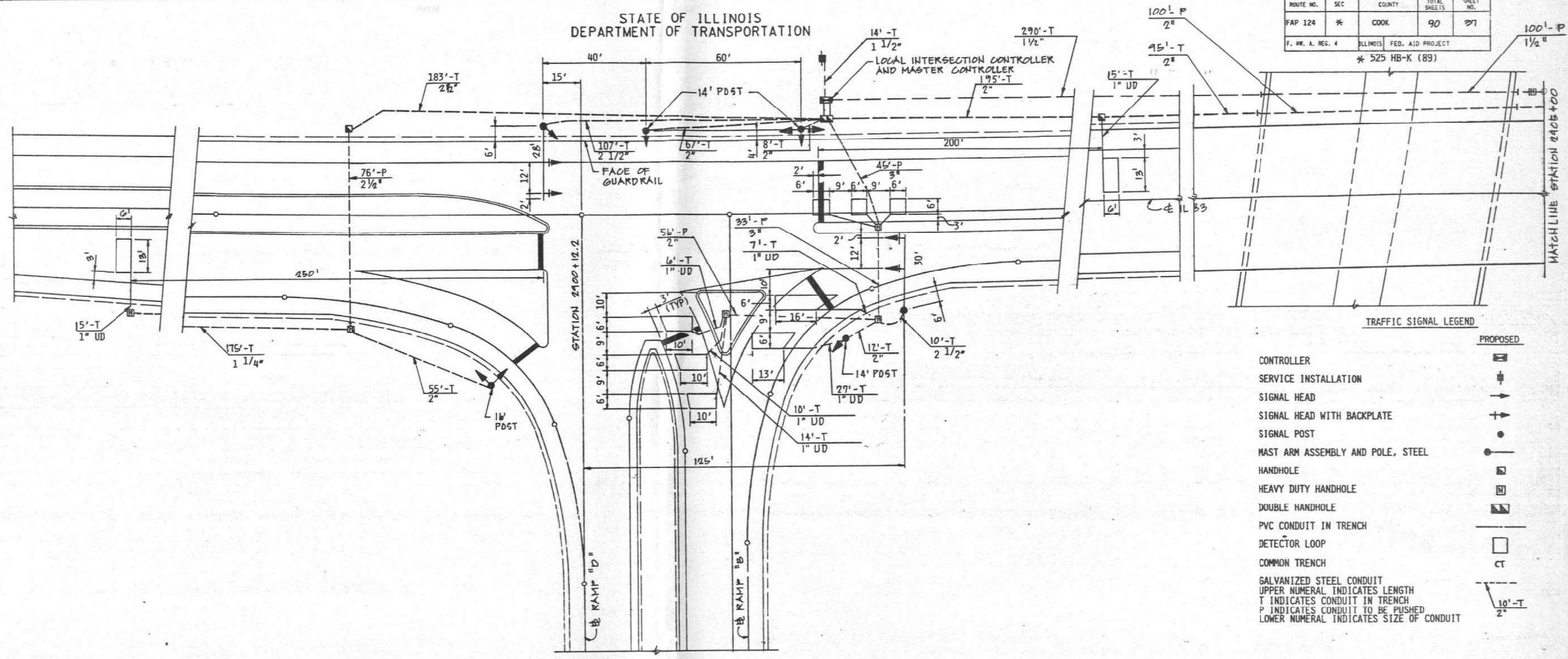
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PLOT DATE = 6/9/2022	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 83
EXISTING TRAFFIC SIGNAL PLAN (FOR INFORMATION ONLY)
SCALE: SHEET 2 OF 8 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344A	2021-042-CIS	COOK	37	23
CONTRACT NO. 62N68				
ILLINOIS FED. AID PROJECT				

ROUTE NO.	SEC	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 124	*	COOK	90	87
F. W. A. REG. 4		ILLINOIS	FED. AID PROJECT	
* 525 HB-K (89)				



TRAFFIC SIGNAL LEGEND

	PROPOSED
CONTROLLER	
SERVICE INSTALLATION	
SIGNAL HEAD	
SIGNAL HEAD WITH BACKPLATE	
SIGNAL POST	
MAST ARM ASSEMBLY AND POLE, STEEL	
HANDHOLE	
HEAVY DUTY HANDHOLE	
DOUBLE HANDHOLE	
PVC CONDUIT IN TRENCH	
DETECTOR LOOP	
COMMON TRENCH	
GALVANIZED STEEL CONDUIT	
UPPER NUMERAL INDICATES LENGTH	
T INDICATES CONDUIT IN TRENCH	
P INDICATES CONDUIT TO BE PUSHED	
LOWER NUMERAL INDICATES SIZE OF CONDUIT	

NOTES:

1. THIS PLAN IS PROVIDED FOR INFORMATION PURPOSE ONLY. DETECTOR LOOP IMPACTS ARE TO BE AVOIDED DURING CONSTRUCTION.

STANLEY CONSULTANTS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
GEOMETRIC PLAN AND SIGNAL LAYOUT
WEST TERMINAL
U.S. 45 & ILL. 83

SCALE: 1" = 20'
DATE 4-25-89

DRAWN BY
CHECKED BY

REV. 6-16-89

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HDR
HDR ENGINEERING, INC.
9450 W. BRYN MAWR AVE.
ROSEMONT, IL 60018

USER NAME = ANAGY	DESIGNED -	REVISED -
PLOT SCALE = 200,0000' / in.	DRAWN -	REVISED -
DATE = 6/9/2022	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

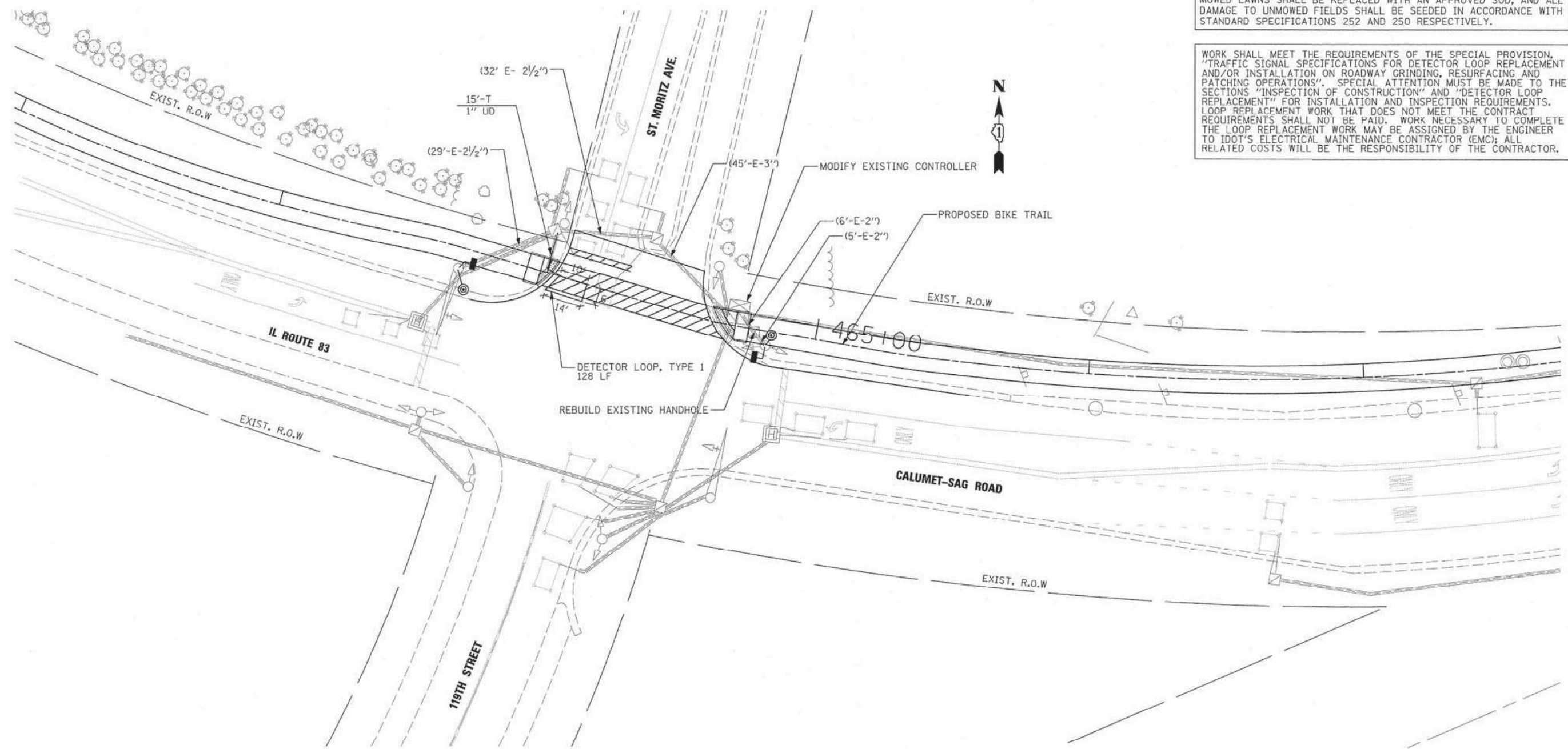
**IL ROUTE 83
EXISTING TRAFFIC SIGNAL PLAN (FOR INFORMATION ONLY)**

SCALE: SHEET 3 OF 8 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344A	2021-042-CIS	COOK	37	24
CONTRACT NO. 62N68				
ILLINOIS FED. AID PROJECT				

RESTORATION OF WORK AREA, RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN THE COST OF THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDING IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "TRAFFIC SIGNAL SPECIFICATIONS FOR DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION ON ROADWAY GRINDING, RESURFACING AND PATCHING OPERATIONS". SPECIAL ATTENTION MUST BE MADE TO THE SECTIONS "INSPECTION OF CONSTRUCTION" AND "DETECTOR LOOP REPLACEMENT" FOR INSTALLATION AND INSPECTION REQUIREMENTS. LOOP REPLACEMENT WORK THAT DOES NOT MEET THE CONTRACT REQUIREMENTS SHALL NOT BE PAID. WORK NECESSARY TO COMPLETE THE LOOP REPLACEMENT WORK MAY BE ASSIGNED BY THE ENGINEER TO IDOT'S ELECTRICAL MAINTENANCE CONTRACTOR (EMC); ALL RELATED COSTS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

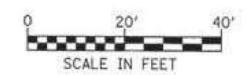


NOTES:

1. THIS PLAN IS PROVIDED FOR INFORMATION PURPOSE ONLY. DETECTOR LOOP IMPACTS ARE TO BE AVOIDED DURING CONSTRUCTION.

NOTES:

1. ALL PEDESTRIAN SIGNAL HEADS TO BE L.E.D. (LIGHT EMITTING DIODE).
2. ANY DAMAGE TO THE PROPOSED SIDEWALKS SHALL BE REPLACED IN KIND BY THE CONTRACTOR AT NO ADDITIONAL COST.
3. FOR DETAILS SEE DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS.



