

06-13-14 LETTING ITEM 286

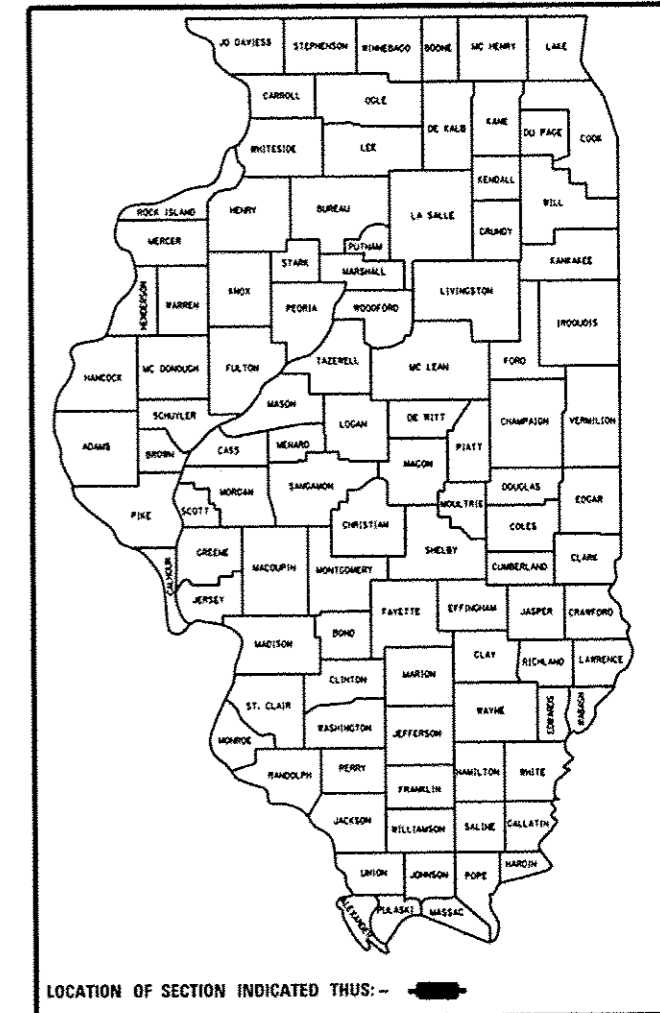
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

**PROPOSED  
HIGHWAY PLANS**

F.A.I. ROUTE 94: I-94 (SB)  
LAWRENCE AVE TO LAKE COOK ROAD  
SECTION 2014-0411  
CRACK & JOINT SEALING  
COOK COUNTY

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2014-0411	COOK	34	1
ILLINOIS CONTRACT NO. 60Y35				

D-91-361-14

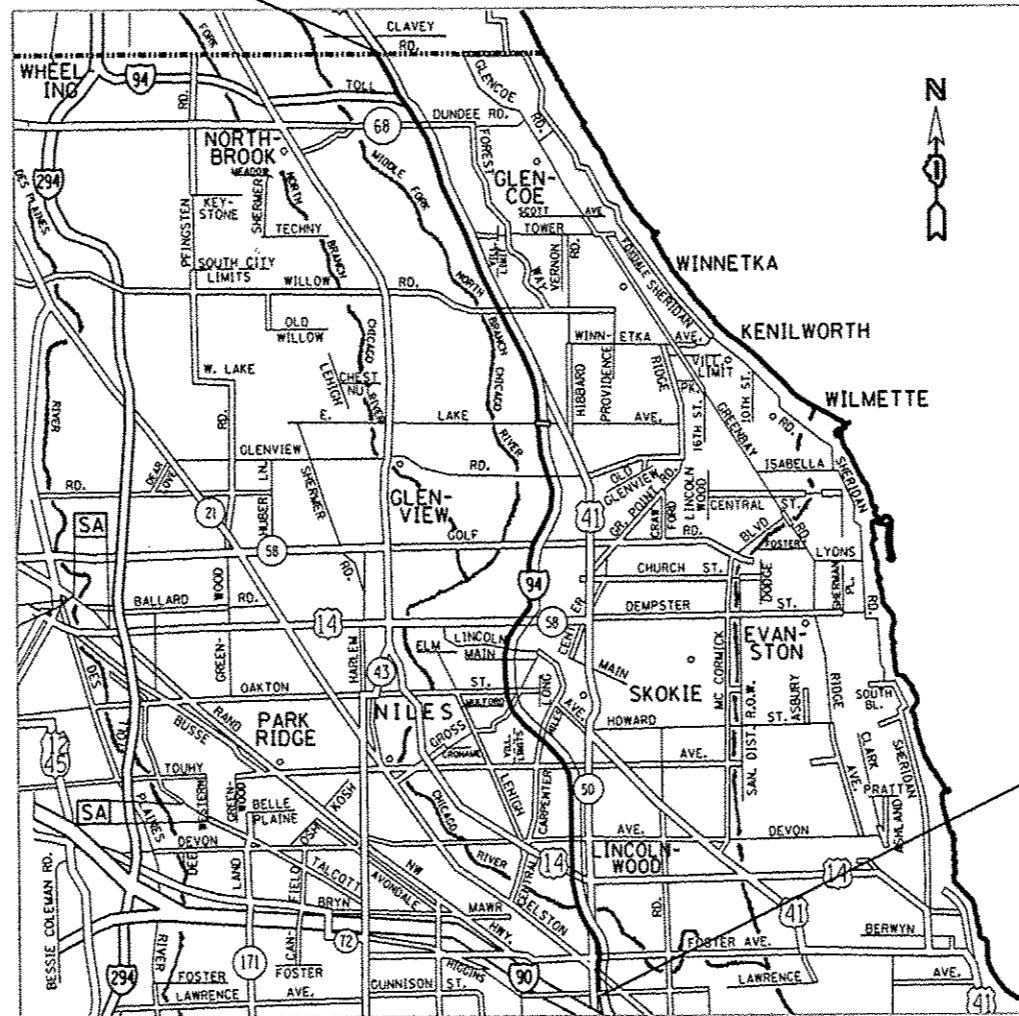


FOR INDEX OF SHEETS, SEE SHEET NO. 2

IMPROVEMENT LOCATED WITHIN THE VILLAGES OF NORTHBROOK, NORTHFIELD, GLENVIEW, WILMETTE, SKOKIE, MORTON GROVE, NILES, LINCOLNWOOD AND THE CITY OF CHICAGO.

IMPROVEMENT ENDS  
STA 758+64

C-91-361-14



IMPROVEMENT BEGINS  
STA. 24+97

**TRAFFIC DATA I-94**

2012 ADT = 164800  
POSTED SPEED LIMIT = 55 MPH

**TRAFFIC DATA U.S. 41**

2012 ADT = 68300  
POSTED SPEED LIMIT = 55 MPH

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

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

PROJECT ENGINEER: JEAN A. MIDY (847) 221-3056  
PROJECT MANAGER: ISSAM RAYYAN (847) 705-4178

GROSS LENGTH OF IMPROVEMENT = 73367 FT. = 13.9 MILE

CONTRACT NO. 60Y35

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED *May 5 2014*  
*John F. [Signature]*  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

*May 9 2014*  
*John D. Baranzelli P.E.*  
ENGINEER OF DESIGN AND ENVIRONMENT

*May 9 2014*  
*Chris [Signature]*  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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

**INDEX OF SHEETS**

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES
3	SUMMARY OF QUANTITIES
4-28	PROPOSED PLANS AND PAVEMENT MARKING PLANS
29	CRACK & JOINT SEALING DETAIL
30	FREEWAY ENTRANCE AND EXIT RAMP (TC-08)
31	TRAFFIC CONTROL DETAILS FOR FREEWAY SINGLE & MULTI-LANE WEAVE (TC-09)
32-33	MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS (TC-12)
34	TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES (TC-17)

**STANDARDS**

701400-07	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-08	LANE CLOSURE, FREEWAY/EXPRESSWAY
701411-08	LANE CLOSURE, MULTILANE AT ENTRANCE OR EXIT RAMP, FOR SPEEDS $\geq$ 45 MPH
701426-06	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS $\geq$ 45 MPH
701428	TRAFFIC CONTROL SETUP AND REMOVAL FREEWAY/EXPRESSWAY
701446-05	TWO LANE CLOSURE FREEWAY/EXPRESSWAY
701901-03	TRAFFIC CONTROL DEVICES

**GENERAL NOTES**

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "C.U.A.N." (CHICAGO UTILITY ALERT NETWORK) AT (312) 744-7000 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS UTILITIES. (48 HOUR NOTIFICATION IS REQUIRED).

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E.". AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS UTILITIES. 48 HOUR NOTIFICATION IS REQUIRED.

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES OF THE VILLAGES OF NORTHBROOK, NORTHFIELD, GLENVIEW, WILMETTE, SKOKIE, MORTON GROVE, NILES, LINCOLNWOOD AND THE CITY OF CHICAGO.

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 THE 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 (847) 705-4151 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

THE ENGINEER SHALL CONTACT SYED BILGRAMI (NORTH COOK CO) AT(773) 685-8386 AND JOE ECKERT (CENTRAL COOK CO) AT (224) 217-8632, AREA TRAFFIC FIELD ENGINEER A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.

ALL CRACK ROUTING & CRACK SEALING 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 THE 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 THE STANDARD SPECIFICATIONS. OLD SEALANTS REMOVED PRIOR TO ROUTING SHALL BE DISPOSED OF AS SPECIFIED IN ARTICLE 202.03. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT THE COST SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICE FOR THE CONSTRUCTION ITEMS INVOLVED, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.

CONTACT IDOT ELECTRIC MAINTENANCE CONTRACTOR AT (773) 287-7600 TO LOCATE ANY ELECTRIC CABLES WITHIN STATE R.O.W.

FILE NAME :	USER NAME : Gorengautab	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES</b>			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\p\work\pzd\dot\gorengautab\0308740	D136114-shi-plan.dgn	DRAWN -	REVISED -					94	2014-0411	COOK	34	2
Default	PLOT SCALE * 100.0000 ' / in	CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.			CONTRACT NO. 60Y35				
	PLOT DATE * 5/2/2014	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE					SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT	TOTAL QUANTITIES					CODE NO	ITEM	UNIT	TOTAL QUANTITIES					
				0005												
45100100	CRACK ROUTING (PAVEMENT)	FOOT	298610	298610												
45100200	CRACK FILLING	POUND	179170	179170												
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	3	3												
67100100	MOBILIZATION	L SUM	1	1												
70200100	NIGHTTIME WORK ZONE LIGHTING	L SUM	1	1												
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	130770	130770												
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	30870	30870												
78300100	PAVEMENT MARKING REMOVAL	SO FT	64170	64170												
x7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	L SUM	1	1												
* x7800815	HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINE - 4 INCH	FOOT	2400	2400												
* x7800825	HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINE - 5 INCH	FOOT	37180	37180												
* x7800845	HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINE - 8 INCH	FOOT	260	260												
X7010410	SPEED DISPLAY TRAILER	CAL MO	2	2												

URBAN  
100%  
STATE

Rev.

FILE NAME: c:\pwworking\gorengautab\104033801-10-01-15114-111.dwg	USER NAME: Gorengautab	DESIGNED: -	REVISED: -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-94 (LAWRENCE AVENUE TO LAKE COOK ROAD) SUMMARY OF QUANTITIES			F.A.I. RTE. 94	SECTION 2014-0411	COUNTY COOK	TOTAL SHEETS 34	SHEET NO. 3
PLOT SCALE: 100,0000 / 1/4"	CHECKED: -	REVISED: -	SCALE: -		SHEET NO. -	OF SHEETS -	STA. -	TO STA. -	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			
PLOT DATE: 5/15/2014	DATE: -	REVISED: -	CONTRACT NO. 60Y35									

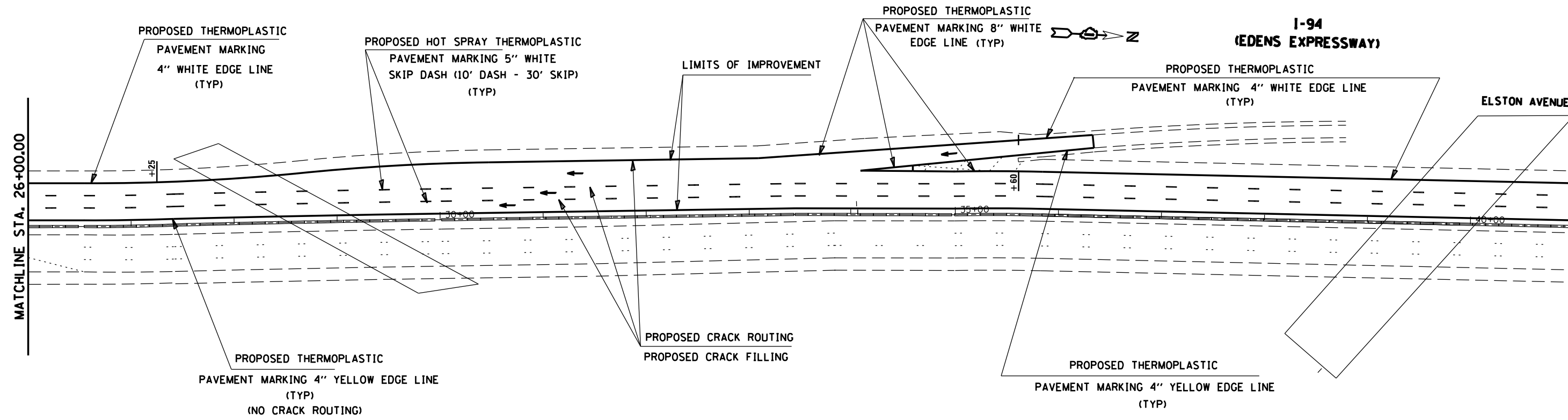
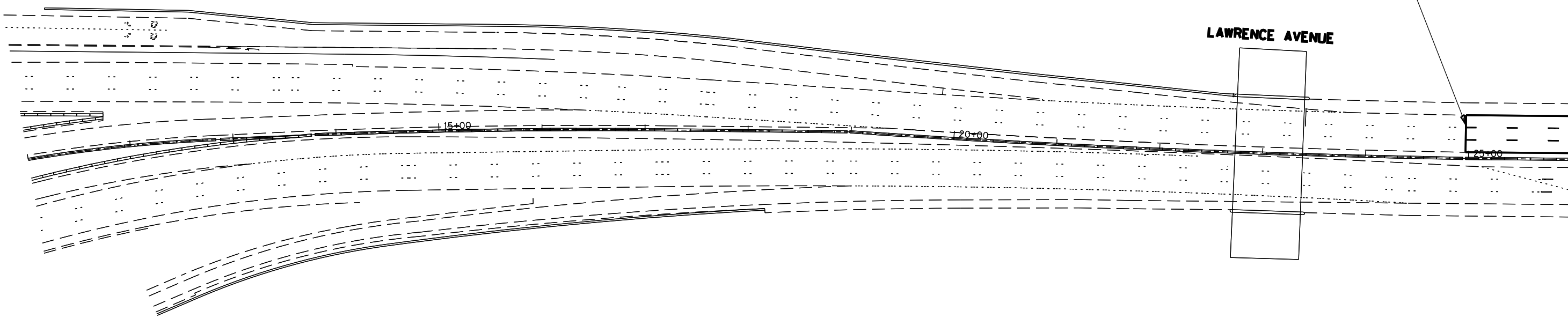


I-94  
(EDENS EXPRESSWAY)

IMPROVEMENT BEGINS  
STA 24+97 S.B.

LAWRENCE AVENUE

MATCHLINE STA. 26+00.00



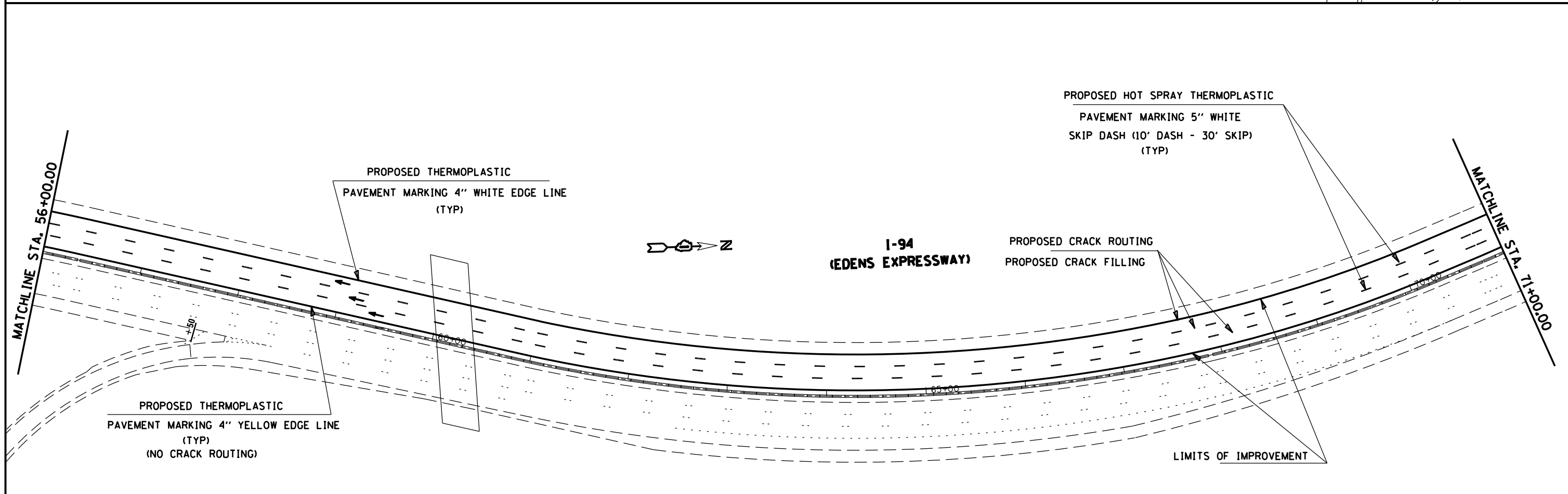
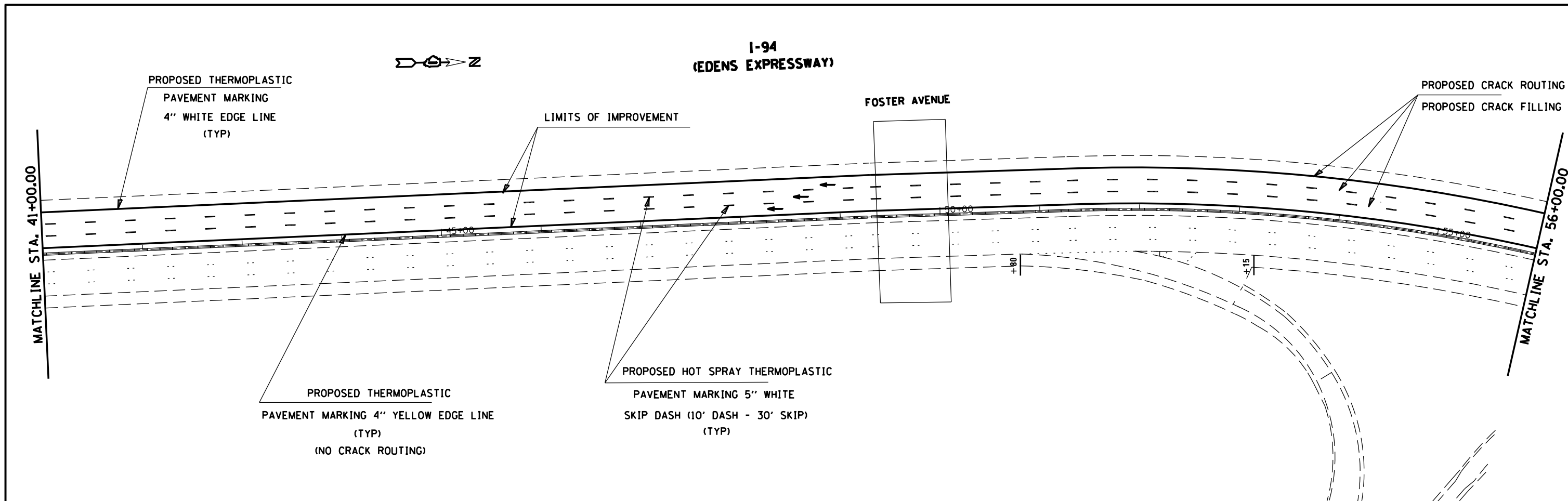
FILE NAME =	USER NAME = Gorengautab	DESIGNED -	REVISED -
ca:\pwwork\pwwork\gorengautab\d0388740\0136114-sht-plan.dgn	0136114-sht-plan.dgn	DRAWN -	REVISED -
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 5/6/2014	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

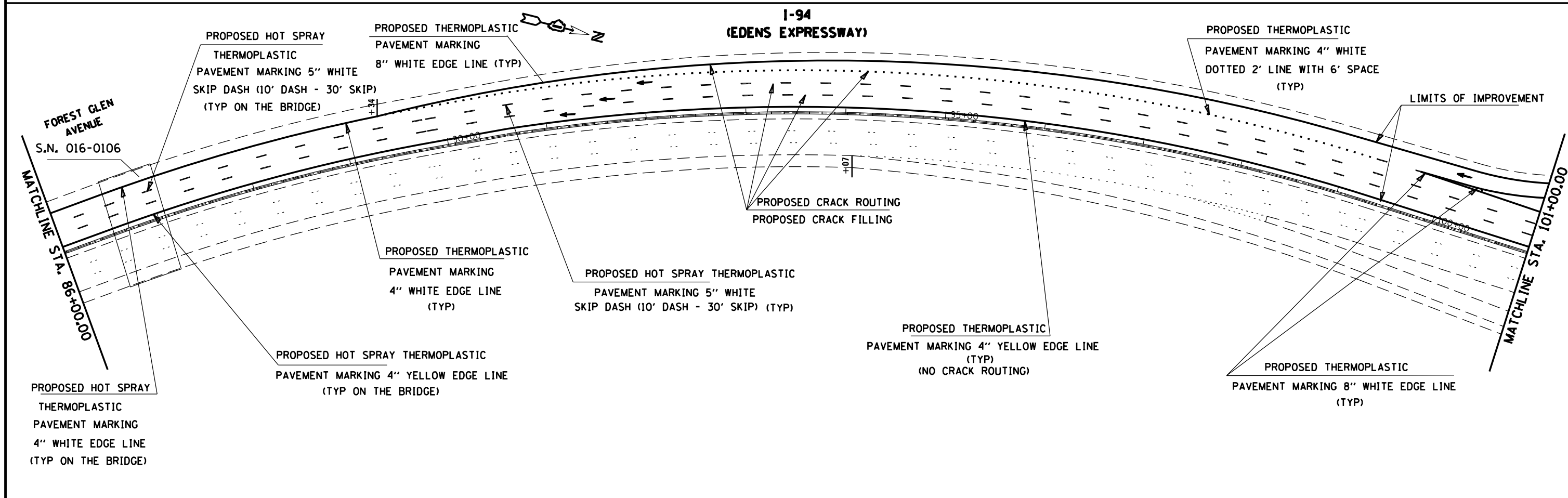
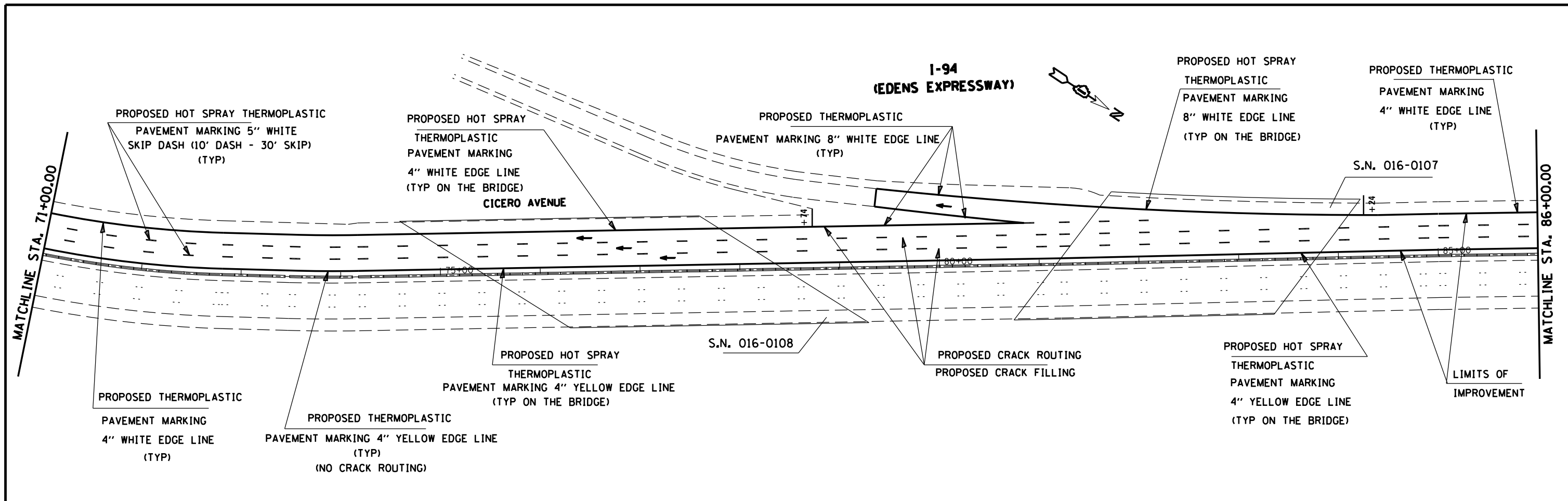
ROADWAY PLAN  
I-94 (LAWRENCE AVENUE TO LAKE COOK ROAD)

SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA.

