

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2014-057-1	COOK	30	1
ILLINOIS			CONTRACT NO. 60Y80	

PROPOSED HIGHWAY PLANS

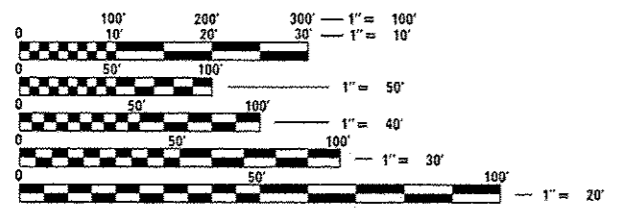
FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROJECT IS LOCATED IN:
CITY OF COUNTRY CLUB HILLS
AND VILLAGE OF MATTESON

FAI ROUTE 57: INTERSTATE 57
FROM I-80 TO U.S. ROUTE 30
SECTION: 2014-057-1
PROJECT: ACHSIP-0057(320)
MILLED RUMBLE STRIP, MISCELLANEOUS
COOK COUNTY

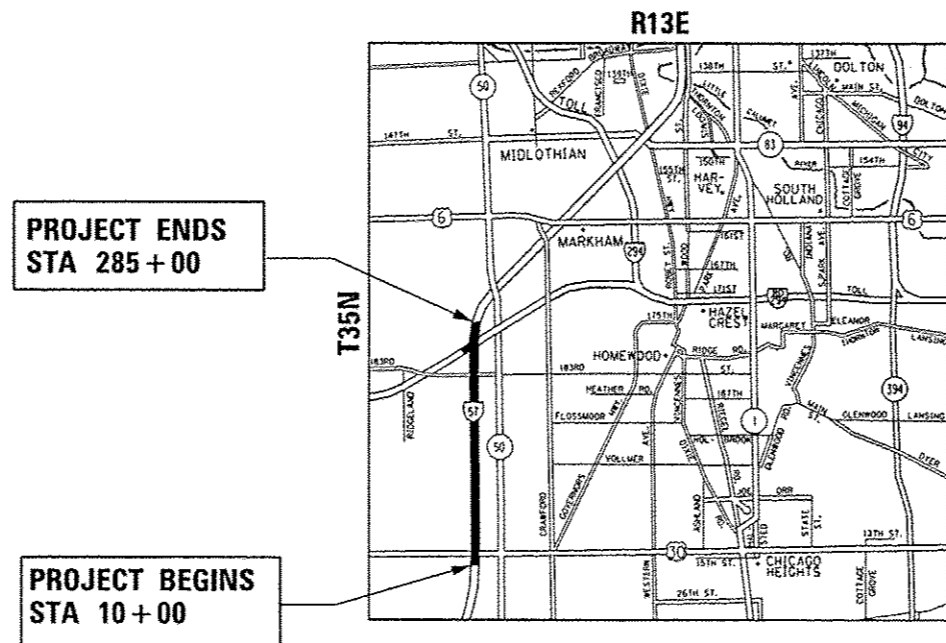
FINAL PLANS

C-91-024-15



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



TRAFFIC DATA
2012 ADT - 90,500
SPEED LIMIT - 55 MPH

RICH TOWNSHIP

GROSS & NET LENGTH = 27,500 FT. = 5.21 MILE

PROJECT ENGINEER: DANIEL WILGREEN (847) 705-4240
PROJECT MANAGER: KEN ENG

CONTRACT NO. 60Y80

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED *March 24, 2015*

John Furlman
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

May 8, 2015
Dan D. Baranzelli, P.E.
ENGINEER OF DESIGN AND ENVIRONMENT

May 8, 2015
Chris Osman, P.E.
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS**

INDEX OF SHEETS

STANDARDS

GENERAL NOTES

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631031-13	TRAFFIC BARRIER TERMINAL, TYPE 6
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635006-03	REFLECTOR AND TERMINAL MARKER PLACEMENT
635011-02	REFLECTOR MARKER AND MOUNTING DETAILS
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701326-04	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING FOR SPEEDS > 45 MPH
701400-08	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
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701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS > 45 MPH
701426-07	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS, FOR SPEEDS > 45 MPH
701428	TRAFFIC CONTROL SETUP AND REMOVAL FREEWAY/EXPRESSWAY
701901-04	TRAFFIC CONTROL DEVICES
720006-04	SIGN PANEL ERECTION DETAILS
780001-05	TYPICAL PAVEMENT MARKINGS
781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 800-892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES. 48 HOURS NOTIFICATION IS REQUIRED.

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE CITY OF COUNTRY CLUB HILLS AND VILLAGE OF MATTESON.

THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.

THE REMOVAL OF GUARDRAIL TERMINAL SECTIONS SHALL BE INCLUDED IN THE UNIT PRICE PER FOOT FOR "GUARDRAIL REMOVAL."

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 TO THE DEPARTMENT.

ALL PERIMETER EROSION BARRIER, EROSION CONTROL BLANKET, AND SEEDING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.

THE RESIDENT ENGINEER SHALL CONTACT THE EXPRESSWAY FIELD ENGINEER AT (847) 705-4153 A MINIMUM OF TWO (2) WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS.

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 CONTRACTOR SHALL BE RESPONSIBLE FOR THE NOTIFICATION OF ALL EMERGENCY SERVICES, SCHOOL DISTRICTS, I.D.O.T.'S COMMUNICATIONS CENTER, SPRINGFIELD TRUCK PERMIT SECTION AND OTHER AGENCIES AFFECTED BY THE CLOSURE. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR POSTING SIGNS THAT WILL INDICATE THE DATES THE CLOSURE WILL BE IN PLACE.

DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.

THE CONTRACTOR SHALL VERIFY THE EXISTING TYPE/HEIGHT OF EXISTING GUARDRAIL BEFORE ORDERING THE NEW TERMINAL SECTION. COST INCLUDED WITH THE COST OF THE TERMINAL. THE TERMINAL SECTION SHALL MATCH THE HEIGHT OF THE EXISTING GUARDRAIL.

BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) ACCORDING TO THE "BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.

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PLOT SCALE: 100.0000 / 1"	CHECKED: -	REVISED: -	57			2014-057-1	COOK	30	2		
PLOT DATE: 3/30/2015	DATE: -	REVISED: -	SCALE: SHEET OF SHEETS STA. TO STA.			CONTRACT NO. 60Y80					
						ILLINOIS FED. AID PROJECT					

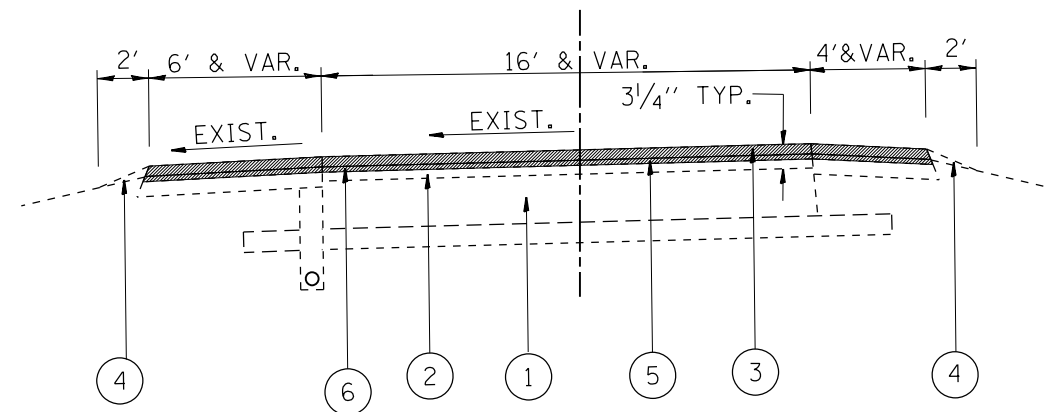
SUMMARY OF QUANTITIES			URBAN CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	90% FED. 10% STATE			
				0021			
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	3200	3200			
25000210	SEEDING, CLASS 2A	ACRE	0.7	0.7			
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	60	60			
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	60	60			
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	60	60			
25100630	EROSION CONTROL BLANKET	SQ YD	3200	3200			
28000400	PERIMETER EROSION BARRIER	FOOT	5760	5760			
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	510	510			
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGWAYS	TON	2	2			
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTTJOINT	SQ YD	27	27			
40603595	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90	TON	124	124			
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	1105	1105			
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	153	153			
63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	4522	4522			

SUMMARY OF QUANTITIES			URBAN CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	90% FED. 10% STATE			
				0021			
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	13	13			
63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	14	14			
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	19	19			
63200310	GUARDRAIL REMOVAL	FOOT	836	836			
63500105	DELINEATORS	EACH	447	447			
63500310	REMOVE AND REINSTALL DELINEATORS	EACH	150	150			
64200116	SHOULDER RUMBLE STRIPS, 16 INCH	FOOT	18642	18642			
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6			
67100100	MOBILIZATION	L SUM	1	1			
70300100	SHORT TERM PAVEMENT MARKING	FOOT	1025	1025			
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	342	342			
* 72000200	SIGN PANEL - TYPE 2	SQ FT	32	32			
* 72000300	SIGN PANEL - TYPE 3	SQ FT	66	66			
* 73000100	WOOD SIGN SUPPORT	FOOT	16	16			
14	* SPECIALTY ITEM						

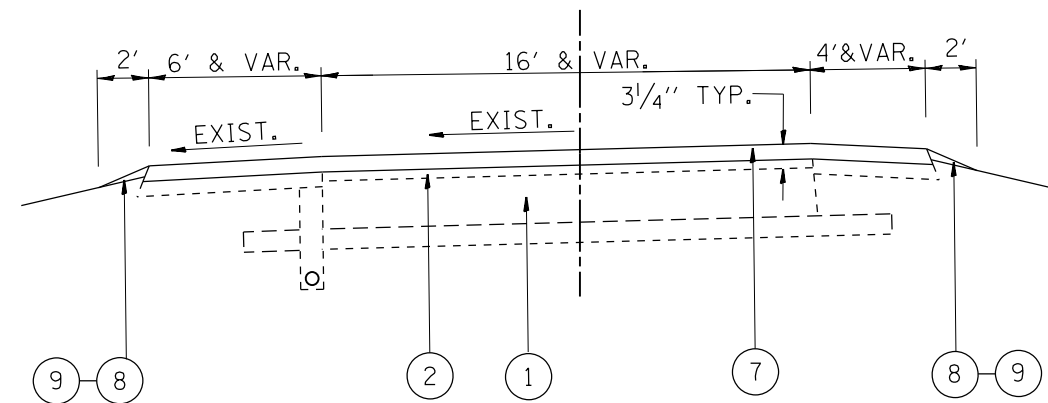
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PLOT SCALE : 1/16" = 100'-0"	CHECKED -	REVISED -	REVISED -		SCALE:	SHEET NO. 1 OF 2 SHEETS	STA.	TO STA.	CONTRACT NO. 60Y80		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	
PLOT DATE : 3/30/2015	DATE -	REVISED -	REVISED -									

URBAN

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE					SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE							
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	90% FED. 10% STATE						CODE NO	ITEM	UNIT	TOTAL QUANTITIES							
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	1836	1836																
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	584	584																
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	2630	2630																
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	135	135																
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	22	22																
* 78200410	GUARDRAIL MARKERS, TYPE A	EACH	91	91																
* 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	19	19																
78300100	PAVEMENT MARKING REMOVAL	SQ FT	54	54																
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	16	16																
X0321750	REMOVE TEMPORARY CONCRETE BARRIER, STATE OWNED	FOOT	2445	2445																
X2020110	GRADING AND SHAPING SHOULDERS	UNIT	61	61																
X7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	L SUM	1	1																
Z0030850	TEMPORARY INFORMATION SIGNING * SPECIALTY ITEM	SQ FT	40	40																



EXISTING TYPICAL SECTION FOR RAMP AT EB VOLLMER RD
STA 111+70 TO 115+30



PROPOSED TYPICAL SECTION FOR RAMP AT EB VOLLMER RD
STA 111+70 TO 115+30

LEGEND

- ① EXISTING STABILIZED SUB-BASE, 4"
- ② EXISTING HOT-MIX ASPHALT SURFACE (AFTER MILLING), 1 1/4" (±)
- ③ EXISTING HOT-MIX ASPHALT SURFACE COURSE, MIX. "D", N70, 1 1/2 " (±)
- ④ EXISTING AGGREGATE WEDGE SHOULDER, TYPE "B"
- ⑤ EXISTING POLYMERIZED LEVELING BINDER, IL-4.75, N50, 3/4" (±)
- ⑥ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- ⑦ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX. "F", N90, 2"
- ⑧ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE "B"
- ⑨ PROPOSED GRADING AND SHAPING SHOULDER

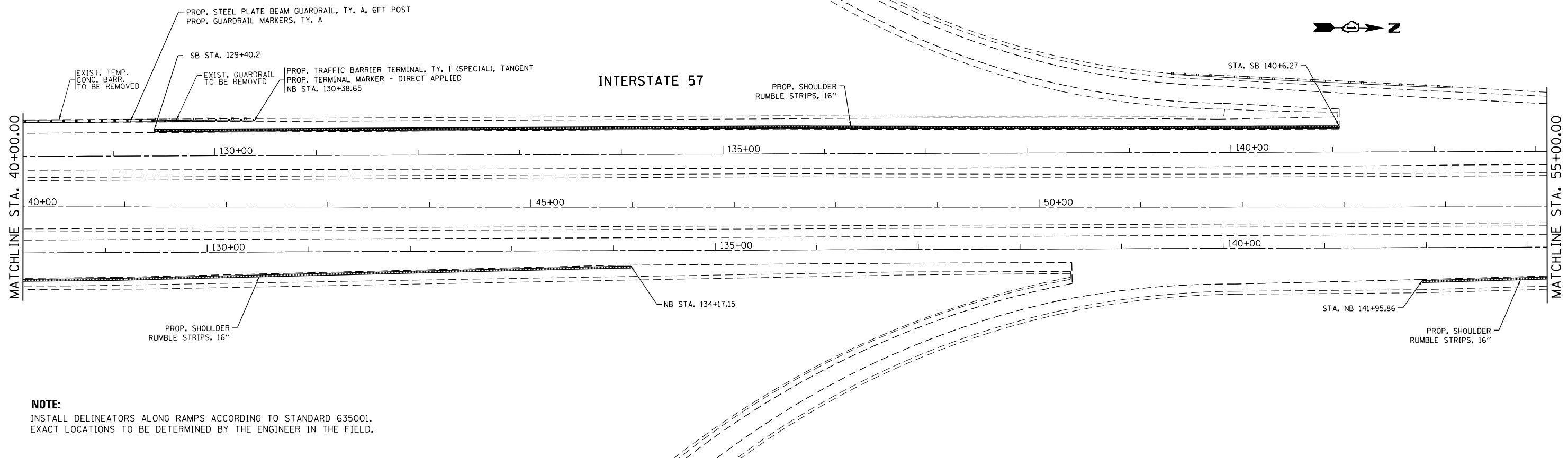
HOT-MIX ASPHALT MIXTURE REQUIREMENTS		
MIXTURE TYPE	AIR VOIDS(%) @ Ndes	QUALITY MANAGEMENT PROGRAM (QMP)
RAMP RESURFACING		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL 9.5 mm)	4% @ 90 GYR.	QC/QA
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA); QUALITY CONTROL FOR PERFORMANCE (QCP)		

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

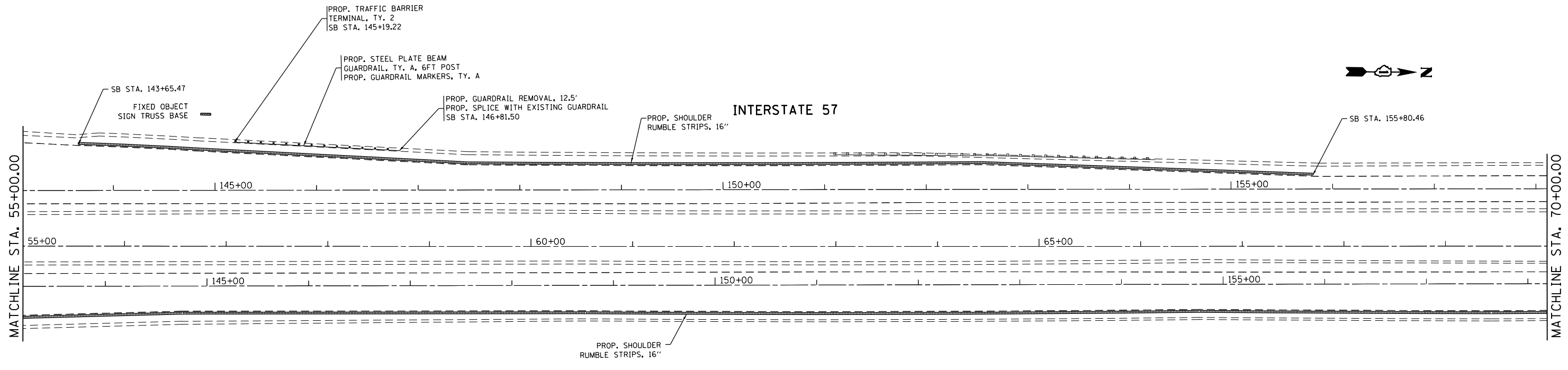
NOTE 2: THE AC TYPE FOR POLYMERIZED HMA MIXTURES SHALL BE "SBS/SBR PG 70 -22", FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64 -22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.

NOTE 3: FOR USE OF RECYCLED MATERIALS SEE DISTRICT ONE SPECIAL PROVISIONS.

NOTE 4: QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE.



NOTE:
 INSTALL DELINEATORS ALONG RAMPS ACCORDING TO STANDARD 635001.
 EXACT LOCATIONS TO BE DETERMINED BY THE ENGINEER IN THE FIELD.



