

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2014-009SG	COOK	32	1
ILLINOIS			CONTRACT NO. 60X90	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

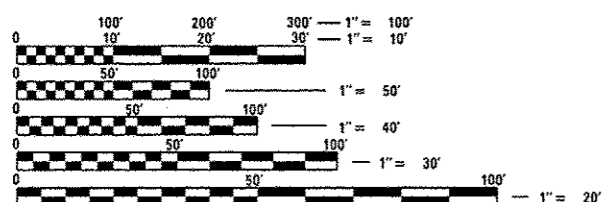
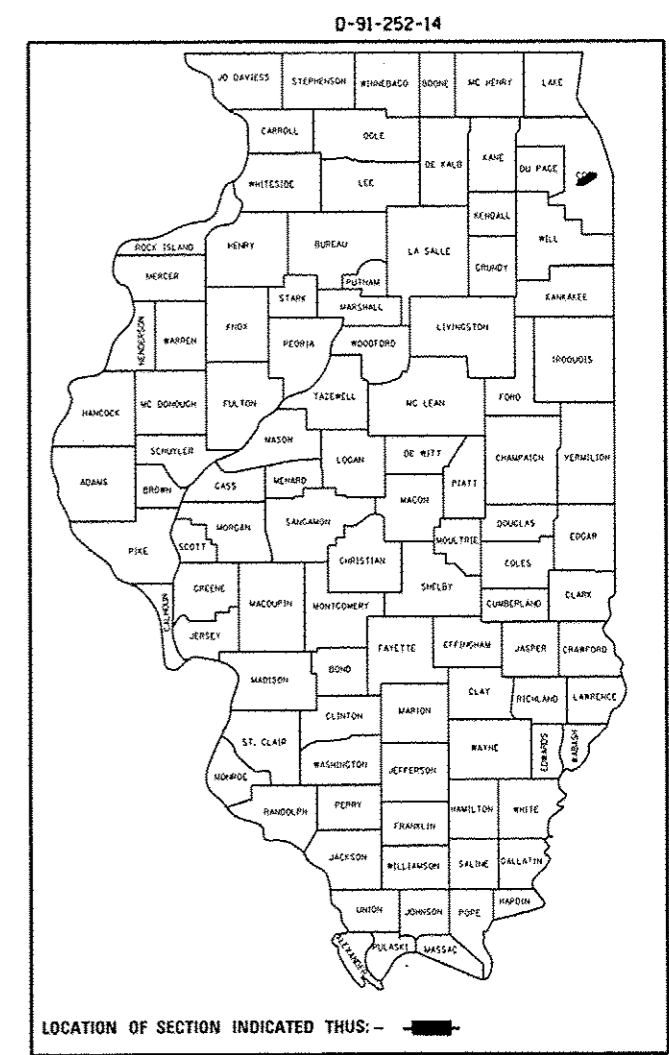
PROJECT IS LOCATED IN THE CITY OF CHICAGO

TRAFFIC DATA:

2010 ADT = 100,800 - 178,800
SPEED LIMIT = 55 MPH

PROPOSED
HIGHWAY PLANS

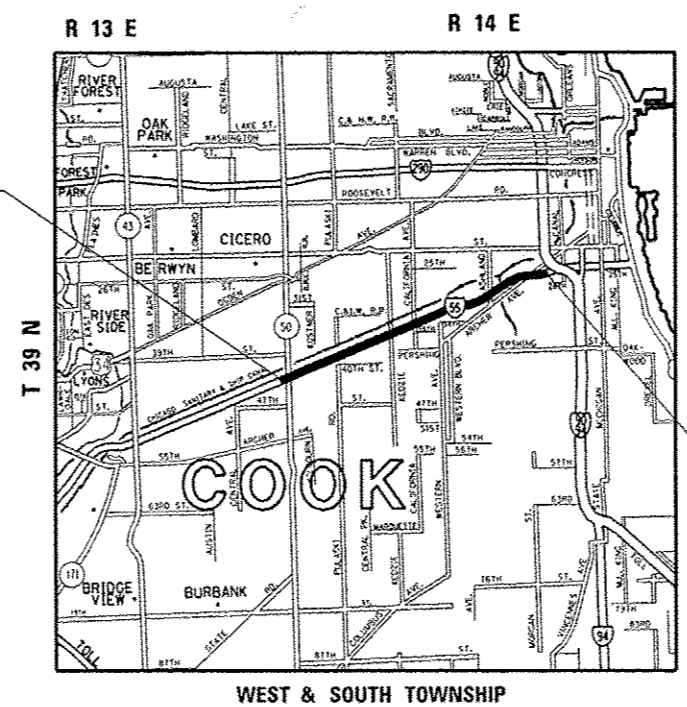
FAI 55: I-55 (STEVENS ON EXPRESSWAY)
IL 50 (CICERO AVE.) TO I-90/94
SECTION: 2014-009SG
RESURFACING (INSIDE SHOULDERS),
PAVEMENT MARKING AND SIGNAGE
PROJECT: ACCM-0055 (406)
COOK COUNTY
C-91-252-14



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 BEGINS
STATION 1325 + 75



PROJECT ENDS
STATION 1700 + 00

GROSS AND NET LENGTH OF PROJECT = 37,425.00 FT. = 7.09 MILES

PROJECT MANAGER: KEN ENG
PROJECT ENGINEER: JENPAI CHANG (847) 705 - 4432

CONTRACT NO. 60X90

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED *February 24, 2014*

John F. [Signature]
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

March 21, 2014
John D. Baranzolli, P.E. [Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

March 21, 2014
Omer Osman, P.E. [Signature]
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

<u>SHEET NO.</u>	<u>DESCRIPTION</u>
1	TITLE SHEET
2	INDEX OF SHEETS, STATE STANDARDS & GENERAL NOTES.
3	SUMMARY OF QUANTITIES
4-5	EXISTING AND PROPOSED TYPICAL SECTIONS
6-19	ROADWAY AND PAVEMENT MARKING PLANS
20-27	SIGN DETAIL SHEET
28	BUTT-JOINT AND HMA TAPER DETAILS (BD-32)
29-30	MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS (TC-12)
31	TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES (TC-17)
32	SIGNING FOR FLAGGING OPERATIONS AT WORK ZONES OPENING (TC-18)

STATE STANDARDS

<u>STANDARD NO.</u>	<u>DESCRIPTION</u>
000001 - 06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
482011 - 03	HMA SHLD. STRIPS/SHLDS. WITH RESURFACING OR WIDENING, AND RESURFACING PROJECTS
642001 - 02	SHOULDER RUMBLE STRIPS
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 > 45 MPH
701426 - 06	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS > 45 MPH
701428	TRAFFIC CONTROL SETUP AND REMOVAL FREEWAY/EXPRESSWAY
720006 - 04	SIGN PANEL ERECTION DETAILS
728001 - 01	TELESCOPING STEEL SIGN SUPPORT
731001 - 01	BASE FOR TELESCOPING STEEL SIGN SUPPORT
701901 - 03	TRAFFIC CONTROL DEVICES

GENERAL NOTES

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 HOUR NOTIFICATION REQUIRED)

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES 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.

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.

WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC, THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1 1/2 INCHES WHERE THE SPEED LIMIT IS 45 MPH OR LESS, AND 1 INCH WHERE THE SPEED LIMIT IS 45 MPH. WITH WRITTEN APPROVAL FROM THE RESIDENT ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM OF 1:3 (V:H).

BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) IN ACCORDANCE WITH THE "BUTT JOINT AND HMA TAPER DETAILS" SHEET INCLUDED IN THE PLANS UNLESS OTHERWISE SPECIFIED.

ANY DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT NO ADDITIONAL COST TO THE DEPARTMENT.

DRAINAGE ADJUSTMENT OR RECONSTRUCTION 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 DISTRICT ONE EXPRESSWAY AREA FIELD ENGINEER, AT (847) 705-4153 A MINIMUM OF TWO WEEKS PRIOR TO PLACEMENT OF FINAL PAVEMENT MARKINGS.

THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE EXPRESSWAY TRAFFIC CONTROL SUPERVISOR AT (847) 705-4155, A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

WHEN ARTIFICIAL LIGHTING IS USED IN NIGHT OPERATIONS THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTION IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AND ADJOINING RESIDENTIAL/COMMERCIAL AREAS.

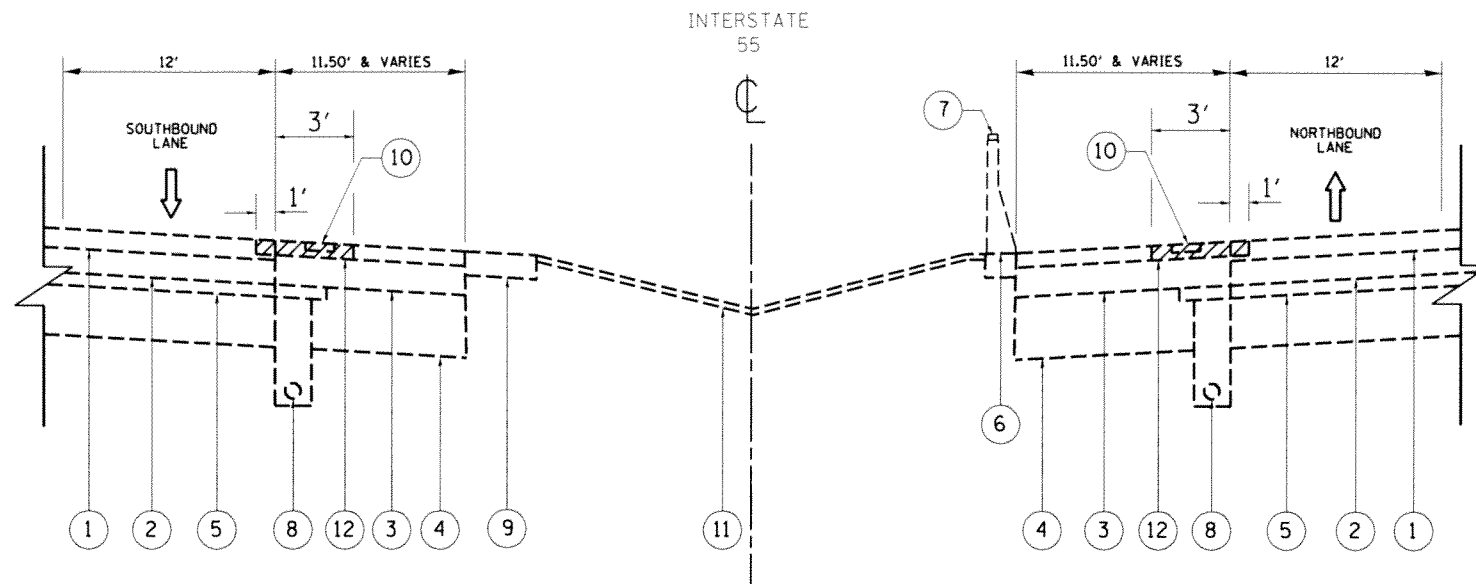
ACTUAL/EXACT LOCATIONS OF BOS SIGNS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.

FILE NAME: c:\pwork\ev\d01\galban\140301088\0125	USER NAME: galbanj	DESIGNED: -	REVISED: -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES				F.A.J. RTE.:	SECTION:	COUNTY:	TOTAL SHEETS:	SHEET NO.:
	214-xt-galbanj.dgn	DRAWN: -	REVISED: -		55	2014-0095G	COOK	32	2				
	PLOT SCALE: 1/8"=1'-0"	CHECKED: -	REVISED: -		SCALE: SHEET NO. OF SHEETS STA. TO STA.				CONTRACT NO. 60X90				
	PLOT DATE: 3/19/2014	DATE: -	REVISED: -		ILLINOIS FED. AID PROJECT								

LEGEND:

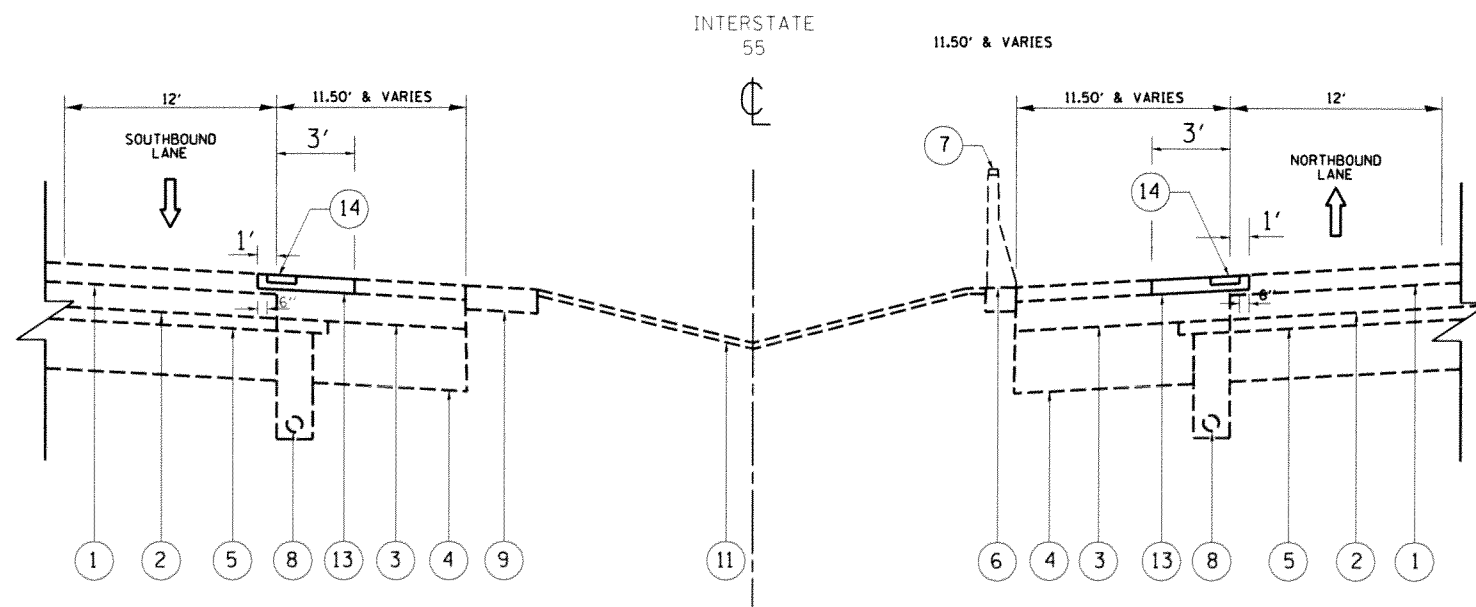
- ① EXIST. HMA SURFACE COURSE, ±5"
- ② EXIST. PCC PAVEMENT, 10"
- ③ EXIST. HMA SHOULDER
- ④ EXIST. AGGREGATE SUBGRADE, 12"
- ⑤ EXIST. GRANULAR SUB-BASE
- ⑥ EXIST. BARRIER WALL
- ⑦ EXIST. BARRIER WALL REFLECTORS, TYPE B
- ⑧ EXIST. PIPE UNDERDRAIN, 6"
- ⑨ EXIST. AGGREGATE SHOULDER
- ⑩ EXIST. RUMBLE STRIP
- ⑪ EXIST. MEDIAN DITCH GRADE
- ⑫ PROP. HMA SURFACE REMOVAL, 2"
- ⑬ PROP. HMA SURFACE COURSE, MIX "D", N70, 2"
- ⑭ PROP. RUMBLE STRIPS



EXISTING TYPICAL SECTION
 STA. 1325+75 TO STA. 1345+30 (NORTHBOUND)
 STA. 1326+25 TO STA. 1345+75 (SOUTHBOUND)