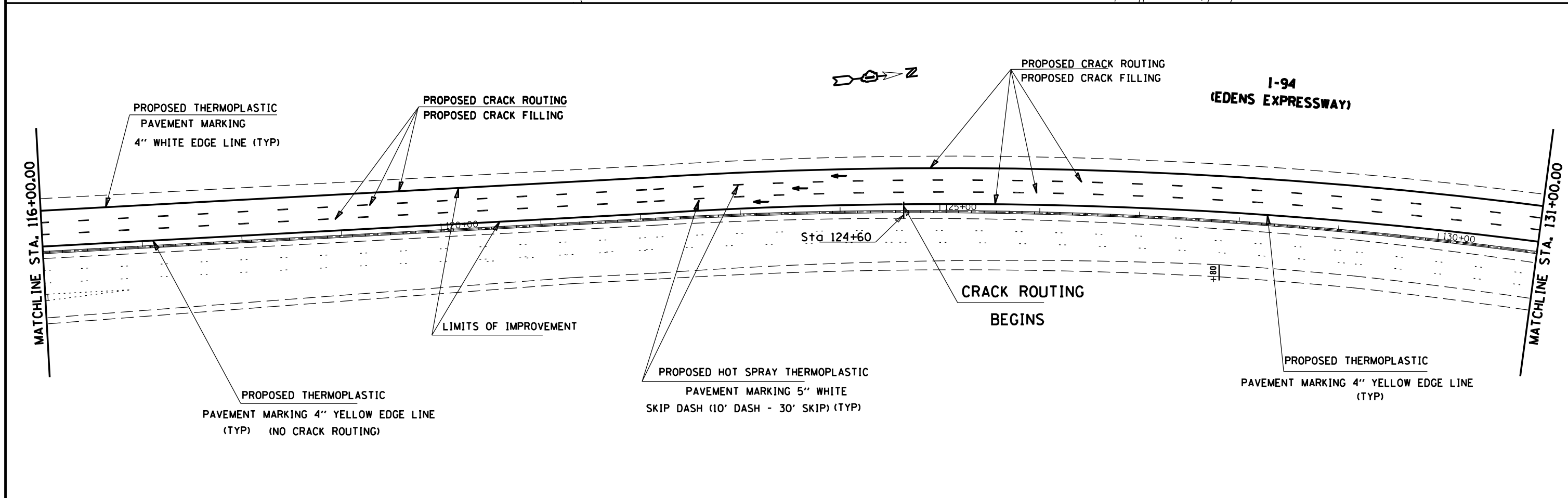
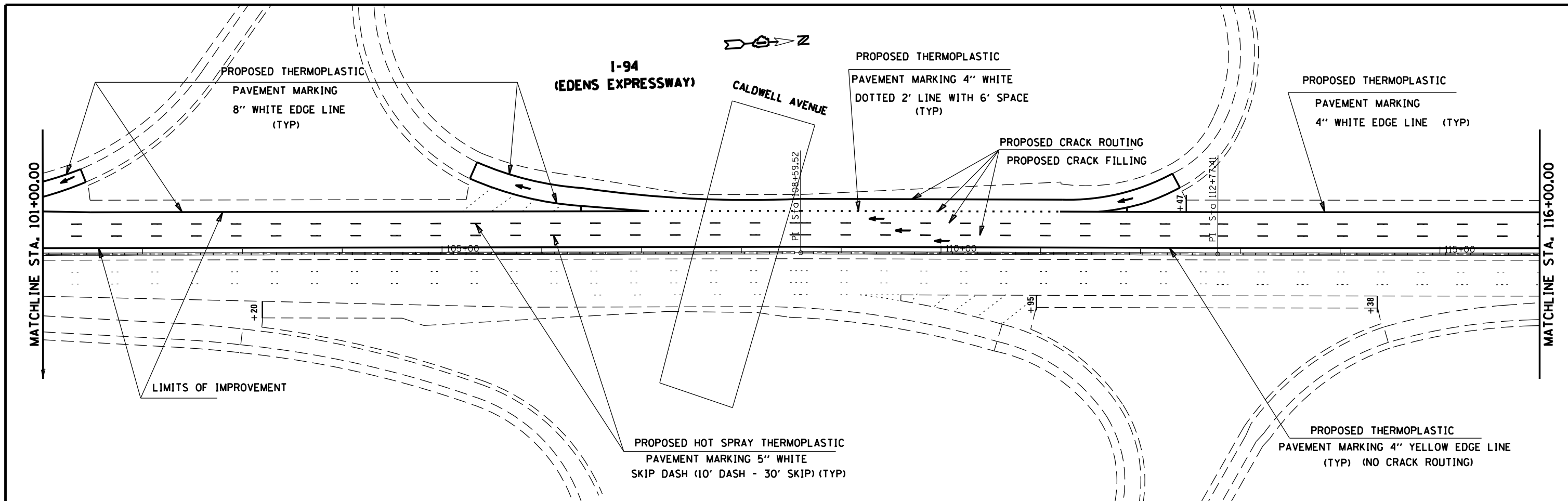
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2014-0411	COOK	34	4
CONTRACT NO. 60Y35			ILLINOIS FED. AID PROJECT	



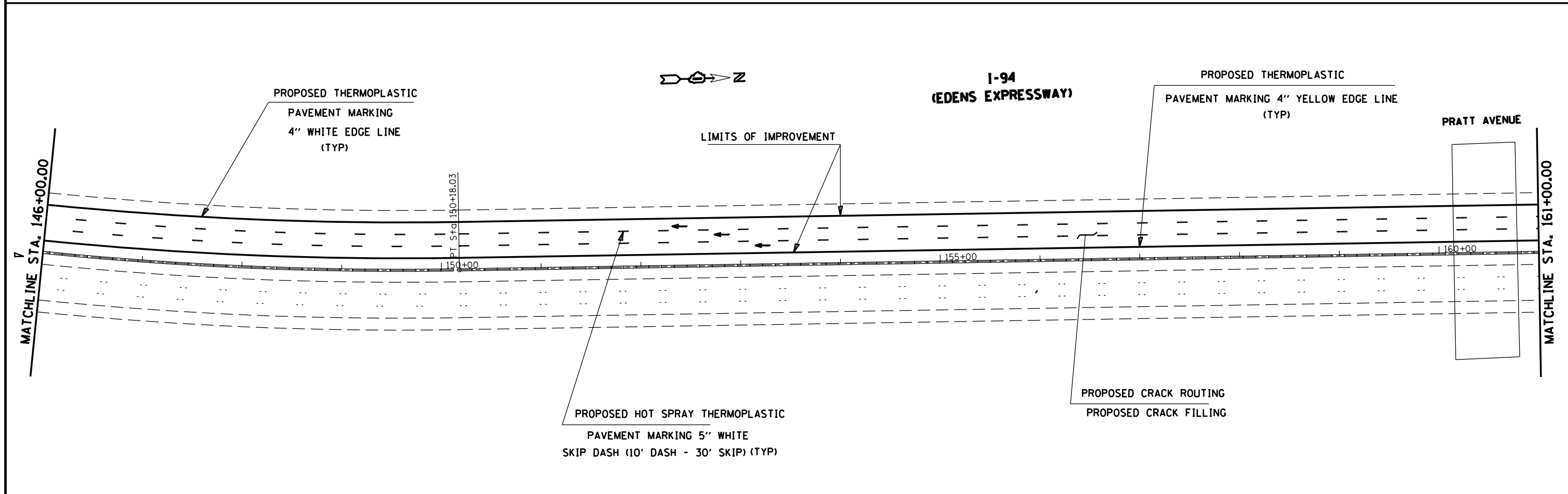
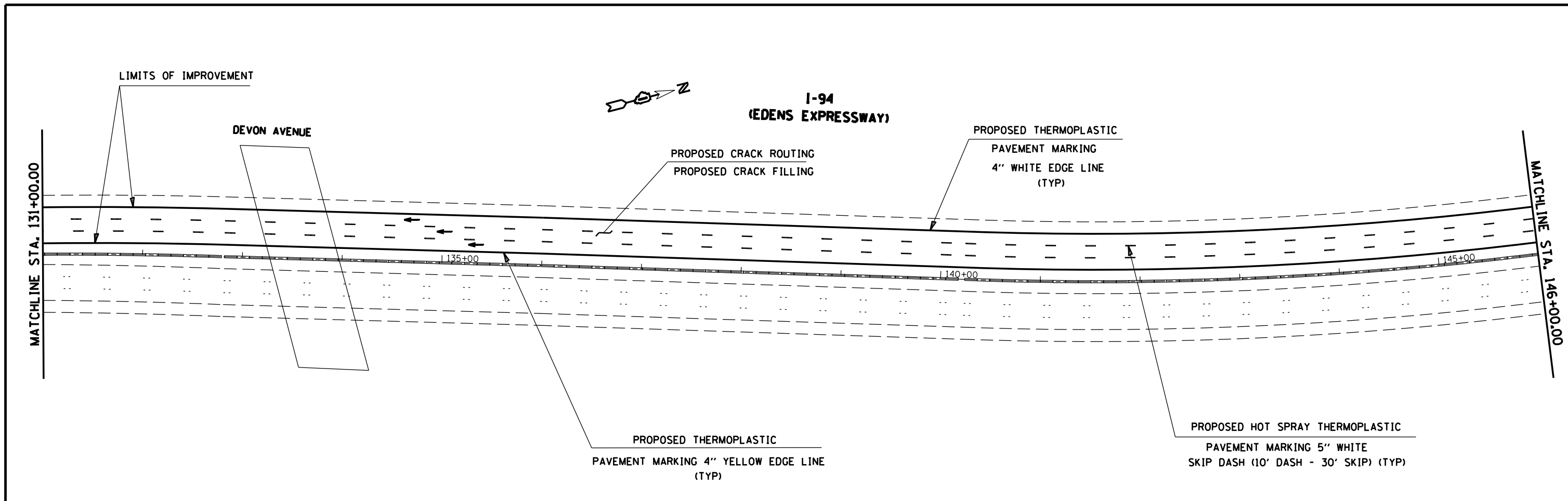
<b>FILE NAME :</b>	USER NAME : Gorengautab	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ROADWAY PLAN I-94 (LAWRENCE AVENUE TO LAKE COOK ROAD)</b>	<b>F.A.I. RTE.:</b>	<b>SECTION</b>	<b>COUNTY</b>	<b>TOTAL SHEETS</b>	<b>SHEET NO.</b>	
		DRAWN -	REVISED -			94	2014-0411	COOK	34	5	
		CHECKED -	REVISED -			<b>CONTRACT NO. 60Y35</b>					
		DATE -	REVISED -			<b>ILLINOIS FED. AID PROJECT</b>					



FILE NAME =	USER NAME = Gorengautab	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ROADWAY PLAN</b>				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	c:\pwwork\pwwork\gorengautab\d0388740\0136114-sht-plan.dgn	DRAWN -	REVISED -		<b>I-94 (LAWRENCE AVENUE TO LAKE COOK ROAD)</b>				94	2014-0411	COOK	34	6
	PLOT SCALE = 100.0000' / 1" =	CHECKED -	REVISED -		SCALE: 1" = 50'	SHEET	OF	SHEETS	STA.	TO	STA.	<b>CONTRACT NO. 60Y35</b>	
	PLOT DATE = 5/2/2014	DATE -	REVISED -		ILLINOIS FED. AID PROJECT								

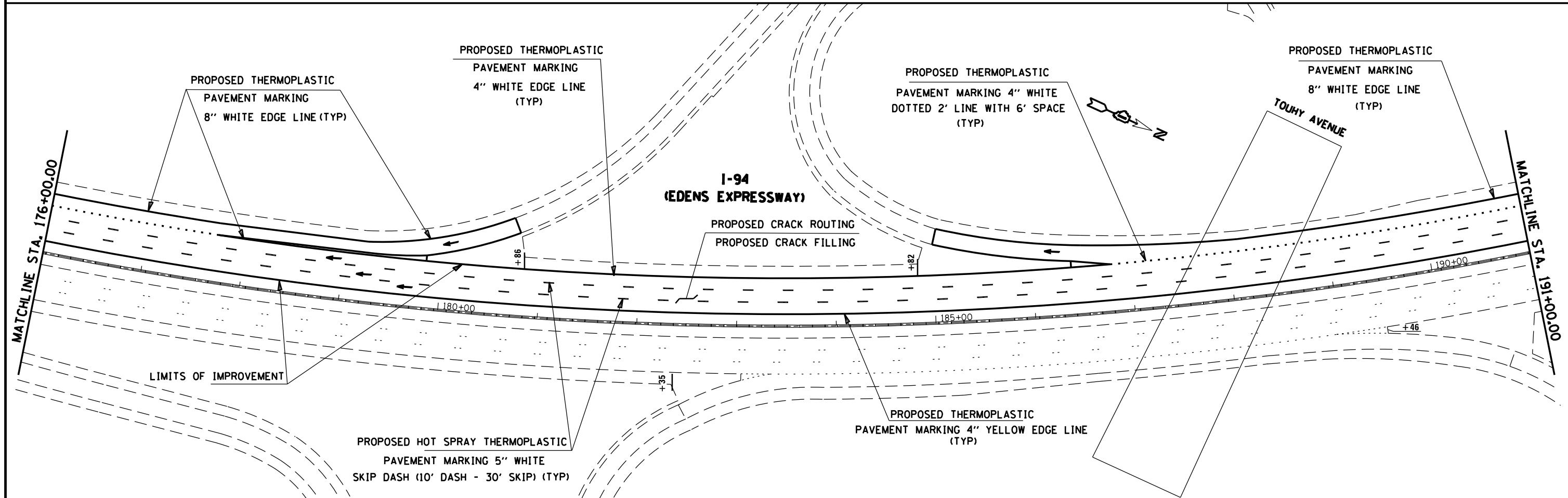
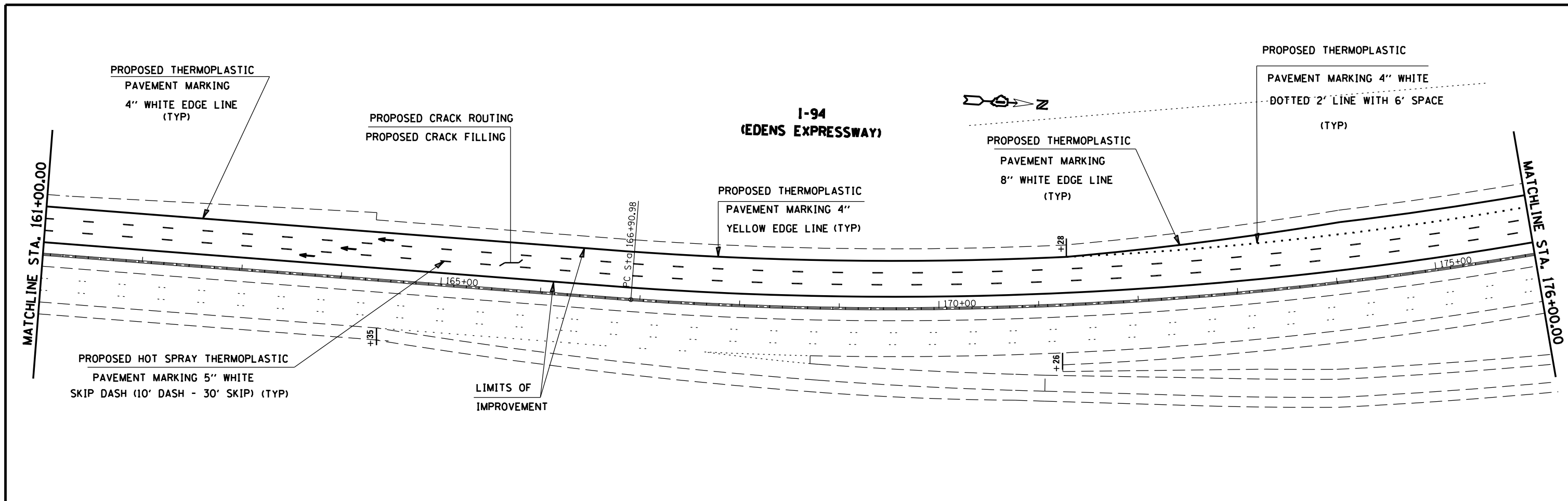


FILE NAME =	USER NAME = Gorengautab	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PLAN			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	Default	DRAWN -	REVISED -		I-94 (LAWRENCE AVENUE TO LAKE COOK ROAD)			94	2014-0411	COOK	34	7
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		SCALE: 1" = 50'	SHEET	OF SHEETS	STA.	TO STA.	CONTRACT NO. 60Y35		
	PLOT DATE = 5/2/2014	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

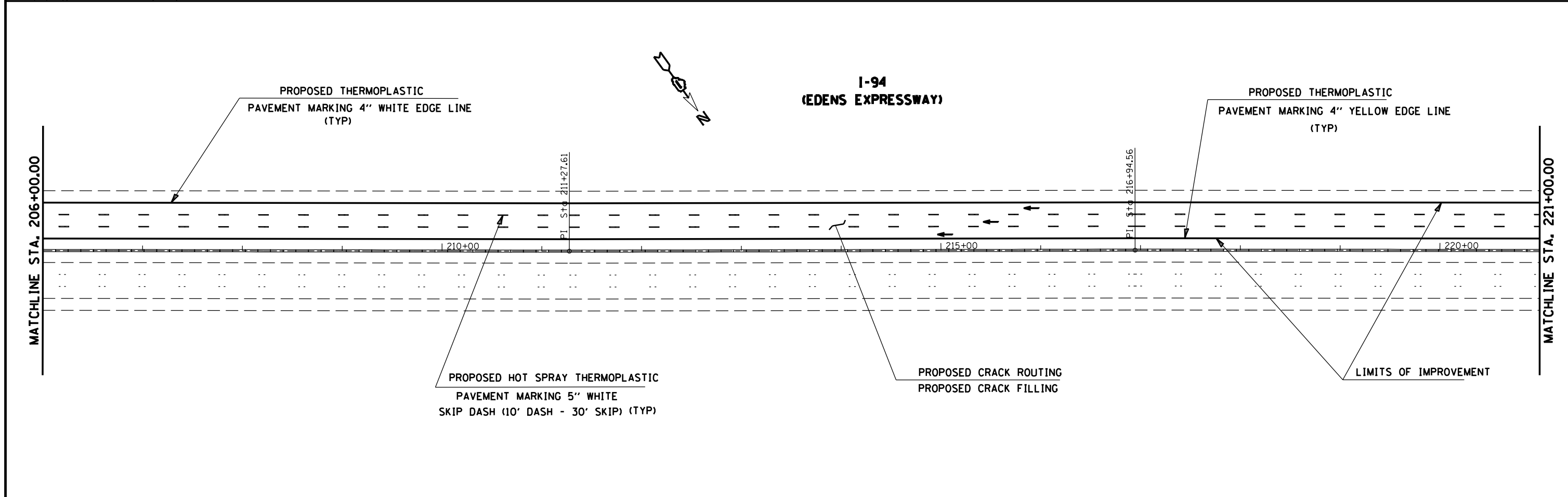
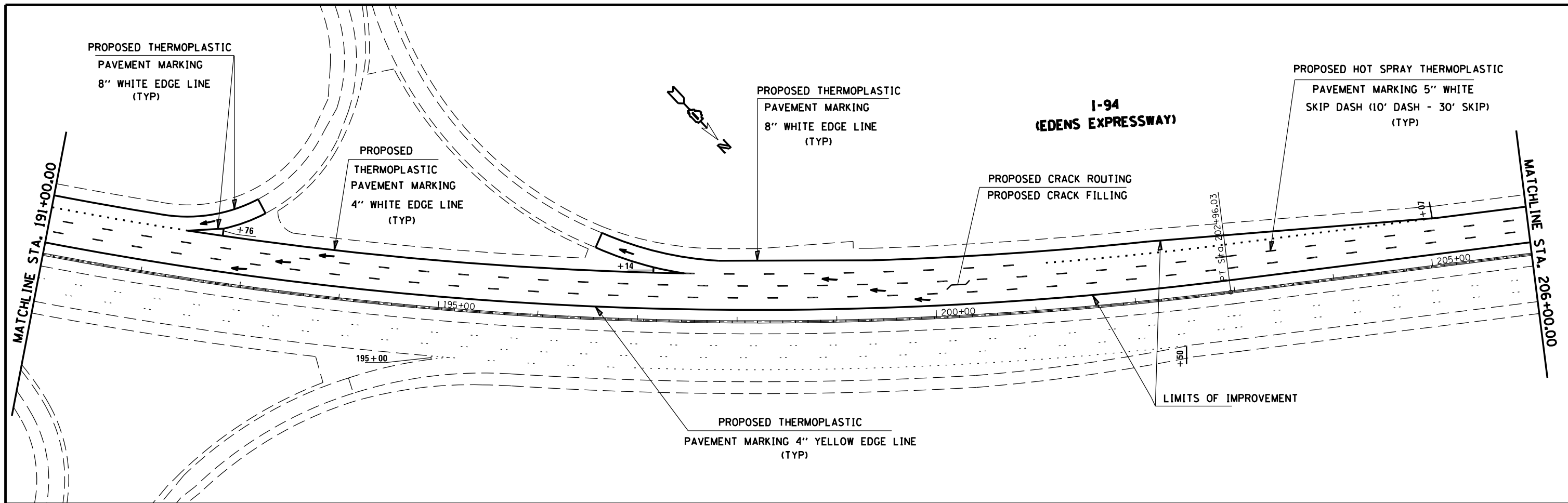


FILE NAME =	USER NAME = Gorengautab	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ROADWAY PLAN</b>				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	Default	DRAWN -	REVISED -		<b>I-94 (LAWRENCE AVENUE TO LAKE COOK ROAD)</b>				94	2014-0411	COOK	34	8
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		SCALE: 1" = 50'	SHEET	OF	SHEETS	STA.	TO	STA.	<b>CONTRACT NO. 60Y35</b>	
	PLOT DATE = 5/6/2014	DATE -	REVISED -		ILLINOIS FED. AID PROJECT								

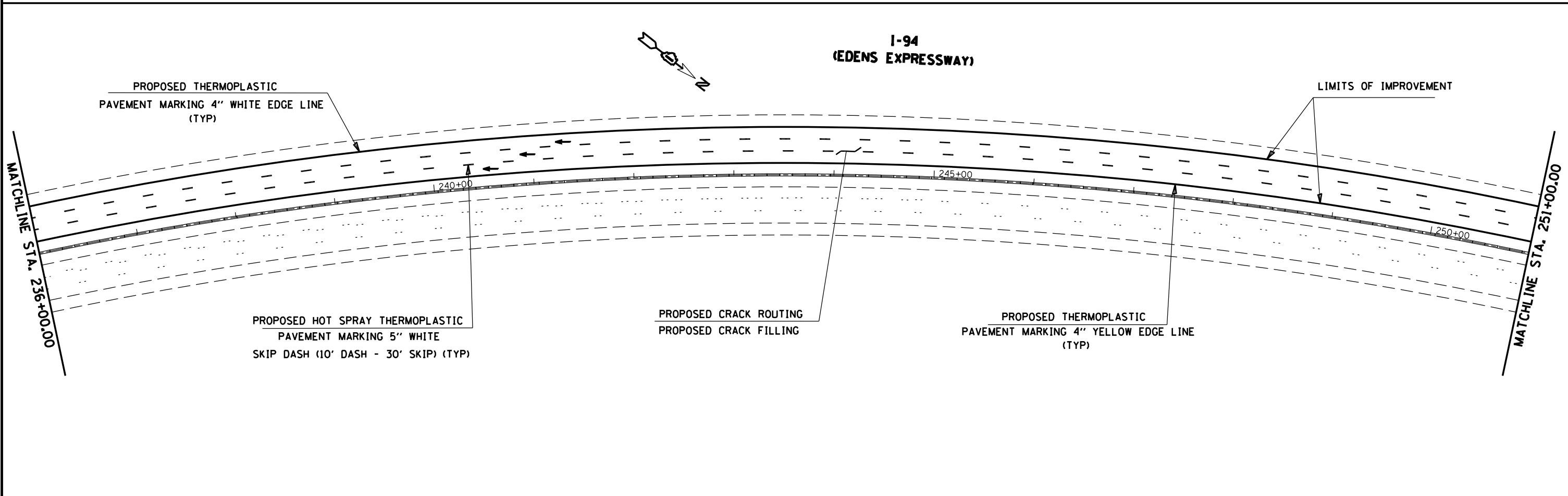
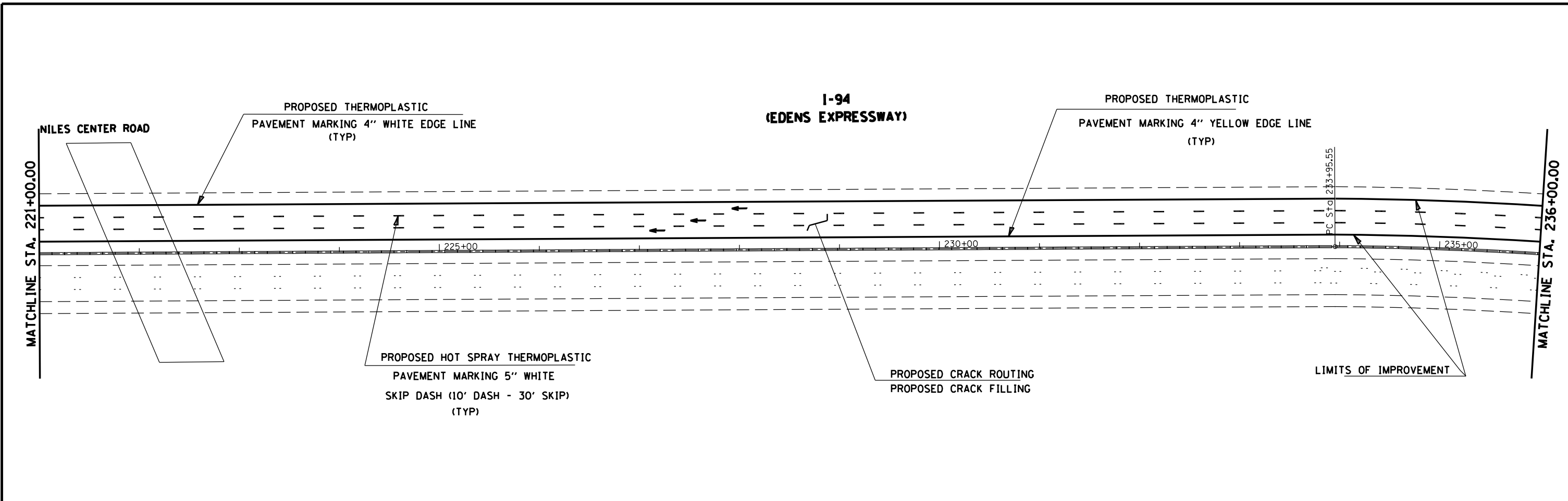