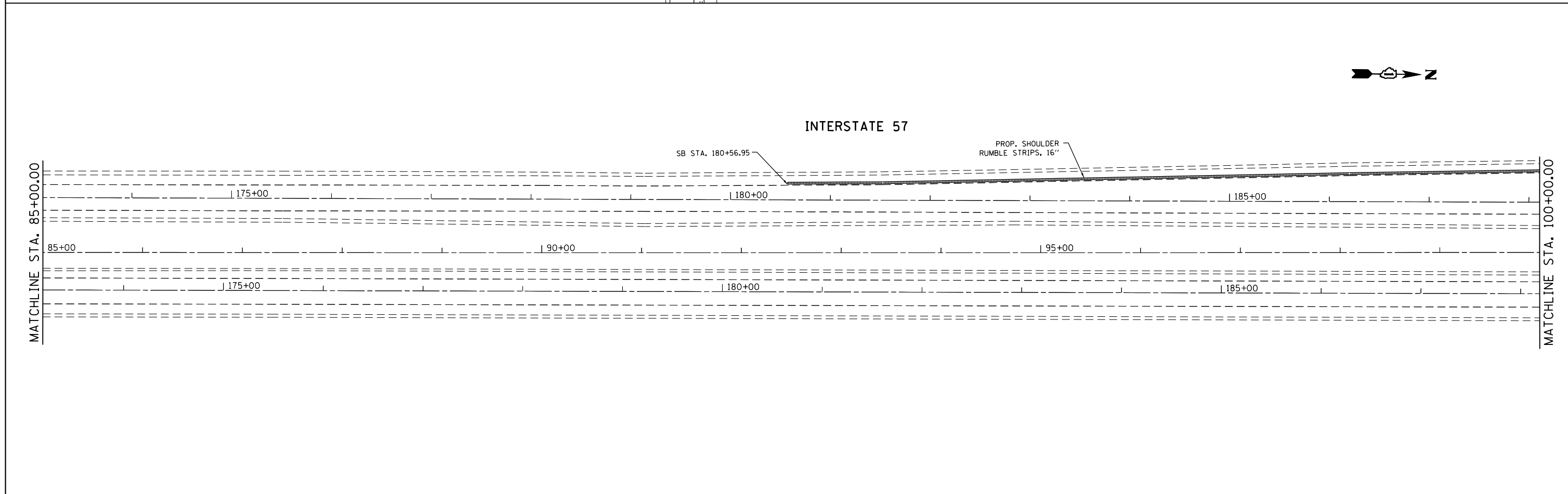
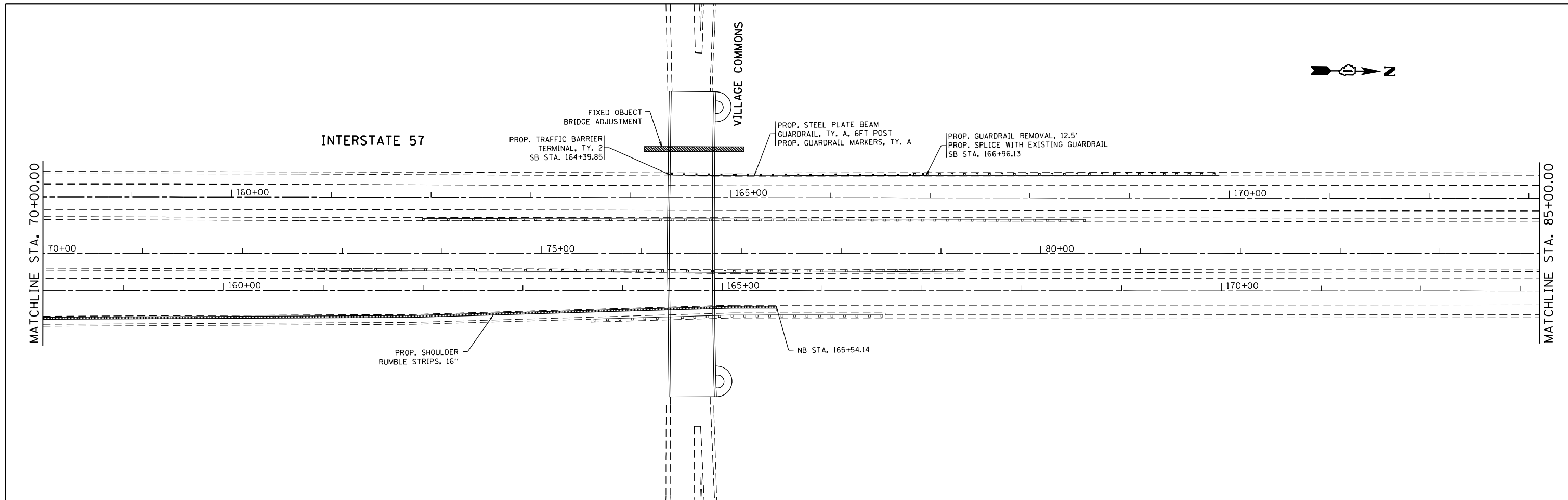
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**EXISTING AND PROPOSED ROADWAY PLAN
 INTERSTATE 57 FROM INTERSTATE 80 TO U.S. ROUTE 30**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2014-057-I	COOK	30	7
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60Y80	



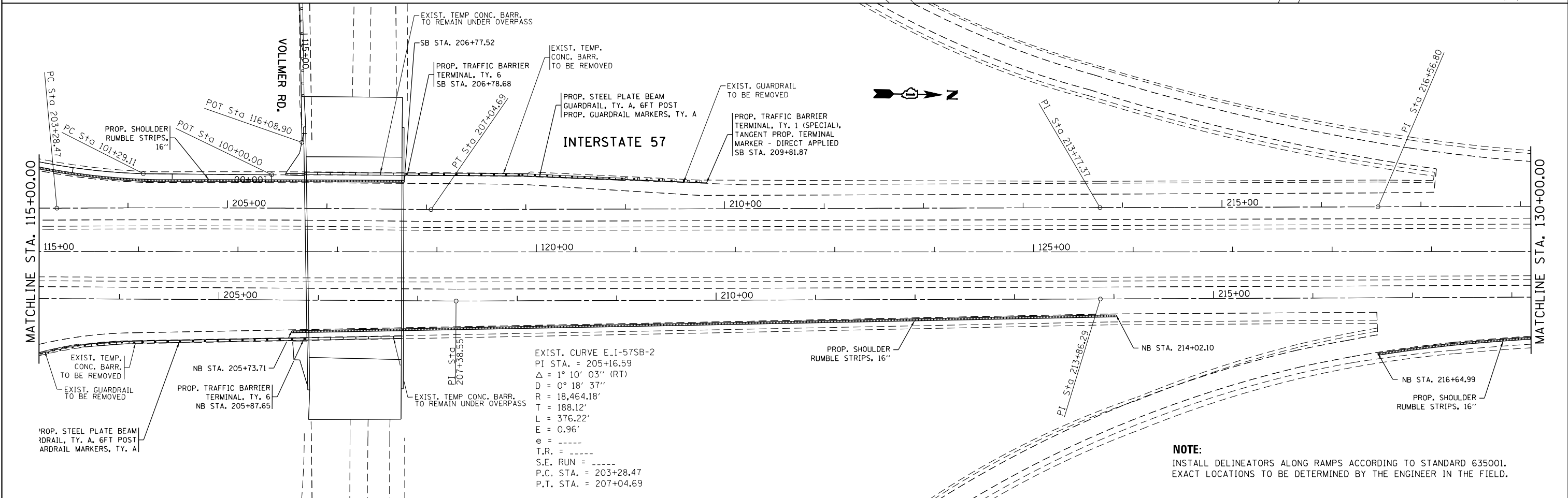
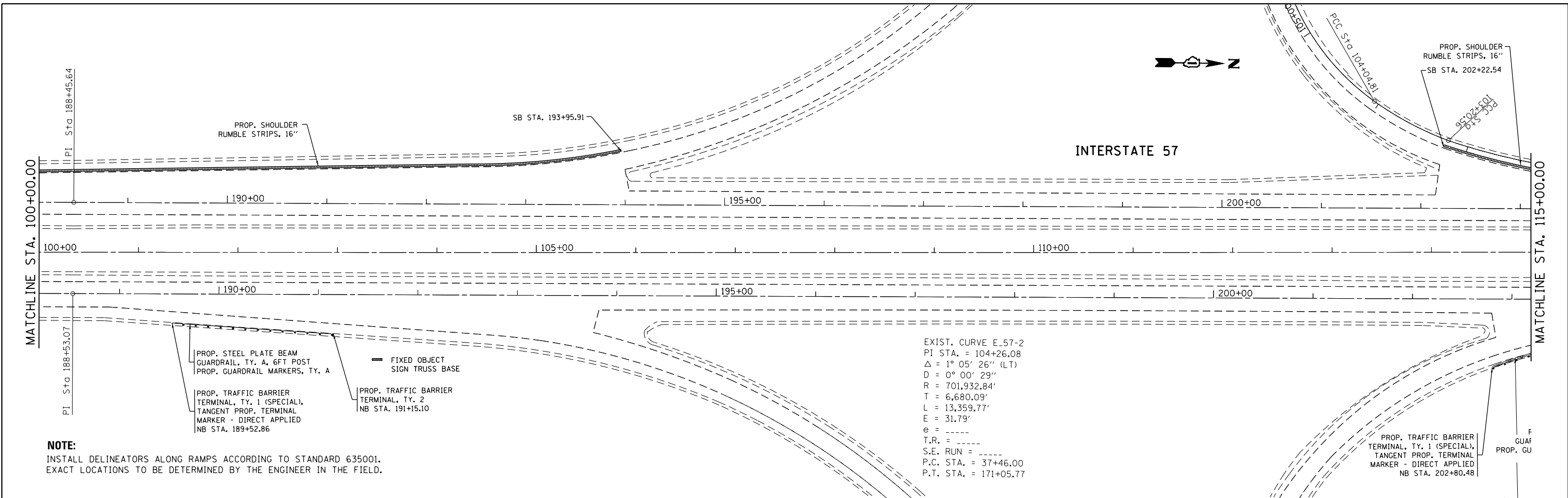
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

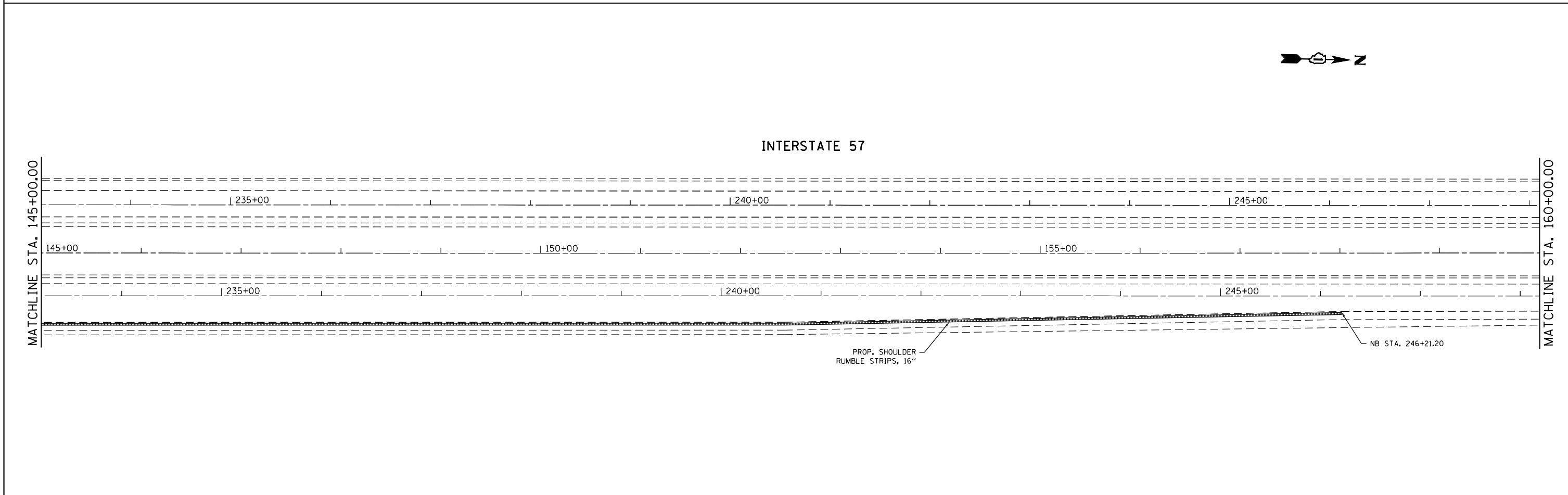
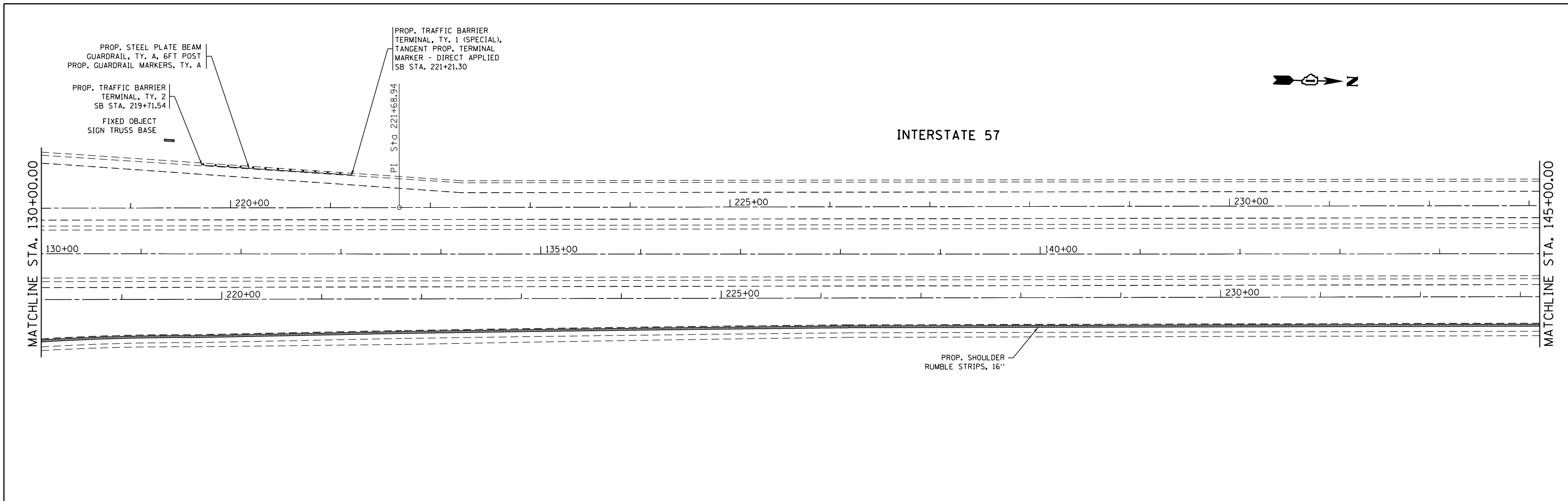
**EXISTING AND PROPOSED ROADWAY PLAN
INTERSTATE 57 FROM INTERSTATE 80 TO U.S. ROUTE 30**

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

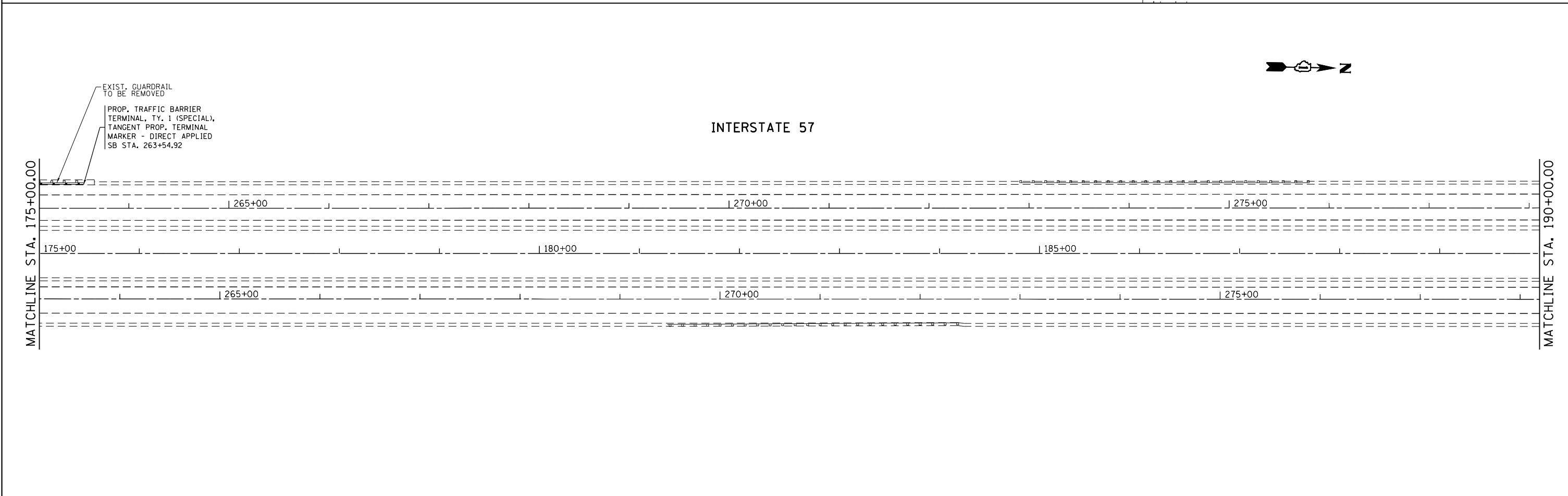
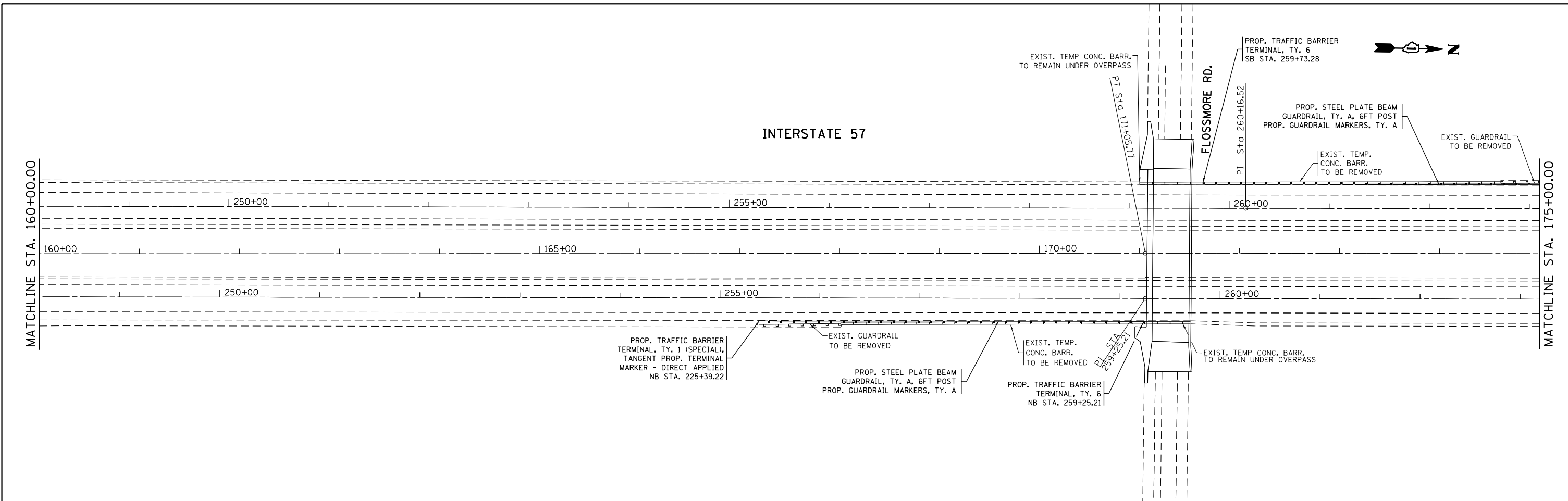
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57	2014-057-I	COOK	30	8
				CONTRACT NO. 60Y80
ILLINOIS FED. AID PROJECT				