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HDR HDR ENGINEERING, INC.
9450 W. BRYN MAWR AVE.
ROSEMONT, IL 60018

USER NAME = ANAGY	DESIGNED -	REVISED -
PLOT SCALE = 200,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 6/9/2022	CHECKED -	REVISED -
	DATE -	REVISED -

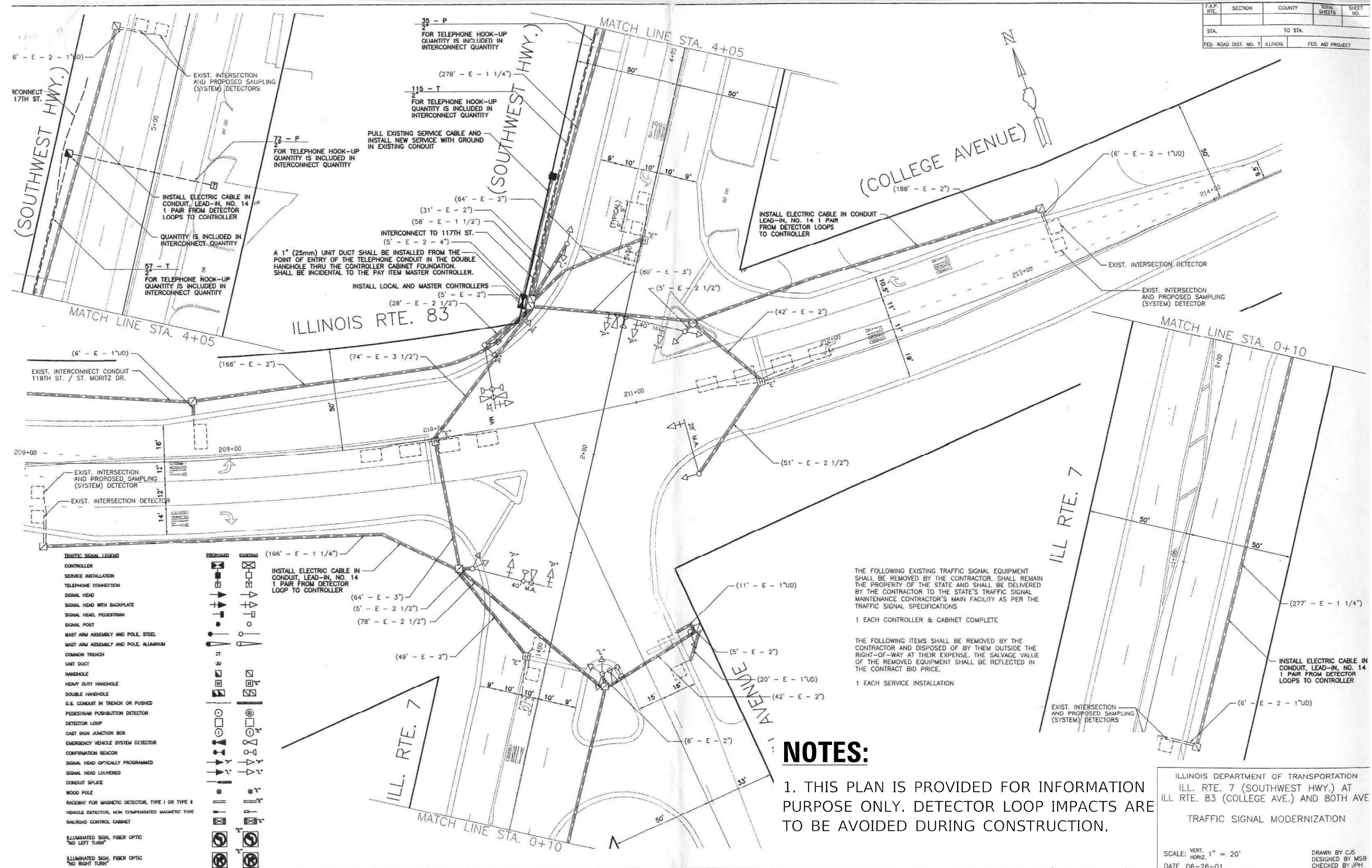
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 83
EXISTING TRAFFIC SIGNAL PLAN (FOR INFORMATION ONLY)**

SCALE: SHEET 4 OF 8 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344A	2021-042-CIS	COOK	37	25
CONTRACT NO. 62N68				
ILLINOIS FED. AID PROJECT				

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344A	2021-042-CIS	COOK	37	26



TRAFFIC SIGNAL LEGEND	PROPOSED	EXISTING
CONTROLLER	[Symbol]	[Symbol]
SERVICE INSTALLATION	[Symbol]	[Symbol]
TELEPHONE CONNECTION	[Symbol]	[Symbol]
SIGNAL HEAD	[Symbol]	[Symbol]
SIGNAL HEAD WITH BACKPLATE	[Symbol]	[Symbol]
SIGNAL HEAD, PEDESTRIAN	[Symbol]	[Symbol]
SIGNAL POST	[Symbol]	[Symbol]
MAST ARM ASSEMBLY AND POLE, STEEL	[Symbol]	[Symbol]
MAST ARM ASSEMBLY AND POLE, ALUMINUM	[Symbol]	[Symbol]
COMMON TRENCH	[Symbol]	[Symbol]
UNIT DUCT	[Symbol]	[Symbol]
HANDHOLE	[Symbol]	[Symbol]
HEAVY DUTY HANDHOLE	[Symbol]	[Symbol]
DOUBLE HANDHOLE	[Symbol]	[Symbol]
G.S. CONDUIT IN TRENCH OR PUSHED	[Symbol]	[Symbol]
PEDESTRIAN PUSHBUTTON DETECTOR	[Symbol]	[Symbol]
DETECTOR LOOP	[Symbol]	[Symbol]
CAST IRON JUNCTION BOX	[Symbol]	[Symbol]
EMERGENCY VEHICLE SYSTEM DETECTOR	[Symbol]	[Symbol]
CONFIRMATION BEACON	[Symbol]	[Symbol]
SIGNAL HEAD OPTICALLY PROGRAMMED	[Symbol]	[Symbol]
SIGNAL HEAD LOUVERED	[Symbol]	[Symbol]
CONDUIT SPLICE	[Symbol]	[Symbol]
WOOD POLE	[Symbol]	[Symbol]
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II	[Symbol]	[Symbol]
VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE	[Symbol]	[Symbol]
RAILROAD CONTROL CABINET	[Symbol]	[Symbol]
ILLUMINATED SIGN, FIBER OPTIC "NO LEFT TURN"	[Symbol]	[Symbol]
ILLUMINATED SIGN, FIBER OPTIC "NO RIGHT TURN"	[Symbol]	[Symbol]

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR. SHALL REMAIN THE PROPERTY OF THE STATE AND SHALL BE DELIVERED BY THE CONTRACTOR TO THE STATE'S TRAFFIC SIGNAL MAINTENANCE CONTRACTOR'S MAIN FACILITY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS

1 EACH CONTROLLER & CABINET COMPLETE

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

1 EACH SERVICE INSTALLATION

NOTES:

1. THIS PLAN IS PROVIDED FOR INFORMATION PURPOSE ONLY. DETECTOR LOOP IMPACTS ARE TO BE AVOIDED DURING CONSTRUCTION.

ILLINOIS DEPARTMENT OF TRANSPORTATION
ILL. RTE. 7 (SOUTHWEST HWY.) AT
ILL. RTE. 83 (COLLEGE AVE.) AND 80TH AVE
TRAFFIC SIGNAL MODERNIZATION

SCALE: VERT. 1" = 20'
HORIZ. 1" = 20'
DATE 06-26-01
DRAWN BY CJS
DESIGNED BY MSB
CHECKED BY JPH

REVISION USER NAME = ANAGY DESIGNED - DRAWN - PLOT SCALE = 200,000' / in. CHECKED - DATE = 6/9/2022		SOUTHWEST HIGHWAY AND 117TH STREET INTERSECTION IMPROVEMENTS DESIGNED - DRAWN - CHECKED - DATE -		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		IL ROUTE 83 EXISTING TRAFFIC SIGNAL PLAN (FOR INFORMATION ONLY)		PROJECT NO. 812.3.18 DRAWN BY CJS DESIGN ENG. MSB PROJECT MGR.		SHEET NO. TOTAL SHEETS 37 SHEET NO. 26 CONTRACT NO. 62N68	
HDR ENGINEERING, INC. 9450 W. BRYN MAWR AVE. ROSEMONT, IL 60018				SCALE: SHEET 5 OF 8 SHEETS STA. TO STA.		ILLINOIS FED. AID PROJECT					

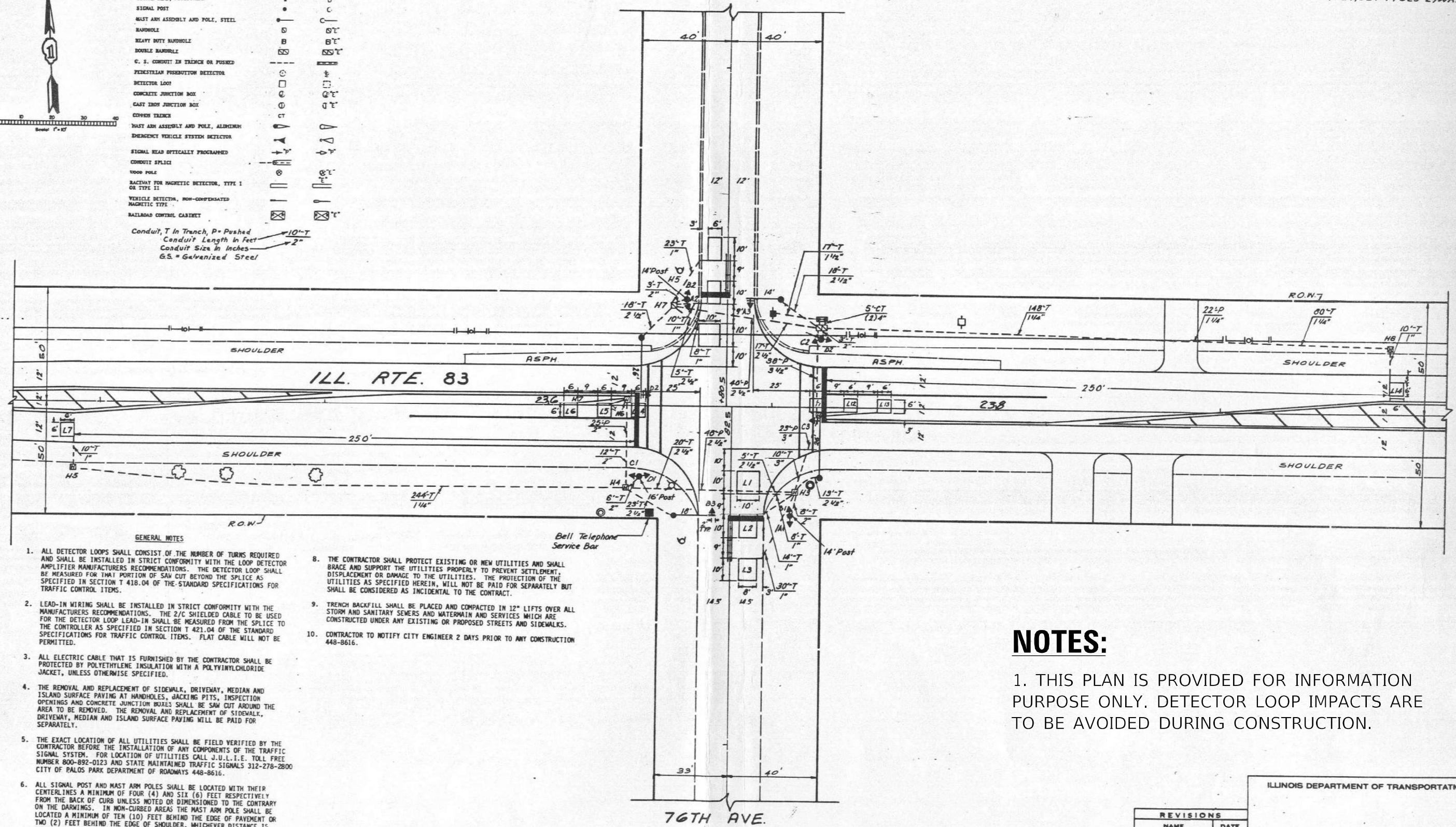
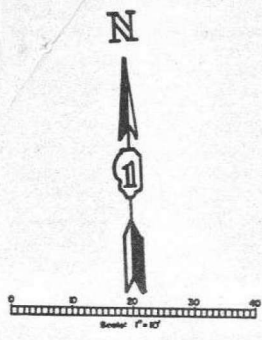
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F.A.P. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
624	*	COOK	97	84
3588				
STA. 234+60		TO STA. 240+00		
FED. ROAD DIST. NO. 7		ILLINOIS		FED. AID PROJECT
*(1524,524-1+525-2)WRS(80)				