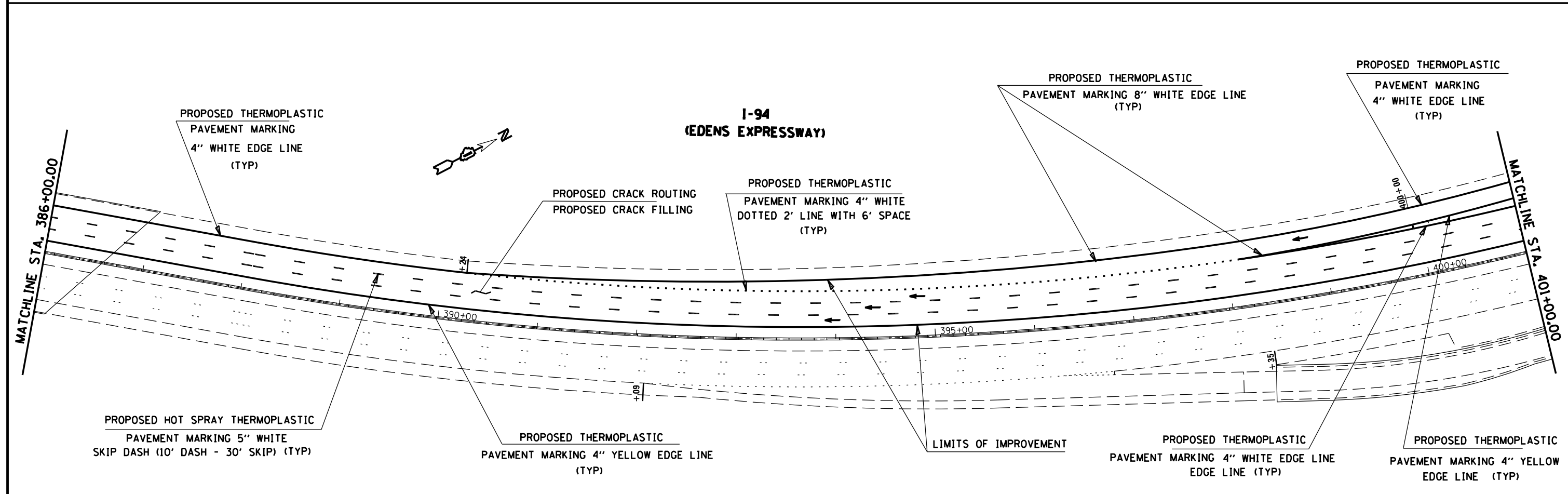
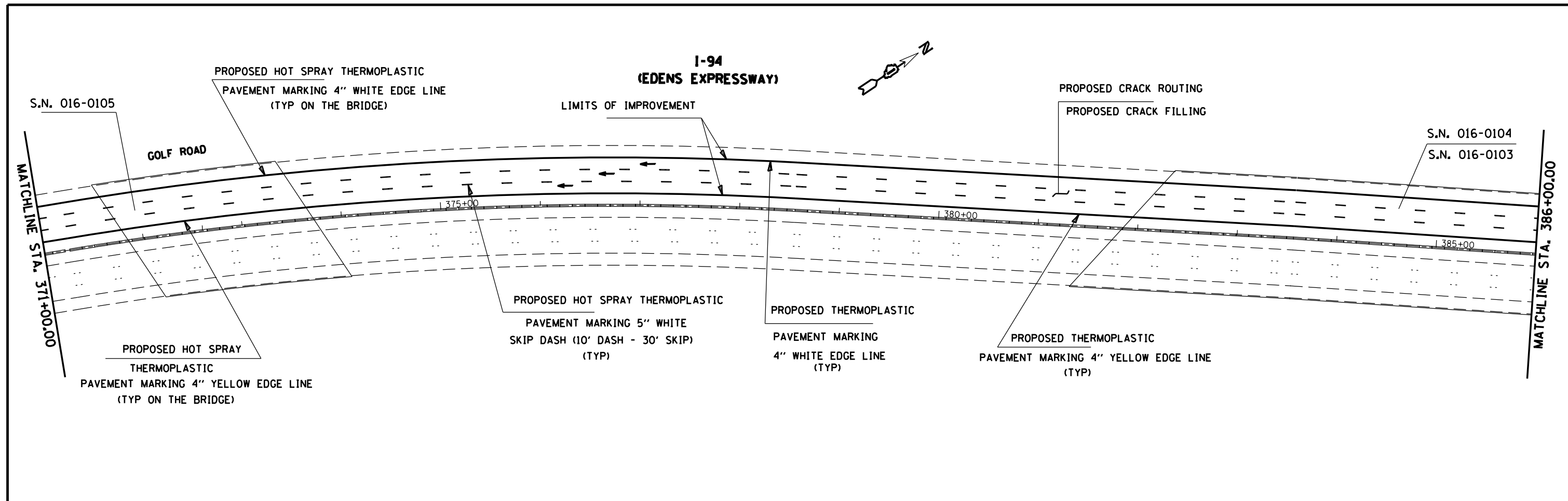
FILE NAME =	USER NAME = Gorengautab	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ROADWAY PLAN</b>				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ca:\pwork\work\pwork\gorengautab\d0388740\0136114-sht-plan.dgn	0136114-sht-plan.dgn	DRAWN -	REVISED -		<b>I-94 (LAWRENCE AVENUE TO LAKE COOK ROAD)</b>				94	2014-0411	COOK	34	9
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		SCALE: 1" = 50'				SHEET OF SHEETS STA. TO STA.		CONTRACT NO. 60Y35		
	PLOT DATE = 5/2/2014	DATE -	REVISED -		ILLINOIS FED. AID PROJECT								



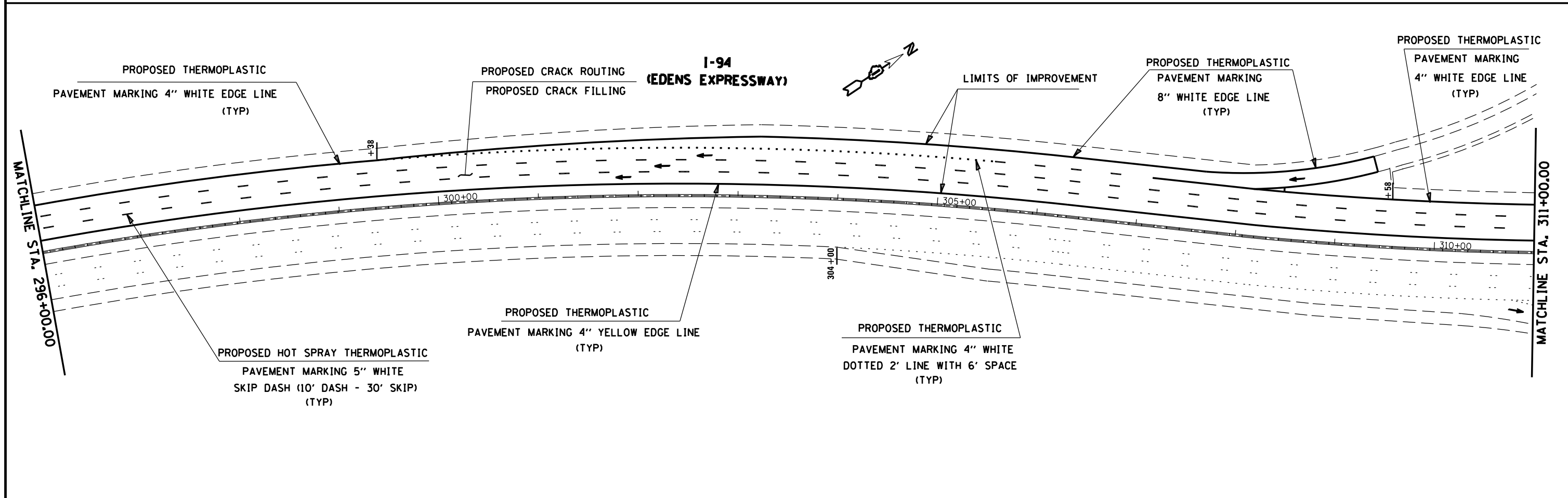
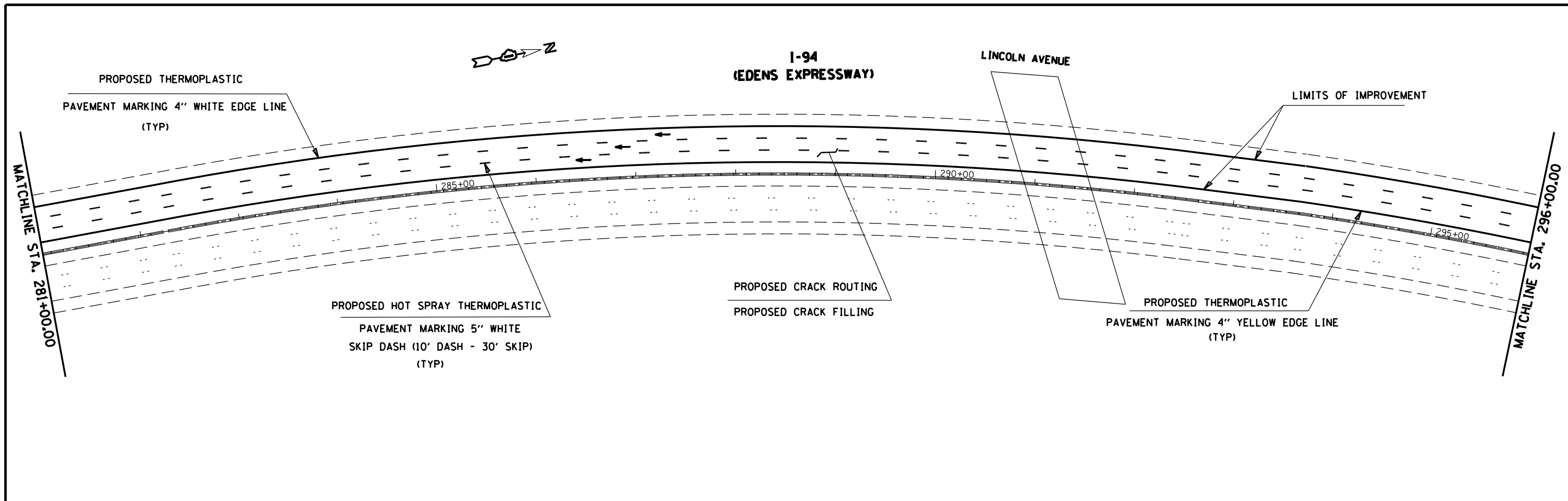
FILE NAME = c:\pwwork\p1dot\gorengautab\d0388740\0136114-sht-plan.dgn	USER NAME = Gorengautab	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PLAN				F.A.I. RTE. 94	SECTION 2014-0411	COUNTY COOK	TOTAL SHEETS 34	SHEET NO. 10
	PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -		I-94 (LAWRENCE AVENUE TO LAKE COOK ROAD)				CONTRACT NO. 60Y35		ILLINOIS FED. AID PROJECT		
Default	PLOT DATE = 5/2/2014	CHECKED -	REVISED -	SCALE: 1" = 50'	SHEET	OF	SHEETS	STA.	TO STA.				



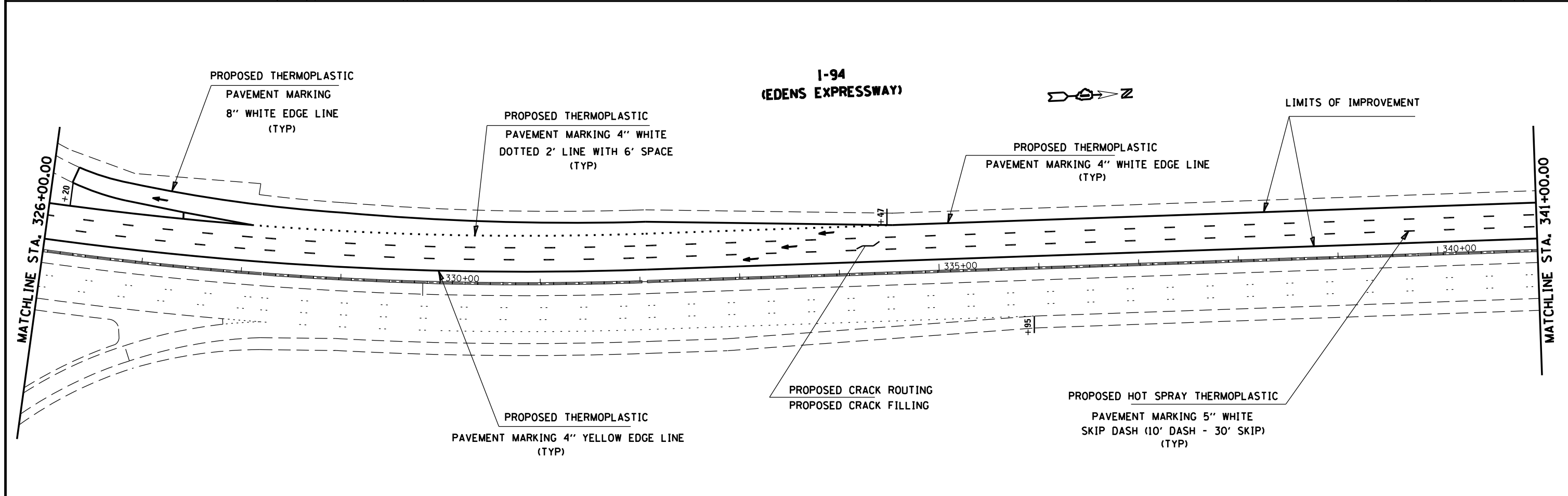
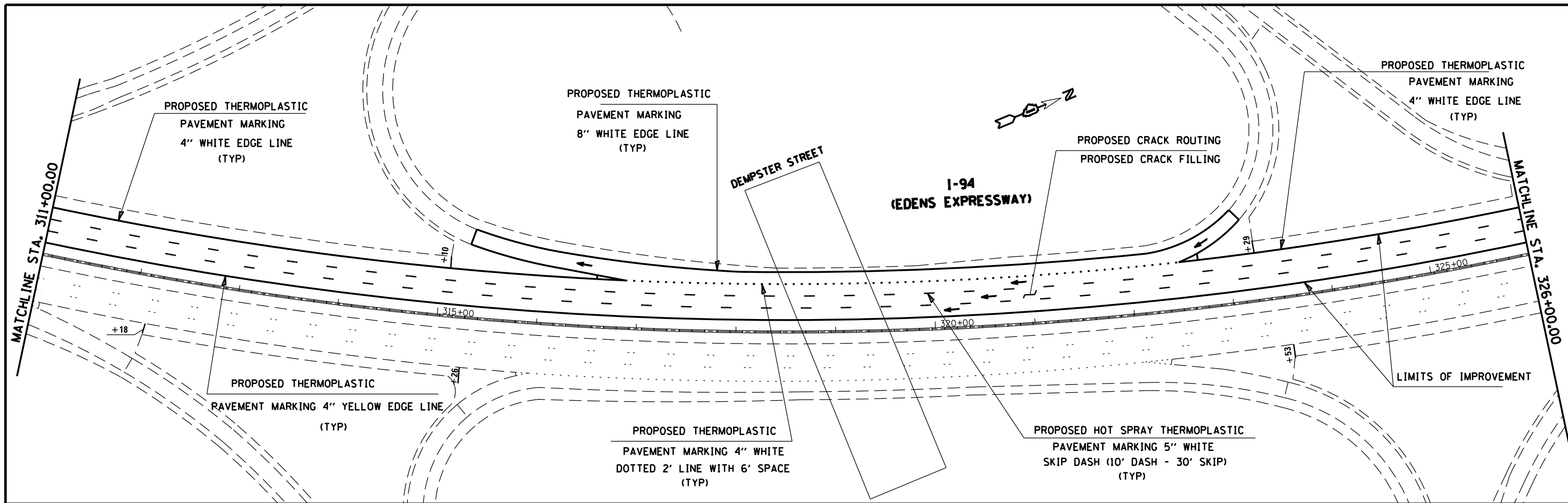
FILE NAME =	USER NAME = Gorengautab	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PLAN I-94 (LAWRENCE AVENUE TO LAKE COOK ROAD)				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
Default	Default	DRAWN -	REVISED -		SCALE: 1" = 50'	SHEET	OF	SHEETS	STA.	TO STA.	94	2014-0411	COOK	34	11
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -												
	PLOT DATE = 5/2/2014	DATE -	REVISED -												
												CONTRACT NO. 60Y35		ILLINOIS FED. AID PROJECT	



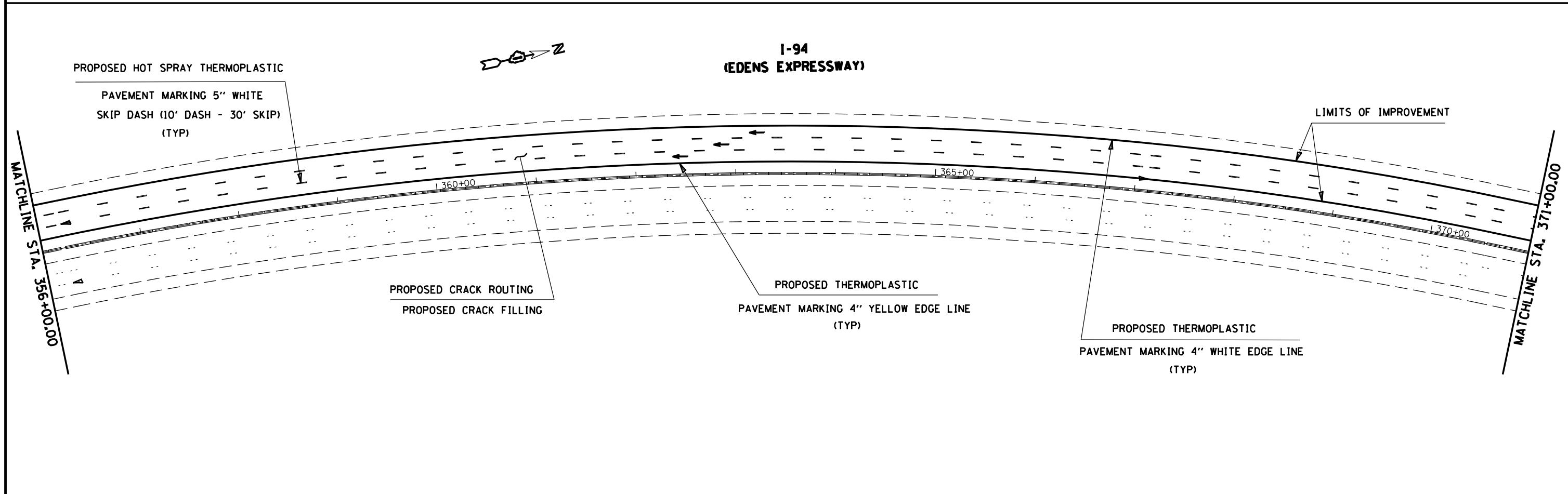
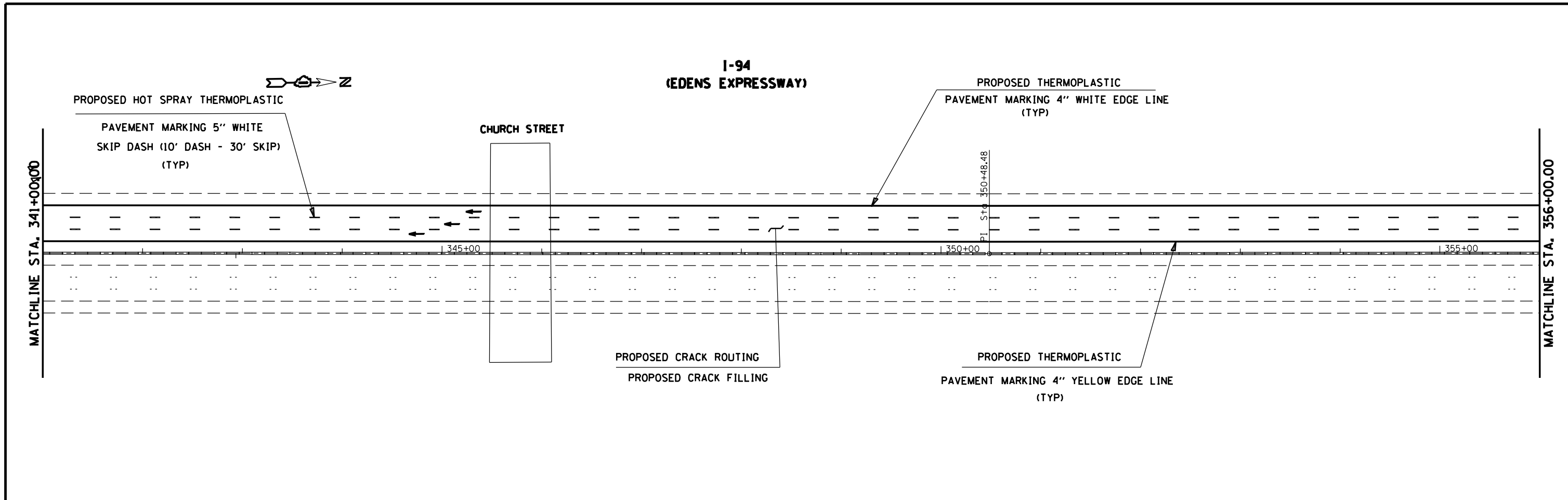
FILE NAME =	USER NAME = Gorengautab	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ROADWAY PLAN</b>				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ca:\pwwork\pwwork\gorengautab\d0388740\0136114-sht-plan.dgn	0136114-sht-plan.dgn	DRAWN -	REVISED -		<b>I-94 (LAWRENCE AVENUE TO LAKE COOK ROAD)</b>				94	2014-0411	COOK	34	16
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		SCALE: 1" = 50'	SHEET	OF	SHEETS	STA.	TO	STA.	<b>CONTRACT NO. 60Y35</b>	
	PLOT DATE = 5/6/2014	DATE -	REVISED -		ILLINOIS FED. AID PROJECT								