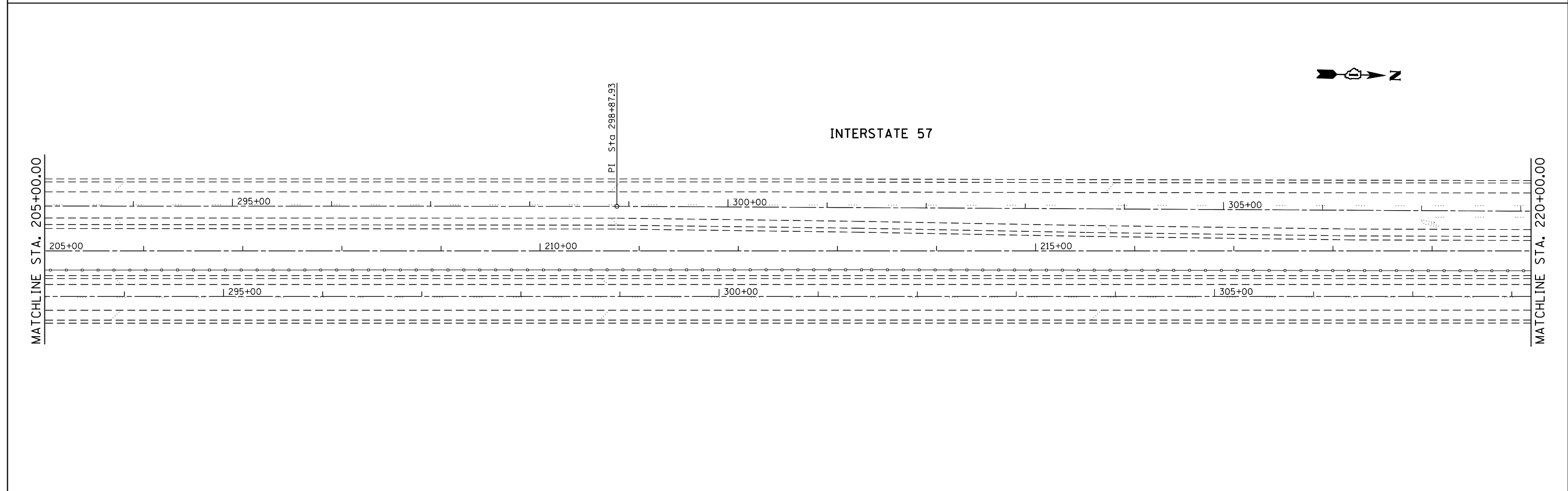
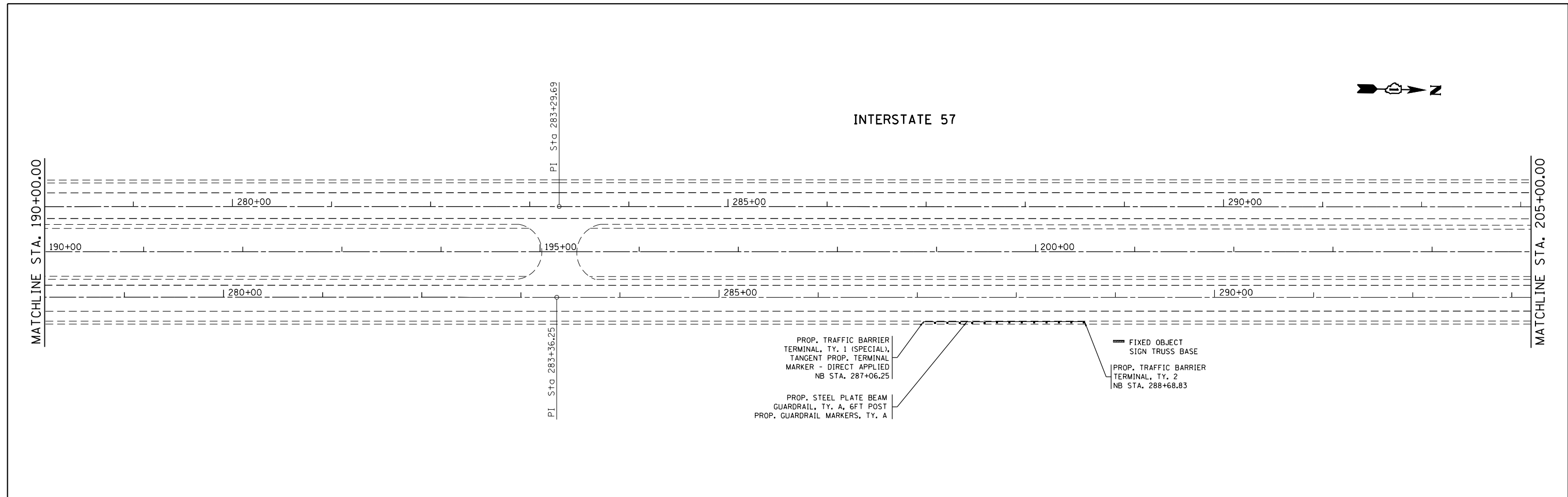
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	PLOT DATE = 3/30/2015	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					



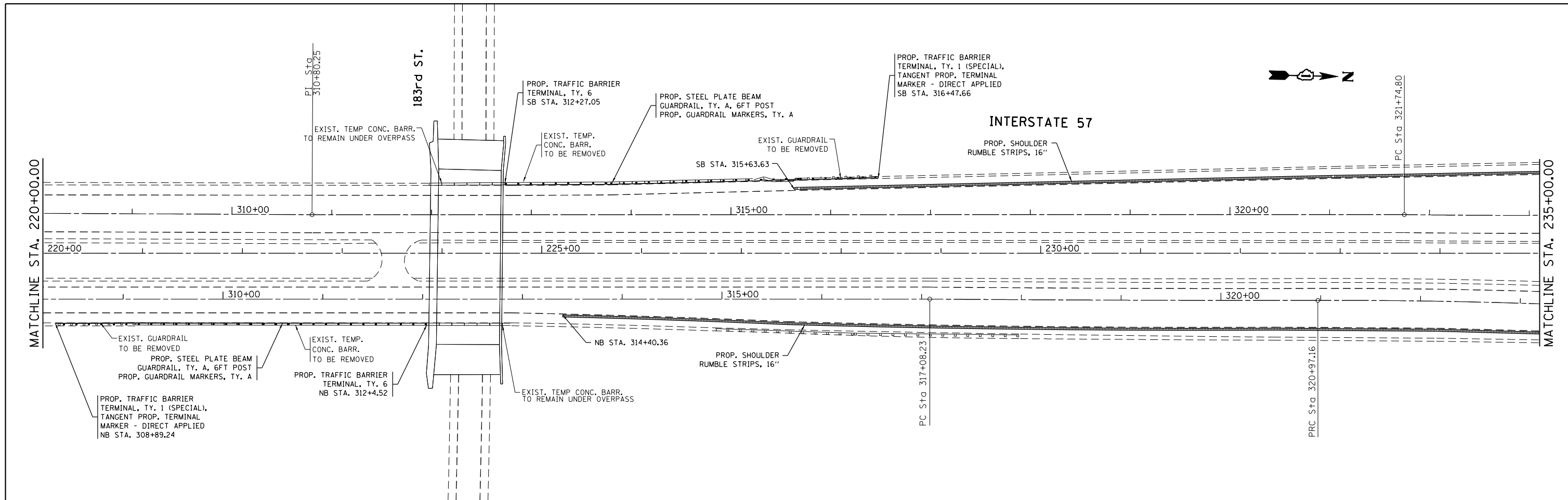
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	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		SCALE: 1" = 50'	SHEET	OF	SHEETS	STA.	TO	STA.	ILLINOIS FED. AID PROJECT
Default	PLOT DATE = 3/30/2015	DATE -	REVISED -									
CONTRACT NO. 60Y80												



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Default	PLOT DATE = 3/30/2015	DATE -	REVISED -		SCALE: 1" = 50'	SHEET OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT CONTRACT NO. 60Y80				



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Default	PLOT DATE = 3/30/2015	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							



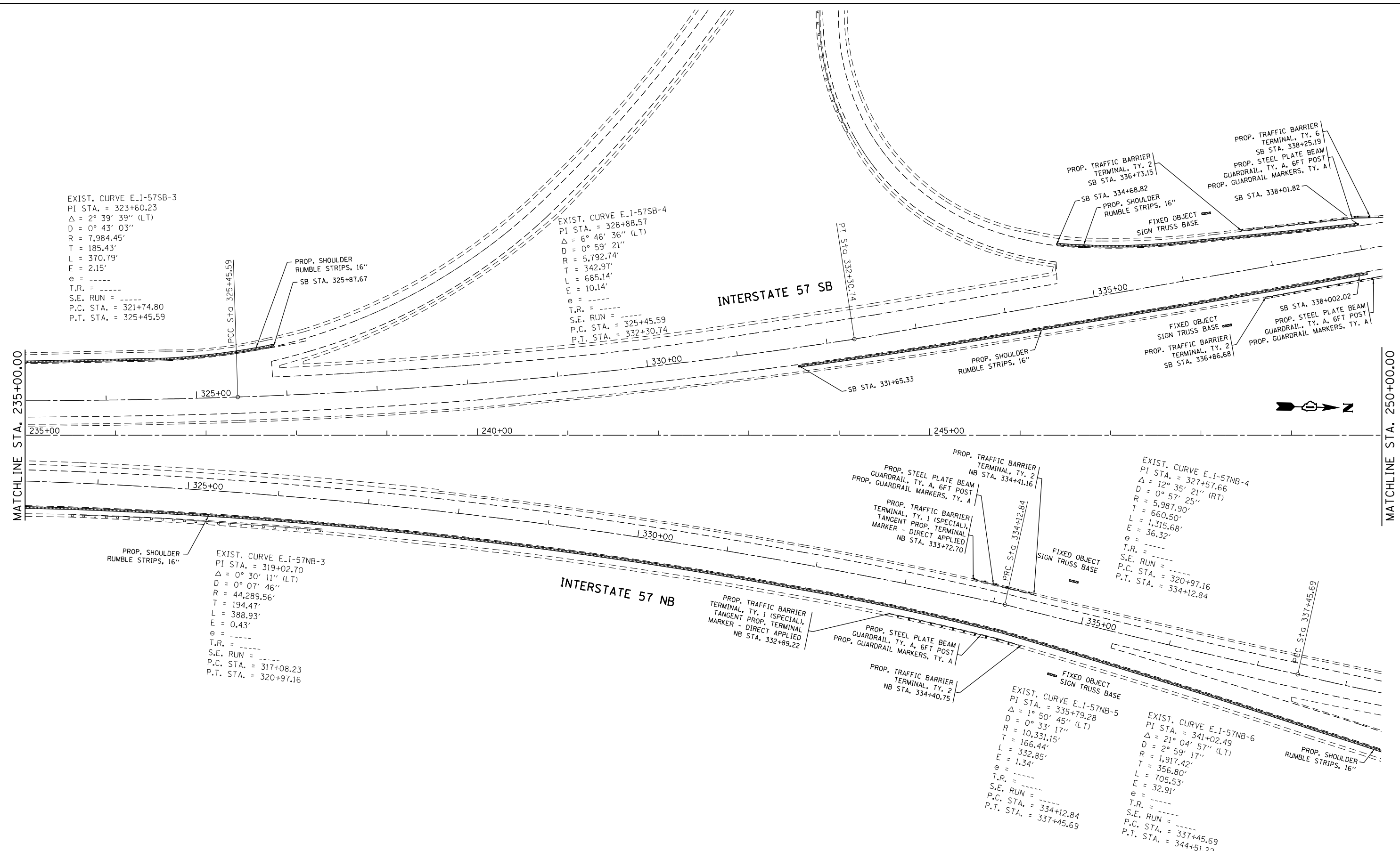
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Default	PLOT DATE = 3/30/2015	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING AND PROPOSED ROADWAY PLAN
INTERSTATE 57 FROM INTERSTATE 80 TO U.S. ROUTE 30**

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2014-057-I	COOK	30	13
CONTRACT NO. 60Y80			ILLINOIS FED. AID PROJECT	

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



EXIST. CURVE E-I-57SB-3
 PI STA. = 323+60.23
 $\Delta = 2^\circ 39' 39''$ (LT)
 $D = 0^\circ 43' 03''$
 $R = 7,984.45'$
 $T = 185.43'$
 $L = 370.79'$
 $E = 2.15'$
 $e = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. RUN = \text{-----}$
 $P.C. STA. = 321+74.80$
 $P.T. STA. = 325+45.59$

EXIST. CURVE E-I-57SB-4
 PI STA. = 328+88.57
 $\Delta = 6^\circ 46' 36''$ (LT)
 $D = 0^\circ 59' 21''$
 $R = 5,792.74'$
 $T = 342.97'$
 $L = 685.14'$
 $E = 10.14'$
 $e = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. RUN = \text{-----}$
 $P.C. STA. = 325+45.59$
 $P.T. STA. = 332+30.74$

EXIST. CURVE E-I-57NB-3
 PI STA. = 319+02.70
 $\Delta = 0^\circ 30' 11''$ (LT)
 $D = 0^\circ 07' 46''$
 $R = 44,289.56'$
 $T = 194.47'$
 $L = 388.93'$
 $E = 0.43'$
 $e = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. RUN = \text{-----}$
 $P.C. STA. = 317+08.23$
 $P.T. STA. = 320+97.16$

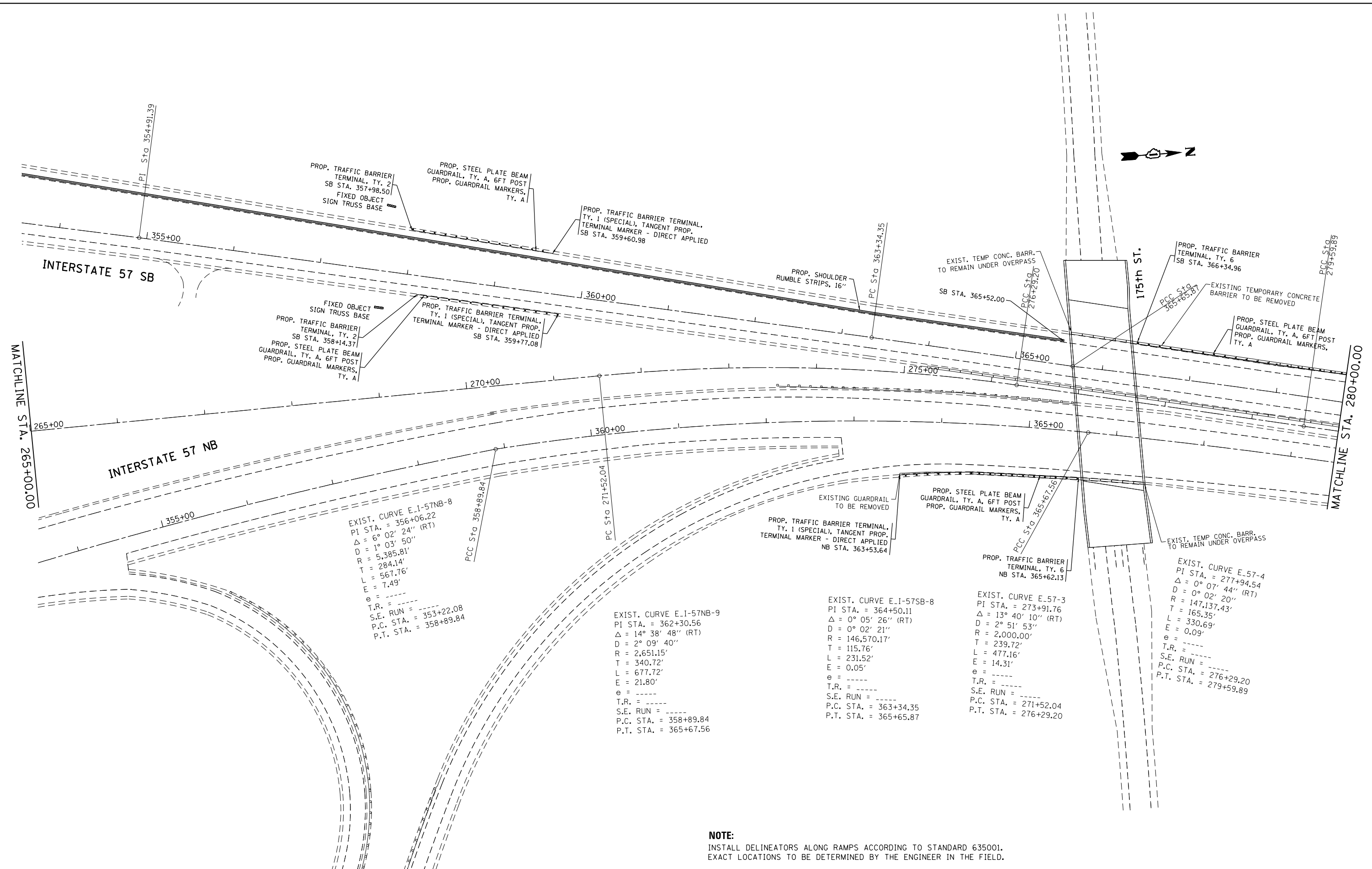
EXIST. CURVE E-I-57NB-4
 PI STA. = 327+57.66
 $\Delta = 12^\circ 35' 21''$ (RT)
 $D = 0^\circ 57' 25''$
 $R = 5,987.90'$
 $T = 660.50'$
 $L = 1,315.68'$
 $E = 36.32'$
 $e = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. RUN = \text{-----}$
 $P.C. STA. = 320+97.16$
 $P.T. STA. = 334+12.84$