TRAFFIC SIGNAL LEGEND

CONTROLLER	PROPOSED	EXISTING
SERVICE INSTALLATION	[Symbol]	[Symbol]
SIGNAL HEAD	[Symbol]	[Symbol]
SIGNAL HEAD WITH BACKPLATE	[Symbol]	[Symbol]
SIGNAL HEAD, PEDESTRIAN	[Symbol]	[Symbol]
SIGNAL POST	[Symbol]	[Symbol]
MAST ARM ASSEMBLY AND POLE, STEEL	[Symbol]	[Symbol]
HANDHOLE	[Symbol]	[Symbol]
HEAVY DUTY HANDHOLE	[Symbol]	[Symbol]
DOUBLE HANDHOLE	[Symbol]	[Symbol]
C. S. CONDUIT IN TRENCH OR PUSHED	[Symbol]	[Symbol]
PEDESTRIAN PROSECUTION DETECTOR	[Symbol]	[Symbol]
DETECTOR LOOP	[Symbol]	[Symbol]
CONCRETE JUNCTION BOX	[Symbol]	[Symbol]
CAST IRON JUNCTION BOX	[Symbol]	[Symbol]
CURB TRENCH	[Symbol]	[Symbol]
MAST ARM ASSEMBLY AND POLE, ALUMINUM	[Symbol]	[Symbol]
EMERGENCY VEHICLE SYSTEM DETECTOR	[Symbol]	[Symbol]
SIGNAL HEAD OPTICALLY PROGRAMMED	[Symbol]	[Symbol]
CONDUIT SPLICE	[Symbol]	[Symbol]
WOOD POLE	[Symbol]	[Symbol]
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II	[Symbol]	[Symbol]
VEHICLE DETECTOR, NON-COMPENSATED MAGNETIC TYPE	[Symbol]	[Symbol]
RAILROAD CONTROL CABINET	[Symbol]	[Symbol]

Conduit, T in Trench, P= Pushed
 Conduit Length in Feet → 10'-T
 Conduit Size in Inches → 2"
 G.S. = Galvanized Steel



- GENERAL NOTES**
- ALL DETECTOR LOOPS SHALL CONSIST OF THE NUMBER OF TURNS REQUIRED AND SHALL BE INSTALLED IN STRICT CONFORMITY WITH THE LOOP DETECTOR AMPLIFIER MANUFACTURERS RECOMMENDATIONS. THE DETECTOR LOOP SHALL BE MEASURED FOR THAT PORTION OF SAN CUT BEYOND THE SPLICE AS SPECIFIED IN SECTION T 418.04 OF THE STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS.
 - LEAD-IN WIRING SHALL BE INSTALLED IN STRICT CONFORMITY WITH THE MANUFACTURERS RECOMMENDATIONS. THE 2/C SHIELDED CABLE TO BE USED FOR THE DETECTOR LOOP LEAD-IN SHALL BE MEASURED FROM THE SPLICE TO THE CONTROLLER AS SPECIFIED IN SECTION T 421.04 OF THE STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS. FLAT CABLE WILL NOT BE PERMITTED.
 - ALL ELECTRIC CABLE THAT IS FURNISHED BY THE CONTRACTOR SHALL BE PROTECTED BY POLYETHYLENE INSULATION WITH A POLYVINYLCHLORIDE JACKET, UNLESS OTHERWISE SPECIFIED.
 - THE REMOVAL AND REPLACEMENT OF SIDEWALK, DRIVEWAY, MEDIAN AND ISLAND SURFACE PAVING AT HANDHOLES, JACKING PITS, INSPECTION OPENINGS AND CONCRETE JUNCTION BOXES SHALL BE SAN CUT AROUND THE AREA TO BE REMOVED. THE REMOVAL AND REPLACEMENT OF SIDEWALK, DRIVEWAY, MEDIAN AND ISLAND SURFACE PAVING WILL BE PAID FOR SEPARATELY.
 - THE EXACT LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE THE INSTALLATION OF ANY COMPONENTS OF THE TRAFFIC SIGNAL SYSTEM. FOR LOCATION OF UTILITIES CALL J.U.L.I.E. TOLL FREE NUMBER 800-892-0123 AND STATE MAINTAINED TRAFFIC SIGNALS 312-278-2800 CITY OF PALOS PARK DEPARTMENT OF ROADWAYS 448-8616.
 - ALL SIGNAL POST AND MAST ARM POLES SHALL BE LOCATED WITH THEIR CENTERLINES A MINIMUM OF FOUR (4) AND SIX (6) FEET RESPECTIVELY FROM THE BACK OF CURB UNLESS NOTED OR DIMENSIONED TO THE CONTRARY ON THE DRAWINGS. IN NON-CURBED AREAS THE MAST ARM POLE SHALL BE LOCATED A MINIMUM OF TEN (10) FEET BEHIND THE EDGE OF PAVEMENT OR TWO (2) FEET BEHIND THE EDGE OF SHOULDER, WHICHEVER DISTANCE IS GREATER. SIGNAL POSTS SHOULD BE PLACED AT A MINIMUM OF TWO (2) FEET BEHIND THE EDGE OF THE SHOULDER.
 - FOR THE LOCATION OF ALL LOOPS AT THIS INTERSECTION, CONTACT THE I.D.O.T. AREA TRAFFIC SIGNAL ENGINEER AT WHO WILL MARK THE PAVEMENT FOR THE CUTTING OF THE LOOPS.

- THE CONTRACTOR SHALL PROTECT EXISTING OR NEW UTILITIES AND SHALL BRACE AND SUPPORT THE UTILITIES PROPERLY TO PREVENT SETTLEMENT, DISPLACEMENT OR DAMAGE TO THE UTILITIES. THE PROTECTION OF THE UTILITIES AS SPECIFIED HEREIN, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCIDENTAL TO THE CONTRACT.
- TRENCH BACKFILL SHALL BE PLACED AND COMPACTED IN 12" LIFTS OVER ALL STORM AND SANITARY SEWERS AND WATERMAIN AND SERVICES WHICH ARE CONSTRUCTED UNDER ANY EXISTING OR PROPOSED STREETS AND SIDEWALKS.
- CONTRACTOR TO NOTIFY CITY ENGINEER 2 DAYS PRIOR TO ANY CONSTRUCTION 448-8616.

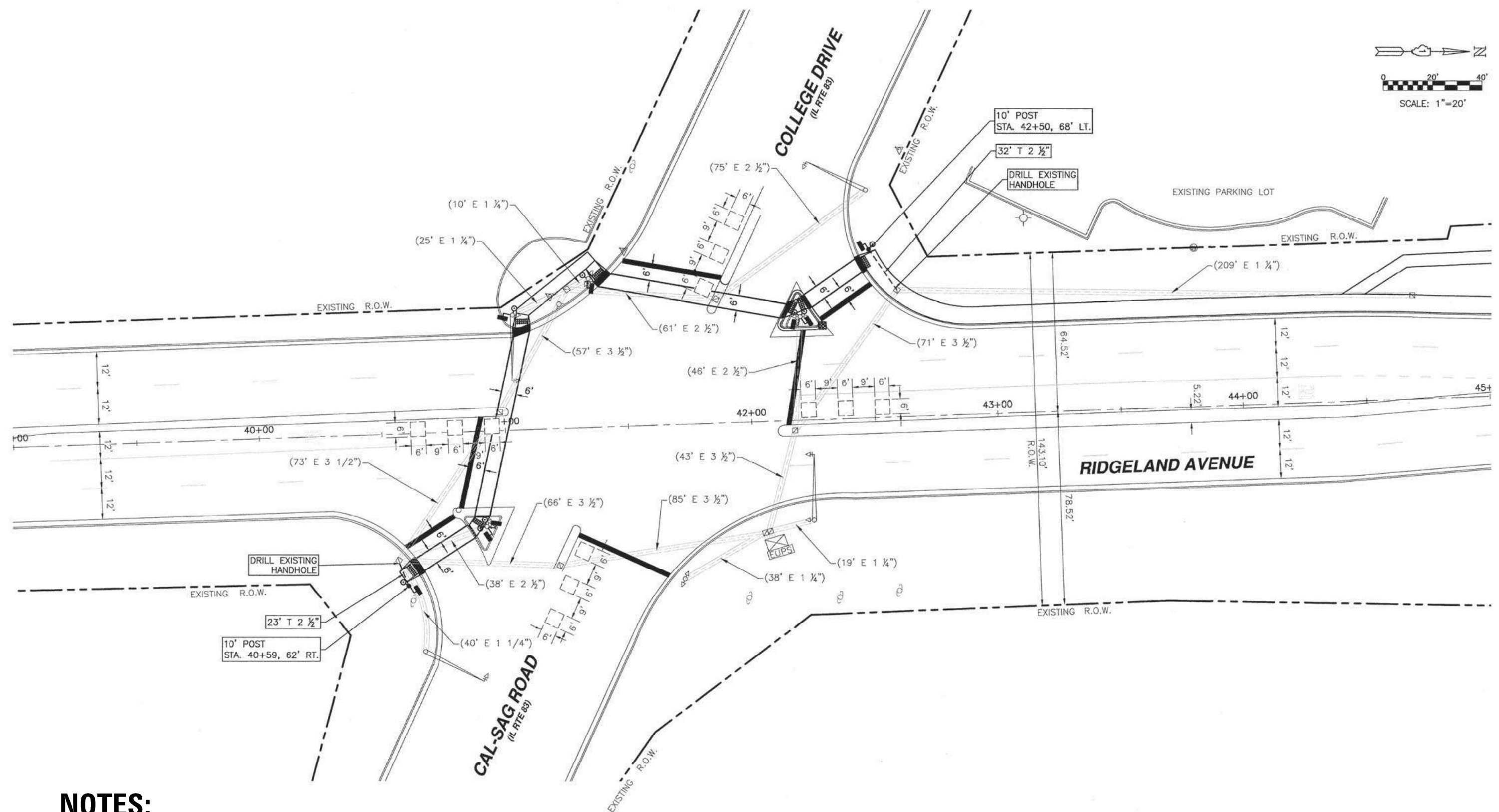
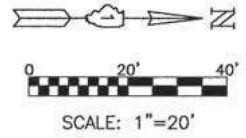
NOTES:

1. THIS PLAN IS PROVIDED FOR INFORMATION PURPOSE ONLY. DETECTOR LOOP IMPACTS ARE TO BE AVOIDED DURING CONSTRUCTION.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 ILL. RTE. 83 (CAL-SAG RD.)
 AT 76TH AVENUE
 SCALE: VERT. 1"=20' DRAWN BY J.CR16
 HORIZ. 1"=20' DATE JAN. 1984 CHECKED BY J.V.

PROPOSED TRAFFIC SIGNAL INSTALLATION ILL Rte 83 AT 76th Av.



NOTES:

1. THIS PLAN IS PROVIDED FOR INFORMATION PURPOSE ONLY. DETECTOR LOOP IMPACTS ARE TO BE AVOIDED DURING CONSTRUCTION.

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USER NAME = ANAGY	DESIGNED -	REVISED -
PLOT SCALE = 200,0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 6/9/2022	CHECKED -	REVISED -
	DATE -	REVISED -

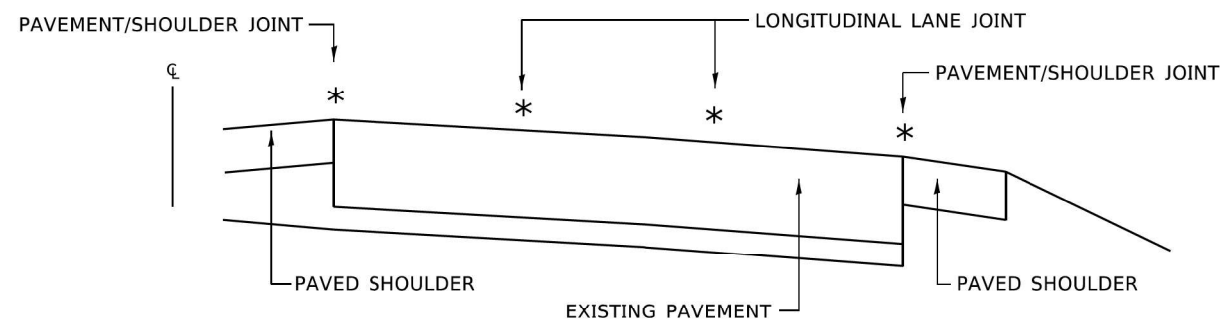
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 83
EXISTING TRAFFIC SIGNAL PLAN (FOR INFORMATION ONLY)**