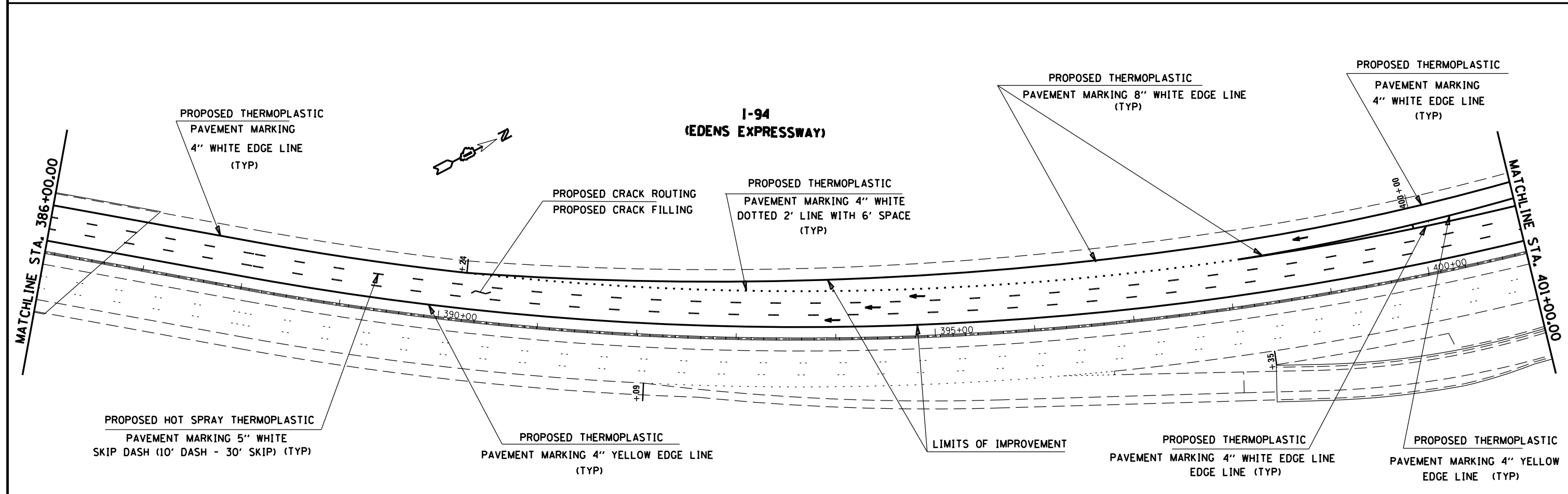
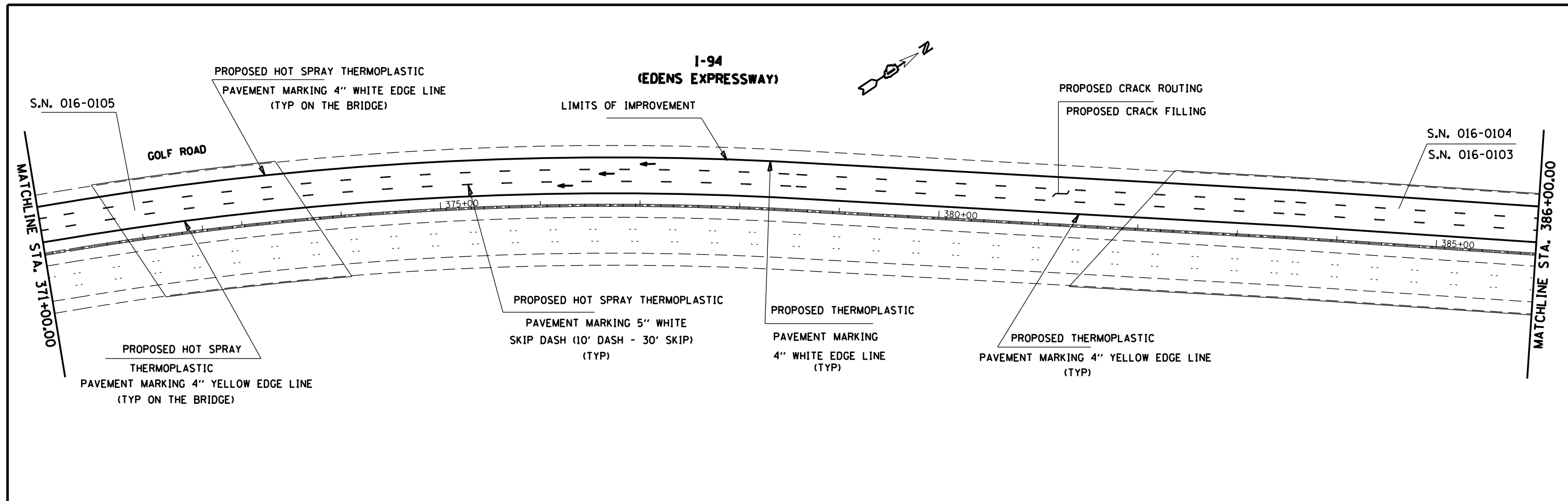
FILE NAME =	USER NAME = Gorengautab	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PLAN I-94 (LAWRENCE AVENUE TO LAKE COOK ROAD)				F.A.I. RTE. = 94	SECTION = 2014-0411	COUNTY = COOK	TOTAL SHEETS = 34	SHEET NO. = 13
Default	c:\pwwork\pwwork\gorengautab\d0388740\136114-sht-plan.dgn	DRAWN -	REVISED -		SCALE: 1" = 50'	SHEET	OF	SHEETS	STA.	TO	STA.	CONTRACT NO. 60Y35	
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -									ILLINOIS FED. AID PROJECT	
	PLOT DATE = 5/2/2014	DATE -	REVISED -										



FILE NAME =	USER NAME = Gorengautab	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PLAN I-94 (LAWRENCE AVENUE TO LAKE COOK ROAD)				F.A.I. RTE. 94	SECTION 2014-0411	COUNTY COOK	TOTAL SHEETS 34	SHEET NO. 14
Default	es:\pwwork\pwwork\gorengautab\d0388740\136114-sht-plan.dgn	DRAWN -	REVISED -		SCALE: 1" = 50'	SHEET	OF	SHEETS	STA.	TO	STA.	CONTRACT NO. 60Y35	
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -									ILLINOIS FED. AID PROJECT	
	PLOT DATE = 5/2/2014	DATE -	REVISED -										

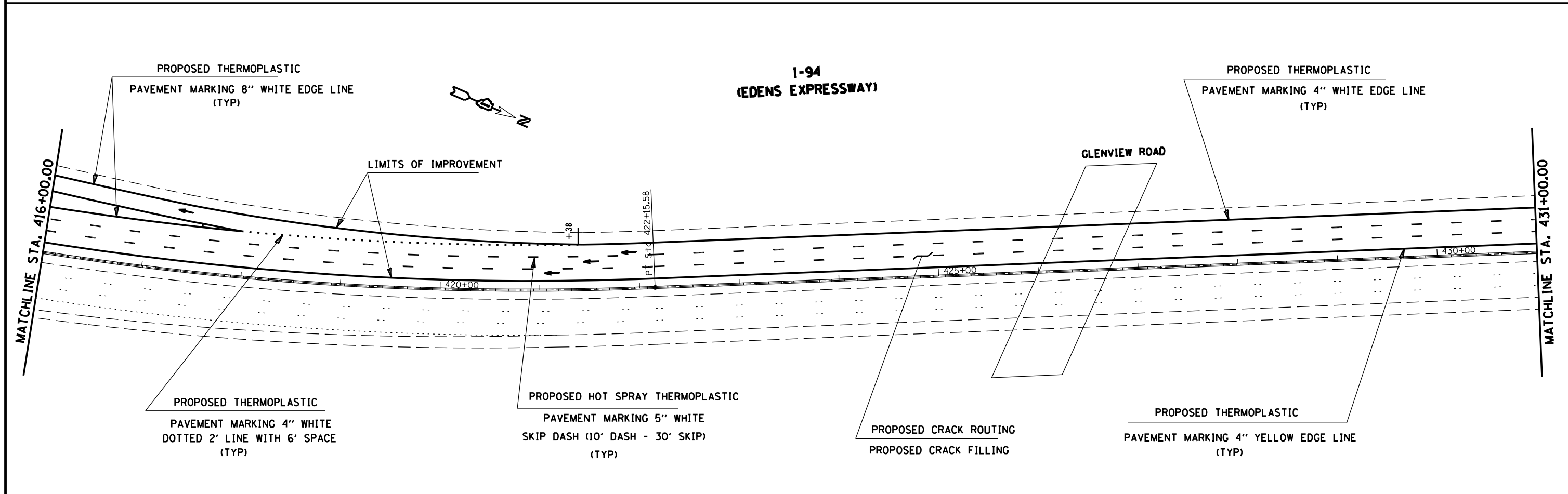
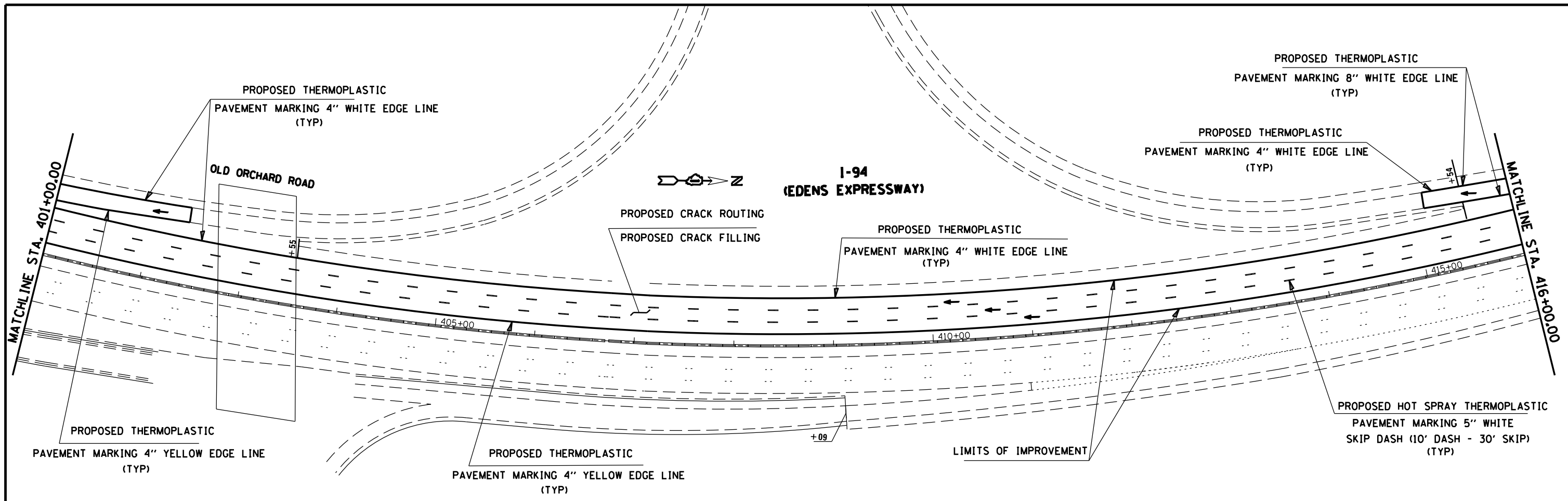


FILE NAME = c:\pwwork\pwwork\gorengautab\d0388740\0136114-sht-plan.dgn	USER NAME = Gorengautab	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PLAN				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -		I-94 (LAWRENCE AVENUE TO LAKE COOK ROAD)				94	2014-0411	COOK	34	15
Default	PLOT DATE = 5/2/2014	CHECKED -	REVISED -	SCALE: 1" = 50'				SHEET	OF	SHEETS	STA.	TO	STA.
											CONTRACT NO. 60Y35		ILLINOIS FED. AID PROJECT

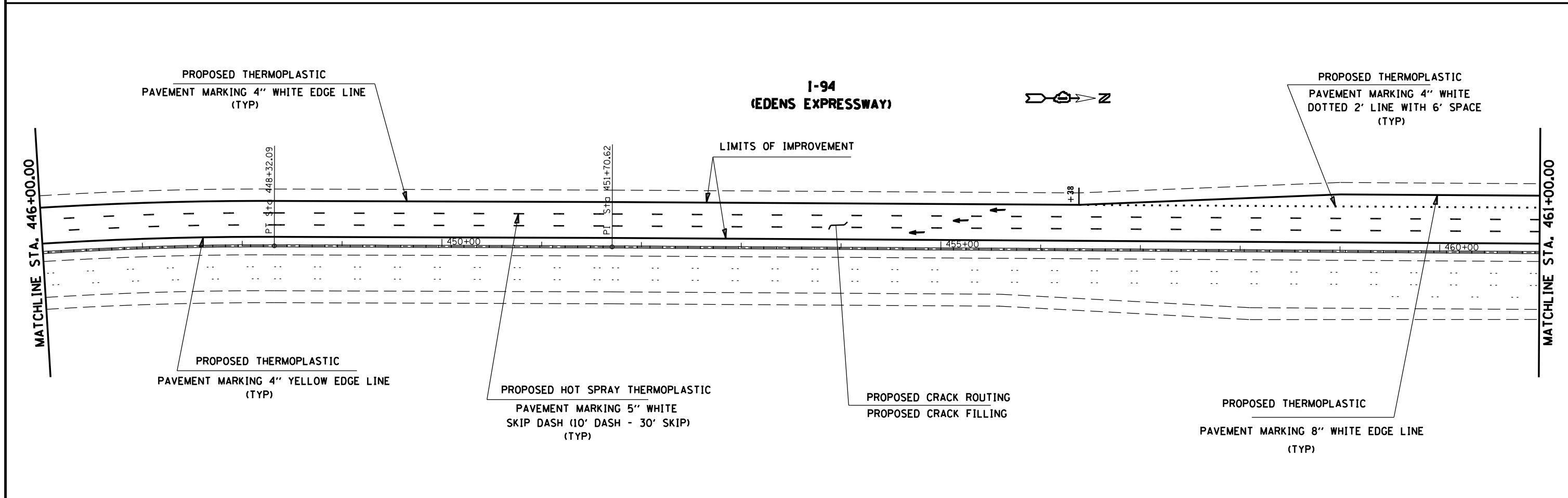
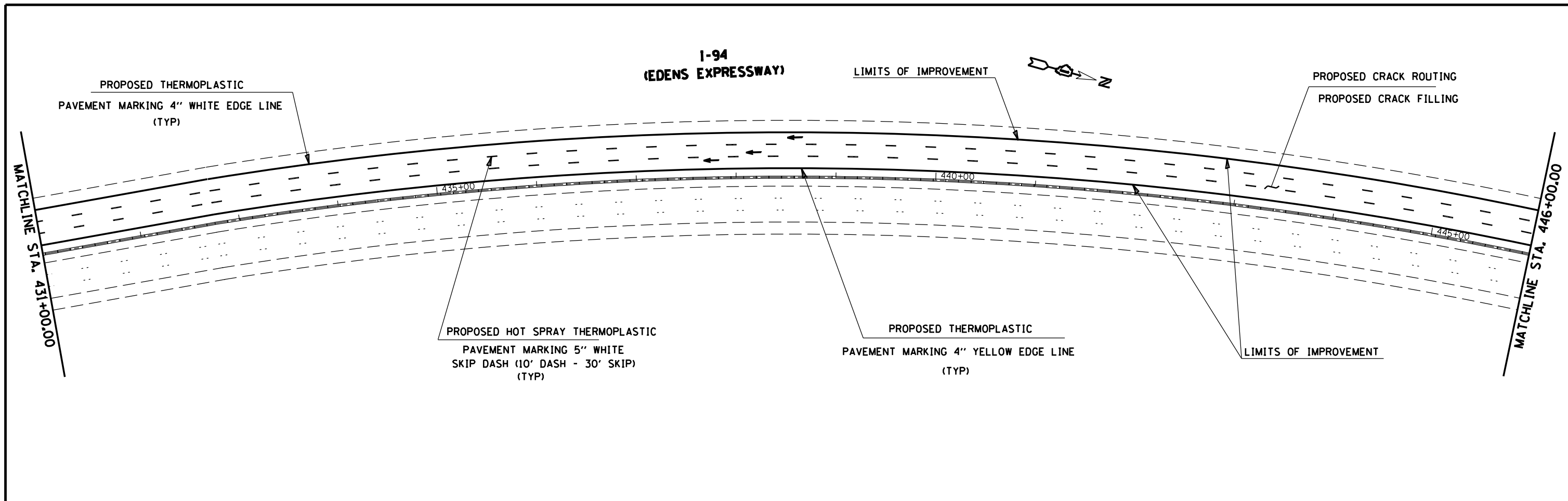


FILE NAME =	USER NAME = Gorengautab	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ROADWAY PLAN</b>				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwwork\pwwork\gorengautab\d0388740\0136114-sht-plan.dgn	0136114-sht-plan.dgn	DRAWN -	REVISED -		<b>I-94 (LAWRENCE AVENUE TO LAKE COOK ROAD)</b>				94	2014-0411	COOK	34	16
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		SCALE: 1" = 50'	SHEET	OF	SHEETS	STA.	TO	STA.	<b>CONTRACT NO. 60Y35</b>	
	PLOT DATE = 5/2/2014	DATE -	REVISED -		ILLINOIS FED. AID PROJECT								

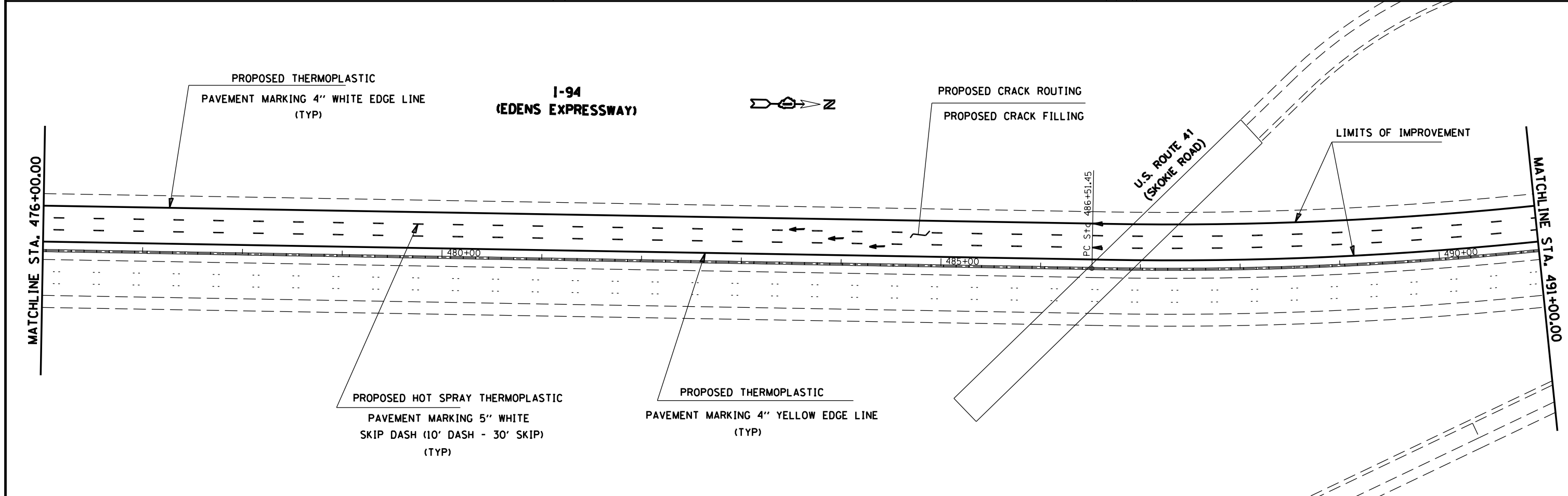
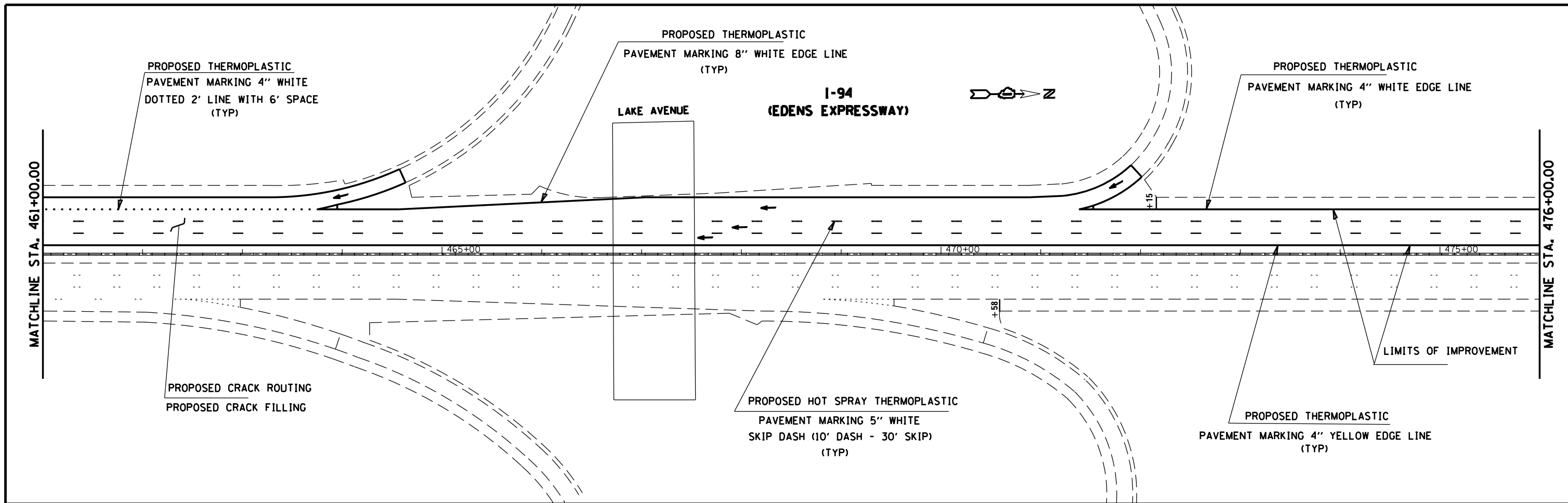




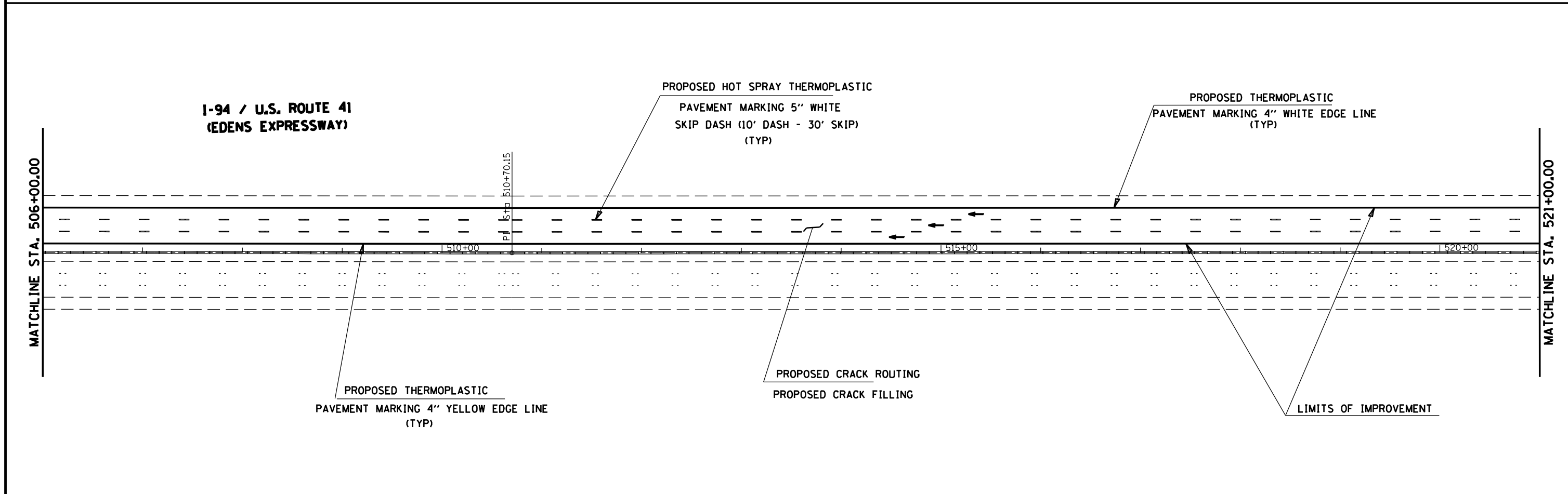
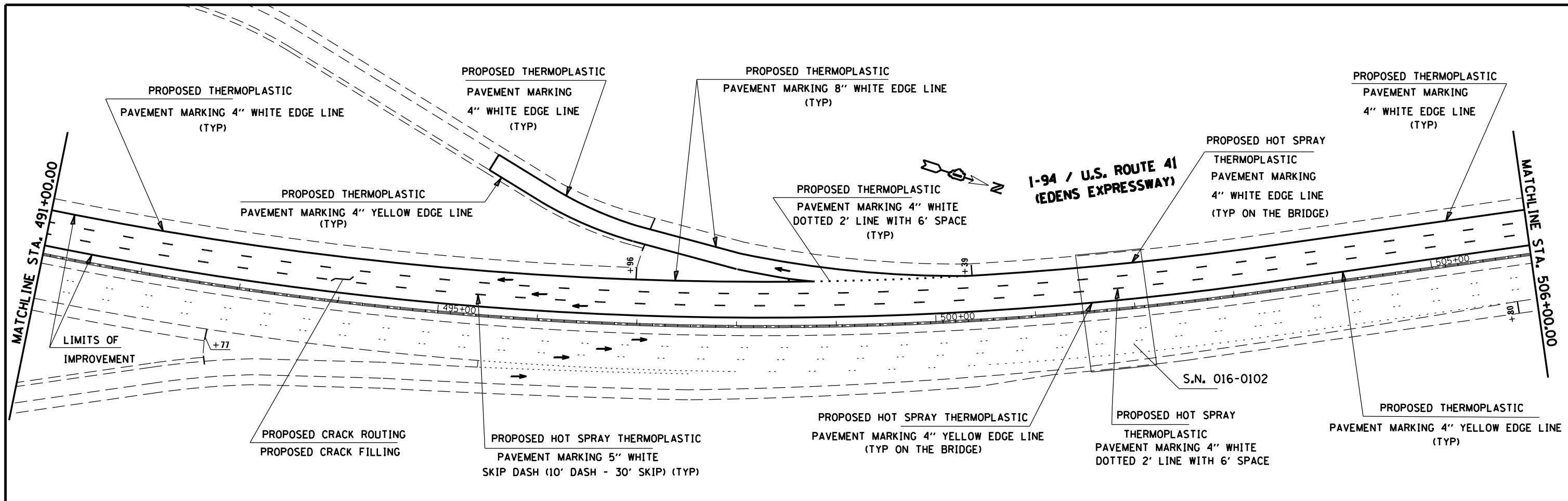
FILE NAME =	USER NAME = Gorengautab	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PLAN I-94 (LAWRENCE AVENUE TO LAKE COOK ROAD)				F.A.I. RTE. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	ca:\pwwork\pwwork\gorengautab\d0388740\136114-sht-plan.dgn	DRAWN -	REVISED -		94	2014-0411	COOK	34	17				
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		SCALE: 1" = 50'				CONTRACT NO. 60Y35				
	PLOT DATE = 5/6/2014	DATE -	REVISED -		SHEET OF SHEETS STA. TO STA.				ILLINOIS FED. AID PROJECT				