EXIST. CURVE E-I-57NB-5
 PI STA. = 335+79.28
 $\Delta = 1^\circ 50' 45''$ (LT)
 $D = 0^\circ 33' 17''$
 $R = 10,331.15'$
 $T = 166.44'$
 $L = 332.85'$
 $E = 1.34'$
 $e = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. RUN = \text{-----}$
 $P.C. STA. = 334+12.84$
 $P.T. STA. = 337+45.69$

EXIST. CURVE E-I-57NB-6
 PI STA. = 341+02.49
 $\Delta = 21^\circ 04' 57''$ (LT)
 $D = 2^\circ 59' 17''$
 $R = 1,917.42'$
 $T = 356.80'$
 $L = 705.53'$
 $E = 32.91'$
 $e = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. RUN = \text{-----}$
 $P.C. STA. = 337+45.69$
 $P.T. STA. = 344+51.22$

NOTE:
 INSTALL DELINEATORS ALONG RAMPS ACCORDING TO STANDARD 635001.
 EXACT LOCATIONS TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

FILE NAME =	USER NAME = Bilgramisa	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING AND PROPOSED ROADWAY PLAN INTERSTATE 57 FROM INTERSTATE 80 TO U.S. ROUTE 30	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	2415-sht-plen.dgn	DRAWN -	REVISED -			57	2014-057-I	COOK	30	14	
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 60Y80					
	PLOT DATE = 3/30/2015	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					



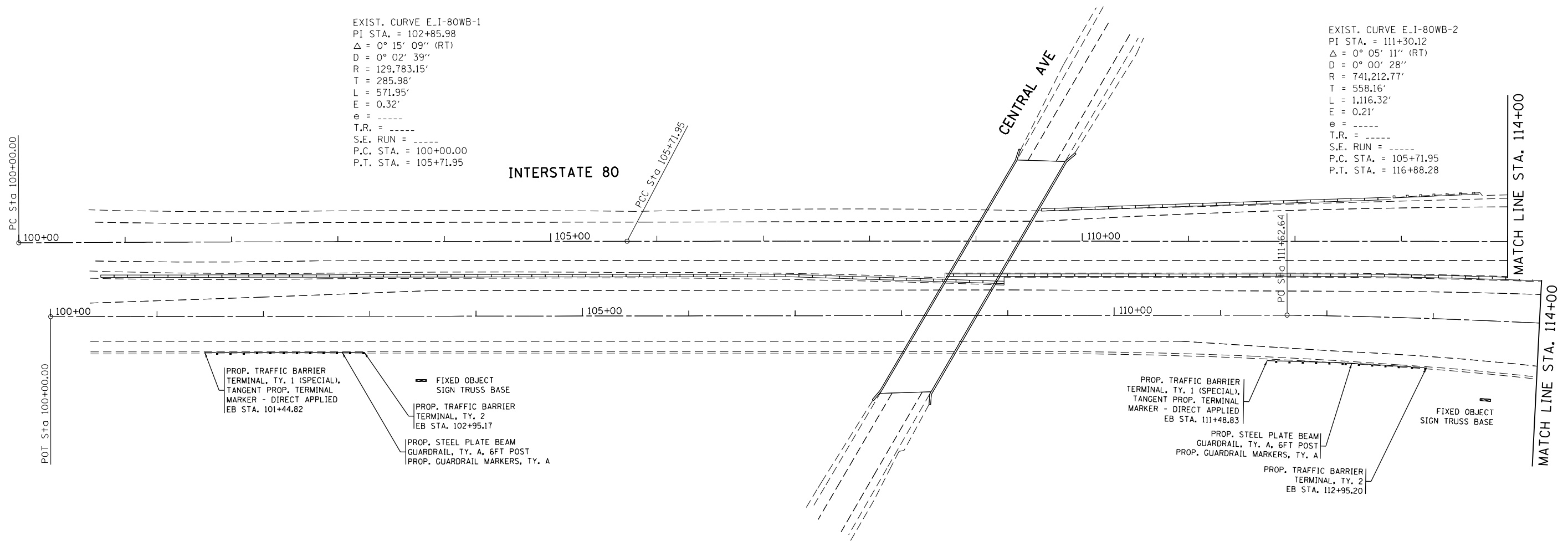
NOTE:
 INSTALL DELINEATORS ALONG RAMPS ACCORDING TO STANDARD 635001.
 EXACT LOCATIONS TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

FILE NAME =	USER NAME = Bilgrimesa	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING AND PROPOSED ROADWAY PLAN INTERSTATE 57 FROM INTERSTATE 80 TO U.S. ROUTE 30	F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	2415-sht-plen.dgn	DRAWN -	REVISED -			57	2014-057-I	COOK	30	16	
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 60Y80					
	PLOT DATE = 3/30/2015	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					



EXIST. CURVE E.I-80WB-1
 PI STA. = 102+85.98
 $\Delta = 0^\circ 15' 09''$ (RT)
 $D = 0^\circ 02' 39''$
 $R = 129,783.15'$
 $T = 285.98'$
 $L = 571.95'$
 $E = 0.32'$
 $e = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. \text{ RUN} = \text{-----}$
 P.C. STA. = 100+00.00
 P.T. STA. = 105+71.95

EXIST. CURVE E.I-80WB-2
 PI STA. = 111+30.12
 $\Delta = 0^\circ 05' 11''$ (RT)
 $D = 0^\circ 00' 28''$
 $R = 741,212.77'$
 $T = 558.16'$
 $L = 1,116.32'$
 $E = 0.21'$
 $e = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. \text{ RUN} = \text{-----}$
 P.C. STA. = 105+71.95
 P.T. STA. = 116+88.28



PROP. TRAFFIC BARRIER
 TERMINAL, TY. 1 (SPECIAL),
 TANGENT PROP. TERMINAL
 MARKER - DIRECT APPLIED
 EB STA. 101+44.82

FIXED OBJECT
 SIGN TRUSS BASE

PROP. TRAFFIC BARRIER
 TERMINAL, TY. 2
 EB STA. 102+95.17

PROP. STEEL PLATE BEAM
 GUARDRAIL, TY. A, 6FT POST
 PROP. GUARDRAIL MARKERS, TY. A

PROP. TRAFFIC BARRIER
 TERMINAL, TY. 1 (SPECIAL),
 TANGENT PROP. TERMINAL
 MARKER - DIRECT APPLIED
 EB STA. 111+48.83

PROP. STEEL PLATE BEAM
 GUARDRAIL, TY. A, 6FT POST
 PROP. GUARDRAIL MARKERS, TY. A

PROP. TRAFFIC BARRIER
 TERMINAL, TY. 2
 EB STA. 112+95.20

FIXED OBJECT
 SIGN TRUSS BASE

GUARDRAIL INSTALLATION ON EB I-80

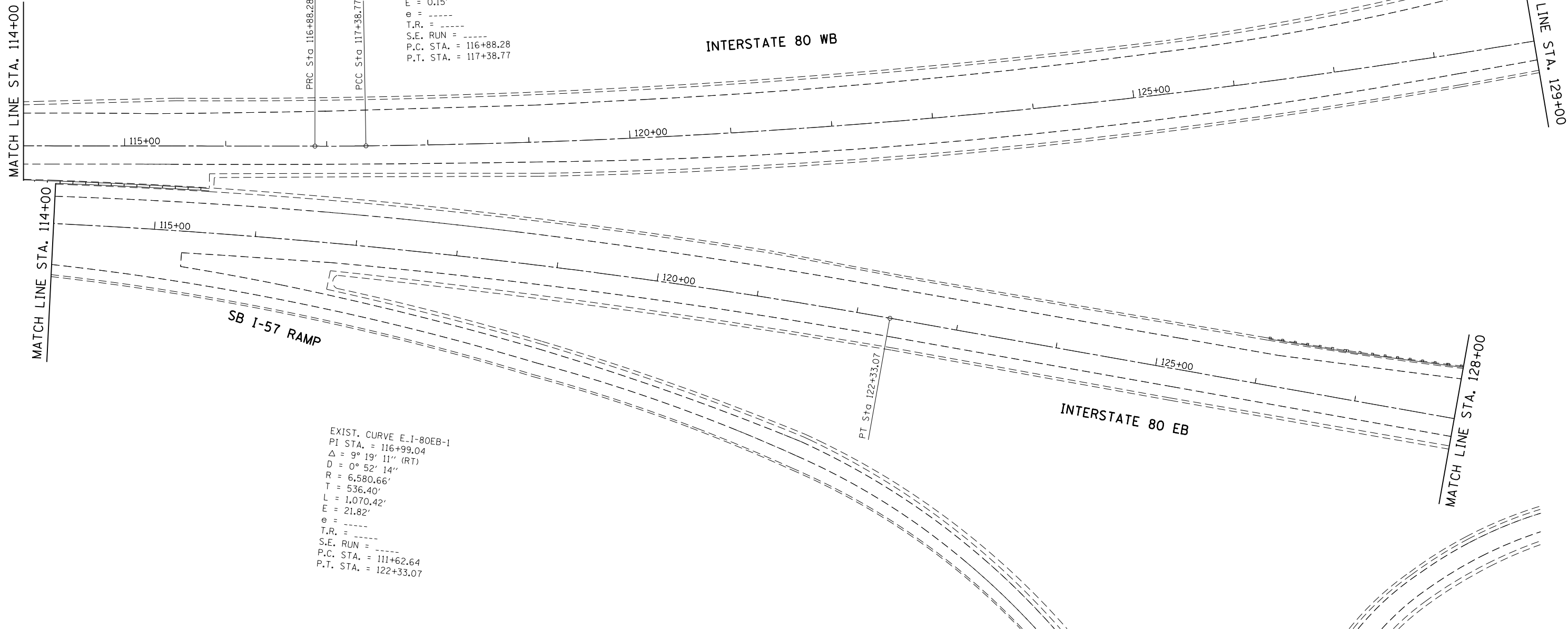
FILE NAME =	USER NAME = Bilgramisa	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING AND PROPOSED ROADWAY PLAN INTERSTATE 57 FROM INTERSTATE 80 TO U.S. ROUTE 30	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	2415-sht-plen.dgn	DRAWN -	REVISED -			57	2014-057-I	COOK	30	18	
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 60Y80					
	PLOT DATE = 3/30/2015	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					



EXIST. CURVE E.I-80WB-3
 PI STA. = 117+13.53
 $\Delta = 1^\circ 21' 33''$ (LT)
 $D = 2^\circ 41' 32''$
 $R = 2,128.22'$
 $T = 25.25'$
 $L = 50.49'$
 $E = 0.15'$
 $e = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. RUN = \text{-----}$
 $P.C. STA. = 116+88.28$
 $P.T. STA. = 117+38.77$

EXIST. CURVE E.I-80WB-4
 PI STA. = 123+66.22
 $\Delta = 9^\circ 40' 38''$ (LT)
 $D = 0^\circ 46' 23''$
 $R = 7,412.19'$
 $T = 627.45'$
 $L = 1,251.92'$
 $E = 26.51'$
 $e = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. RUN = \text{-----}$
 $P.C. STA. = 117+38.77$
 $P.T. STA. = 129+90.69$

EXIST. CURVE E.I-80EB-1
 PI STA. = 116+99.04
 $\Delta = 9^\circ 19' 11''$ (RT)
 $D = 0^\circ 52' 14''$
 $R = 6,580.66'$
 $T = 536.40'$
 $L = 1,070.42'$
 $E = 21.82'$
 $e = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. RUN = \text{-----}$
 $P.C. STA. = 111+62.64$
 $P.T. STA. = 122+33.07$



FILE NAME =	USER NAME = Bilgramisa	DESIGNED -	REVISED -
ei:\pwork\work\pwork\bidot\bilgramisa\d0408411\0102415-sht-plen.dgn		DRAWN -	REVISED -
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/30/2015	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**EXISTING AND PROPOSED ROADWAY PLAN
 INTERSTATE 57 FROM INTERSTATE 80 TO U.S. ROUTE 30**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2014-057-I	COOK	30	19
CONTRACT NO. 60Y80				
ILLINOIS FED. AID PROJECT				

EXIST. CURVE E.I-80WB-5
 PI STA. = 130+33.55
 $\Delta = 5^{\circ} 12' 51''$ (LT)
 $D = 6^{\circ} 05' 14''$
 $R = 941.24'$
 $T = 42.86'$
 $L = 85.66'$
 $E = 0.98'$
 $e =$
 T.R. =
 S.E. RUN =
 P.C. STA. = 129+90.69
 P.T. STA. = 130+76.34

EXIST. CURVE E.I-80WB-7
 PI STA. = 137+48.55
 $\Delta = 9^{\circ} 59' 39''$ (RT)
 $D = 10^{\circ} 44' 12''$
 $R = 533.65'$
 $T = 46.66'$
 $L = 93.09'$
 $E = 2.04'$
 $e =$
 T.R. =
 S.E. RUN =
 P.C. STA. = 137+01.89
 P.T. STA. = 137+94.98

EXIST. CURVE E.I-80WB-8
 PI STA. = 142+00.85
 $\Delta = 11^{\circ} 30' 05''$ (RT)
 $D = 1^{\circ} 25' 18''$
 $R = 4,030.20'$
 $T = 405.87'$
 $L = 809.01'$
 $E = 20.39'$
 $e =$
 T.R. =
 S.E. RUN =
 P.C. STA. = 137+94.98
 P.T. STA. = 146+03.99

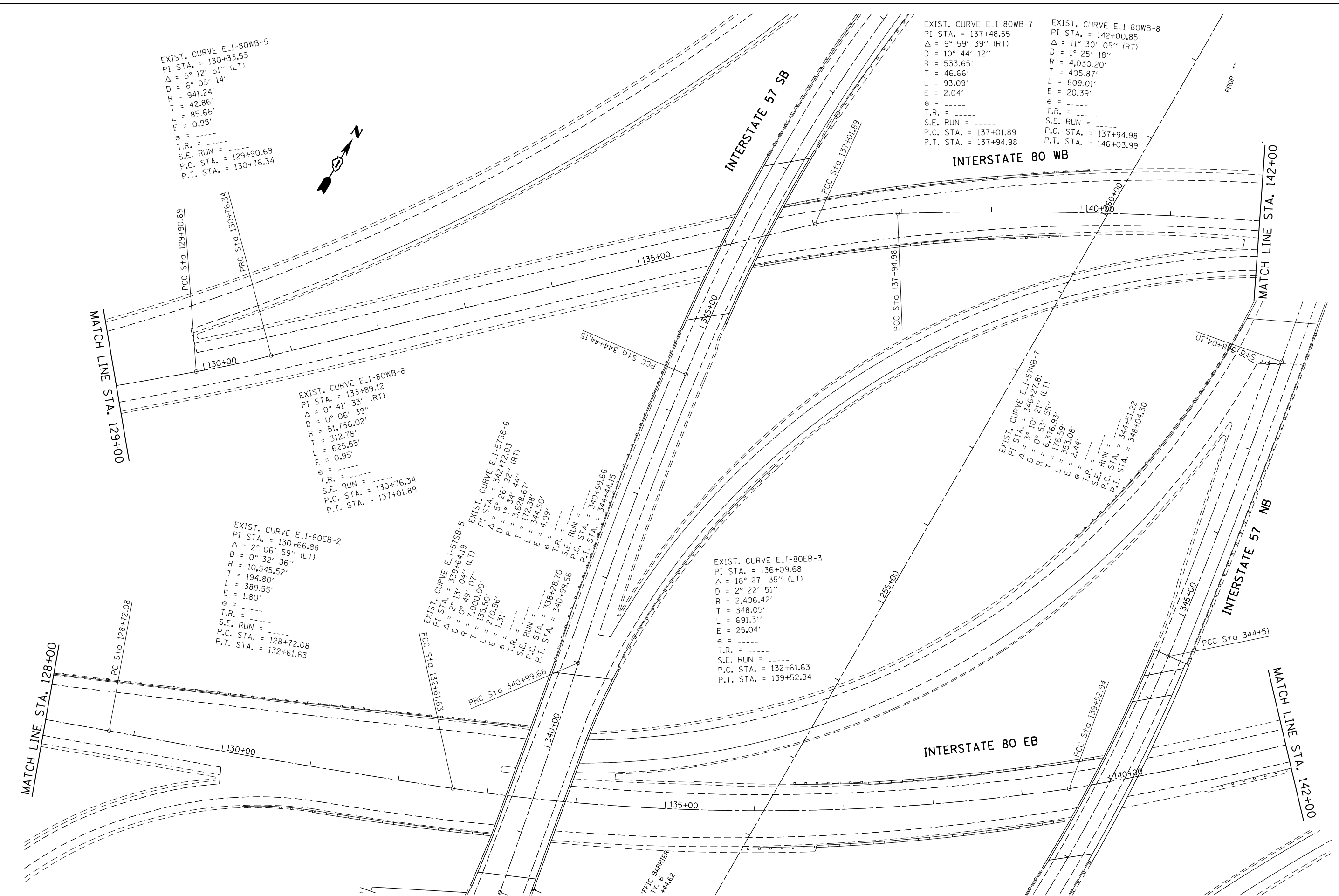
EXIST. CURVE E.I-80WB-6
 PI STA. = 133+89.12
 $\Delta = 0^{\circ} 41' 33''$ (RT)
 $D = 0^{\circ} 06' 39''$
 $R = 51,756.02'$
 $T = 312.78'$
 $L = 625.55'$
 $E = 0.95'$
 $e =$
 T.R. =
 S.E. RUN =
 P.C. STA. = 130+76.34
 P.T. STA. = 137+01.89