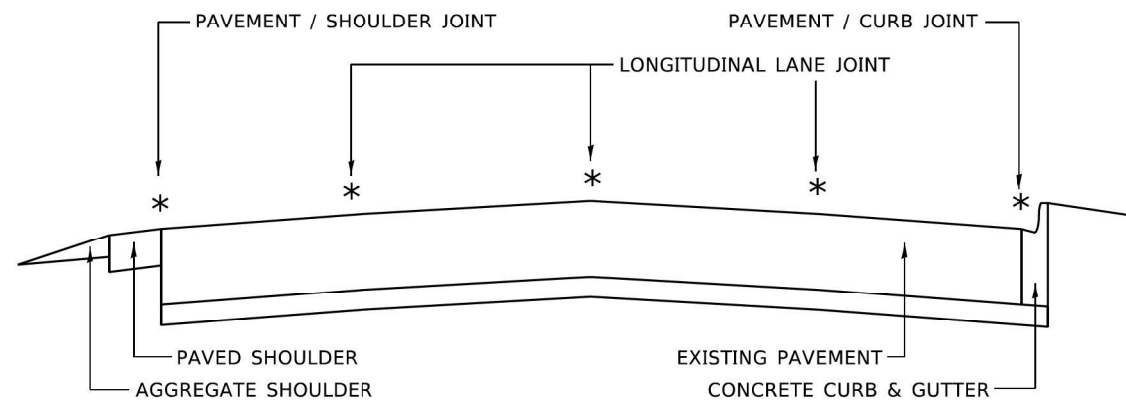
SCALE: SHEET 8 OF 8 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344A	2021-042-CIS	COOK	37	29
CONTRACT NO. 62N68				
ILLINOIS FED. AID PROJECT				

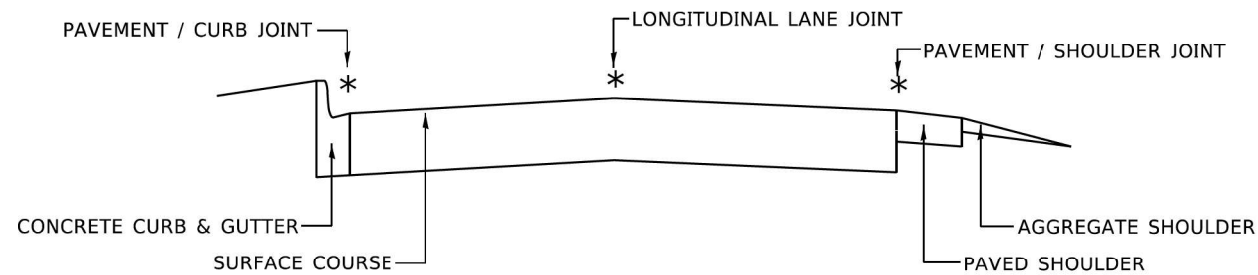
TS #35



MULTI-LANE DIVIDED PAVEMENT



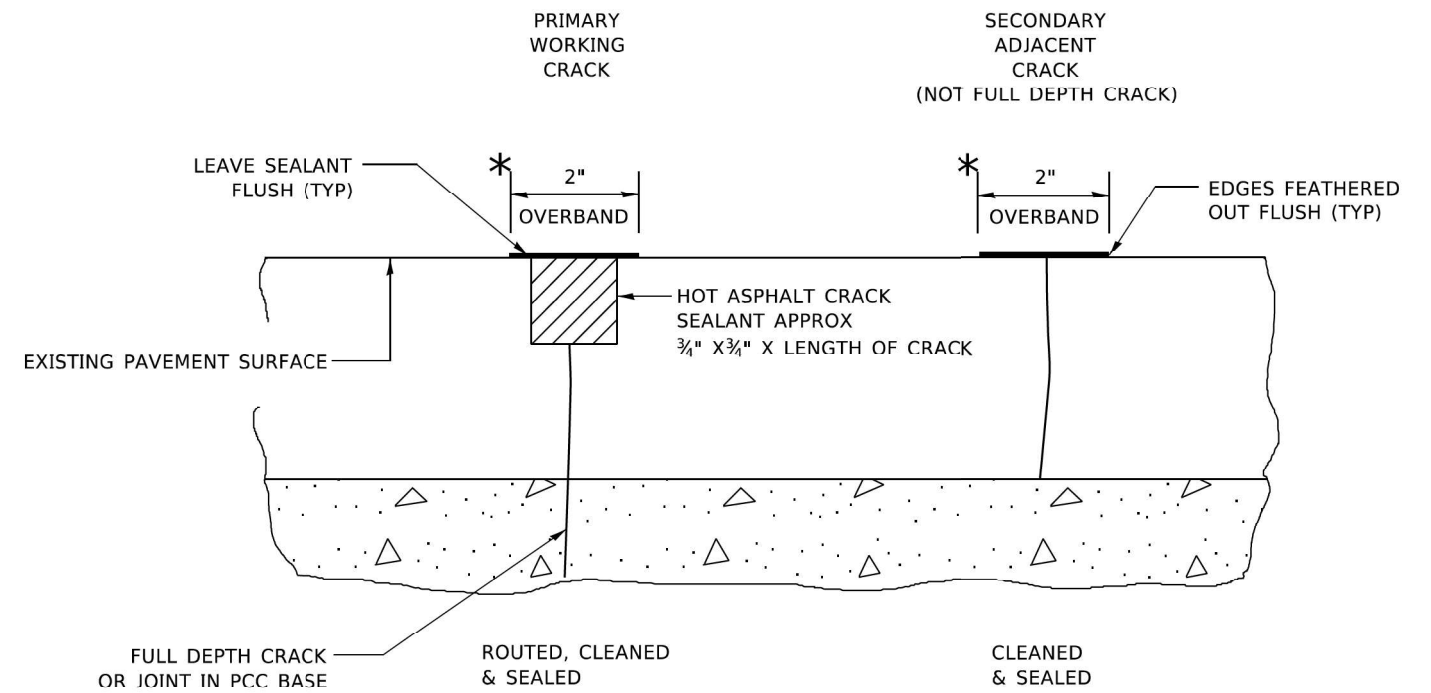
MULTI-LANE UNDIVIDED PAVEMENT



TWO-LANE PAVEMENT

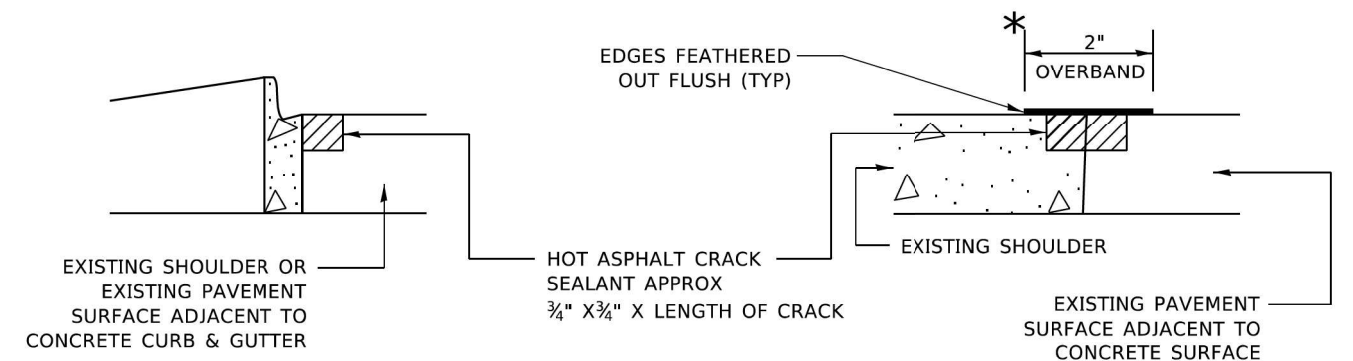
* PROPOSED LONGITUDINAL CRACK ROUTING (PAVEMENT) & CRACK FILLING LOCATIONS

**GENERAL EXISTING TYPICAL SECTIONS
(APPLIES TO HMA AND PCC PAVEMENTS)**



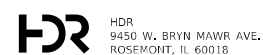
* IN ALL LOCATIONS WHERE THE LONGITUDINAL CRACK CONFLICTS WITH EXISTING PAVEMENT MARKINGS (EITHER EDGE LINE OR LANE LINE) THE CRACK SHALL BE ROUTED & THE RESULTING RESERVOIR FILLED WITH SEALANT. ALL DAMAGES TO EXISTING RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR. ALL EXISTING PAVEMENT MARKINGS WITHIN THE PROJECT LIMITS SHALL BE RESTORED WITH MODIFIED URETHANE PAVEMENT MARKINGS.

LONGITUDINAL JOINT



CRACK & JOINT SEALING DETAIL

MODEL: Defaul
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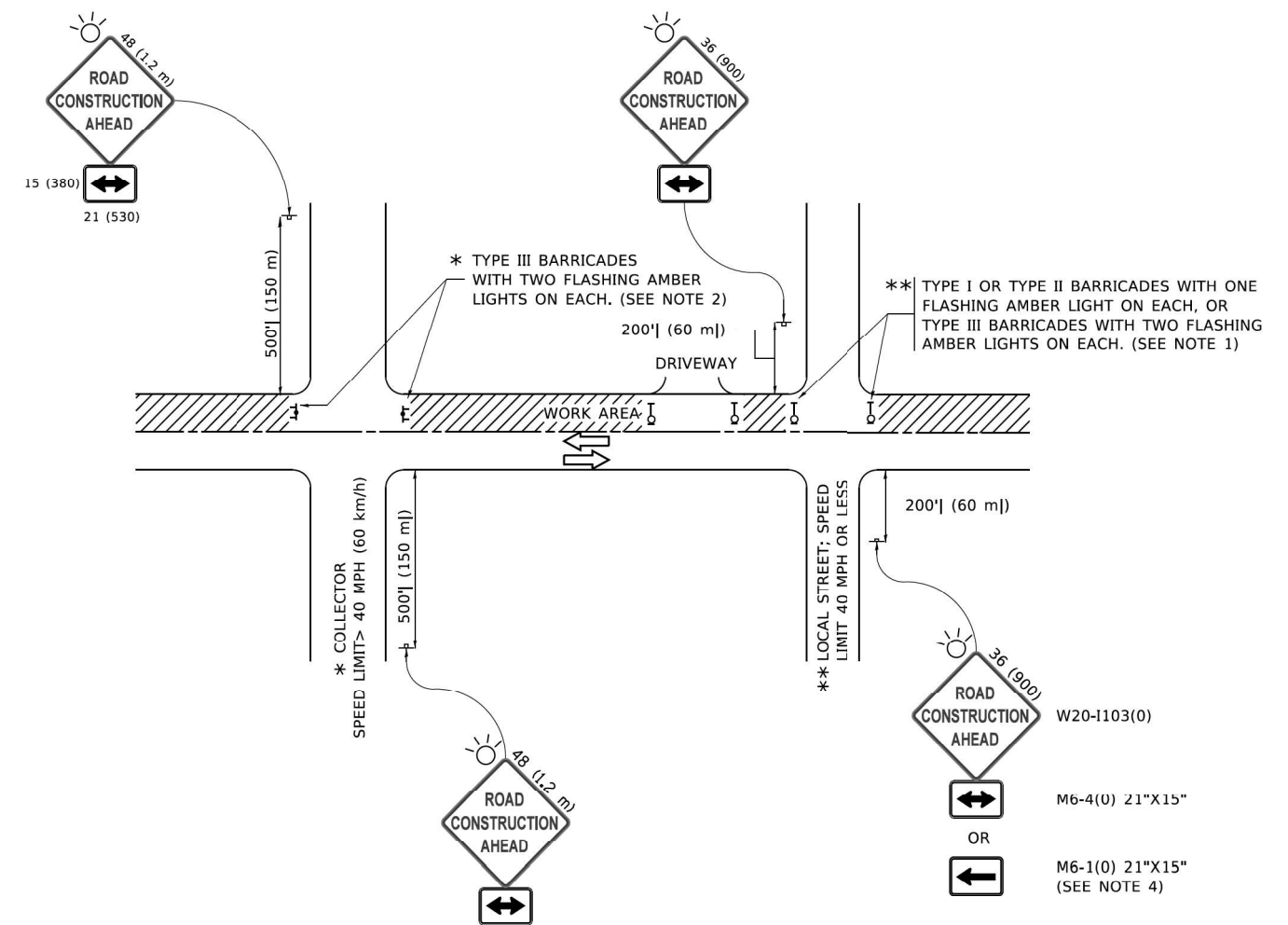
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PLOT DATE = 1/20/2022	DATE - 10/08/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CRACK & JOINT SEALING DETAIL (PD-11)

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344A	2021-042-CIS	COOK	37	30
CONTRACT NO. 62N68				
ILLINOIS FED. AID PROJECT				

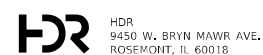


NOTES:

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

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

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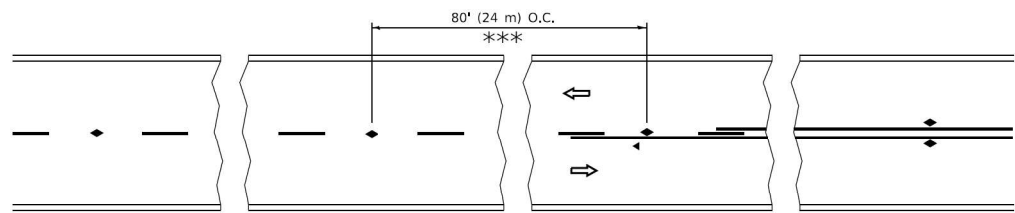
USER NAME = footemj	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96
PLOT SCALE = 50,0000' / 1"	CHECKED -	REVISED - T. RAMMACHER 01-06-00
PLOT DATE = 3/4/2019	DATE - 06-89	REVISED - A. SCHUETZE 07-01-13
		REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

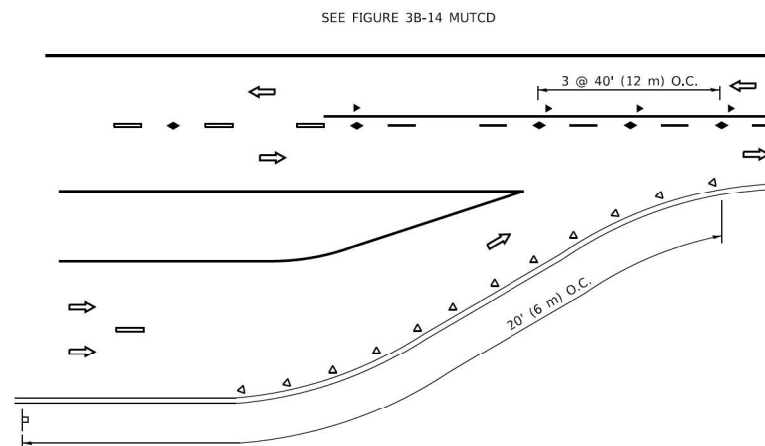
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344A	2021-042-CIS	COOK	37	31
TC-10			CONTRACT NO. 62N68	
ILLINOIS FED. AID PROJECT				

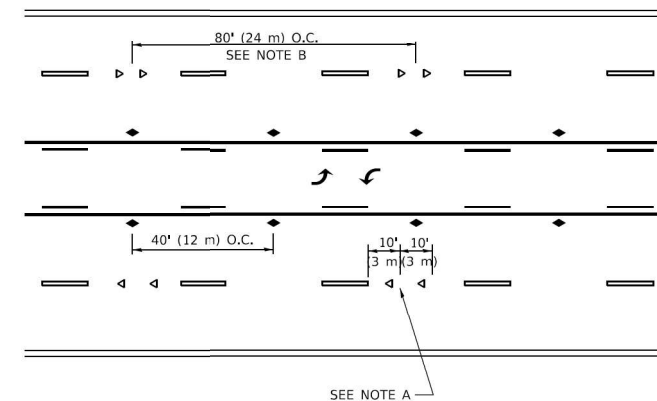


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

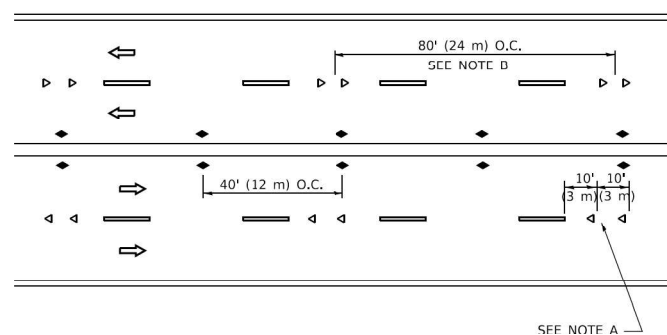
TWO-LANE/TWO-WAY



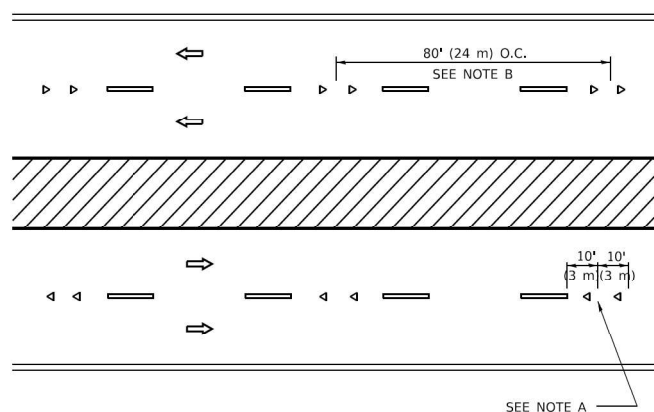
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

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

SYMBOLS

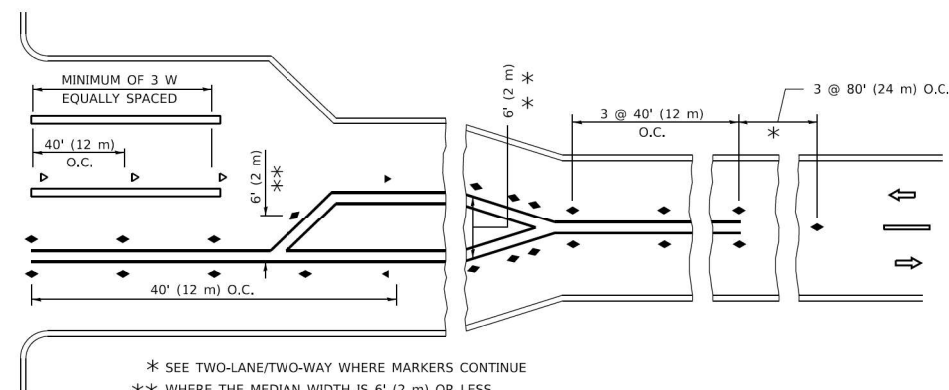
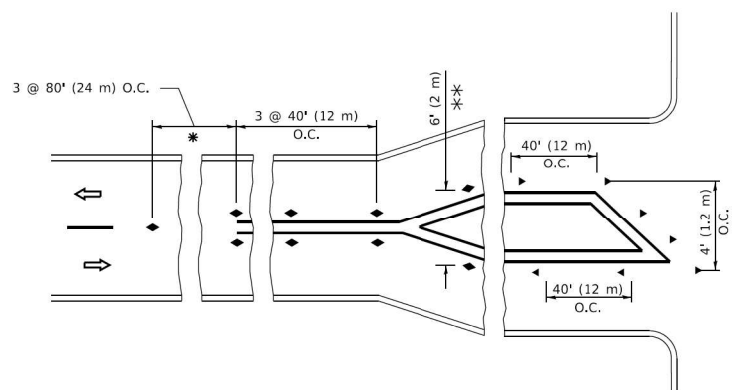
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

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

DESIGN NOTES

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



TURN LANES

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

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

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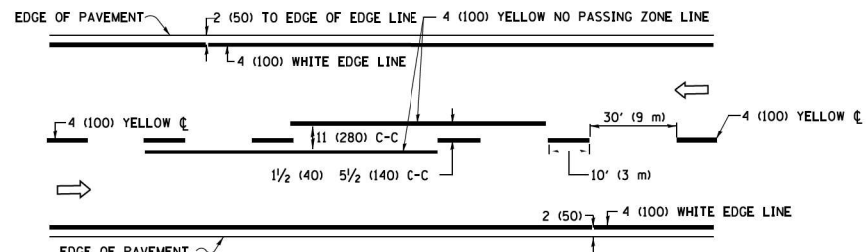
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	DRAWN -	REVISED - T. RAMMACHER 01-06-00
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PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 07-01-13

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CHECKED -	REVISED - C. JUCIUS 09-09-09
DATE -	REVISED - C. JUCIUS 07-01-13

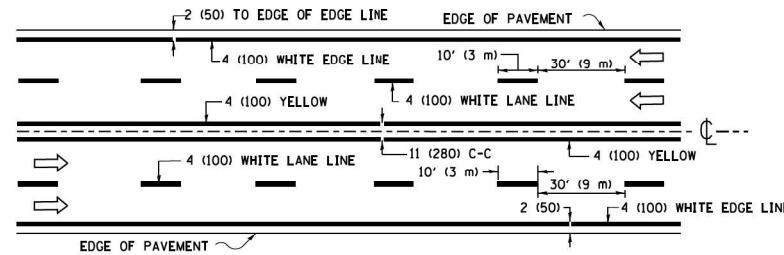
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TYPICAL APPLICATIONS			
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

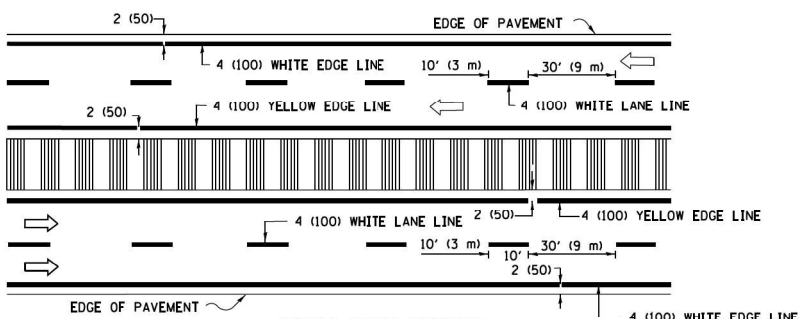
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344A	2021-042-CIS	COOK	37	32
TC-11		CONTRACT NO. 62N68		
ILLINOIS		FED. AID PROJECT		



2-LANE ROADWAY

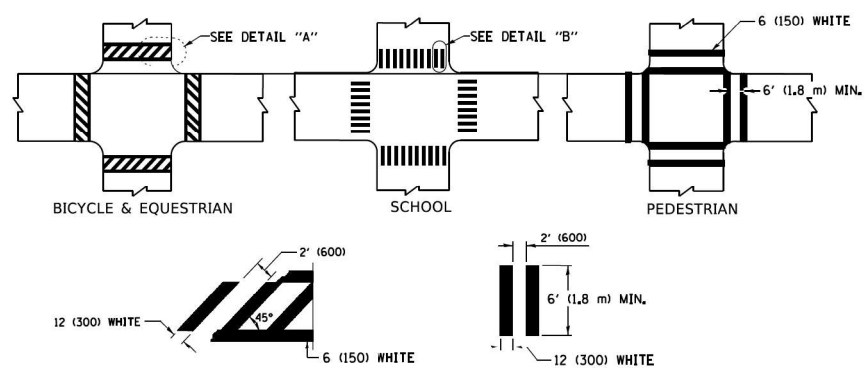


MULTI-LANE UNDIVIDED



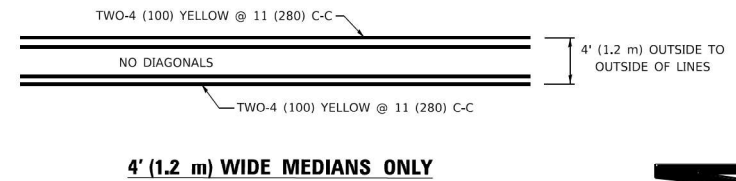
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

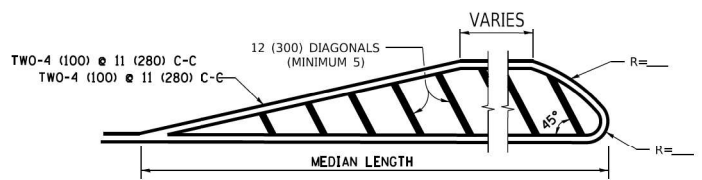


TYPICAL CROSSWALK MARKING

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

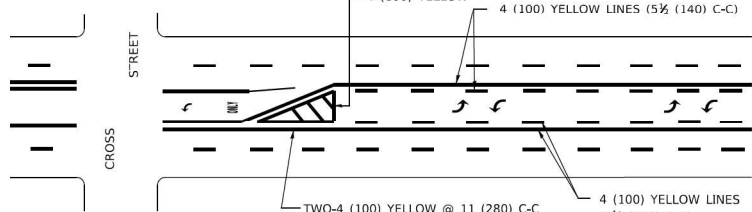


4' (1.2 m) WIDE MEDIANS ONLY



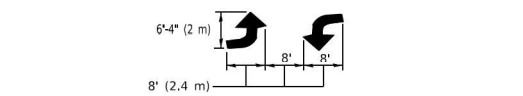
MEDIANS OVER 4' (1.2 m) WIDE

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



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

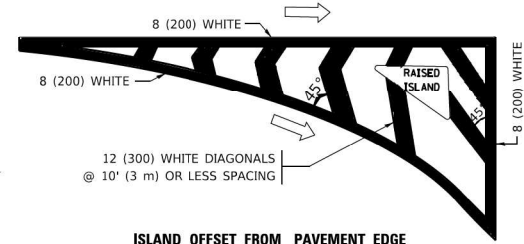
A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



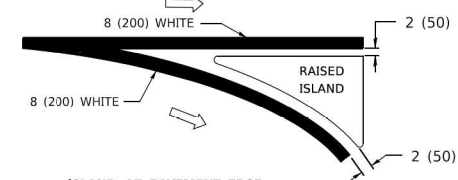
TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

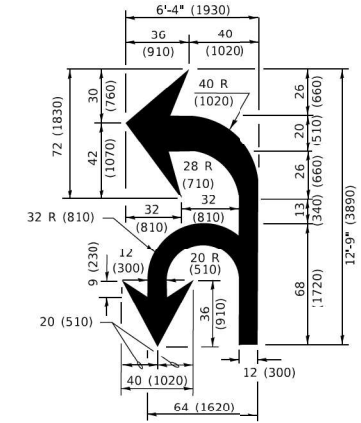
FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".