NOTE:
 EXISTING GUARDRAIL:
 SOUTHBOUND:
 STA. 1330+00 TO STA. 1333+41
 STA. 1343+89 TO STA. 1348+60
 BRIDGE OMISSION:
 NORTH BOUND:
 STA. 1327+75 TO STA. 1329+84
 STA. 1342+09 TO STA. 1343+72
 SOUTH BOUND:
 STA. 1327+96 TO STA. 1330+00
 STA. 1342+24 TO STA. 1343+89

NOTES:



PROPOSED TYPICAL SECTION
 STA. 1325+75 TO STA. 1345+30 (NORTHBOUND)
 STA. 1326+25 TO STA. 1345+75 (SOUTHBOUND)

NOTE:
 PROP. RUMBLE STRIPS:
 NORTHBOUND:
 STA. 1325+75 TO STA. 1327+75
 STA. 1329+84 TO STA. 1342+09
 STA. 1343+72 TO STA. 1345+30
 SOUTHBOUND:
 STA. 1326+25 TO STA. 1327+96
 STA. 1330+00 TO STA. 1342+24
 STA. 1343+89 TO STA. 1345+75

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		QUALITY MANAGEMENT PROGRAM (QMP)
MIXTURE TYPE	AIR VIDS @ NDES	
SHOULDER RESURFACING		
HMA SURFACE COURSE MIX "D", N70, (IL 9.5MM), 2"	4% @ 70	QC/QA
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA)		

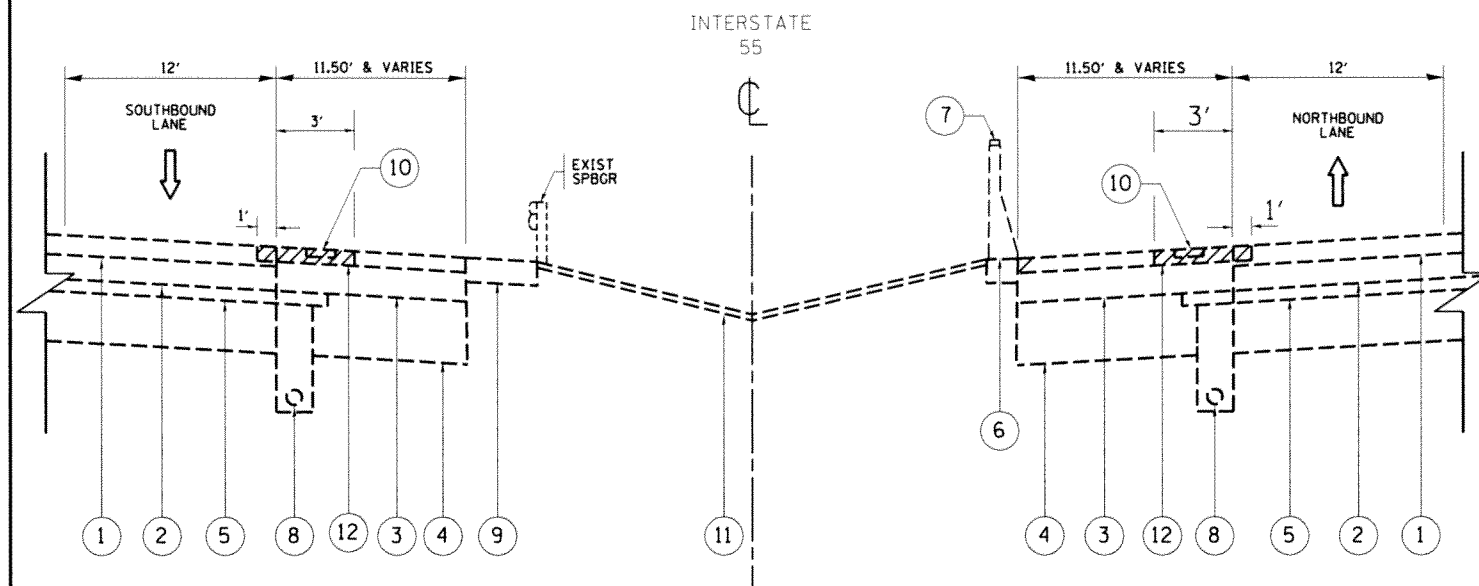
THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT QUANTITIES IS 112 LBS./SQ. YD./ IN.