EXIST. CURVE E.I-80EB-2
 PI STA. = 130+66.88
 $\Delta = 2^{\circ} 06' 59''$ (LT)
 $D = 0^{\circ} 32' 36''$
 $R = 10,545.52'$
 $T = 194.80'$
 $L = 389.55'$
 $E = 1.80'$
 $e =$
 T.R. =
 S.E. RUN =
 P.C. STA. = 128+72.08
 P.T. STA. = 132+61.63

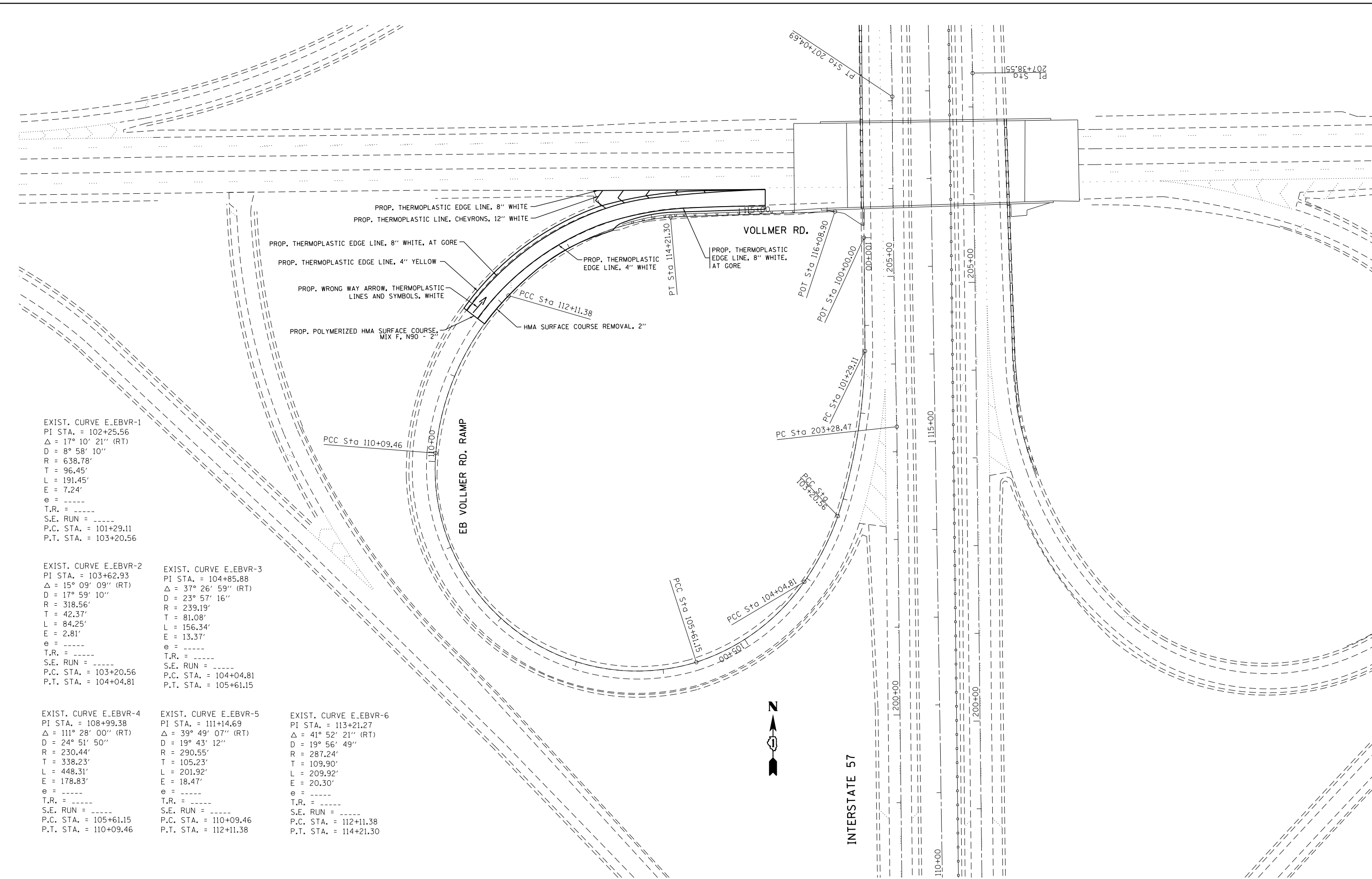
EXIST. CURVE E.I-57SB-5
 PI STA. = 339+64.19
 $\Delta = 2^{\circ} 13' 04''$ (LT)
 $D = 0^{\circ} 49' 07''$ (LT)
 $R = 7,000.00'$
 $T = 135.50'$
 $L = 270.96'$
 $E = 1.31'$
 $e =$
 T.R. =
 S.E. RUN =
 P.C. STA. = 340+99.66
 P.T. STA. = 344+44.15

EXIST. CURVE E.I-80EB-3
 PI STA. = 136+09.68
 $\Delta = 16^{\circ} 27' 35''$ (LT)
 $D = 2^{\circ} 22' 51''$
 $R = 2,406.42'$
 $T = 348.05'$
 $L = 691.31'$
 $E = 25.04'$
 $e =$
 T.R. =
 S.E. RUN =
 P.C. STA. = 132+61.63
 P.T. STA. = 139+52.94

EXIST. CURVE E.I-57NB-7
 PI STA. = 346+27.81
 $\Delta = 3^{\circ} 10' 21''$ (LT)
 $D = 0^{\circ} 53' 55''$ (LT)
 $R = 6,376.93'$
 $T = 176.59'$
 $L = 353.08'$
 $E = 2.44'$
 $e =$
 T.R. =
 S.E. RUN =
 P.C. STA. = 344+51.22
 P.T. STA. = 348+04.30



FILE NAME = c:\pwork\work\pidot\bilgrmisa\d040841\10102415-sht-pln.dgn	USER NAME = bilgrmisa	DESIGNED - DRAWN -	REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING AND PROPOSED ROADWAY PLAN INTERSTATE 57 FROM INTERSTATE 80 TO U.S. ROUTE 30			F.A.I. RTE. 57	SECTION 2014-057-I	COUNTY COOK	TOTAL SHEETS 30	SHEET NO. 20
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		SCALE: 1" = 50'	SHEET	OF	SHEETS	STA.	TO	STA.	ILLINOIS FED. AID PROJECT
	PLOT DATE = 3/30/2015	DATE -	REVISED -		CONTRACT NO. 60Y80							
					CONTRACT NO. 60Y80							



EXIST. CURVE E_EBVR-1
 PI STA. = 102+25.56
 $\Delta = 17^\circ 10' 21''$ (RT)
 $D = 8^\circ 58' 10''$
 $R = 638.78'$
 $T = 96.45'$
 $L = 191.45'$
 $E = 7.24'$
 $e = \text{---}$
 $T.R. = \text{---}$
 $S.E. RUN = \text{---}$
 $P.C. STA. = 101+29.11$
 $P.T. STA. = 103+20.56$

EXIST. CURVE E_EBVR-2
 PI STA. = 103+62.93
 $\Delta = 15^\circ 09' 09''$ (RT)
 $D = 17^\circ 59' 10''$
 $R = 318.56'$
 $T = 42.37'$
 $L = 84.25'$
 $E = 2.81'$
 $e = \text{---}$
 $T.R. = \text{---}$
 $S.E. RUN = \text{---}$
 $P.C. STA. = 103+20.56$
 $P.T. STA. = 104+04.81$

EXIST. CURVE E_EBVR-3
 PI STA. = 104+85.88
 $\Delta = 37^\circ 26' 59''$ (RT)
 $D = 23^\circ 57' 16''$
 $R = 239.19'$
 $T = 81.08'$
 $L = 156.34'$
 $E = 13.37'$
 $e = \text{---}$
 $T.R. = \text{---}$
 $S.E. RUN = \text{---}$
 $P.C. STA. = 104+04.81$
 $P.T. STA. = 105+61.15$

EXIST. CURVE E_EBVR-4
 PI STA. = 108+99.38
 $\Delta = 111^\circ 28' 00''$ (RT)
 $D = 24^\circ 51' 50''$
 $R = 230.44'$
 $T = 338.23'$
 $L = 448.31'$
 $E = 178.83'$
 $e = \text{---}$
 $T.R. = \text{---}$
 $S.E. RUN = \text{---}$
 $P.C. STA. = 105+61.15$
 $P.T. STA. = 110+09.46$

EXIST. CURVE E_EBVR-5
 PI STA. = 111+14.69
 $\Delta = 39^\circ 49' 07''$ (RT)
 $D = 19^\circ 43' 12''$
 $R = 290.55'$
 $T = 105.23'$
 $L = 201.92'$
 $E = 18.47'$
 $e = \text{---}$
 $T.R. = \text{---}$
 $S.E. RUN = \text{---}$
 $P.C. STA. = 110+09.46$
 $P.T. STA. = 112+11.38$

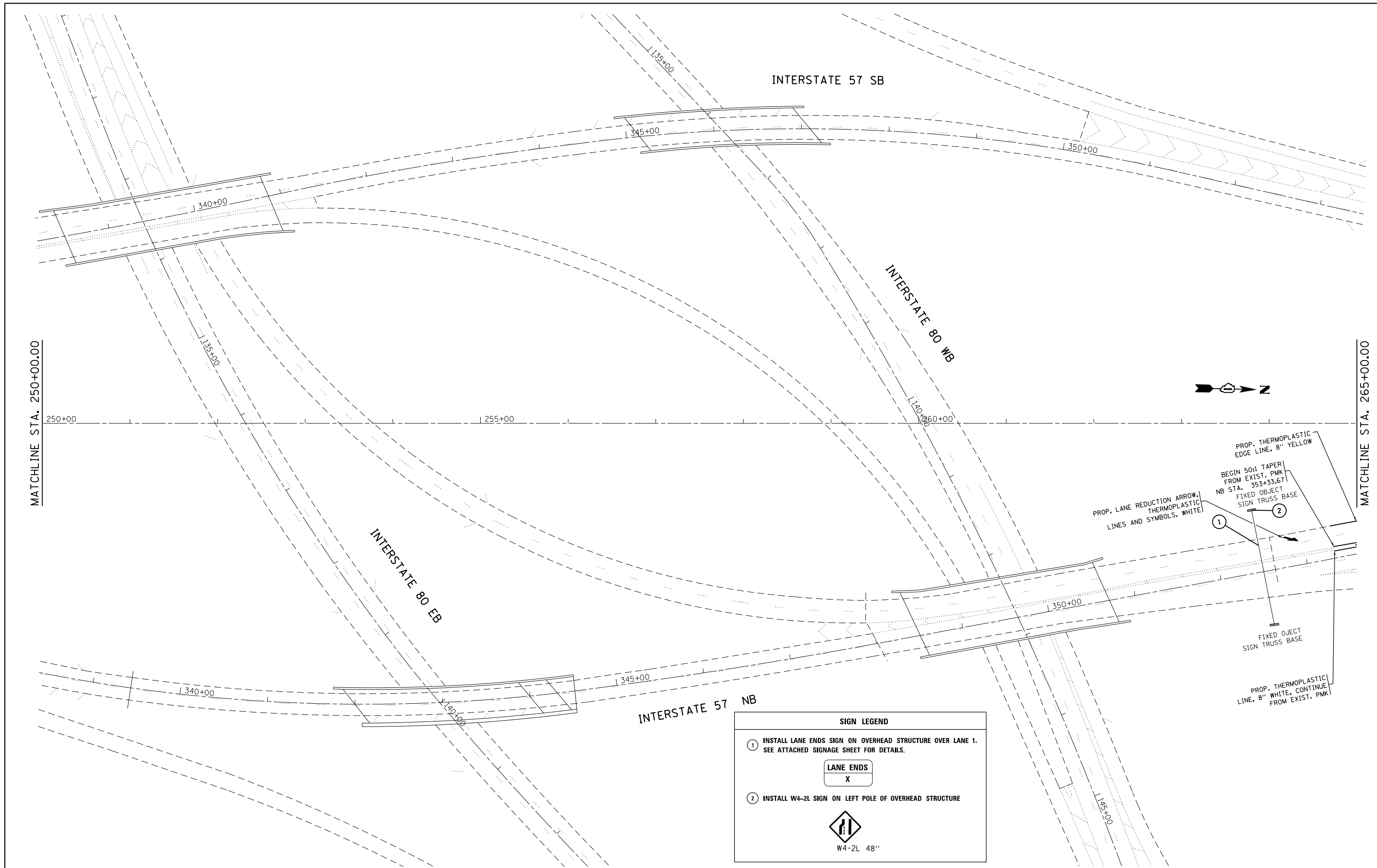
EXIST. CURVE E_EBVR-6
 PI STA. = 113+21.27
 $\Delta = 41^\circ 52' 21''$ (RT)
 $D = 19^\circ 56' 49''$
 $R = 287.24'$
 $T = 109.90'$
 $L = 209.92'$
 $E = 20.30'$
 $e = \text{---}$
 $T.R. = \text{---}$
 $S.E. RUN = \text{---}$
 $P.C. STA. = 112+11.38$
 $P.T. STA. = 114+21.30$

FILE NAME =	USER NAME = Bilgramis	DESIGNED -	REVISED -
et:\pw\work\p\idot\bilgramis\d0408411\1012415-sht-pln.dgn		DRAWN -	REVISED -
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/30/2015	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PAVEMENT MILLING AND RESURFACING PLAN			
SB I-57 TO EB VOLLMER RD. RAMP			
SCALE: 1" = 50'	SHEET	OF	SHEETS
	STA.	TO	STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2014-057-I	COOK	30	21
CONTRACT NO. 60Y80				
ILLINOIS FED. AID PROJECT				



PROP. THERMOPLASTIC
EDGE LINE, 8" YELLOW

BEGIN 50:1 TAPER
FROM EXIST. PMK
NB STA. 353+33.67

PROP. LANE REDUCTION ARROW,
THERMOPLASTIC
LINES AND SYMBOLS, WHITE

FIXED OBJECT
SIGN TRUSS BASE

PROP. THERMOPLASTIC
LINE, 8" WHITE, CONTINUE
FROM EXIST. PMK


SIGN LEGEND

① INSTALL LANE ENDS SIGN ON OVERHEAD STRUCTURE OVER LANE 1.
SEE ATTACHED SIGNAGE SHEET FOR DETAILS.

LANE ENDS

X

② INSTALL W4-2L SIGN ON LEFT POLE OF OVERHEAD STRUCTURE



W4-2L 48"

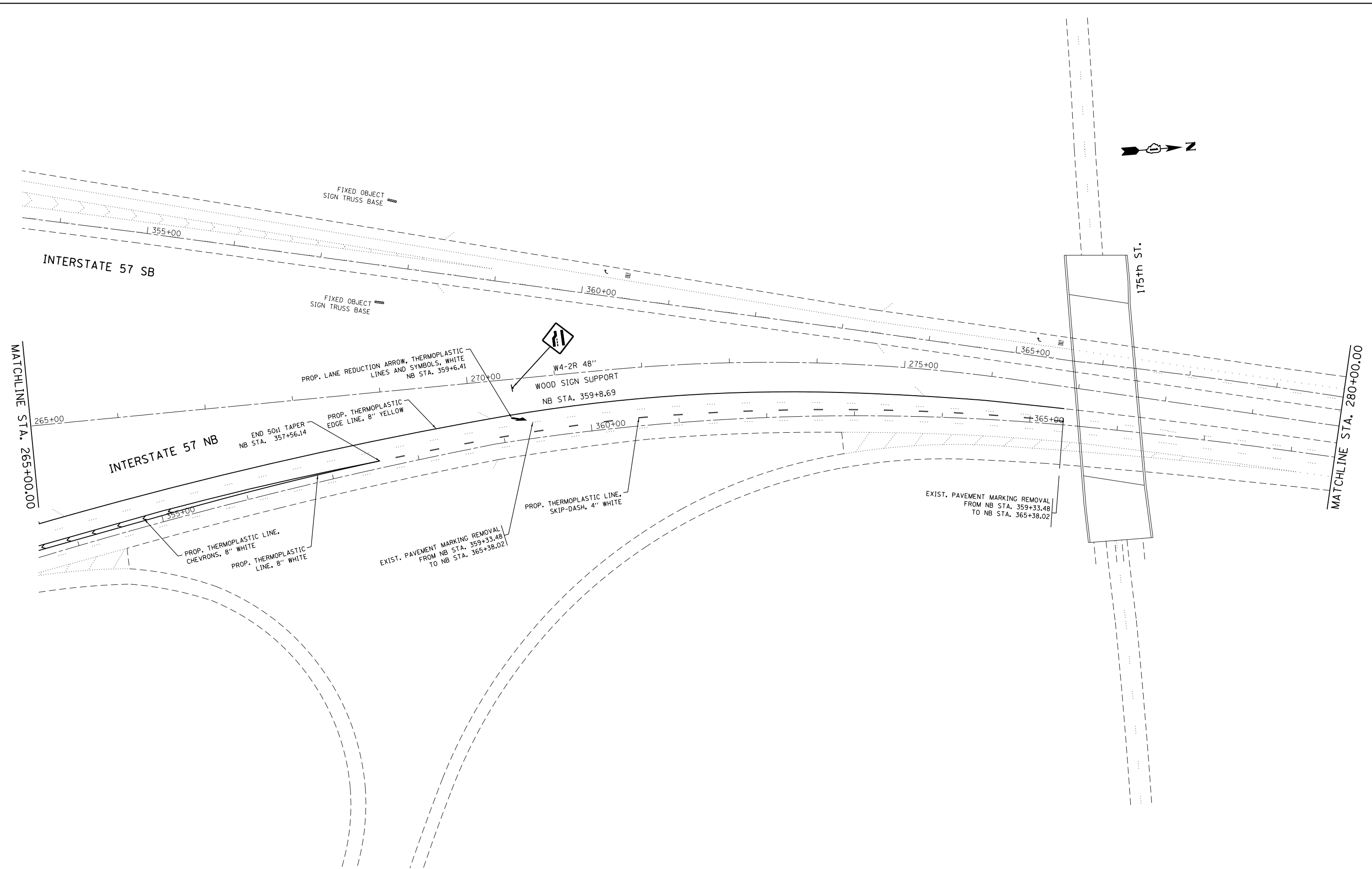
FILE NAME =	USER NAME = Bilgramisa	DESIGNED -	REVISED -
et:\pw\work\p1dot\bilgramisa\d0408411\0102415-sht-pln.dgn		DRAWN -	REVISED -
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/30/2015	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED PAVEMENT MARKING & SIGNAGE PLAN
INTERSTATE 57 FROM INTERSTATE 80 TO U.S. ROUTE 30**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2014-057-I	COOK	30	22
CONTRACT NO. 60Y80				
ILLINOIS FED. AID PROJECT				