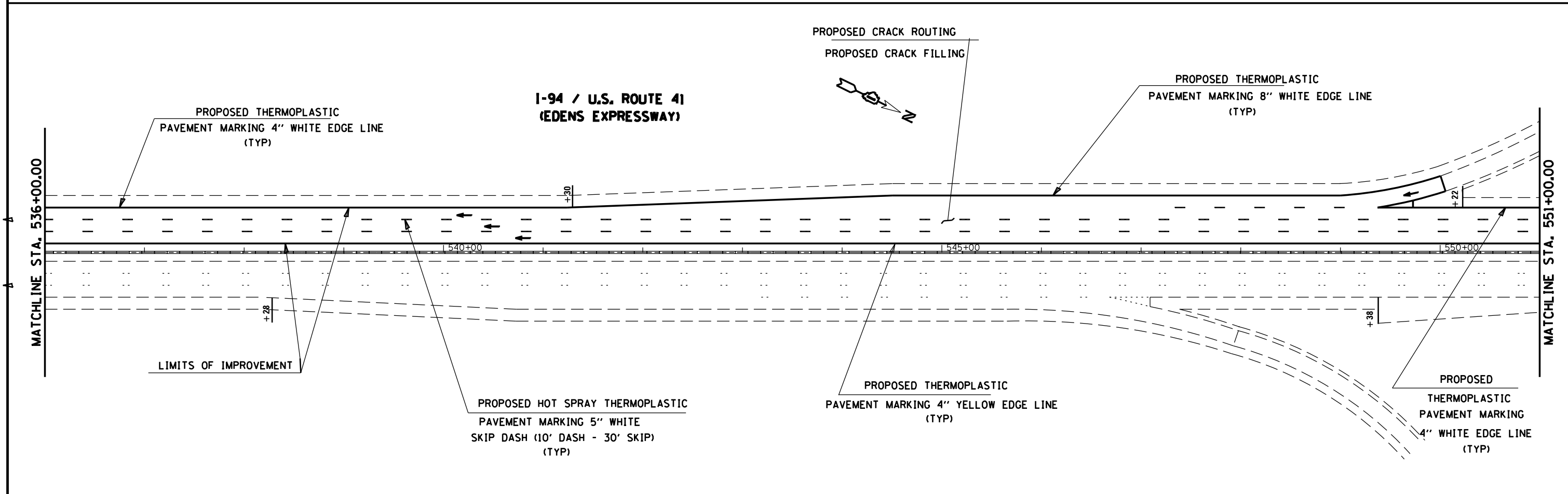
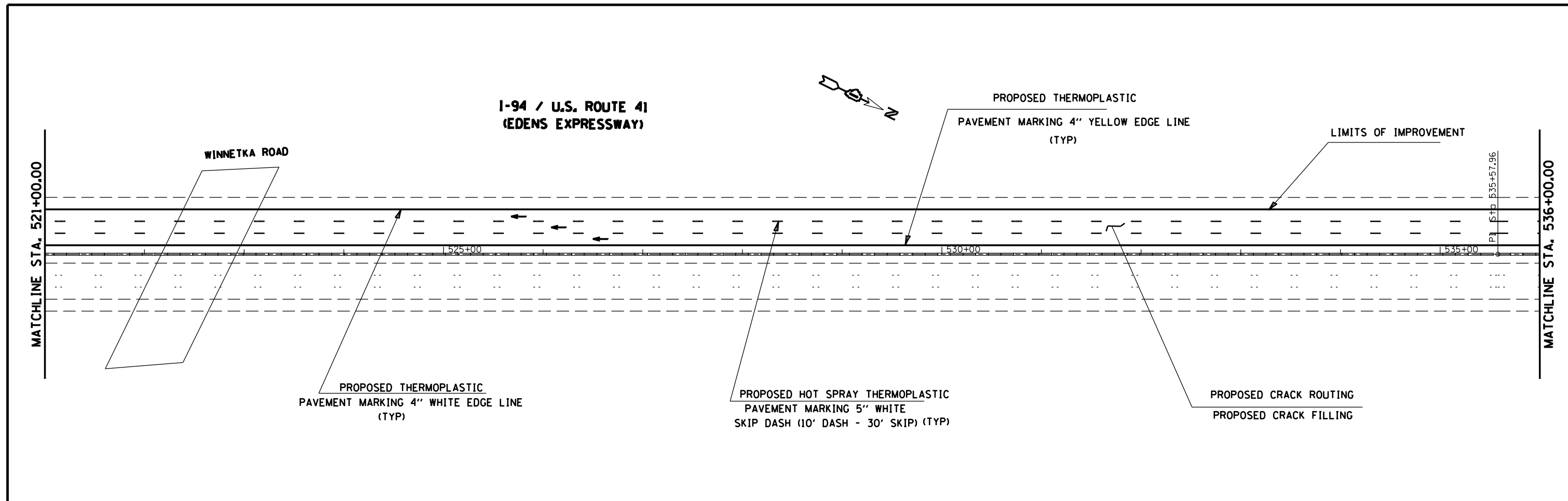
FILE NAME = c:\pwwork\pwwork\gorengautab\d0388740\136114-sht-plan.dgn	USER NAME = Gorengautab	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PLAN				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.0000' / 1" / 1" / 1"	DRAWN -	REVISED -		94	2014-0411	COOK	34	18				
Default	PLOT DATE = 5/2/2014	CHECKED -	REVISED -	SCALE: 1" = 50'	SHEET	OF	SHEETS	STA.	TO	STA.	CONTRACT NO. 60Y35		
											ILLINOIS FED. AID PROJECT		



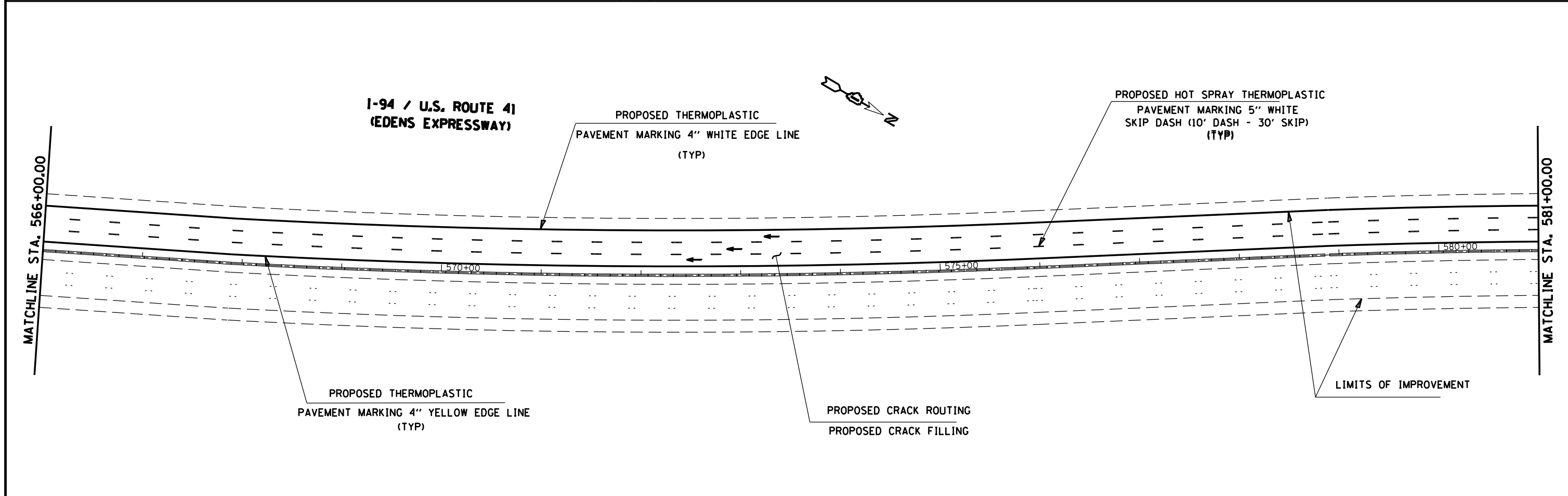
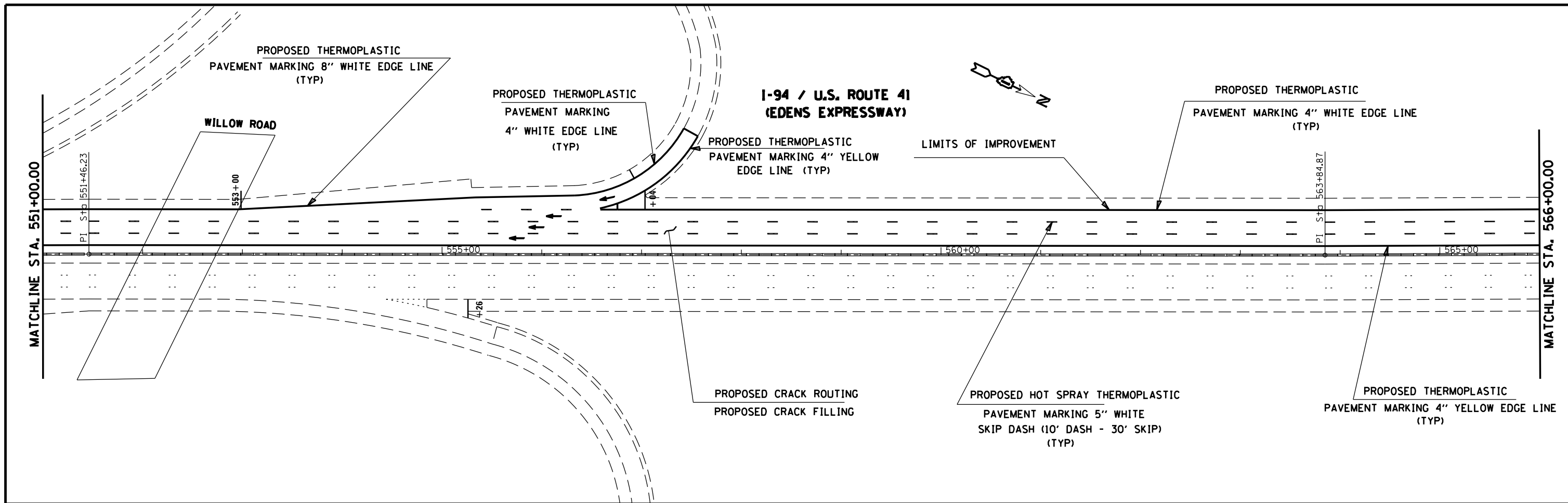
FILE NAME =	USER NAME = Gorengautab	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ROADWAY PLAN</b>				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	Default	DRAWN -	REVISED -		<b>I-94 (LAWRENCE AVENUE TO LAKE COOK ROAD)</b>				94	2014-0411	COOK	34	19
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		SCALE: 1" = 50'	SHEET	OF	SHEETS	STA.	TO	STA.	<b>CONTRACT NO. 60Y35</b>	
	PLOT DATE = 5/2/2014	DATE -	REVISED -		ILLINOIS FED. AID PROJECT								



FILE NAME =	USER NAME = Gorengautab	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ROADWAY PLAN</b>			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	c:\pwwork\pwwork\gorengautab\d0388740\0136114-sht-plan.dgn	DRAWN -	REVISED -		<b>I-94 (LAWRENCE AVENUE TO LAKE COOK ROAD)</b>			94	2014-0411	COOK	34	20
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		SCALE: 1" = 50'	SHEET	OF SHEETS	STA.	TO STA.	<b>CONTRACT NO. 60Y35</b>		
	PLOT DATE = 5/6/2014	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

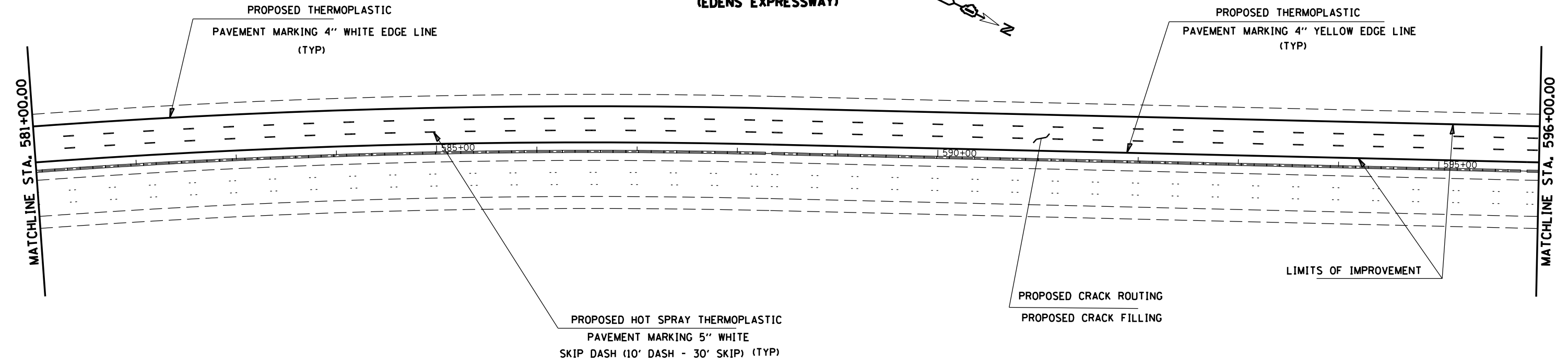


FILE NAME =	USER NAME = Gorengautab	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ROADWAY PLAN</b>				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	Default	DRAWN -	REVISED -		<b>I-94 (LAWRENCE AVENUE TO LAKE COOK ROAD)</b>				94	2014-0411	COOK	34	21
	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -		SCALE: 1" = 50'	SHEET	OF	SHEETS	STA.	TO	STA.	<b>CONTRACT NO. 60Y35</b>	
	PLOT DATE = 5/2/2014	DATE -	REVISED -		ILLINOIS FED. AID PROJECT								

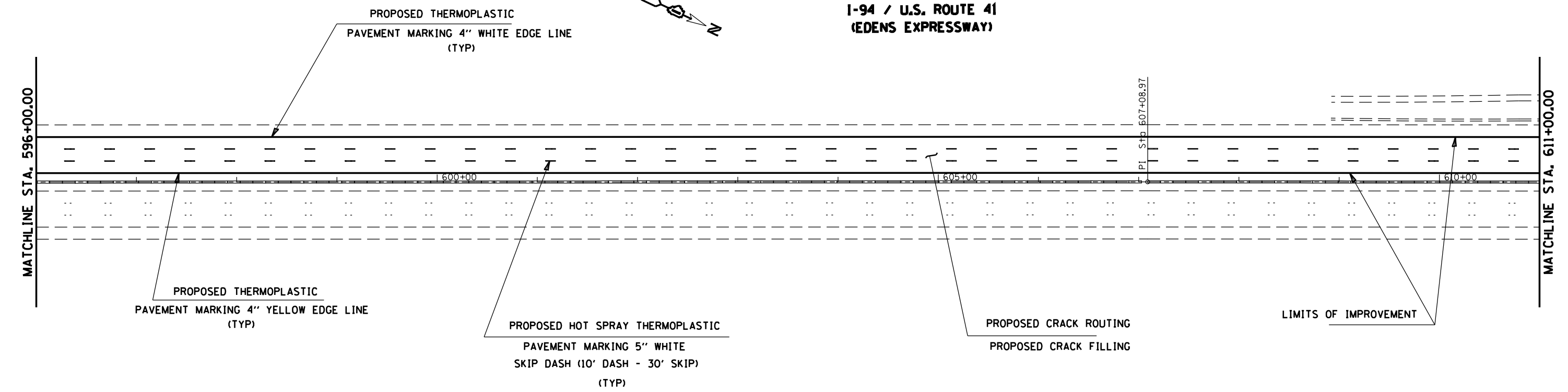


FILE NAME =	USER NAME = Gorengautab	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PLAN				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	Default	DRAWN -	REVISED -		I-94 (LAWRENCE AVENUE TO LAKE COOK ROAD)				94	2014-0411	COOK	34	22
		CHECKED -	REVISED -		SCALE: 1" = 50'	SHEET	OF	SHEETS	STA.	TO	STA.	CONTRACT NO. 60Y35	
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT								

I-94 / U.S. ROUTE 41  
(EDENS EXPRESSWAY)



I-94 / U.S. ROUTE 41  
(EDENS EXPRESSWAY)



FILE NAME =	USER NAME = Gorengautab	DESIGNED -	REVISED -
et:\pwork\pwork\gorengautab\d0388740\136114-sht-plan.dgn		DRAWN -	REVISED -
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
Default	PLOT DATE = 5/2/2014	DATE -	REVISED -

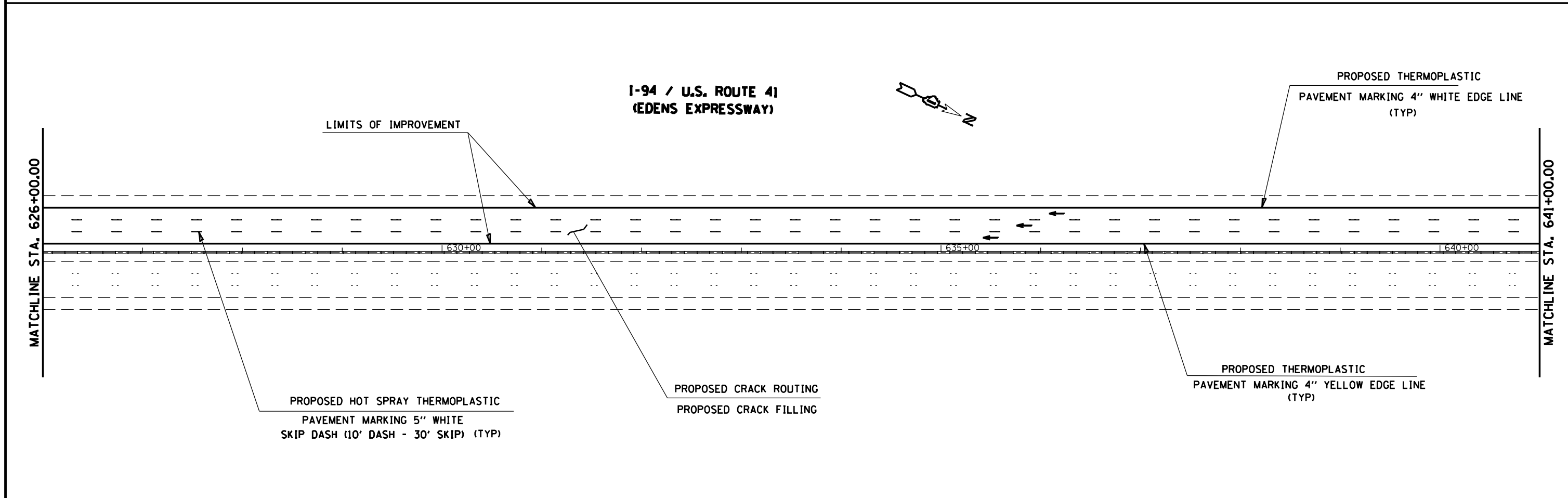
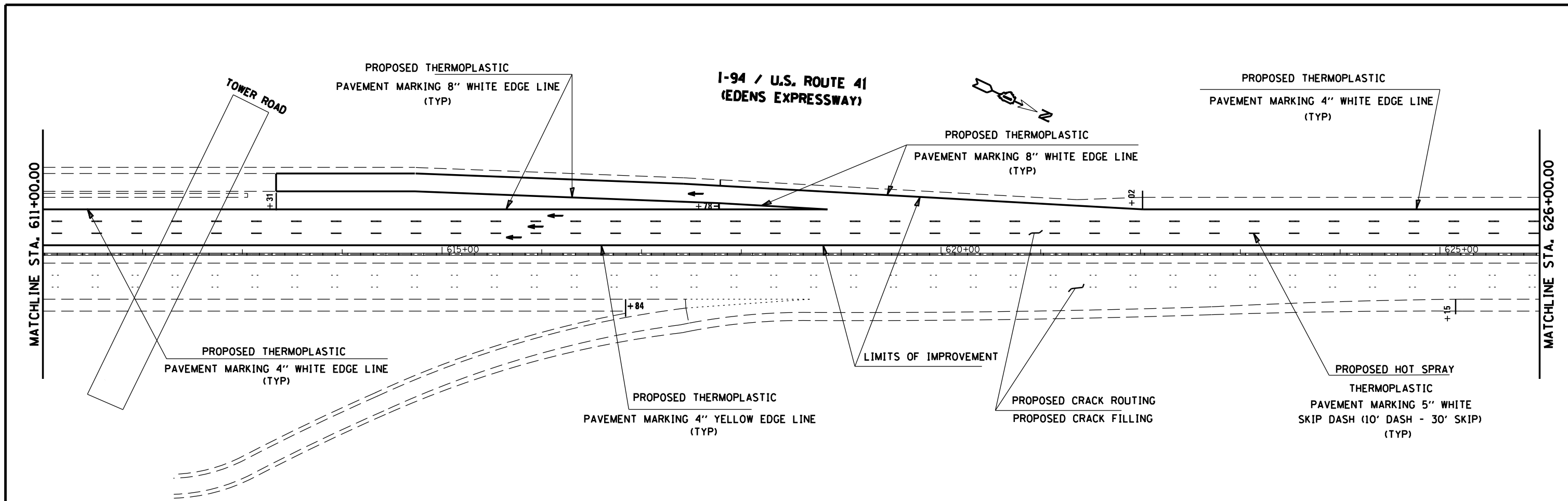
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN  
I-94 (LAWRENCE AVENUE TO LAKE COOK ROAD)

SCALE: 1" = 50'

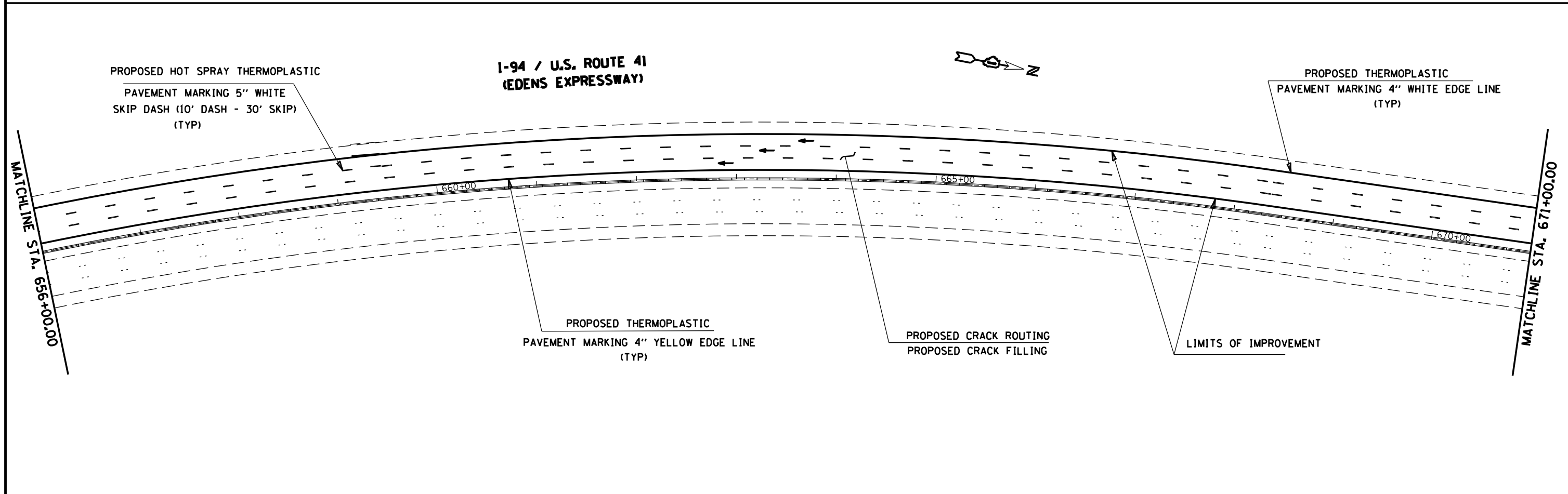
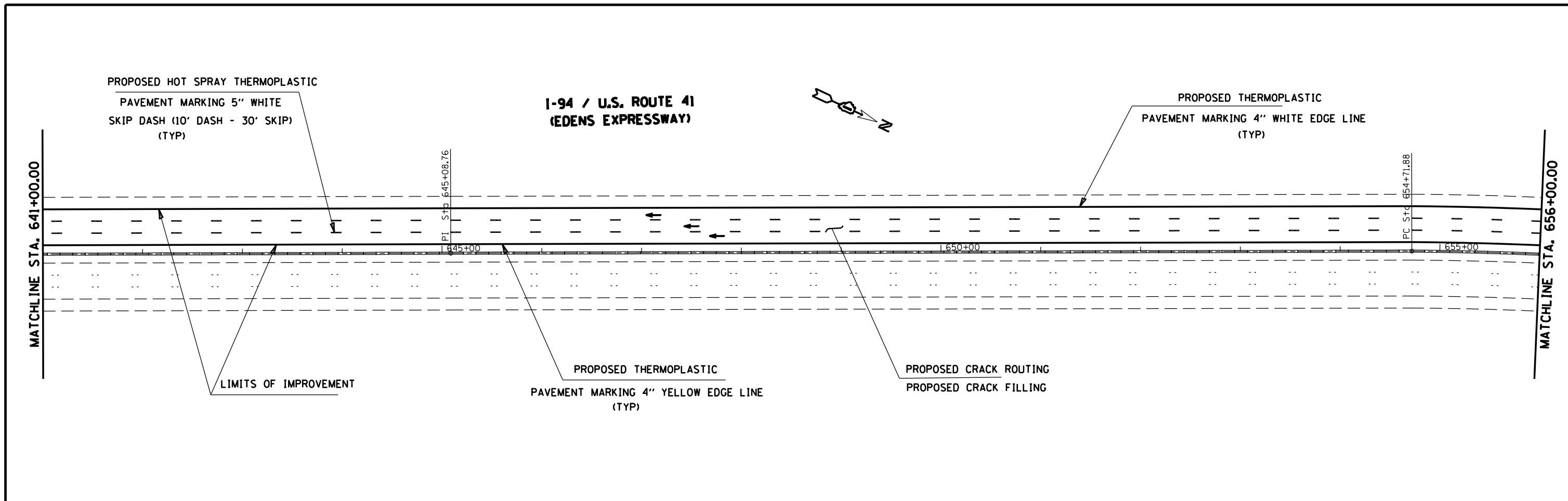
SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2014-0411	COOK	34	23
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60Y35	