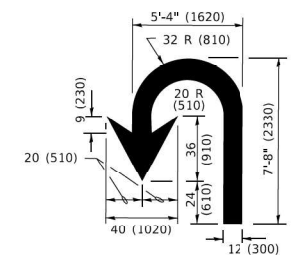
ISLAND OFFSET FROM PAVEMENT EDGE



**ISLAND AT PAVEMENT EDGE
TYPICAL ISLAND MARKING**



COMBINATION LEFT AND U-TURN



U-TURN

LANE REDUCTION TRANSITION

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

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

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

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

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

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USER NAME	DESIGNED	REVISED
= footemj	- EVERS	- C. JUCIUS 09-09-09
	- DRAWN	- C. JUCIUS 07-01-13
	- CHECKED	- C. JUCIUS 12-21-15
	- DATE	- C. JUCIUS 04-12-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE	
TYPICAL PAVEMENT MARKINGS	
SCALE: NONE	SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344A	2021-042-CIS	COOK	37	33
TC-13		CONTRACT NO. 62N68		
ILLINOIS FED. AID PROJECT				

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

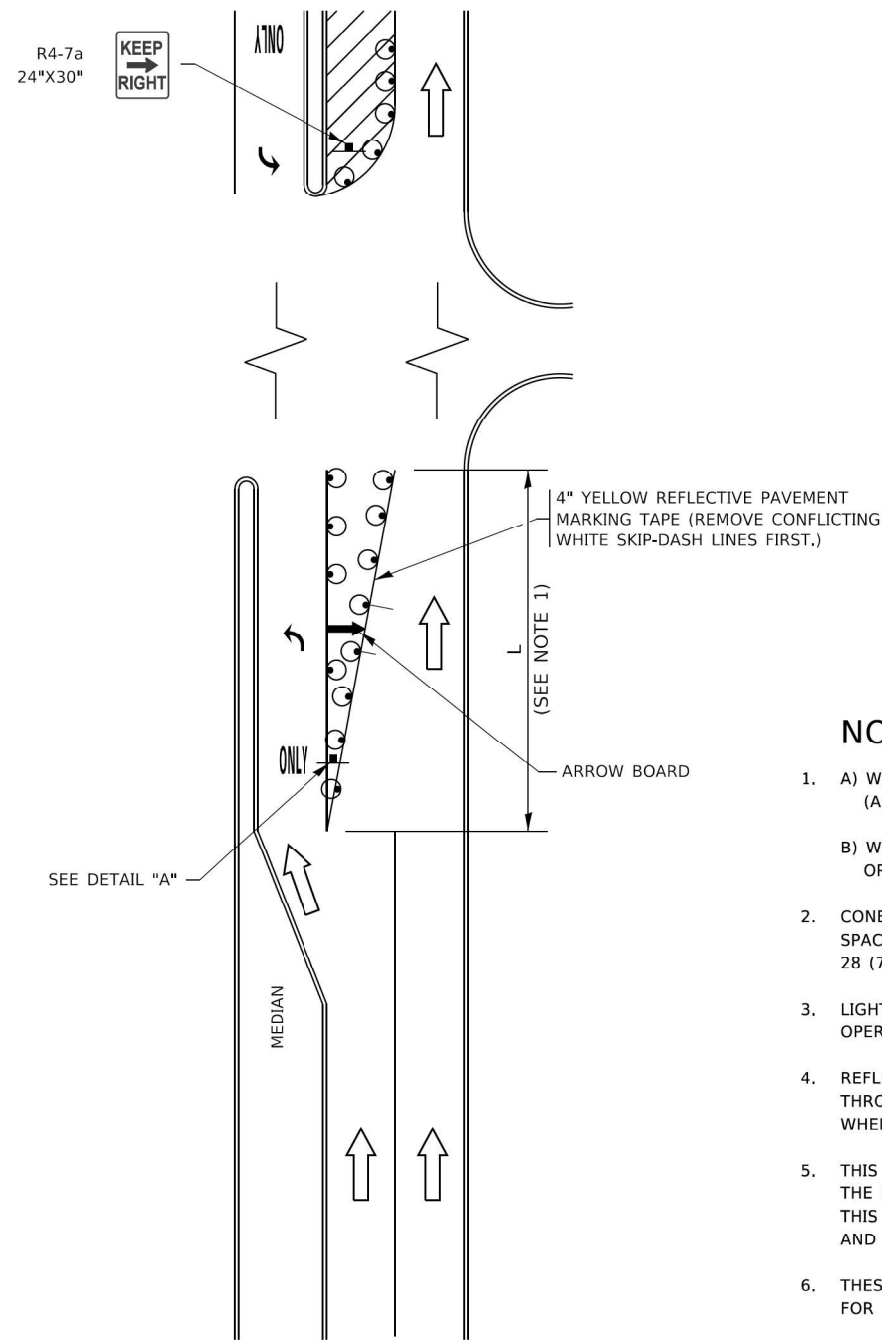


FIGURE 1

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

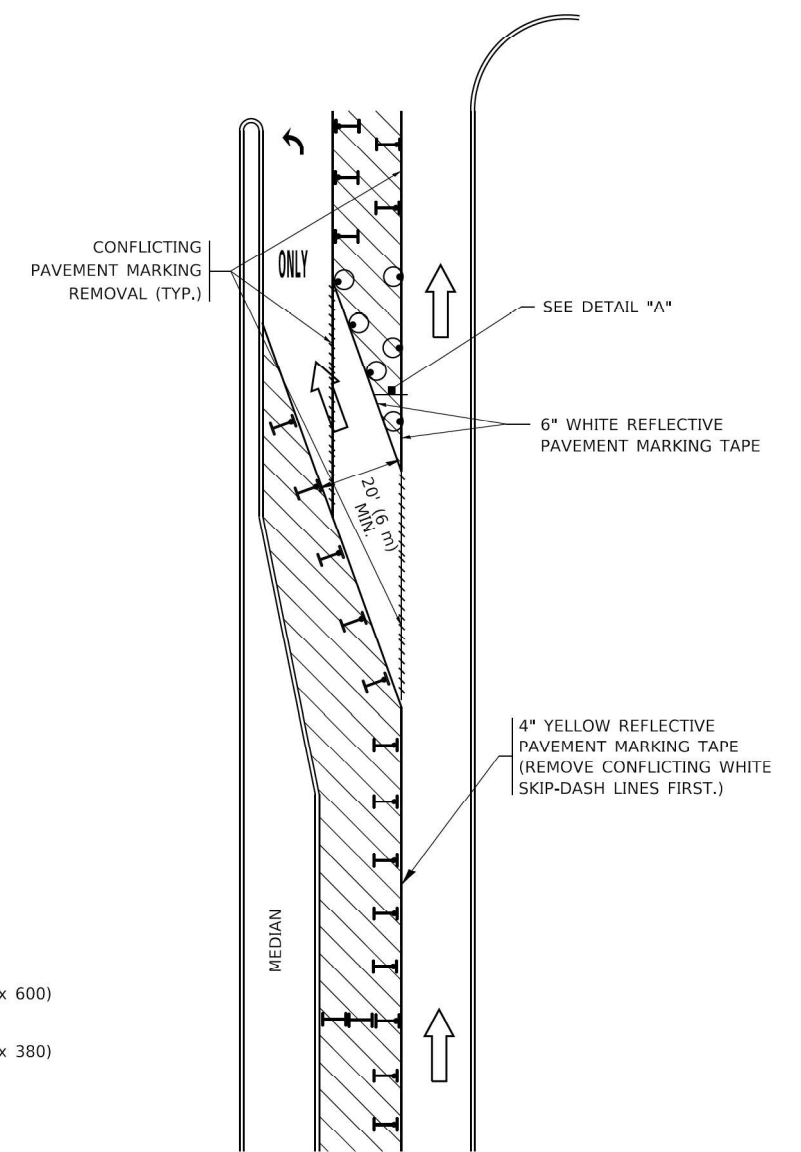


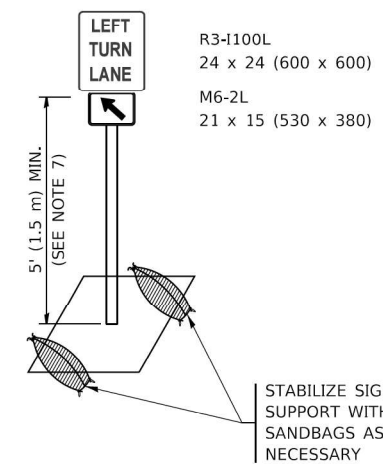
FIGURE 2

LEGEND

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

NOTES:

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



DETAIL A

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

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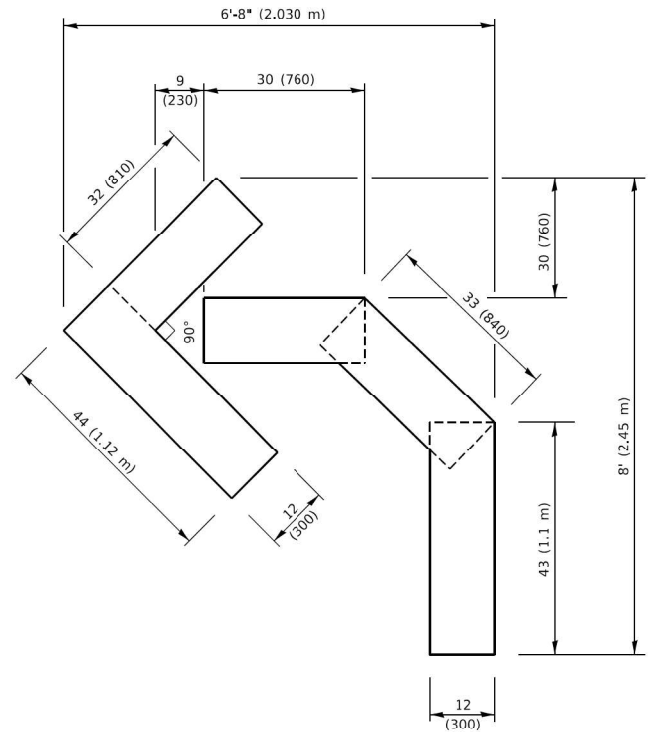
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	DRAWN - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13
PLOT SCALE = 50,0000' / 1"	CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16
PLOT DATE = 3/4/2019	DATE - T. RAMMACHER 01-06-00	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