FILE NAME =	USER NAME = Bilgramisa	DESIGNED -	REVISED -
Default	2415-sht-pln.dgn	DRAWN -	REVISED -
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/30/2015	DATE -	REVISED -

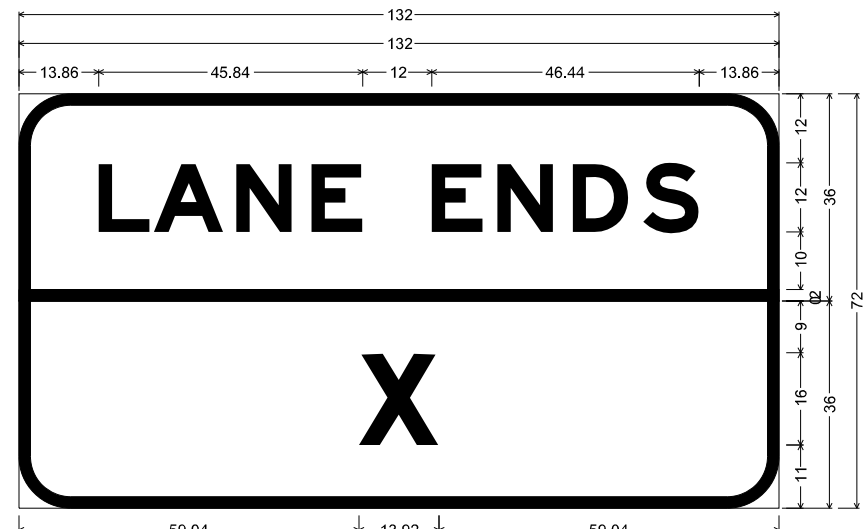
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED PAVEMENT MARKING & SIGNAGE PLAN
INTERSTATE 57 FROM INTERSTATE 80 TO U.S. ROUTE 30**

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2014-057-I	COOK	30	23
CONTRACT NO. 60Y80				
ILLINOIS FED. AID PROJECT				

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

STRUCTURE NUMBER		-
LOCATION		EXPRESSWAY
SIZE (W x H)	EXIT PLAQUE	-
	MAIN PANEL	11' -0" x 6' -0"
MOUNTING / TYPE		OVERHEAD
MOUNTING LOC (L, M, R)		-
SHEETING / COLOR	BACKGROUND	TYPE: ZZ
		COLOR: YELLOW
		TYPE: AP
		COLOR: WHITE
	LEGEND / BORDER	TYPE: -
		COLOR: BLACK
		TYPE: -
		COLOR: RED

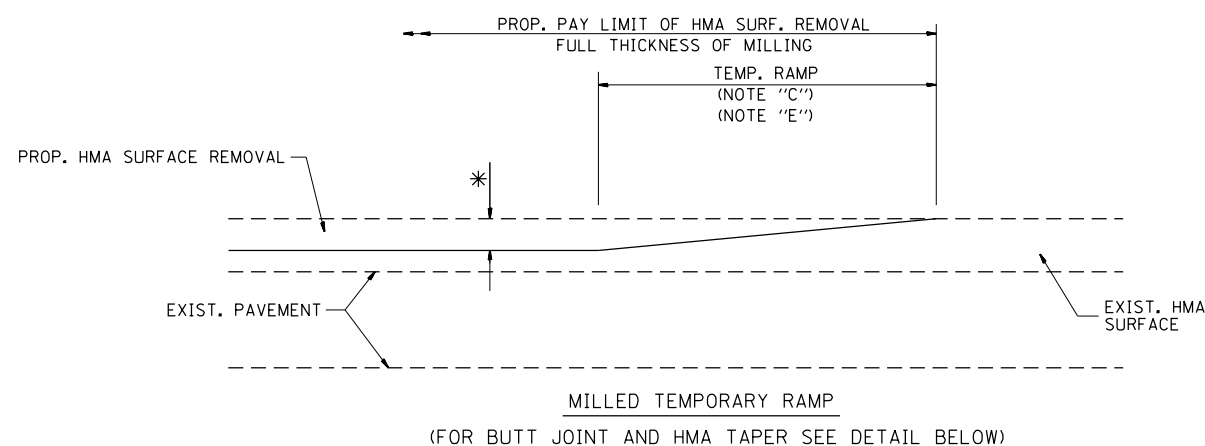


9.00" Radius, 2.00" Border, Black on Yellow;
 [LANE ENDS] E Mod 2K;
 9.00" Radius, 2.00" Border, Black on White;
 [X] Red E Mod 2K;
 Table of widths and spaces.

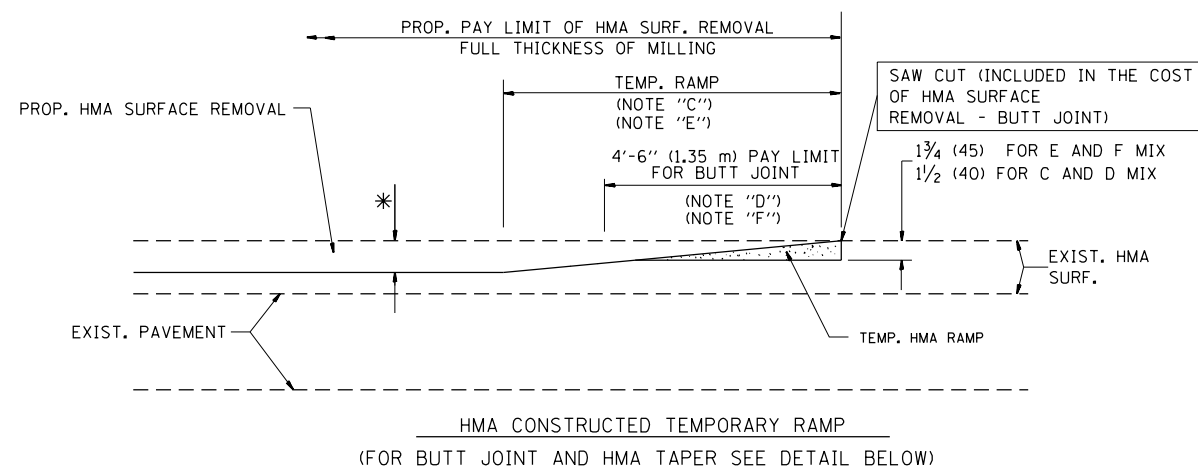
13.86	L	8.88	0.72	A	12.12	2.16	N	9.72	3.36	E	8.88	12.00	E	8.88	2.52	N	9.72	3.36	D	9.72	2.52	S	9.72	13.86
-0.00		132.00	0.00																					
59.04	X	13.92	59.04																					

NOTE: PAY ITEM, 'SIGN PANEL - TYPE 3', TO INCLUDE ALL HARDWARE NEEDED FOR INSTALATION

FILE NAME =	USER NAME = Bilgramisa	DESIGNED - LP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIGN PANEL DESIGN	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw\work\pwidot\bilgramisa\d0408411\0102415-sht-plen.dgn	DRAWN - LP	REVISED -	57			2014-057-I	COOK	30	24	
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 60Y80				
	PLOT DATE = 3/30/2015	DATE - 02/18/2015	REVISED -			ILLINOIS FED. AID PROJECT				
				SCALE: NTS	SHEET OF SHEETS	STA. TO STA.				

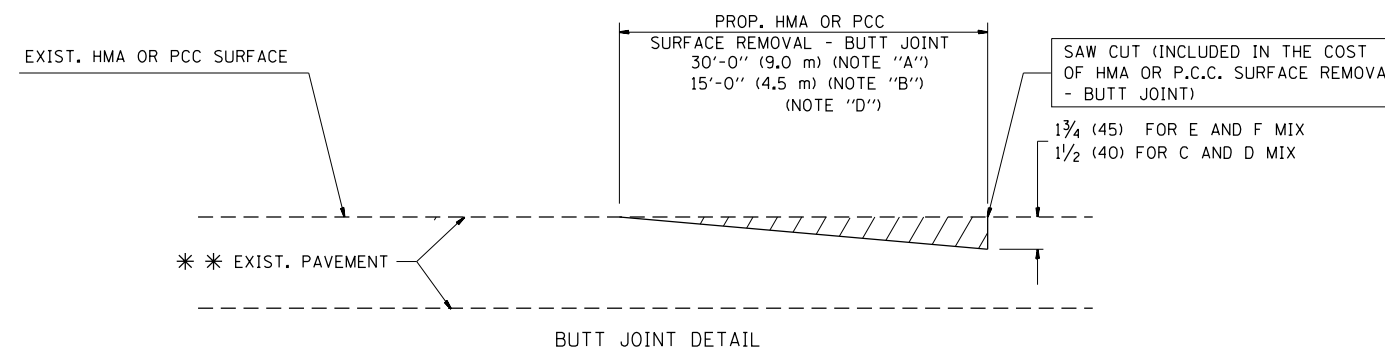


OPTION 1

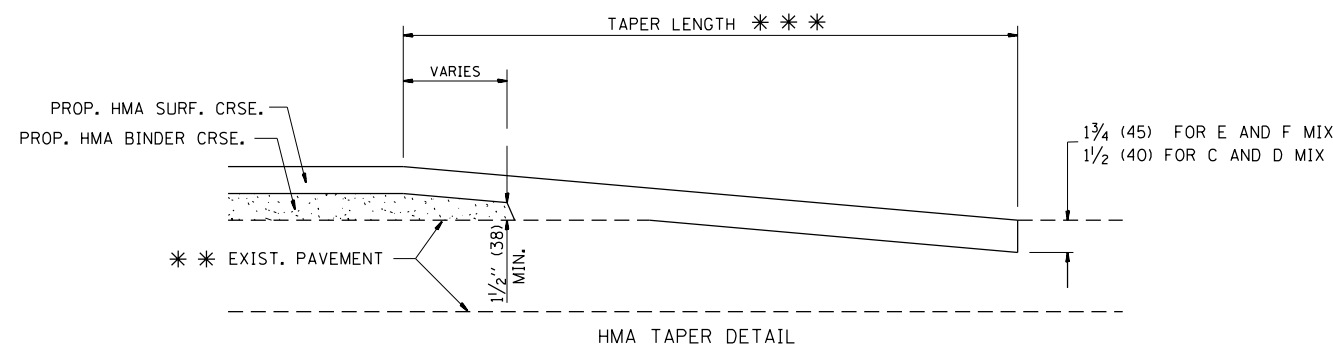


OPTION 2

TYPICAL TEMPORARY RAMP



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

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

NOTES

- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
- B: MINOR SIDE ROADS.
- C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
- D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
- E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
- F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT
- G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".

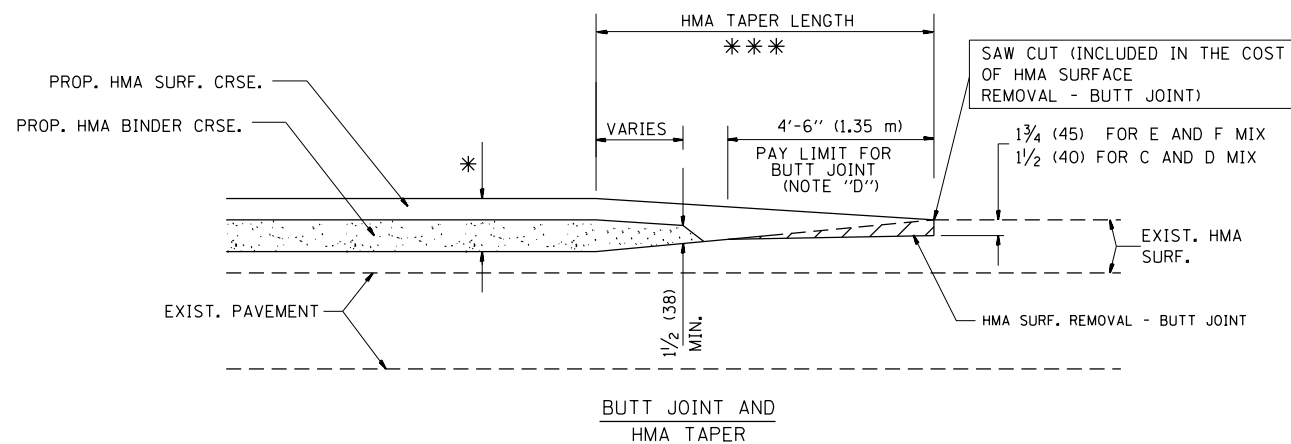
* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.

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

BASIS OF PAYMENT:

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

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



TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

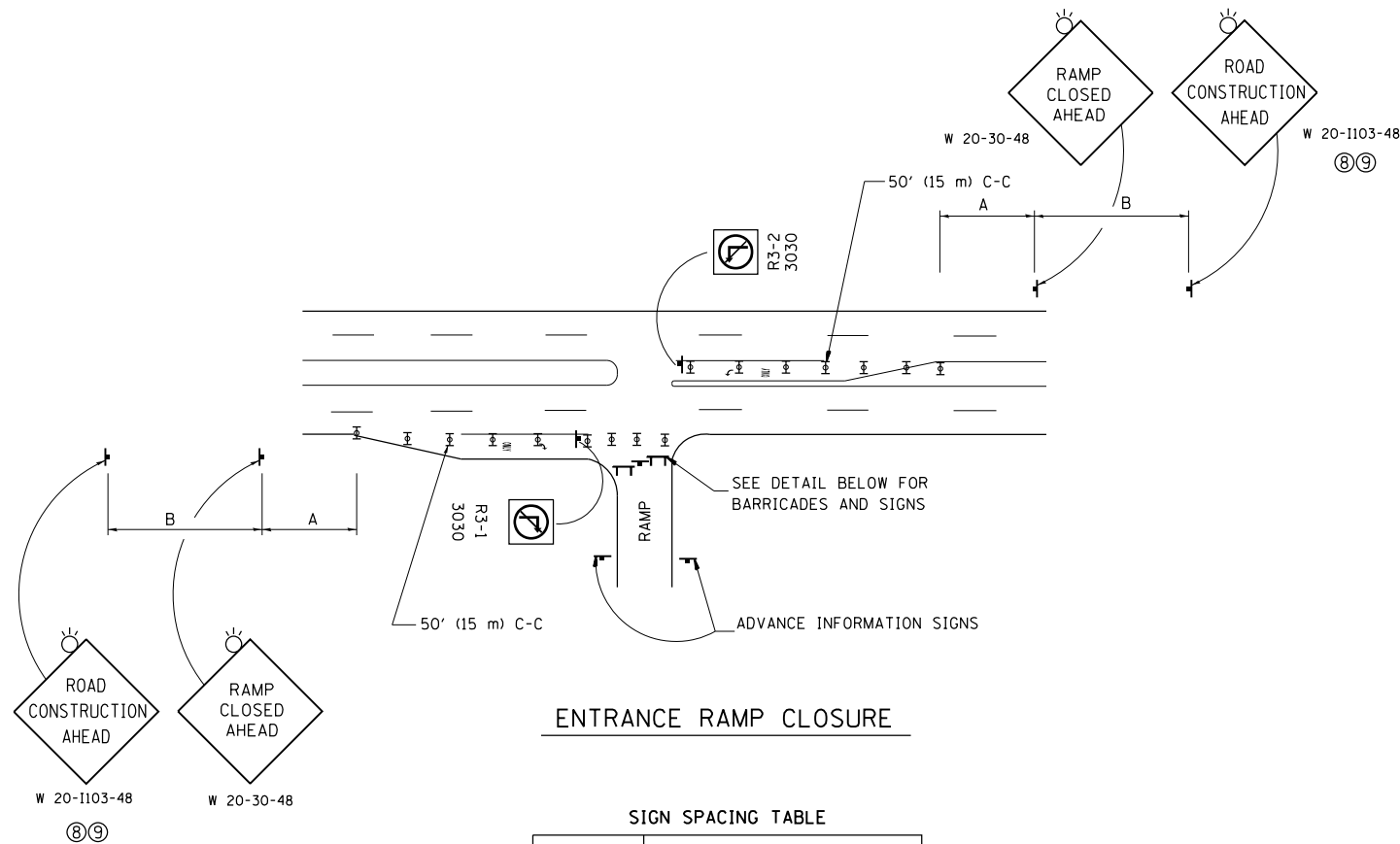
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	PLOT SCALE = 100.0000' / 1"	CHECKED -	REVISED - M. GOMEZ 04-06-01
	PLOT DATE = 3/30/2015	DATE - 06-13-90	REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BUTT JOINT AND
HMA TAPER DETAILS**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2014-057-1	COOK	30	25
BD400-05 BD32		CONTRACT NO. 60Y80		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