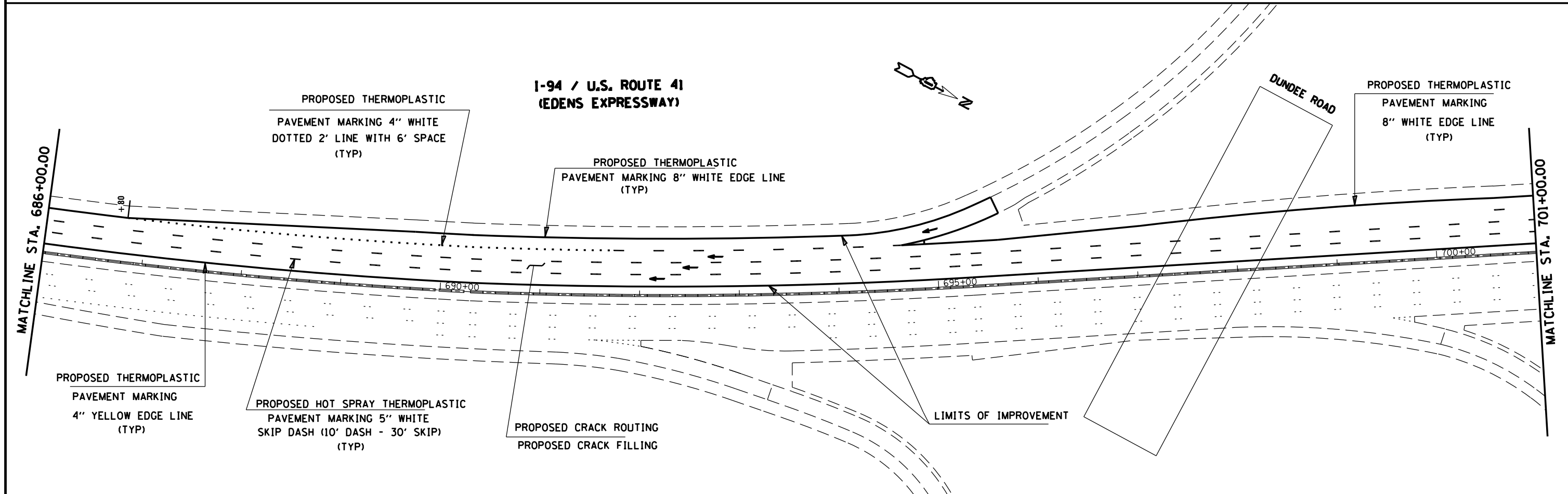
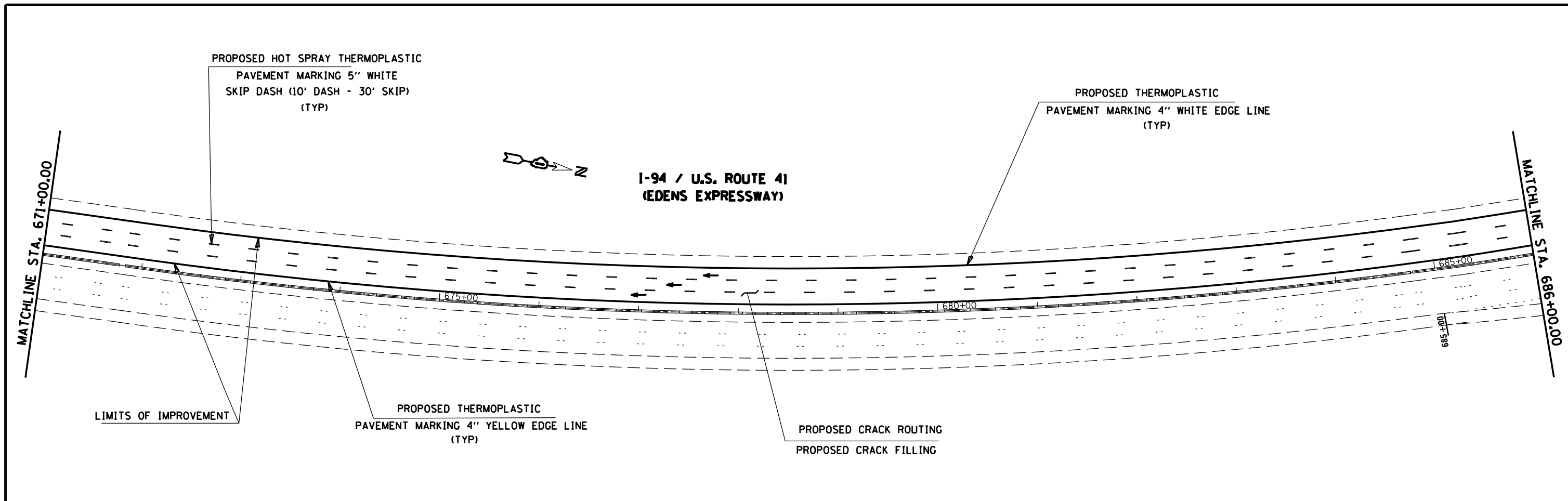


FILE NAME =	USER NAME = Gorengautab	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ROADWAY PLAN</b>				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	es:\pwwork\pwwork\gorengautab\d0388740\136114-sht-plan.dgn	DRAWN -	REVISED -		<b>I-94 (LAWRENCE AVENUE TO LAKE COOK ROAD)</b>				94	2014-0411	COOK	34	24
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		SCALE: 1" = 50'	SHEET	OF	SHEETS	STA.	TO	STA.	<b>CONTRACT NO. 60Y35</b>	
	PLOT DATE = 5/2/2014	DATE -	REVISED -		ILLINOIS FED. AID PROJECT								

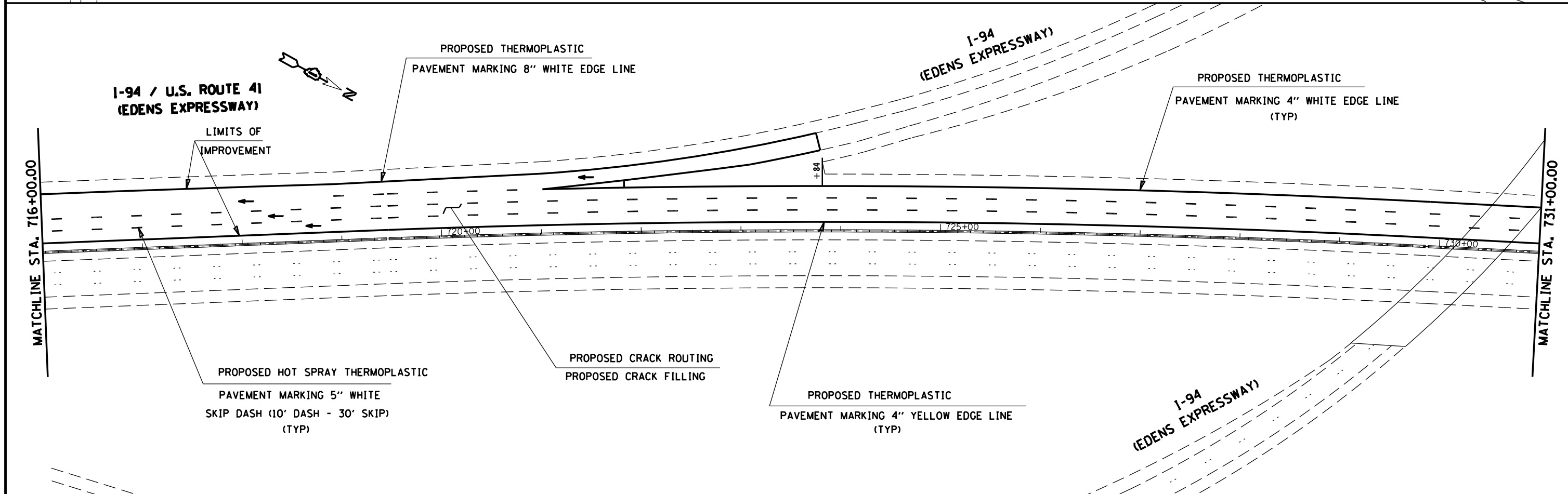
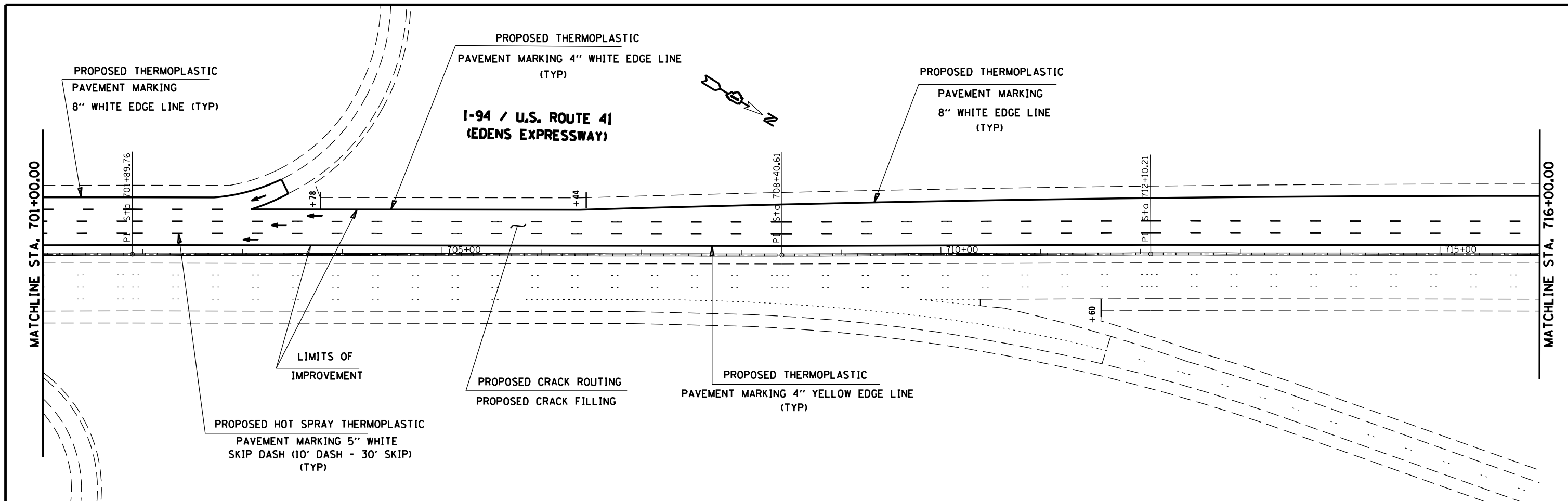




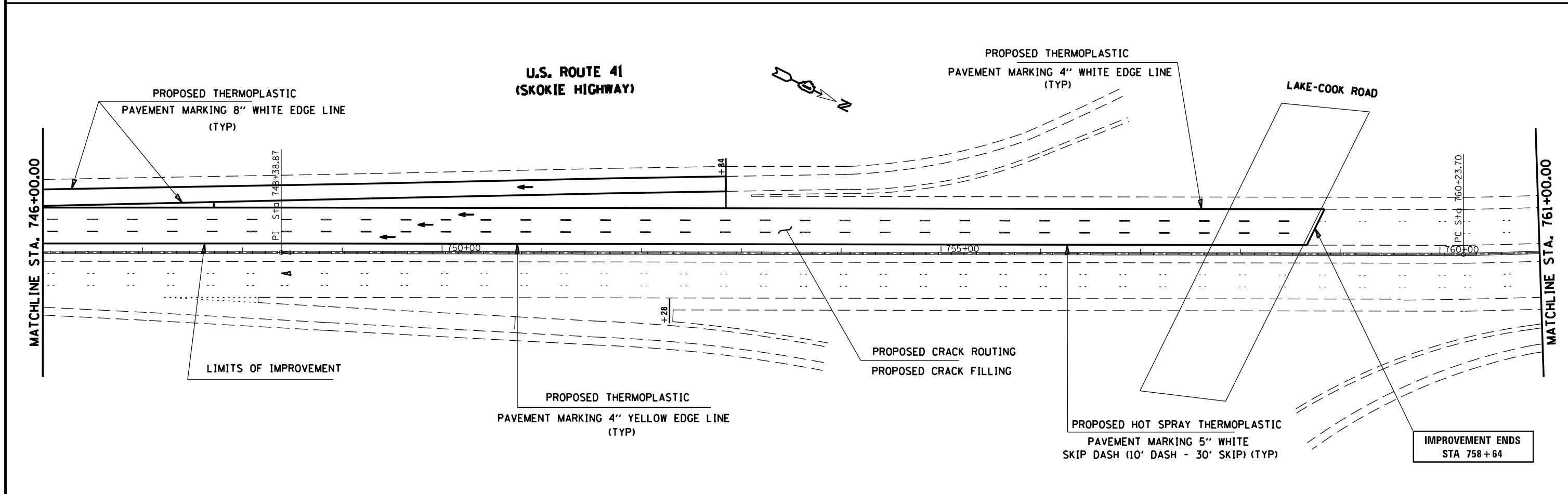
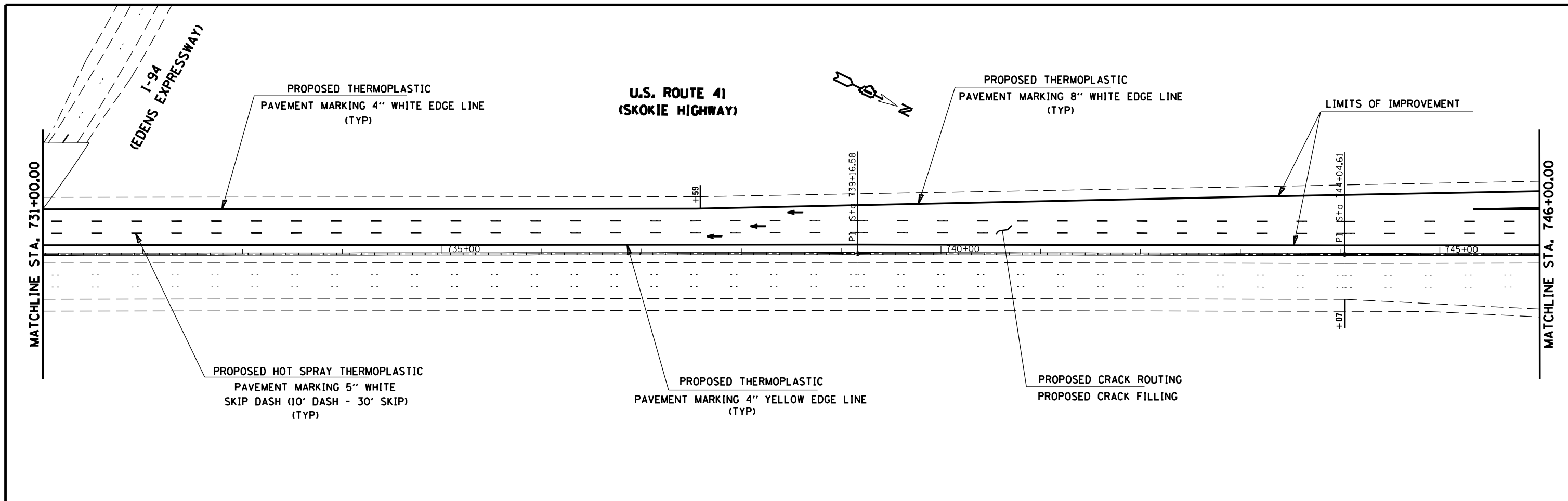
FILE NAME = c:\pwwork\pwwork\gorengautab\d0388740\136114-sht-plan.dgn	USER NAME = Gorengautab	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PLAN			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -		I-94 (LAWRENCE AVENUE TO LAKE COOK ROAD)	94	2014-0411	COOK	34	25		
Default	PLOT DATE = 5/2/2014	CHECKED -	REVISED -	SCALE: 1" = 50'	SHEET	OF	SHEETS	STA.	TO STA.	CONTRACT NO. 60Y35		
											ILLINOIS FED. AID PROJECT	



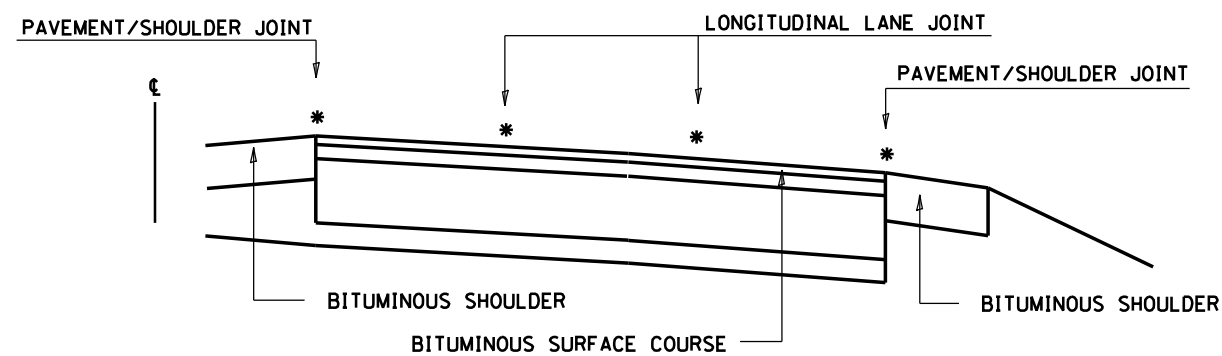
FILE NAME =	USER NAME = Gorengautab	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ROADWAY PLAN</b>				F.A.I. RTE. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ci:\pwwork\pwwork\gorengautab\d0388740\136114-sht-plan.dgn	D136114-sht-plan.dgn	DRAWN -	REVISED -		<b>I-94 (LAWRENCE AVENUE TO LAKE COOK ROAD)</b>				94	2014-0411	COOK	34	26
Default	PLOT SCALE = 100.0056' / in.	CHECKED -	REVISED -		SCALE: 1" = 50'	SHEET	OF	SHEETS	STA.	TO	STA.	<b>CONTRACT NO. 60Y35</b>	
	PLOT DATE = 5/6/2014	DATE -	REVISED -		ILLINOIS FED. AID PROJECT								



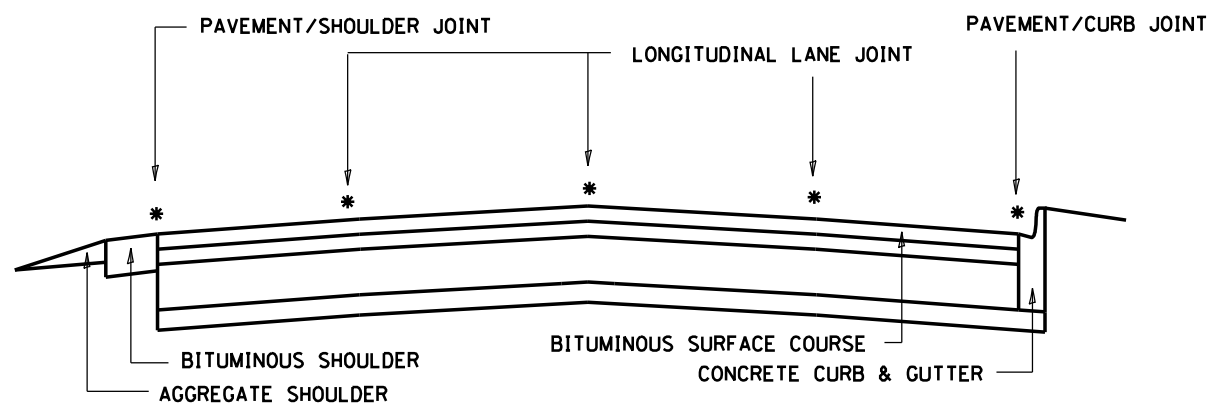
FILE NAME =	USER NAME = Gorengautab	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PLAN		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	et:\pwork\p1dot\gorengautab\d0388740\0136114-sht-plan.dgn	DRAWN -	REVISED -		I-94 (LAWRENCE AVENUE TO LAKE COOK ROAD)		94	2014-0411	COOK	34	27	
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		SCALE: 1" = 50'	SHEET	OF	SHEETS	STA.	TO	STA.	CONTRACT NO. 60Y35
	PLOT DATE = 5/2/2014	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							



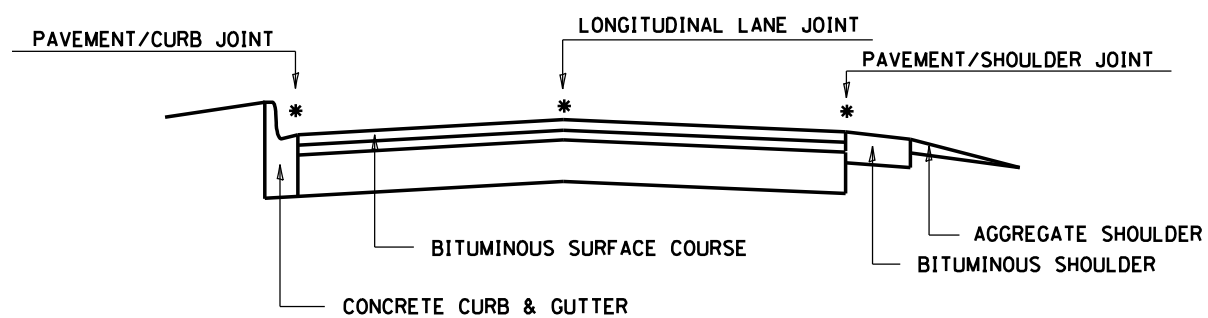
FILE NAME =	USER NAME = Gorengautab	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ROADWAY PLAN</b>				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ca:\pwwork\pwwork\gorengautab\d0388740\136114-sht-plan.dgn	PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -		<b>I-94 (LAWRENCE AVENUE TO LAKE COOK ROAD)</b>				94	2014-0411	COOK	34	28
Default	PLOT DATE = 5/2/2014	CHECKED -	REVISED -		SCALE: 1" = 50'	SHEET	OF	SHEETS	STA.	TO	STA.	<b>CONTRACT NO. 60Y35</b>	
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT								