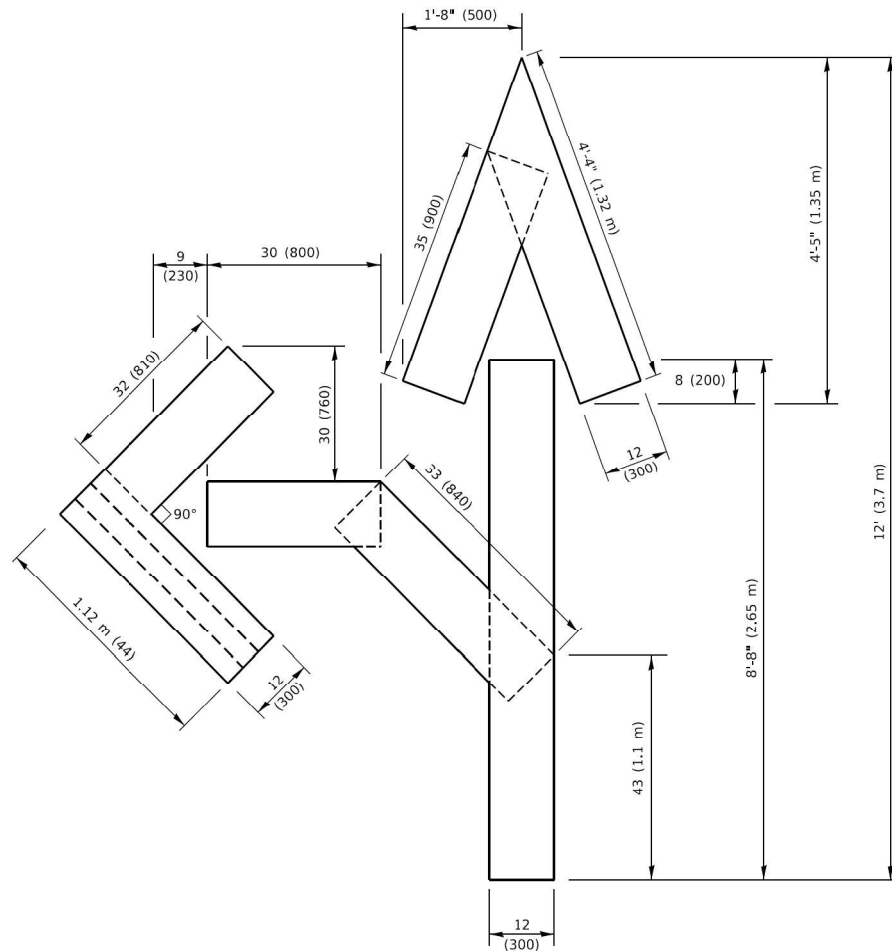
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-14		CONTRACT NO. 62N68		
ILLINOIS FED. AID PROJECT				



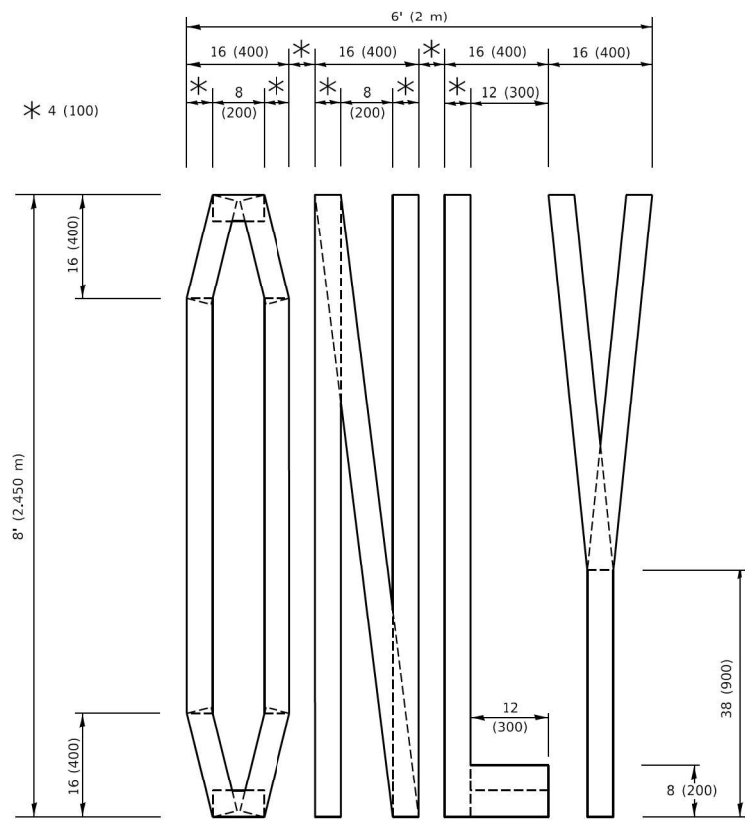
QUANTITY

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



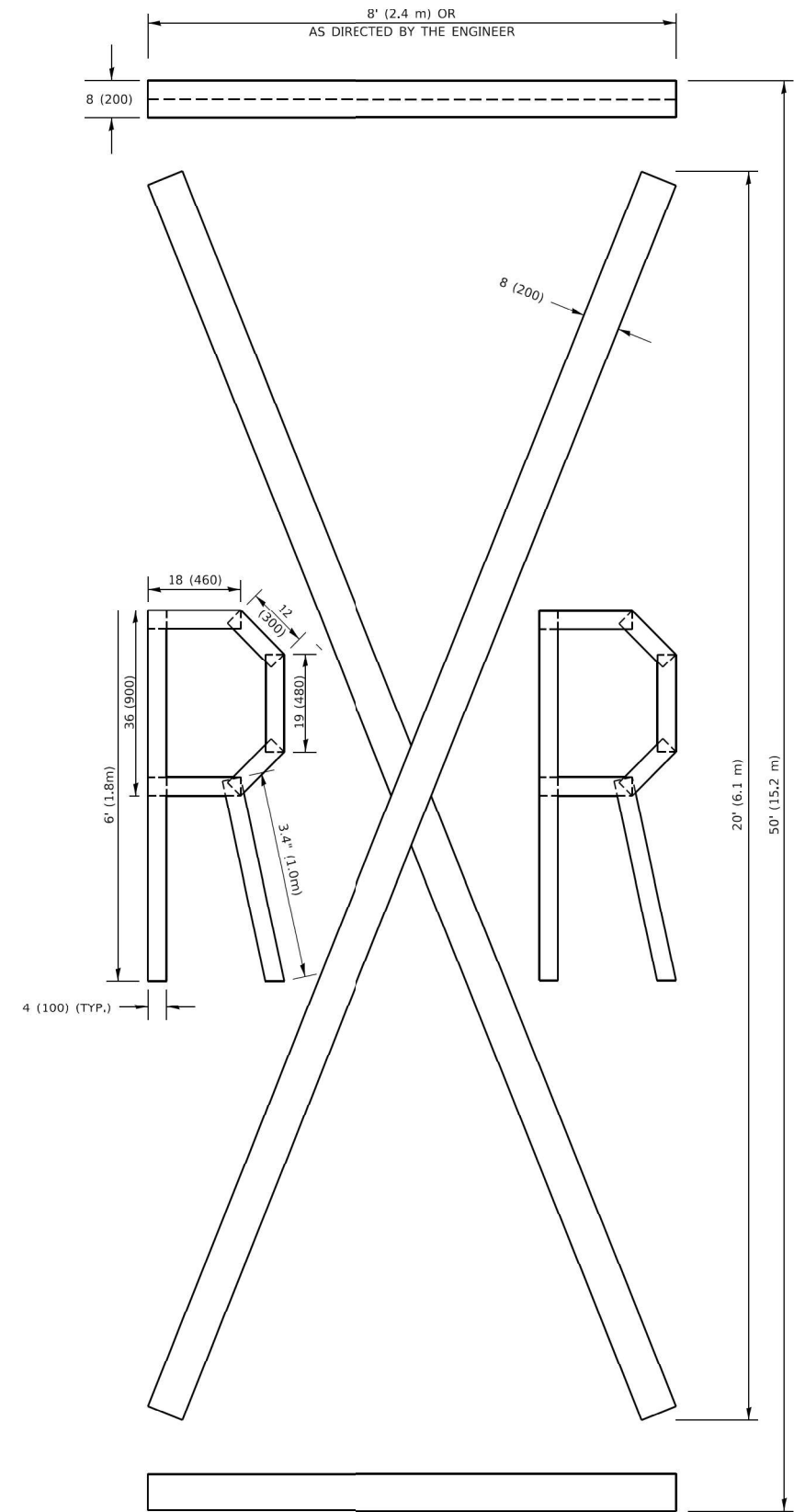
QUANTITY

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



QUANTITY

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



QUANTITY

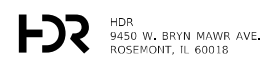
4 (100) LINE = 225.9 ft. (68.9 m)
75.3 sq. ft. (6.99 sq. m)

NOTE:

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

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

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USER NAME = footemj
DESIGNED -
DRAWN -
PLOT SCALE = 50.0068" / ft.
PLOT DATE = 3/4/2019

DESIGNED -
DRAWN -
CHECKED -
DATE - 09-18-94

REVISED - T. RAMMACHER 03-02-98
REVISED - E. GOMEZ 08-28-00
REVISED - E. GOMEZ 08-28-00
REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

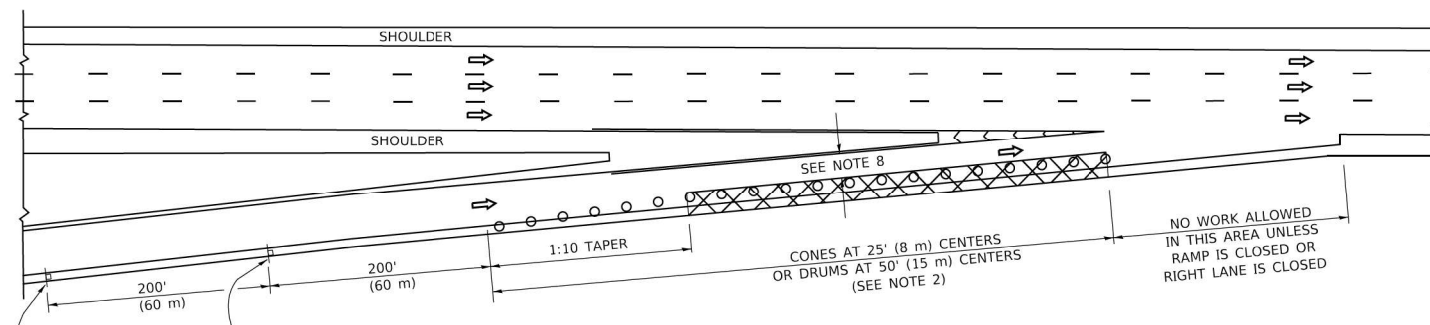
SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

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

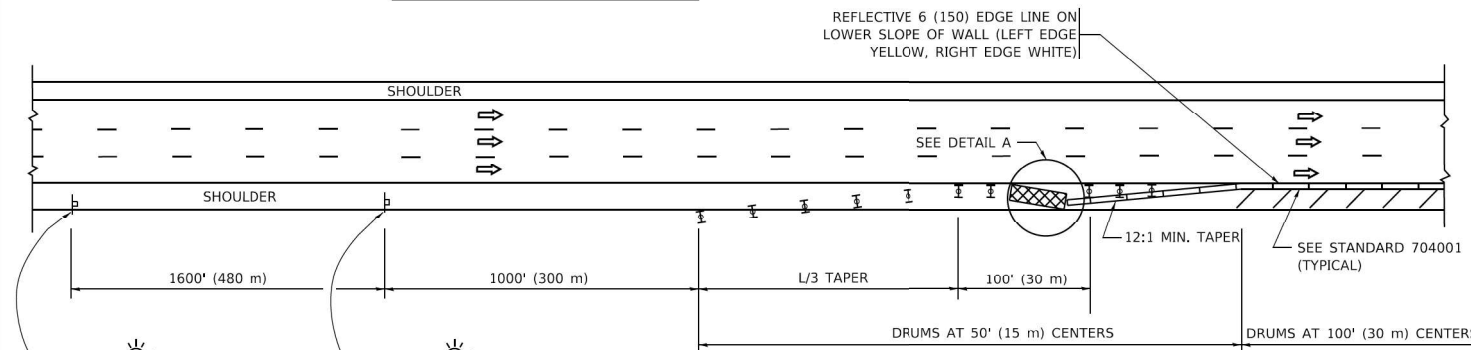
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344A	2021-042-CIS	COOK	37	35
TC-16		CONTRACT NO. 62N68		
		ILLINOIS FED. AID PROJECT		