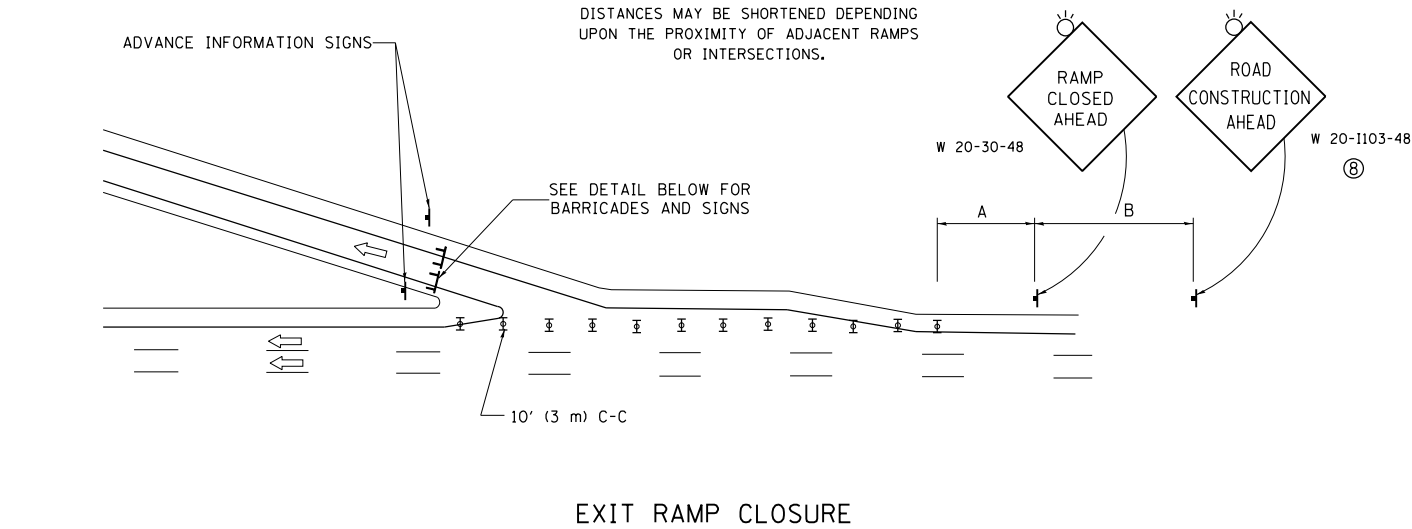


ENTRANCE RAMP CLOSURE

SIGN SPACING TABLE

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

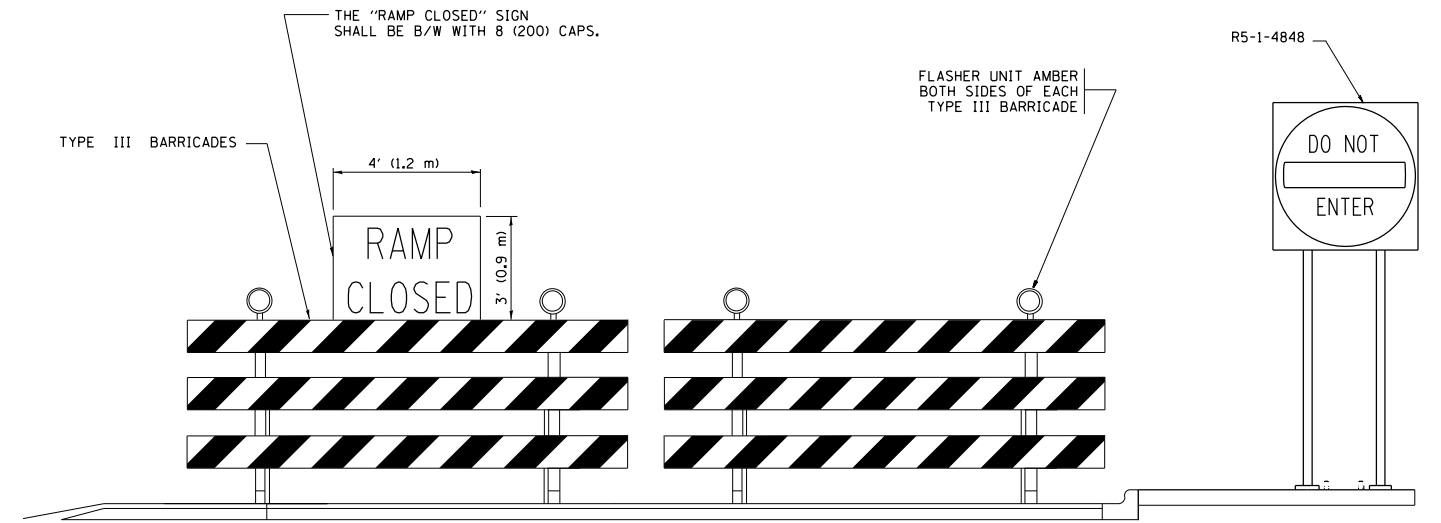
DISTANCES MAY BE SHORTENED DEPENDING UPON THE PROXIMITY OF ADJACENT RAMPS OR INTERSECTIONS.



EXIT RAMP CLOSURE

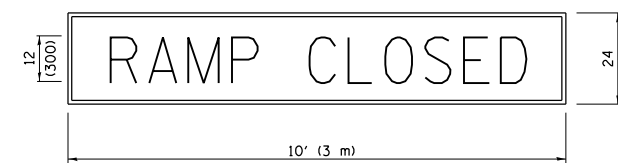
SYMBOLS

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



DETAIL FOR REQUIRED BARRICADES & SIGNS

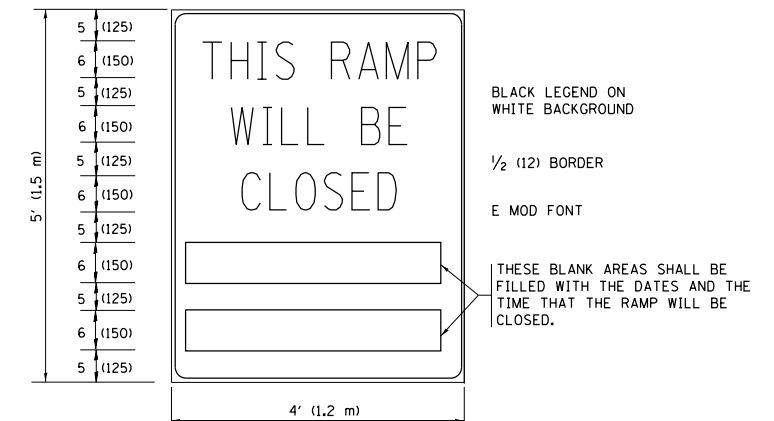
RAMP CLOSURE ADVANCE WARNING SIGN



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.

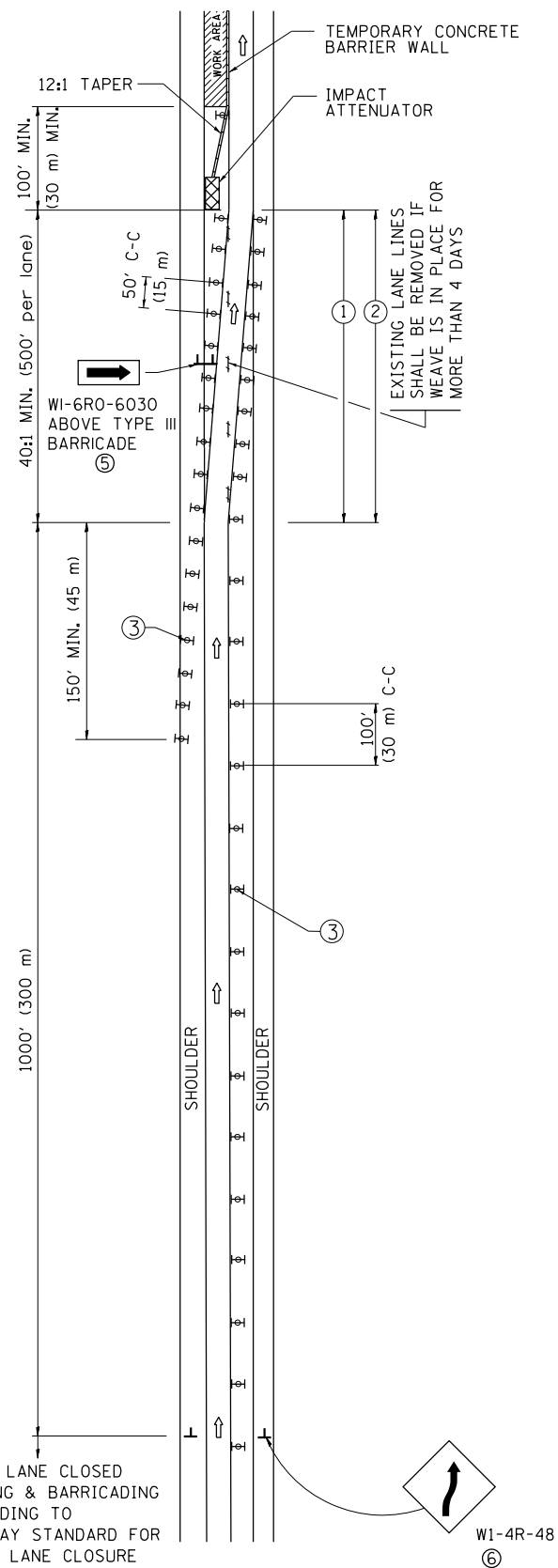
FILE NAME =	USER NAME = Bilgramisa	DESIGNED - DWS	REVISED - JAF 02-06
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	PLOT SCALE = 100.0000' / 1"	CHECKED -	REVISED - SPB 12-09
	PLOT DATE = 3/30/2015	DATE - 02-83	REVISED - MD 06-13

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

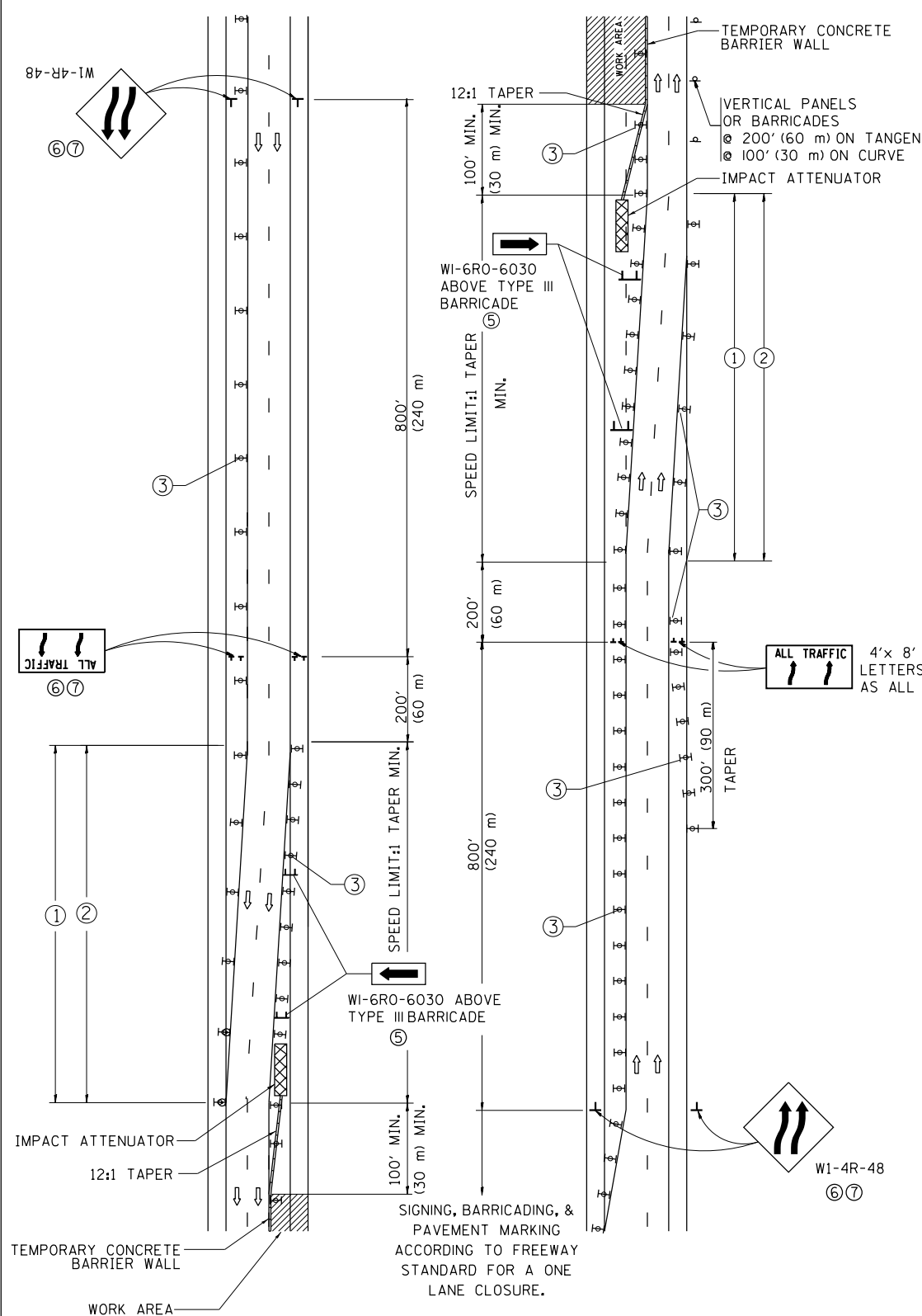
ENTRANCE AND EXIT RAMP CLOSURE DETAILS	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2014-057-I	COOK	30	26
TC-08		CONTRACT NO. 60Y80		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SINGLE LANE WEAVE



MULTI-LANE WEAVE



GENERAL NOTES

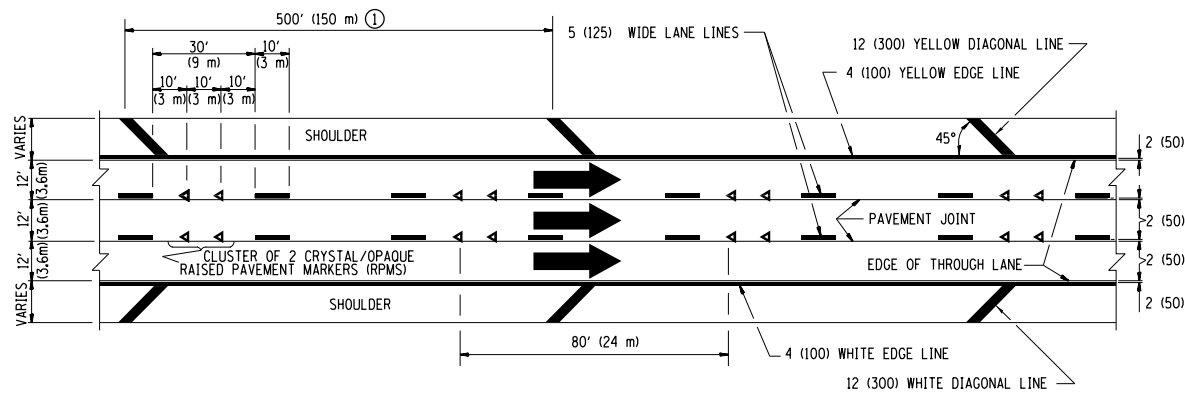
- ① EXISTING CONFLICTING PAVEMENT MARKING LINES SHALL BE REMOVED. PAVEMENT MARKING REMOVAL SHALL NOT BE REQUIRED FOR SINGLE LANE WEAVES UNDER 4 DAYS IN DURATION.
- ② CONTINUOUS REFLECTIVE TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE TAPER AND FOR 300' (90 m) ALONG SIDE THE WORK AREA 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. W1-6 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

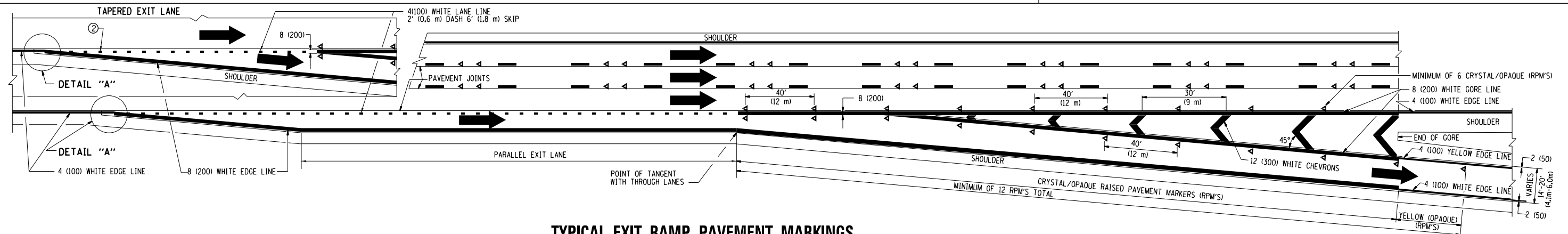
FILE NAME =	USER NAME = Bilgrmise	DESIGNED - DWS	REVISED - JAF 02-06	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL DETAILS FOR FREEWAY SINGLE & MULTI-LANE WEAVE			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pw\work\p\idot\bilgrmise\d0408411\DrawStd.dgn		DRAWN -	REVISED - SPB 01-07		57	2014-057-I	COOK	30	27			
PLOT SCALE = 100.0000' / 1"		CHECKED -	REVISED - SPB 12-09		TC-09			CONTRACT NO. 60Y80				
PLOT DATE = 3/30/2015		DATE - 02-87	REVISED - MD 06-13		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			