MULTI-LANE DIVIDED PAVEMENT



MULTI-LANE UNDIVIDED PAVEMENT

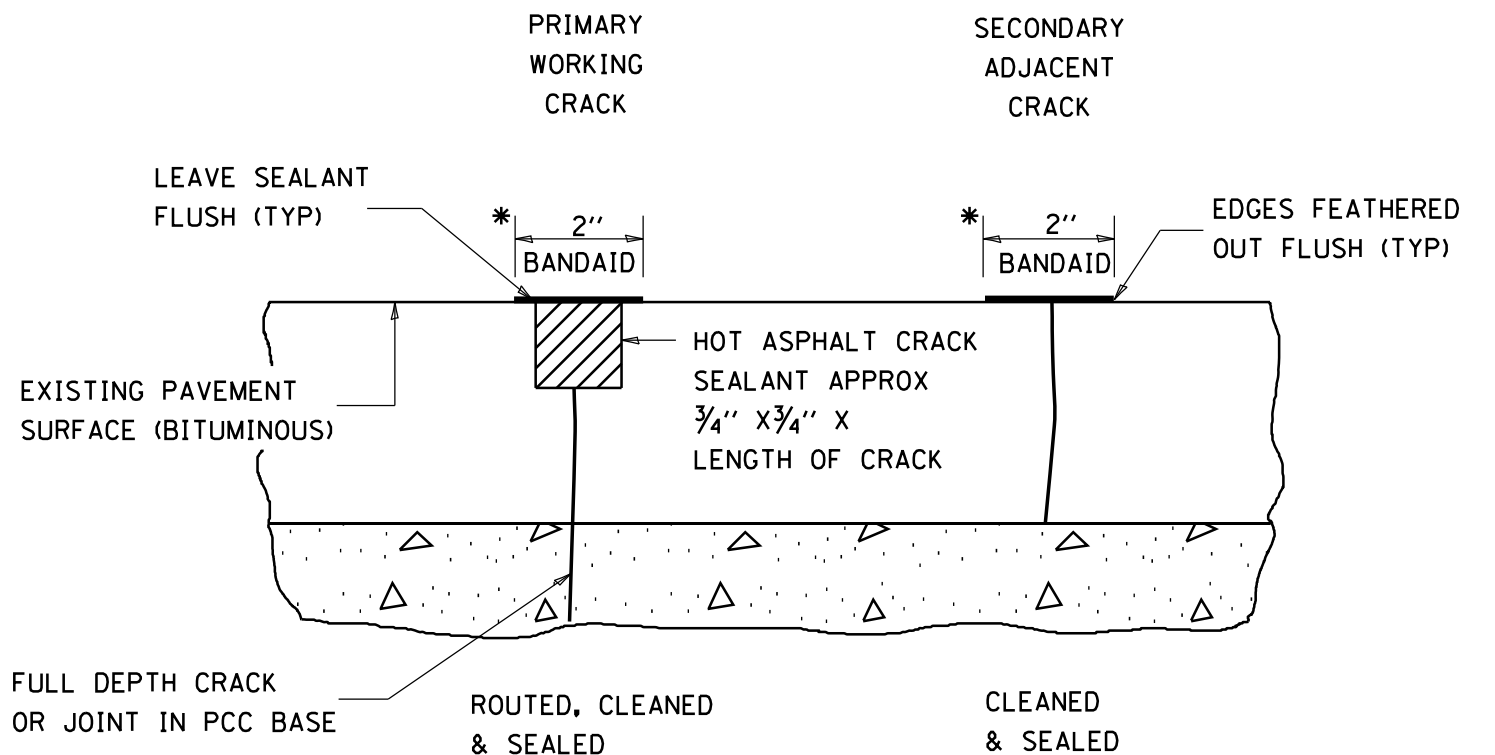


TWO-LANE PAVEMENT

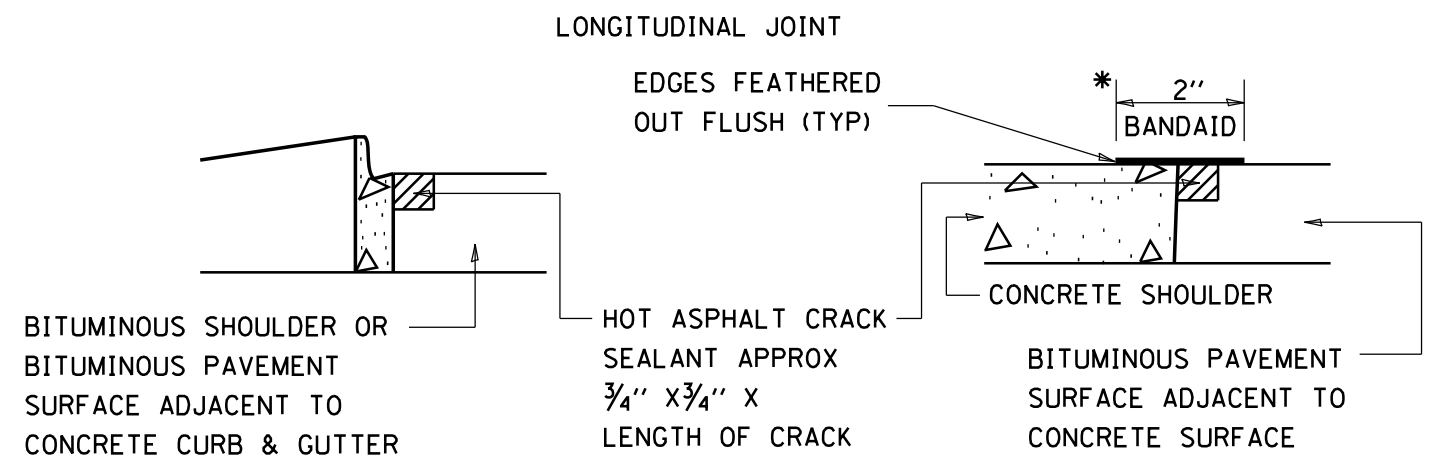
PROPOSED TRANSVERSE CRACK ROUTING (PAVEMENT) & CRACK FILLING LOCATIONS NOT SHOWN

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

GENERAL EXISTING TYPICAL SECTIONS

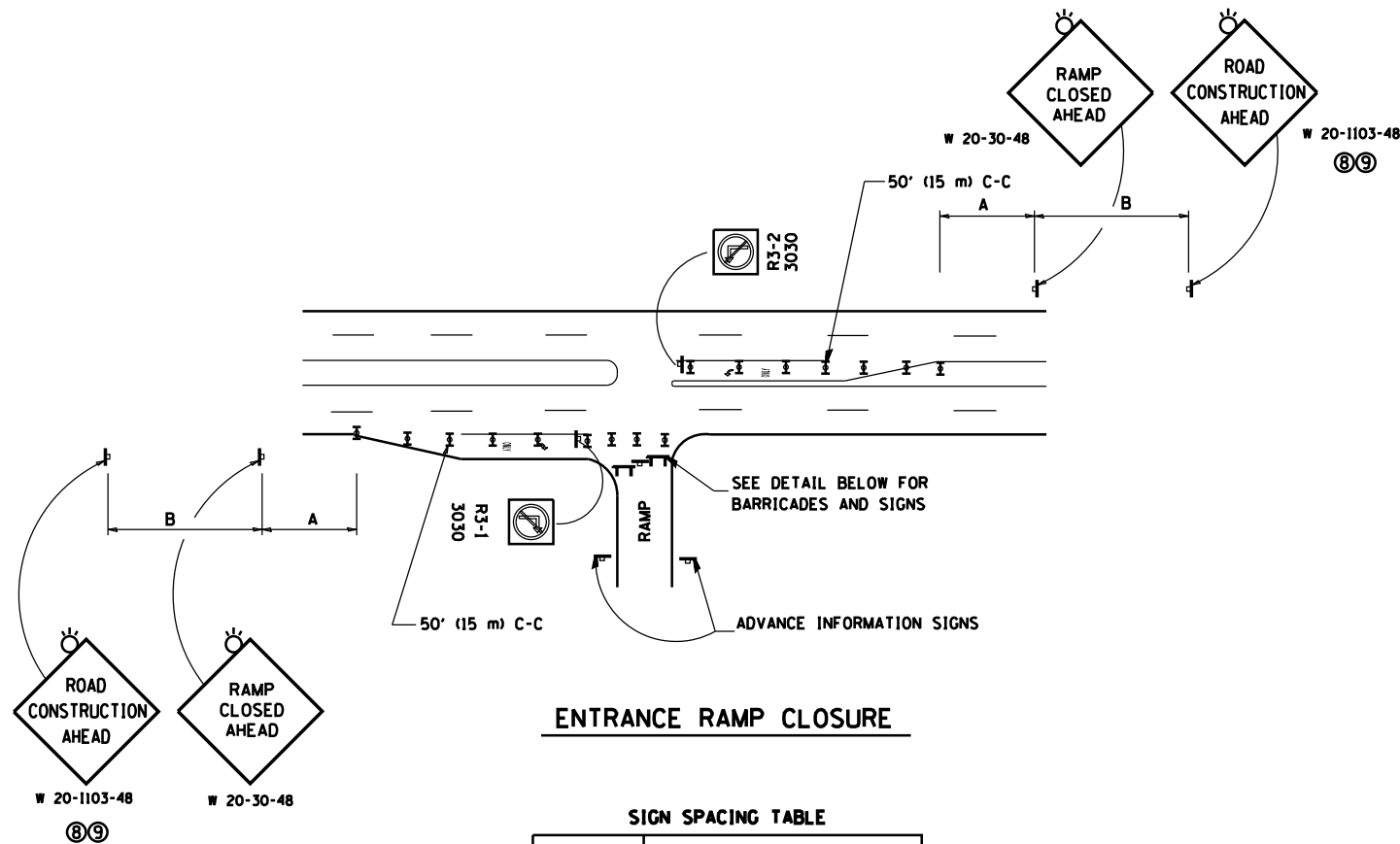


\* IN ALL LOCATIONS WHERE THE LONGITUDINAL CRACK CONFLICTS WITH EXISTING PAVEMENT MARKINGS (EITHER EDGE LINE OR LANE LINE) THE CRACK SHALL BE ROUTED & THE RESULTING RESERVOIR FILLED WITH SEALANT. HOWEVER, THE 2" BANDAID SEALANT STRIP SHALL BE DELETED TO PREVENT UNNECESSARY DAMAGE TO THE EXISTING PAVEMENT MARKINGS. 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 HOT SPRAY THERMOPLASTIC PAVEMENT MARKINGS.



CRACK & JOINT SEALING DETAIL

FILE NAME = D136114-sht-plan.dgn	USER NAME = Gorengautab	DESIGNED - DRAWN -	REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-94 (LAWRENCE AVENUE TO LAKE COOK ROAD) CRACK & JOINT SEALING DETAIL	F.A.I. RTE. 94	SECTION 2014-0411	COUNTY COOK	TOTAL SHEETS 34	SHEET NO. 29	
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -	SCALE: 1" = 100'			SHEET NO. OF SHEETS	STA. TO STA.	CONTRACT NO. 60Y35		ILLINOIS FED. AID PROJECT	
PLOT DATE = 5/2/2014	DATE -	REVISED -									

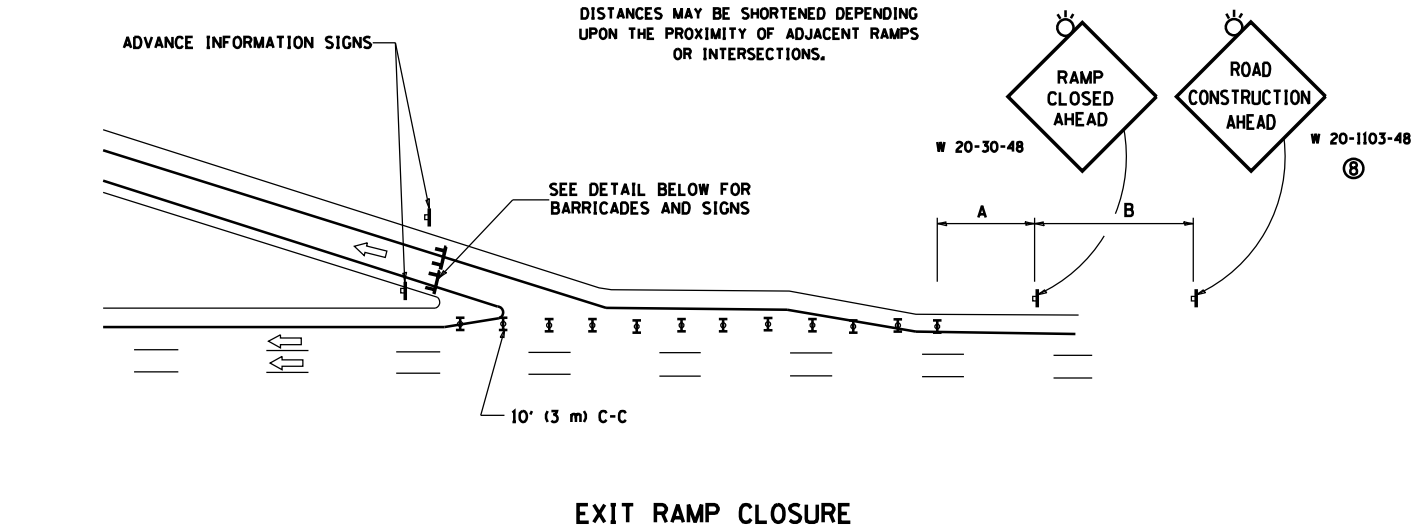


**ENTRANCE RAMP CLOSURE**

**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)

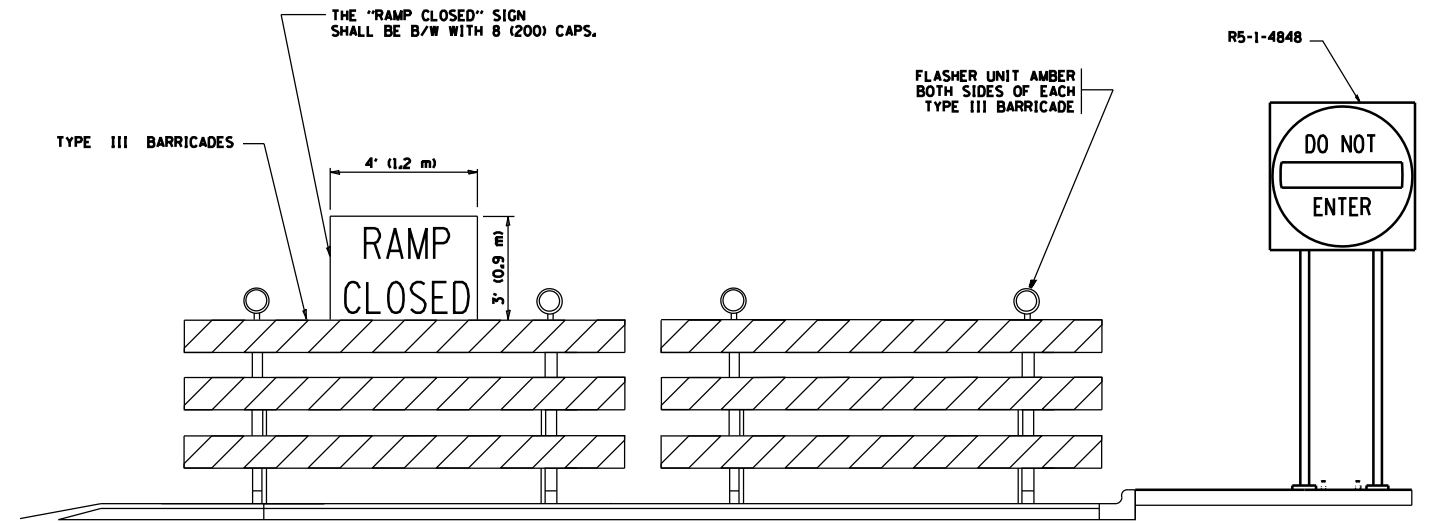
DISTANCES MAY BE SHORTENED DEPENDING UPON THE PROXIMITY OF ADJACENT RAMPS OR INTERSECTIONS.



**EXIT RAMP CLOSURE**

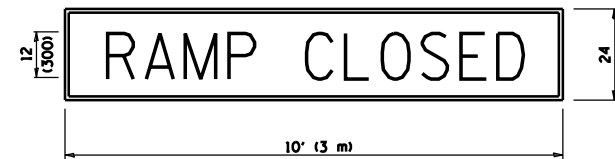
**SYMBOLS**

- ▬ TYPE II BARRICADE OR DRUM WITH STEADY BURN MONO-DIRECTIONAL LIGHT
- ▬ TYPE III BARRICADE WITH 2 FLASHING LIGHTS



**DETAIL FOR REQUIRED BARRICADES & SIGNS**

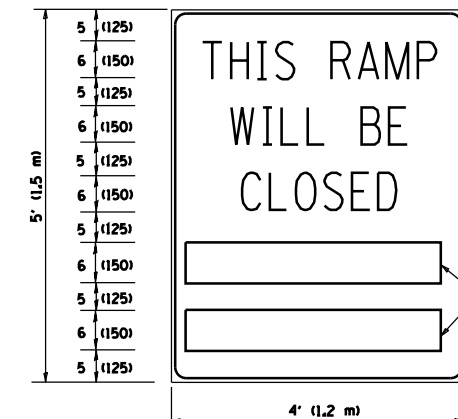
**RAMP CLOSURE ADVANCE WARNING SIGN**



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

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

**RAMP CLOSURE ADVANCE INFORMATION SIGN**



BLACK LEGEND ON WHITE BACKGROUND

1/2 (12) BORDER

E MOD FONT

THESE BLANK AREAS SHALL BE FILLED WITH THE DATES AND THE TIME THAT THE RAMP WILL BE CLOSED.

THESE SIGNS ARE REQUIRED ON BOTH SIDES OF THE RAMP, MINIMUM OF 1 WEEK IN ADVANCE OF THE CLOSURE.

THESE SIGNS SHALL BE FABRICATED AND PAID FOR ACCORDING TO THE TEMPORARY INFORMATION SIGNING SPECIAL PROVISION

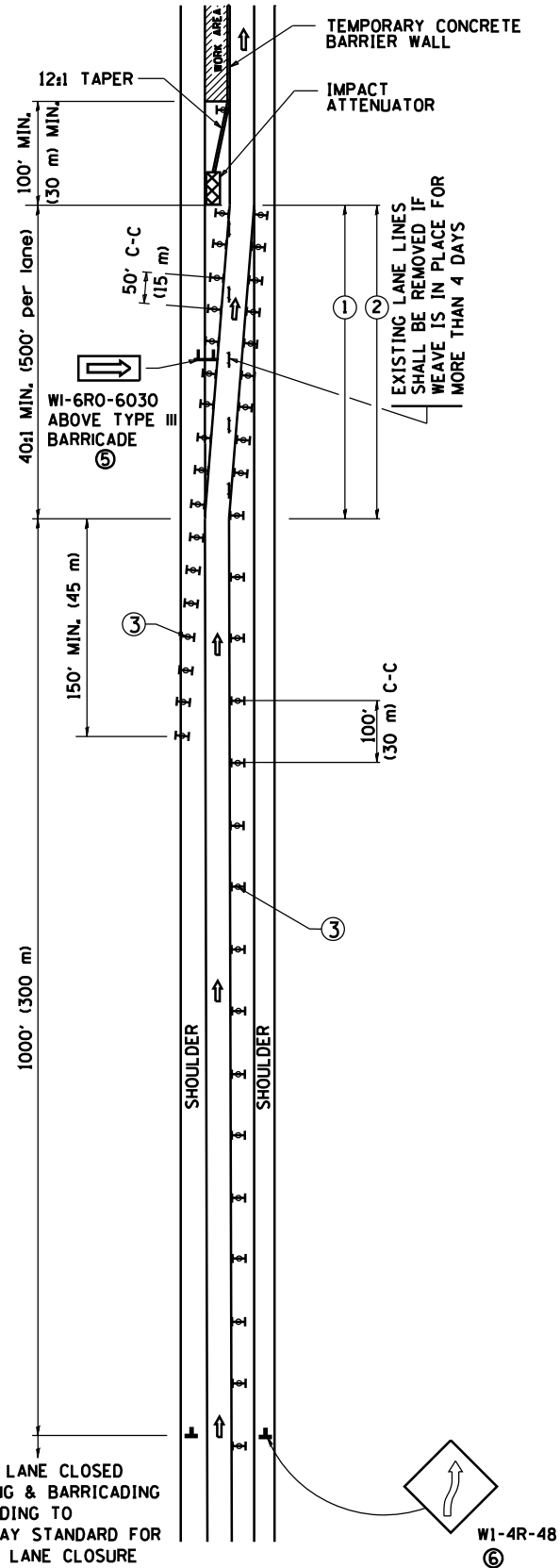
**GENERAL NOTES:**

- ① CONES MAY BE SUBSTITUTED FOR DRUMS OR TYPE II BARRICADES DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (700) HIGH.
- ② STEADY BURN LIGHTS WILL NOT BE REQUIRED FOR DAY OPERATIONS.
- 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.

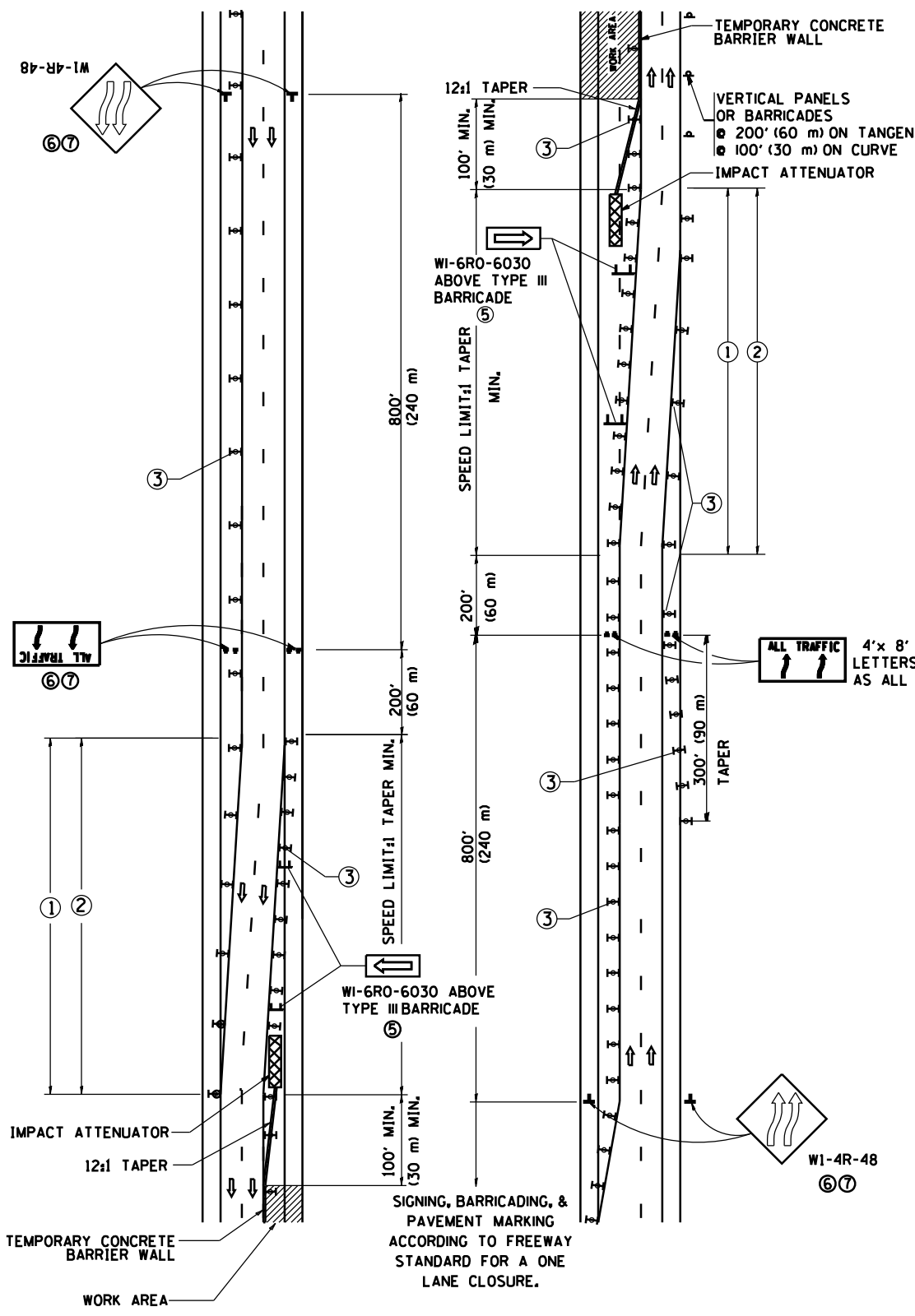
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME =	USER NAME = Gorengautab	DESIGNED - DWS	REVISED - JAF 02-06	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ENTRANCE AND EXIT RAMP CLOSURE DETAILS</b>		F.A.I. RTE. 94	SECTION 2014-0411	COUNTY COOK	TOTAL SHEETS 34	SHEET NO. 30
et:\pwork\pwork\gorengautab\d0388740\136114-sht-plan.dgn	PLOT SCALE = 100.0000' / 1"	CHECKED -	REVISED - SPB 01-07		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	TC-08	CONTRACT NO. 60Y35	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	
PLOT DATE = 5/2/2014	DATE - 02-83	REVISED - SPB 12-09	REVISED - MD 06-13								

# SINGLE LANE WEAVE



# MULTI-LANE WEAVE



### GENERAL NOTES

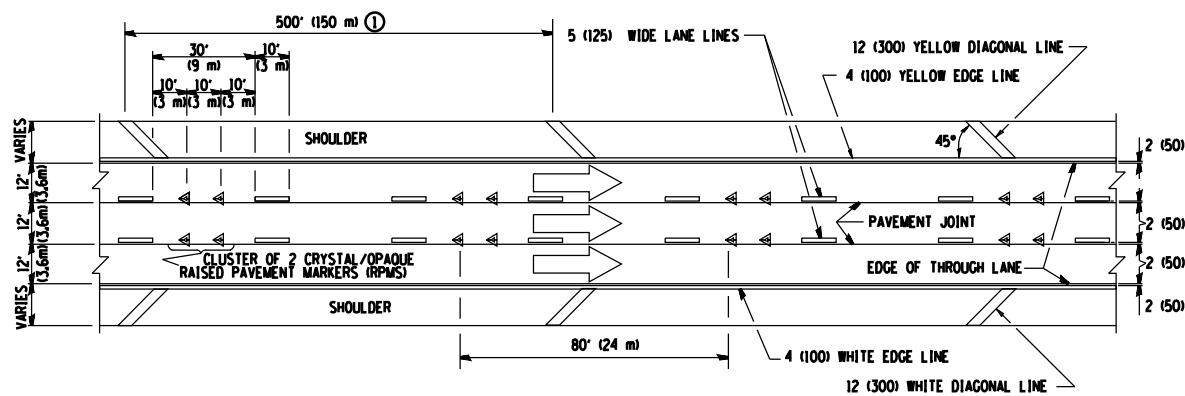
- ① EXISTING CONFLICTING PAVEMENT MARKING LINES SHALL BE REMOVED. PAVEMENT MARKING REMOVAL SHALL NOT BE REQUIRED FOR SINGLE LANE WEAVES UNDER 4 DAYS IN DURATION.
- ② CONTINUOUS REFLECTIVE TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE TAPER AND FOR 300' (90 m) ALONG SIDE THE WORK AREA WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS. THE LEFT EDGE LINE SHALL BE YELLOW AND THE RIGHT EDGE LINE SHALL BE WHITE. FOR MULTI-LANE WEAVES LANE LINES SHALL BE 5 INCH, 10'-30' (3 m-9 m) SKIP DASH, WHITE.
- ③ PLASTIC DRUMS WITH STEADY BURN LIGHTS AT 50' (15 m) C-C SPACING IN TAPERS AND 100' (30 m) C-C SPACING IN TANGENTS.
- ④ ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- ⑤ TYPE III BARRICADES MAY BE OMITTED FOR SINGLE-LANE WEAVES UNDER 24-HOURS IN DURATION. WI-6 SIGNS WILL STILL BE REQUIRED. IF THE WIDTH OF OFFSET IS LESS THAN 6' THEN THE TYPE III BARRICADE WITH ATTACHED ARROW SIGN PANEL CAN BE ELIMINATED IN THE TAPER AREAS.
- ⑥ WHEN THE LENGTH OF THE SHIFTED SEGMENT (DISTANCE BETWEEN WEAVE POINTS) IS LESS THAN 1500', DOUBLE REVERSE CURVE SIGNS (W24-1) SHOULD BE USED INSTEAD OF THE REVERSE CURVE (W1-4) SIGNS. ARROWS ON THE 4'X8' "ALL TRAFFIC" SIGNS SHALL BE THE SAME SHAPE.
- ⑦ THE NUMBER OF ARROWS ON THESE SIGNS SHALL MATCH THE NUMBER OF LANES OPEN TO TRAFFIC.