PARTIAL RAMP CLOSURE DETAILS

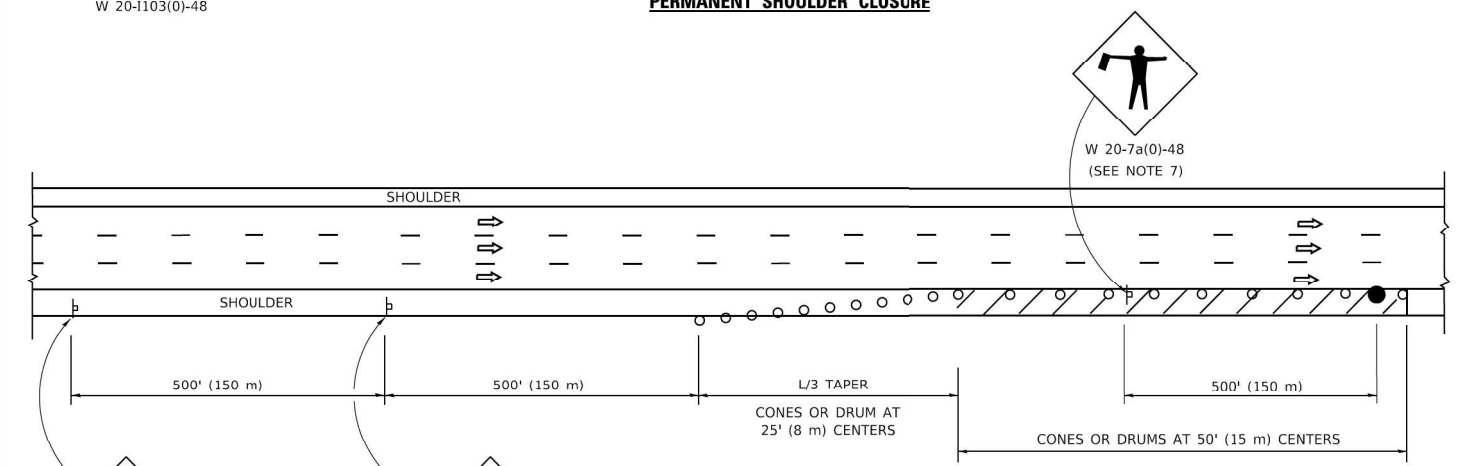
SHOULDER CLOSURE DETAILS



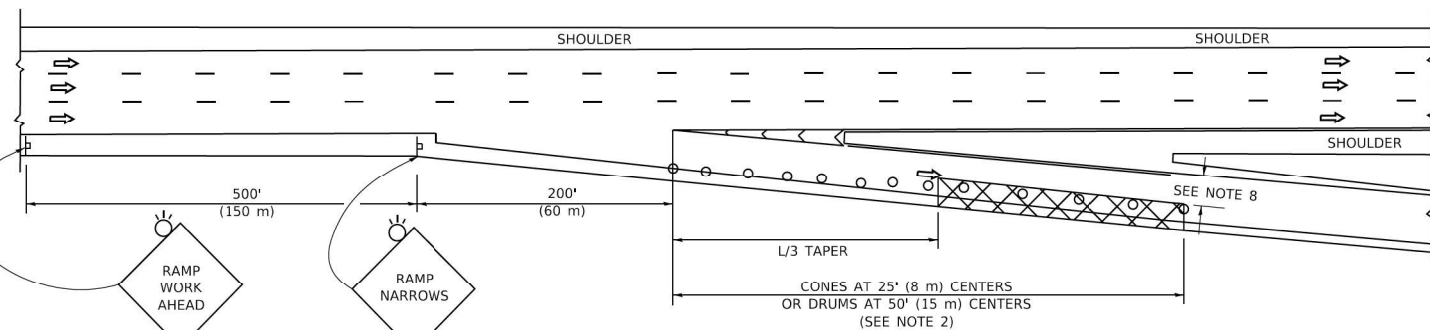
TYPICAL ENTRANCE RAMP



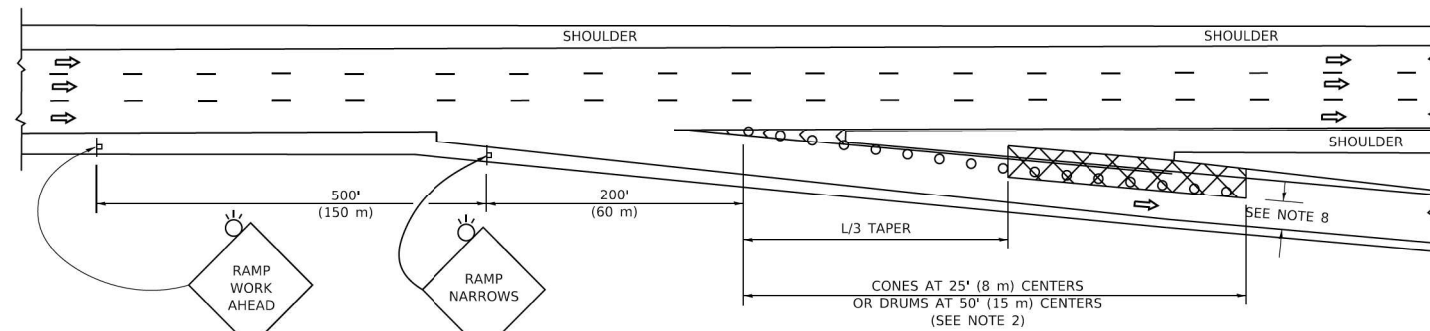
PERMANENT SHOULDER CLOSURE



DAYTIME SHOULDER CLOSURE



TYPICAL EXIT RAMP



TYPICAL EXIT RAMP

SYMBOLS

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

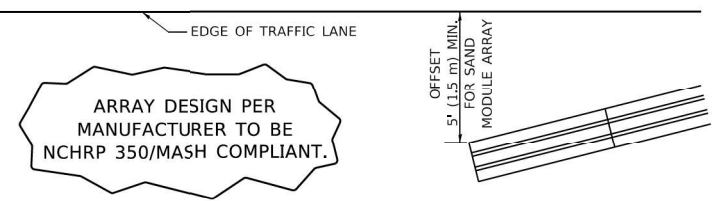
GENERAL NOTES:

1. THE "L" DISTANCE EQUALS:

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

5. THE IMPACT ATTENUATOR, TEMPORARY IS NOT REQUIRED WHEN THE TEMPORARY CONCRETE BARRIER WALL IS PROTECTED BY OR IS TIED INTO THE EXISTING GUARDRAIL. IF OFFSET IS LESS THAN 5 FEET USE NARROW USE TYPE DEVICE TO MEET NCHRP350/MASH.
6. AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL FREEWAY CLOSURES.
7. THE FLAGGER AND FLAGGER SIGN ARE REQUIRED AT THE ABOVE WORK SITES WHEN:
 - a. FOUR OR MORE WORK VEHICLES ENTER THE TRAFFIC LANES IN A ONE HOUR PERIOD.
 - b. THE WORK AVTIVITY REQUIRES FREQUENT ENCR OACHMENT INTO THE LANE OPEN TO TRAFFIC.
 THE FLAGGER SHALL BE STATIONED APPROXIMATELY 100' (30 m) TO 200' (60 m) IN ADVANCE OF THE WORKERS.
8. 12' MIN. WIDTH TANGENT SECTION
16' MIN. WIDTH CURVE SECTION.

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



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

MODEL: Default
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 PLOT DATE = 3/4/2019 10:41:43 AM User:foolman



USER NAME = foolman
 DESIGNED -
 DRAWN - D.W.S.
 CHECKED -
 DATE - 11-96
 PLOT SCALE = 50,0000' / 1"
 PLOT DATE = 3/4/2019

DESIGNED -
 DRAWN - D.W.S.
 CHECKED -
 DATE - 11-96

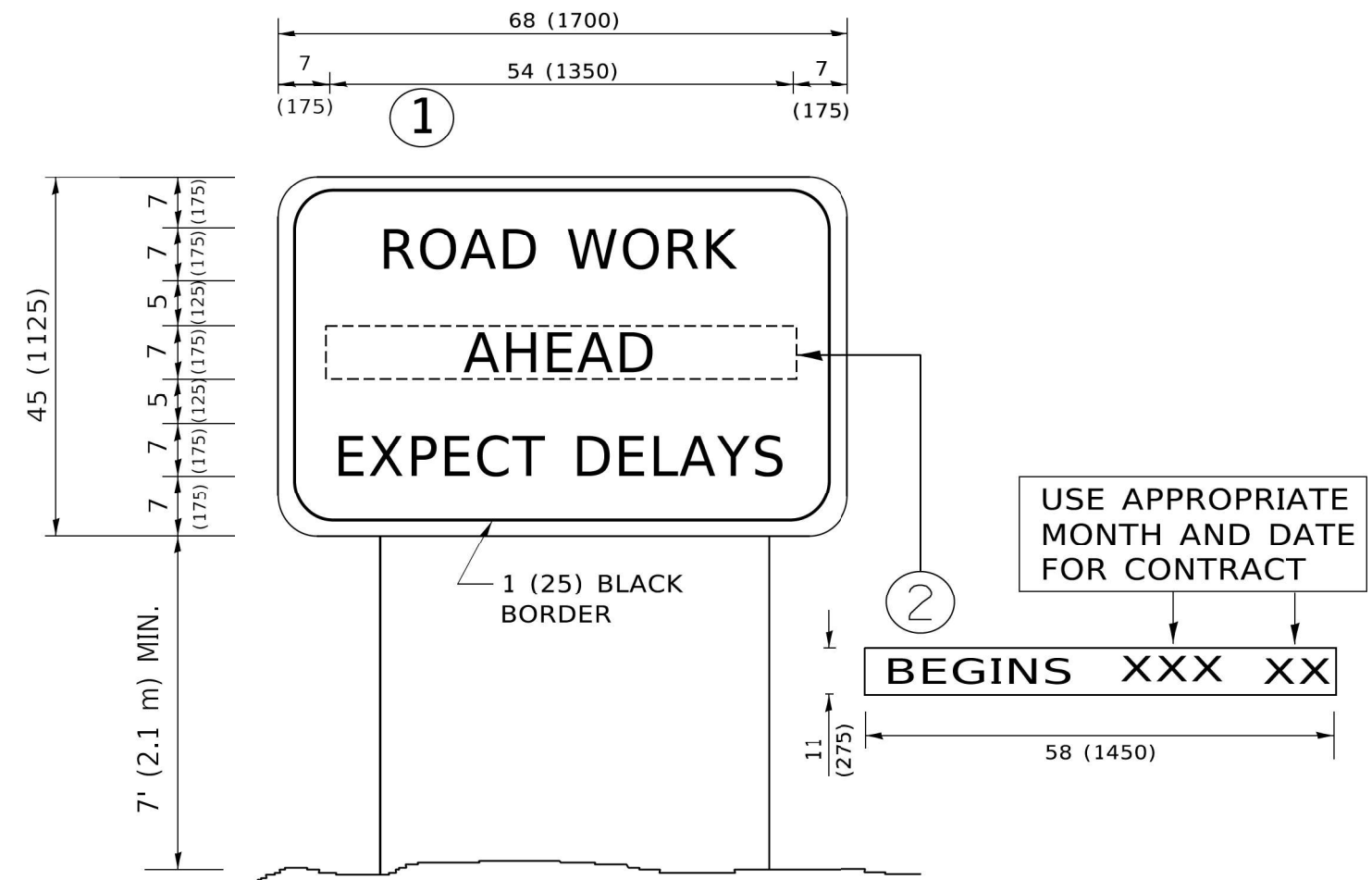
REVISED - S.P.B. 01-07
 REVISED - S.P.B. 12-09
 REVISED - M.D. 06-13
 REVISED - M.D. 01-18

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL DETAILS FOR FREEWAY
SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344A	2021-042-CIS	COOK	37	36
TC-17		CONTRACT NO. 62N68		
		ILLINOIS FED. AID PROJECT		

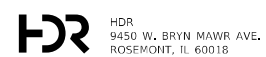


NOTES:

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: Default
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USER NAME = footemj	DESIGNED -	REVISED - R. MIRS 09-15-97
	DRAWN -	REVISED - R. MIRS 12-11-97
PLOT SCALE = 50,0000 ' / ft.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
PLOT DATE = 3/4/2019	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.
344A	2021-042-CIS	COOK	37	37
TC-22			CONTRACT NO. 62N68	
ILLINOIS FED. AID PROJECT				