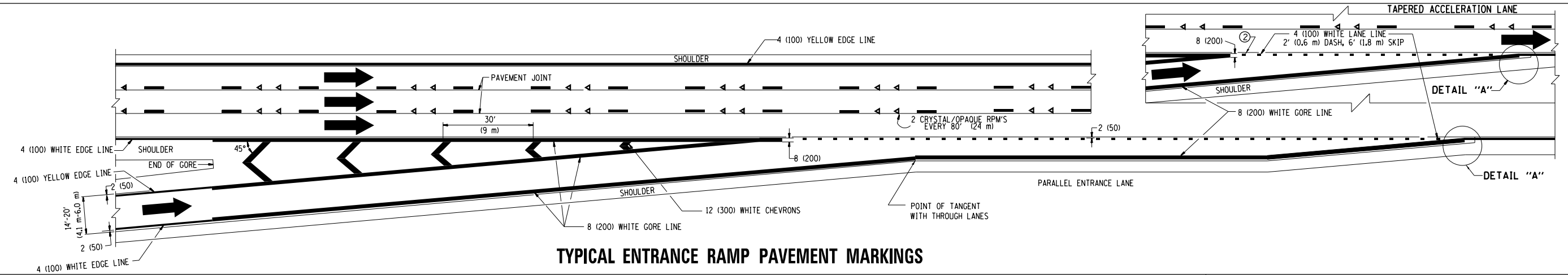
TYPICAL EDGE LINES & LANE LINES

PAVEMENT MARKING MATERIALS

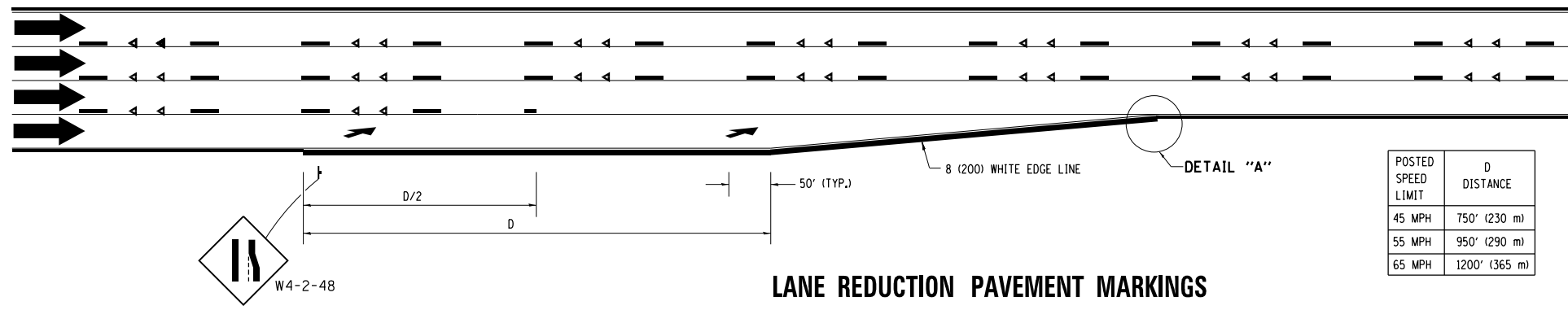
1. THERMO PLASTIC PAVEMENT MARKING LINE SHALL BE USED FOR THE EDGE LINES, GORE LINES, AND DIAGONAL LINES ON BITUMINOUS PAVEMENT ONLY.
2. PREFORMED PLASTIC TYPE B PAVEMENT MARKING LINE; INLAID OR GROOVED IN SHALL BE USED FOR ALL LANE LINES ON HMA PAVEMENT PROJECTS.
3. POLYUREA PAVEMENT MARKING SHALL BE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



TYPICAL EXIT RAMP PAVEMENT MARKINGS

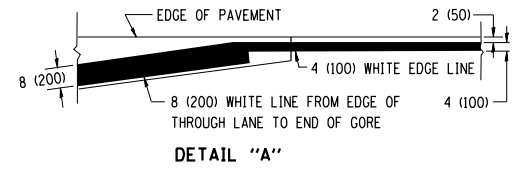


TYPICAL ENTRANCE RAMP PAVEMENT MARKINGS

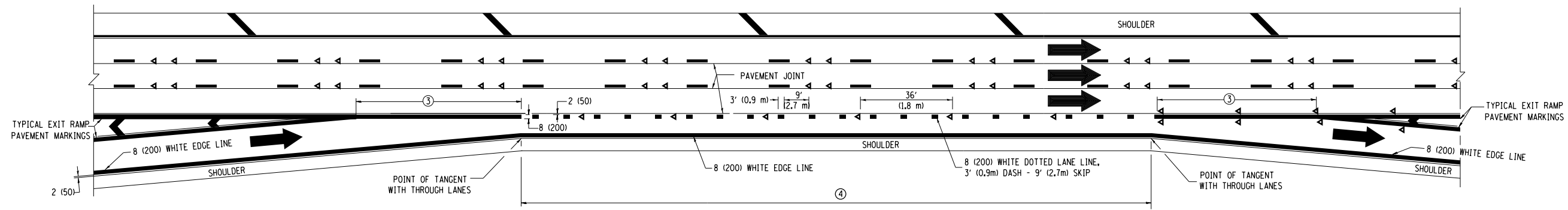


LANE REDUCTION PAVEMENT MARKINGS

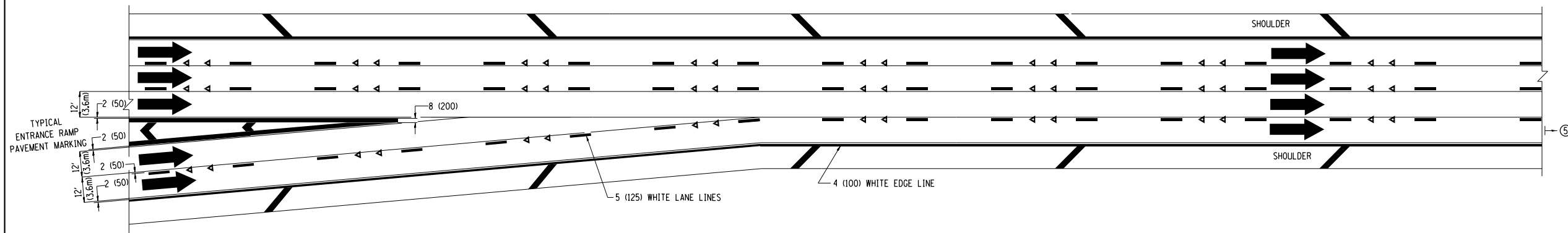
POSTED SPEED LIMIT	D DISTANCE
45 MPH	750' (230 m)
55 MPH	950' (290 m)
65 MPH	1200' (365 m)



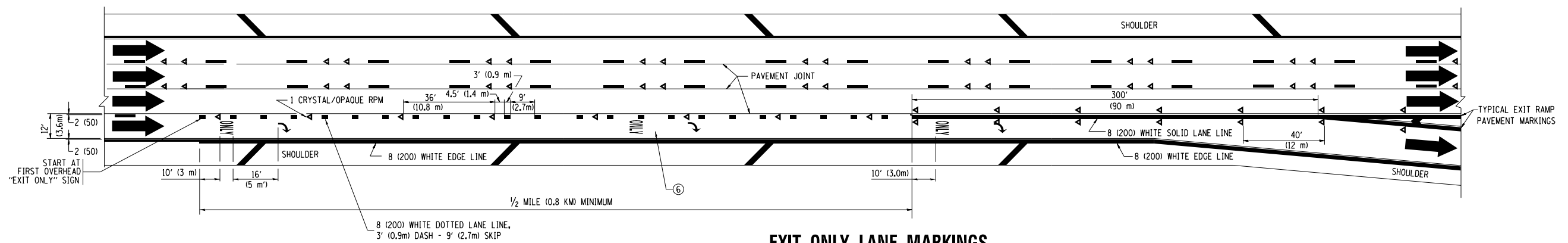
- NOTES:**
- ① THE DIAGONAL LINES SHALL BE SPACED AT 40' (12 m) C-C ACROSS ALL STRUCTURES WHICH ARE 500' (150 m) OR LESS IN LENGTH. THE DIAGONAL LINES ARE NOT REQUIRED ON SHOULDERS WHICH ARE 6' (1.8 m) OR LESS IN WIDTH.
 - ② 4" (2' DASH, 6' SKIP) MARKING ON TAPERED ENTRANCE AND EXIT RAMP SHALL BE OMITTED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



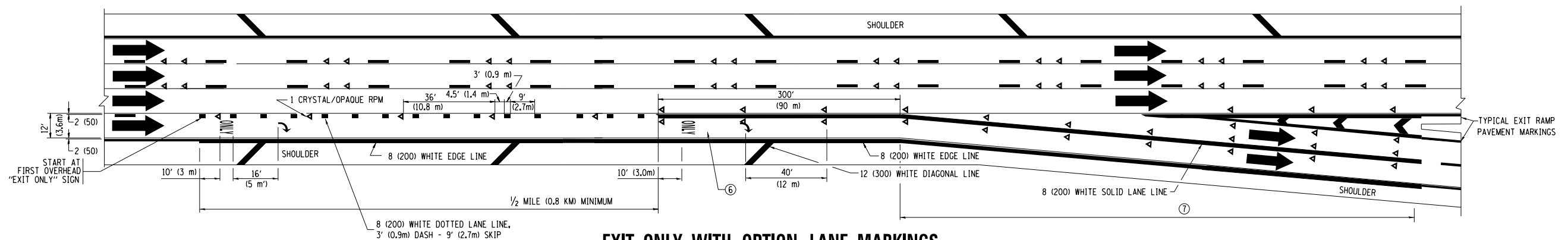
AUXILIARY LANE MARKINGS



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.

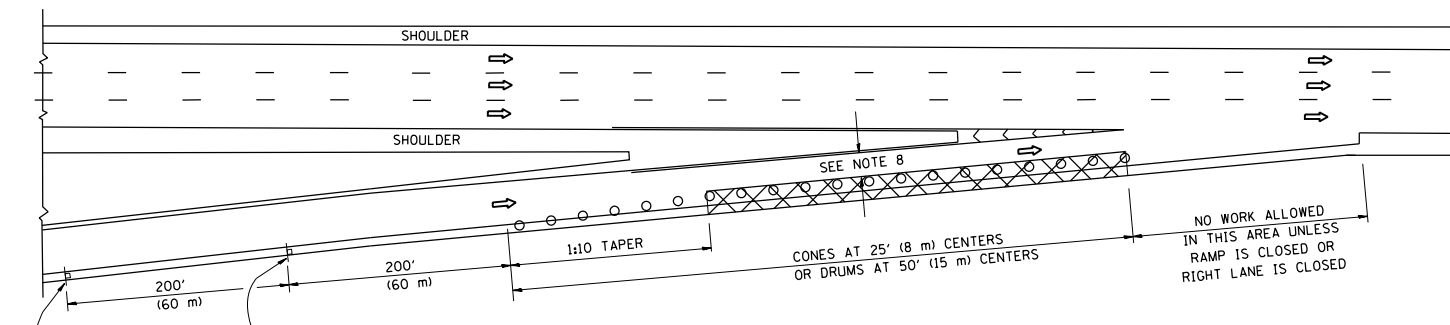
FILE NAME =	USER NAME = Bilgramisa	DESIGNED - D.W.S.	REVISED - D.W.S. 07-96
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	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - S.P.B. 01-07
	PLOT DATE = 3/30/2015	DATE - 01-90	REVISED - S.P.B. 01-10

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

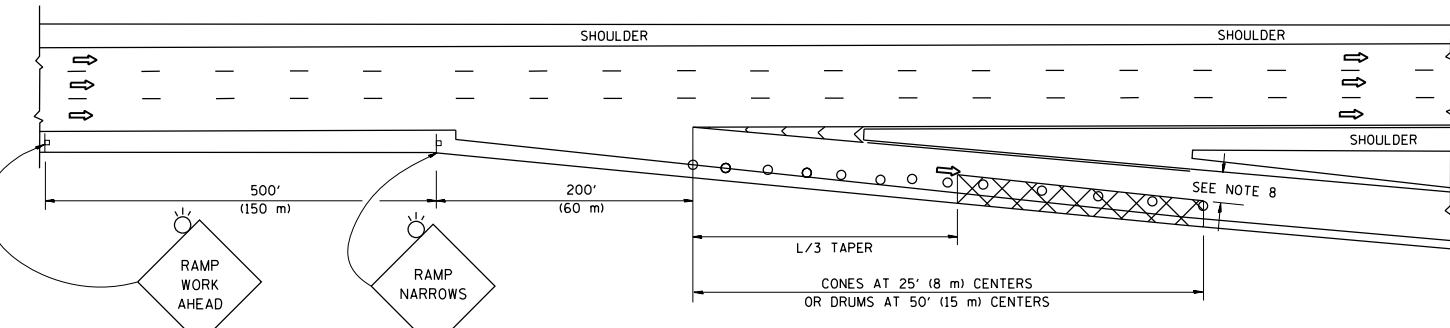
MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS			
SCALE: NONE	SHEET NO. 2 OF 2 SHEETS	STA.	TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2014-057-I	COOK	30	29
TC-12		CONTRACT NO.	60Y80	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

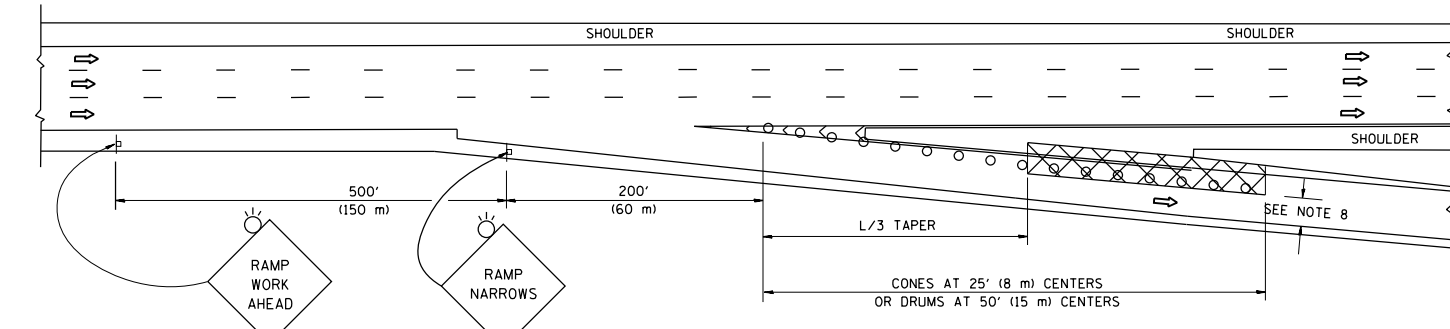
PARTIAL RAMP CLOSURE DETAILS



TYPICAL ENTRANCE RAMP



TYPICAL EXIT RAMP



TYPICAL EXIT RAMP

SYMBOLS

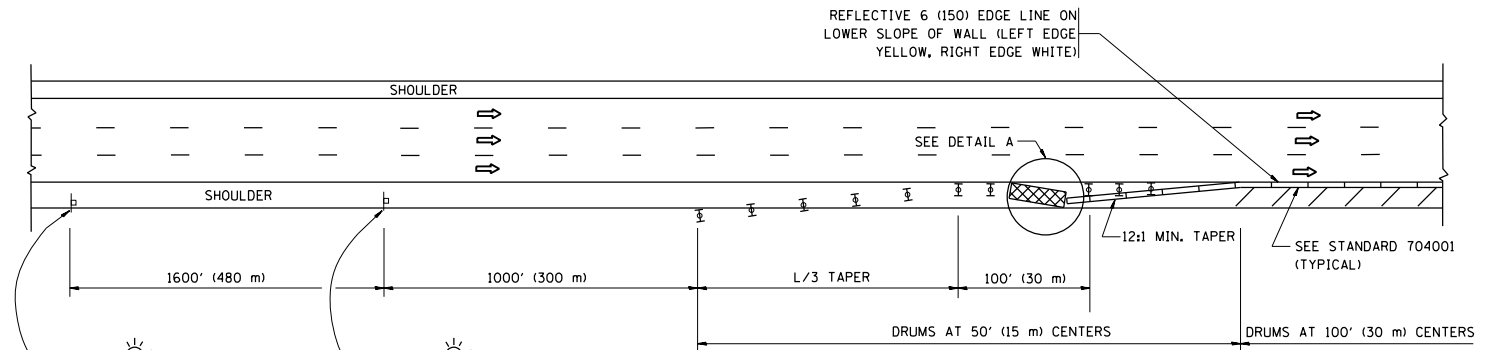
- ACTIVE WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- TYPE II BARRICADE OR DRUM WITH STEADY BURN MONO-DIRECTIONAL LIGHT
- CONE, DRUM OR BARRICADE
- IMPACT ATTENUATOR OF TYPE AND TEST LEVEL SPECIFIED

GENERAL NOTES

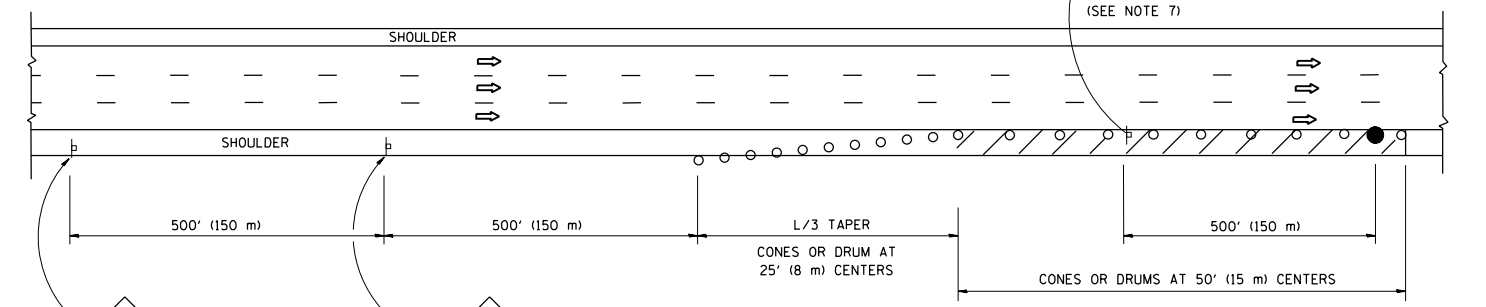
1. THE "L" DISTANCE EQUALS:

SPEED LIMIT	FORMULAS
45 mph (80 km/h) OR GREATER:	METRIC ENGLISH L=0.65(W)(S) L=(W)(S)
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 NIGHTIME 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.

SHOULDER CLOSURE DETAILS

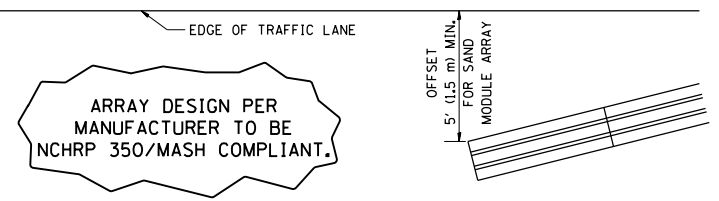


PERMANENT SHOULDER CLOSURE



DAYTIME SHOULDER CLOSURE

THIS DETAIL IS USED WHERE:
1. VEHICLES, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCRANCH 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)

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 ENCRACHMENT 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.

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

FILE NAME =	USER NAME = Bilgramisa	DESIGNED -	REVISED - J.A.F. 12-06	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pw\work\p\idot\bilgramisa\d0408411\DrawStd.dgn	PLLOT SCALE = 100.0000' / in.	DRAWN - D.W.S.	REVISED - S.P.B. 01-07			57	2014-057-I	COOK	30	30
PLLOT DATE = 3/30/2015	DATE - 11-96	CHECKED -	REVISED - S.P.B. 12-09			TC-17		CONTRACT NO. 60Y80		
		DATE - 11-96	REVISED - M.D. 06-13			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				