### SYMBOLS

- DIRECTION OF TRAFFIC
- WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- TYPE II BARRICADE OR DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT
- TEMPORARY CONCRETE BARRIER WALL
- IMPACT ATTENUATOR
- W1-4R-48
- W24-1-48

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

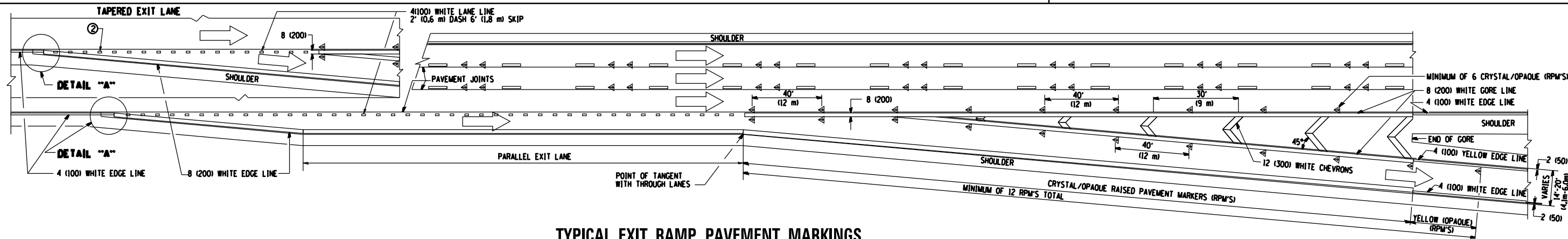
FILE NAME =	USER NAME = Gorengautab	DESIGNED - DWS	REVISED - JAF 02-06	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TRAFFIC CONTROL DETAILS FOR FREEWAY SINGLE &amp; MULTI-LANE WEAVE</b>		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ca:\pwwork\pwwork\gorengautab\d0388740\136114-sht-plan.dgn	DRAWN -	REVISED - SPB 01-07	94				2014-0411	COOK	34	31	
PLOT SCALE = 100.0000' / 1"	CHECKED -	REVISED - SPB 12-09	TC-09				CONTRACT NO. 60Y35				
PLOT DATE = 5/2/2014	DATE - 02-07	REVISED - MD 06-13	SCALE: NONE				SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		



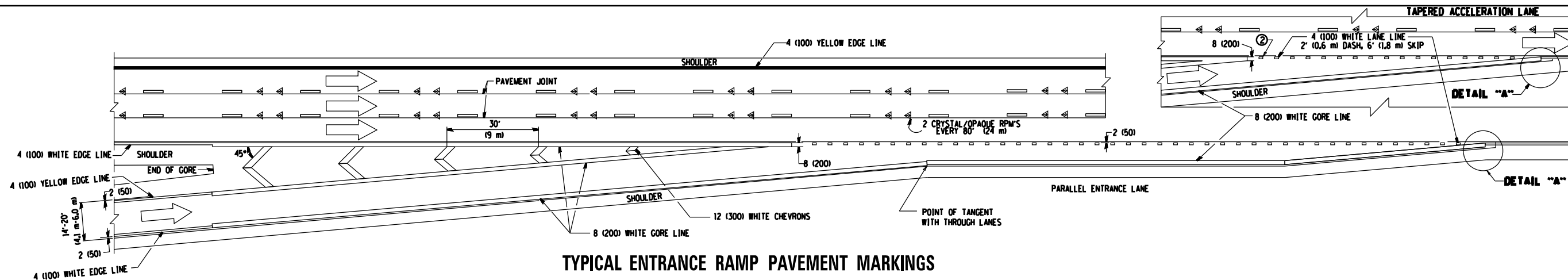
TYPICAL EDGE LINES & LANE LINES

**PAVEMENT MARKING MATERIALS**

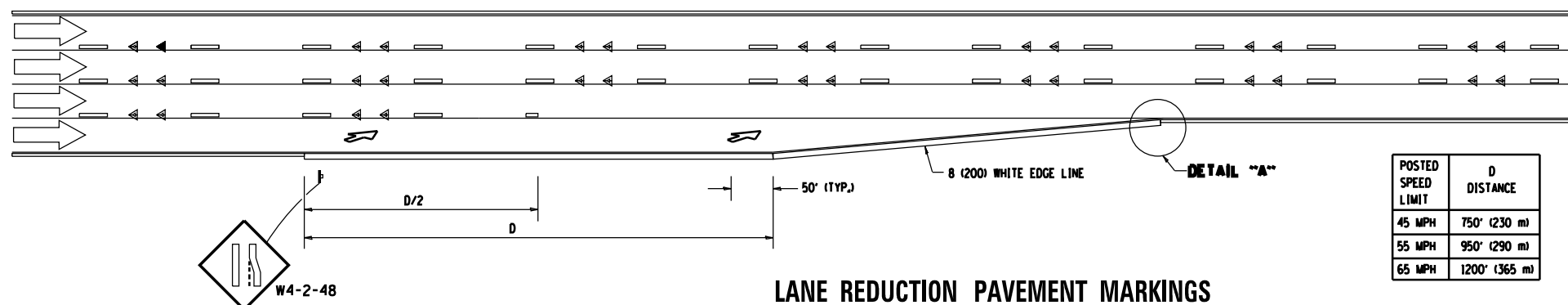
1. THERMO PLASTIC PAVEMENT MARKING LINE SHALL BE USED FOR THE EDGE LINES, GORE LINES, AND DIAGONAL LINES ON BITUMINOUS PAVEMENT ONLY.
2. PREFORMED PLASTIC TYPE B PAVEMENT MARKING LINE, INLAID OR GROOVED IN SHALL BE USED FOR ALL LANE LINES ON HMA PAVEMENT PROJECTS.
3. POLYUREA PAVEMENT MARKING SHALL BE USED FOR ALL MARKINGS ON PCC PROJECTS.



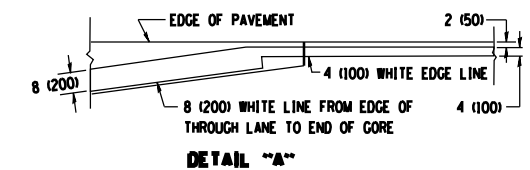
TYPICAL EXIT RAMP PAVEMENT MARKINGS



TYPICAL ENTRANCE RAMP PAVEMENT MARKINGS



LANE REDUCTION PAVEMENT MARKINGS

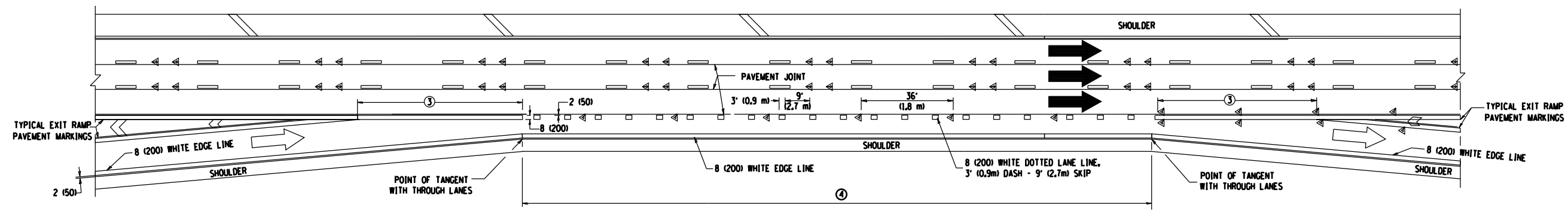


**NOTES:**

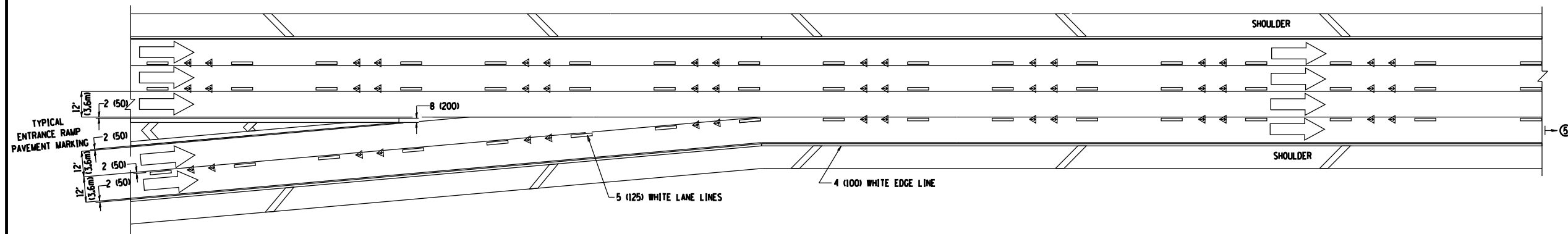
- ① THE DIAGONAL LINES SHALL BE SPACED AT 40' (12 m) C-C ACROSS ALL STRUCTURES WHICH ARE 500' (150 m) OR LESS IN LENGTH, THE DIAGONAL LINES ARE NOT REQUIRED ON SHOULDERS WHICH ARE 6' (1.8 m) OR LESS IN WIDTH.
- ② 4" (2' (0.6 m) DASH, 6' (1.8 m) SKIP) MARKING ON TAPERED ENTRANCE AND EXIT RAMP SHALL BE OMITTED ON TANGENT SECTIONS.

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

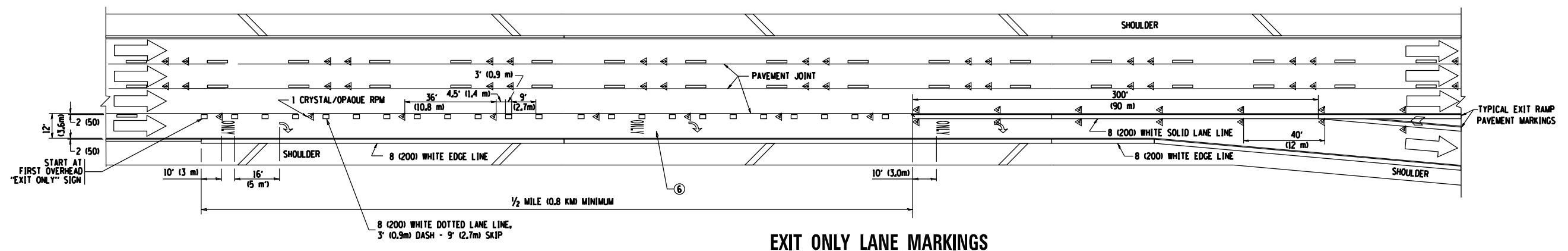




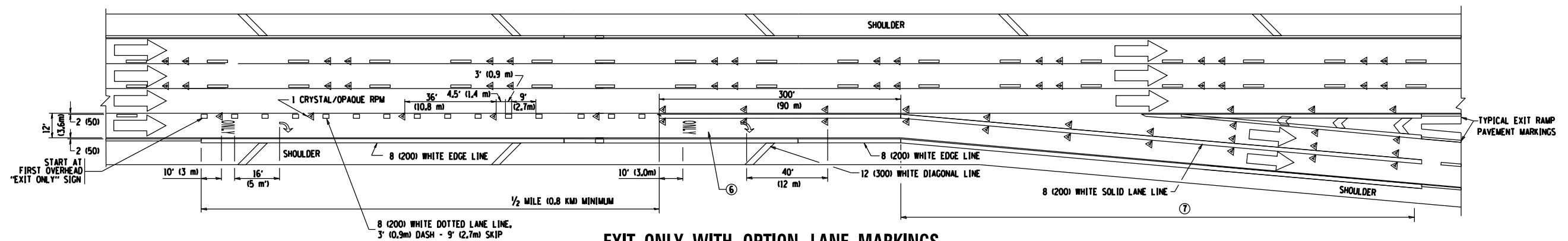
**AUXILIARY LANE MARKINGS**



**TWO LANE ENTRANCE RAMP WITH MERGE MARKINGS**



**EXIT ONLY LANE MARKINGS**

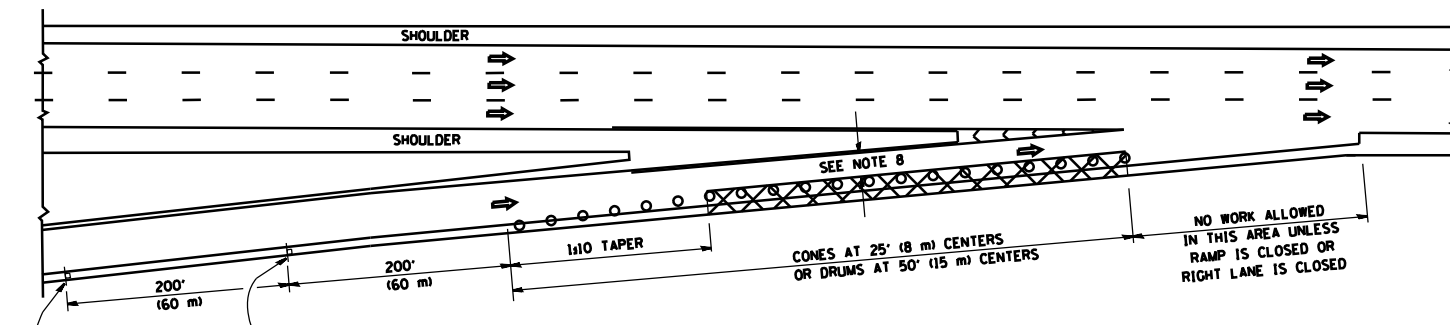


**EXIT ONLY WITH OPTION LANE MARKINGS**

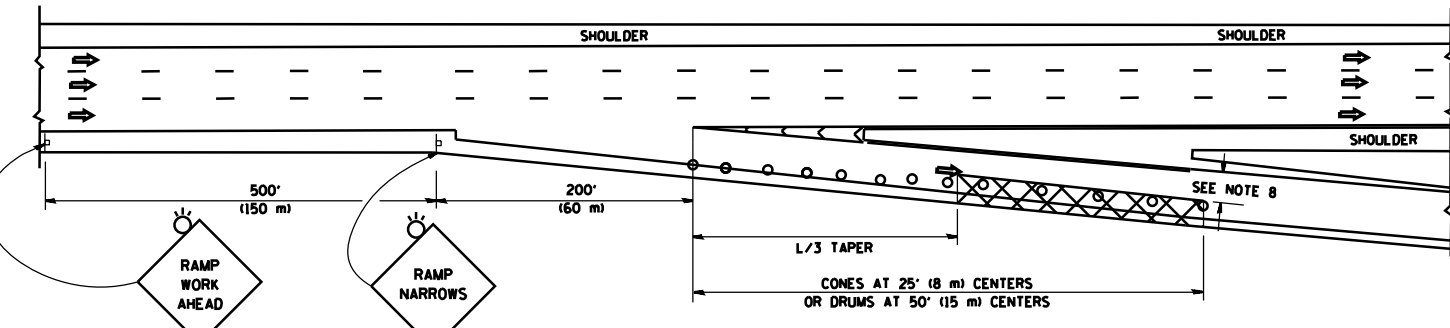
- NOTES**
- ③ OMIT WHEN LENGTH OF AUXILIARY LANE IS LESS THAN 500' (150 m).
  - ④ 8-INCH WIDE DOTTED LANE LINE MARKINGS SHALL BE USED WHEN THE LENGTH OF THE AUXILIARY LANE IS 2 MILES OR LESS.
  - ⑤ FOR TWO-LANE ENTRANCE RAMP, IF RIGHT LANE ENDS, USE TYPICAL ENTRANCE RAMP PAVEMENT MARKINGS.
  - ⑥ ONLY AND ARROWS EQUALLY SPACED, 500' (150 m) MAXIMUM SPACING. FULL SIZE LETTERS AND ARROW SHALL BE USED.
  - ⑦ CONTINUE 8" SOLID LANE LINE THROUGH EXIT TO END OF PAVED GORE.

FILE NAME =	USER NAME = Gorengautab	DESIGNED - D.W.S.	REVISED - D.W.S. 07-96	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS</b>		F.A.I. RTE. 94	SECTION 2014-0411	COUNTY COOK	TOTAL SHEETS 34	SHEET NO. 33	
et:\pwwork\pwwork\gorengautab\d0388740\0136114-sht-plan.dgn	PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED - J.A.F. 02-06		SCALE: NONE	SHEET NO. 2 OF 2 SHEETS	STA.	TO STA.	TC-12	CONTRACT NO. 60Y35		
	PLOT DATE = 5/2/2014	CHECKED -	REVISED - S.P.B. 01-07		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							
		DATE - 01-90	REVISED - S.P.B. 01-10									

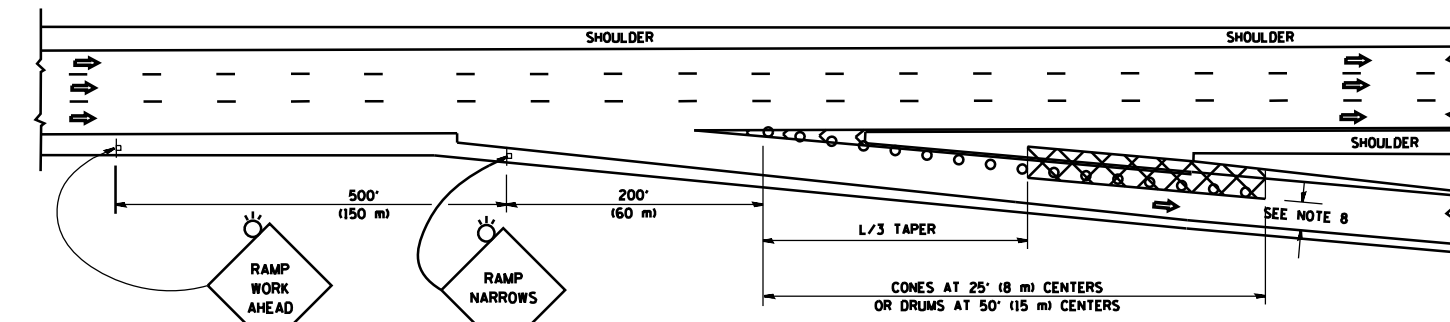
**PARTIAL RAMP CLOSURE DETAILS**



**TYPICAL ENTRANCE RAMP**



**TYPICAL EXIT RAMP**



**TYPICAL EXIT RAMP**

**SYMBOLS**

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

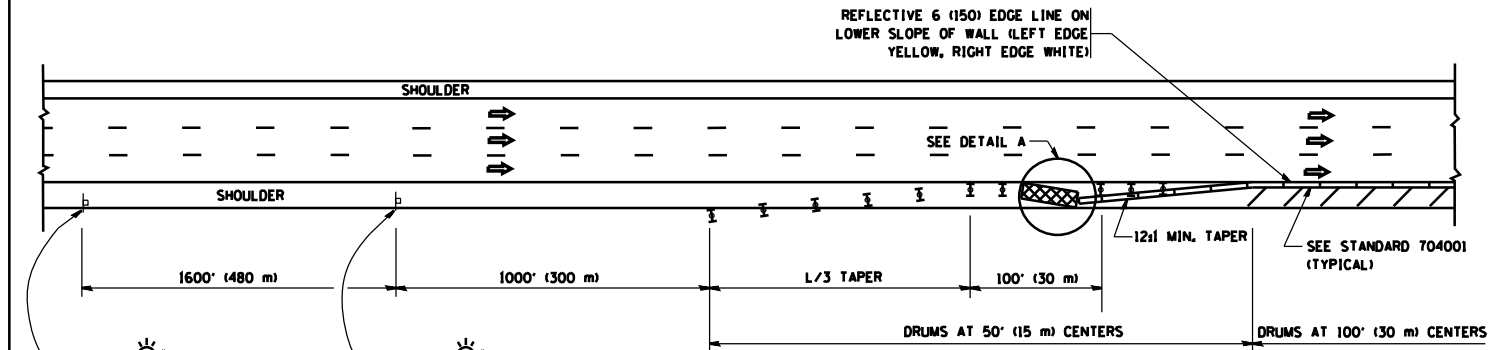
**GENERAL NOTES**

1. THE "L" DISTANCE EQUALS:
 

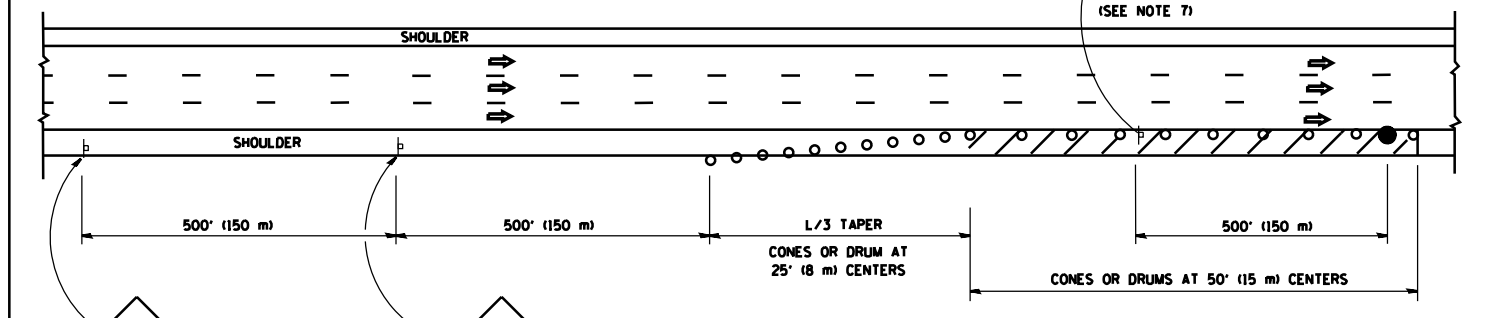
SPEED LIMIT	FORMULAS
45 mph (80 km/h) OR GREATER:	METRIC    ENGLISH
	$L = 0.65(WNS)$ $L = (WNS)$

W = WIDTH OF OFFSET IN FEET (METERS)  
S = NORMAL POSTED SPEED MPH (KM/H)
2. PLASTIC DRUMS WITH HIGH PERFORMANCE REFLECTIVE SHEETING AND STEADY BURNING LIGHTS ARE REQUIRED FOR ALL NIGHTTIME CLOSURES.
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 ACTIVITY REQUIRES FREQUENT ENCROACHMENT INTO THE LANE OPEN TO TRAFFIC.
 THE FLAGGER SHALL BE STATIONED APPROXIMATELY 100' (30 m) TO 200' (60 m) IN ADVANCE OF THE WORKERS.
8. 12' MIN. WIDTH TANGENT SECTION  
16' MIN. WIDTH CURVE SECTION.

**SHOULDER CLOSURE DETAILS**

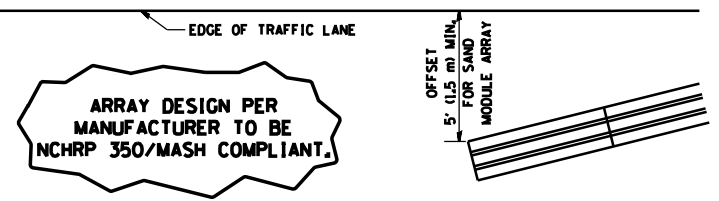


**PERMANENT SHOULDER CLOSURE**



**DAYTIME SHOULDER CLOSURE**

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



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

FILE NAME =	USER NAME = Gorengautab	DESIGNED -	REVISED - J.A.F. 12-06	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pwork\pwork\gorengautab\d0388740\136114-sht-plan.dgn	D136114-sht-plan.dgn	DRAWN - D.W.S.	REVISED - S.P.B. 01-07		94	2014-0411	COOK	34	34			
PLOT SCALE = 100.0000' / 1in.		CHECKED -	REVISED - S.P.B. 12-09		TC-17				CONTRACT NO. 60Y35			
PLOT DATE = 5/2/2014		DATE - 11-96	REVISED - M.D. 06-13		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							