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 DISTRICT ONE SPECIAL PROVISIONS. FOR USE OF RECYCLED MATERIALS SEE DISTRICT ONE SPECIAL PROVISIONS.

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

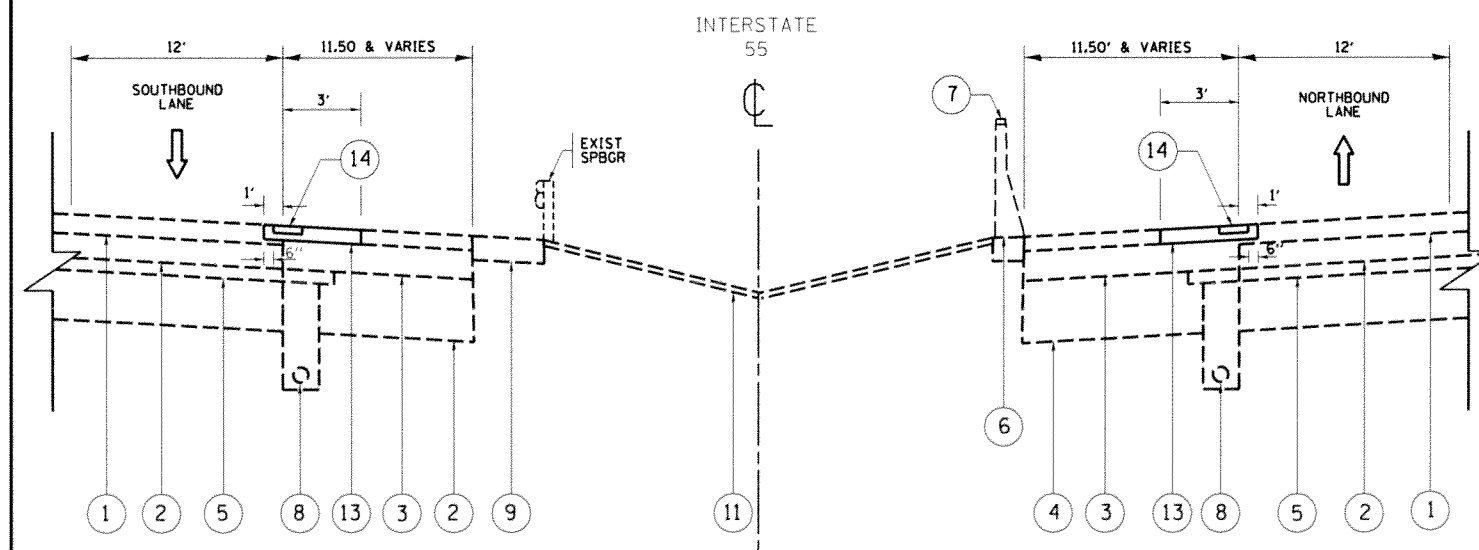
LEGEND:

- ① EXIST. HMA SURFACE COURSE, ±5"
- ② EXIST. PCC PAVEMENT, 10"
- ③ EXIST. HMA SHOULDER
- ④ EXIST. AGGREGATE SUBGRADE, 12"
- ⑤ EXIST. GRANULAR SUB-BASE
- ⑥ EXIST. BARRIER WALL
- ⑦ EXIST. BARRIER WALL REFLECTORS, TYPE B
- ⑧ EXIST. PIPE UNDERDRAIN, 6"
- ⑨ EXIST. AGGREGATE SHOULDER
- ⑩ EXIST. RUMBLE STRIP
- ⑪ EXIST. MEDIAN DITCH GRADE
- ⑫ PROP. HMA SURFACE REMOVAL, 2"
- ⑬ PROP. HMA SURFACE COURSE, MIX "D", N70, 2"
- ⑭ PROP. RUMBLE STRIPS

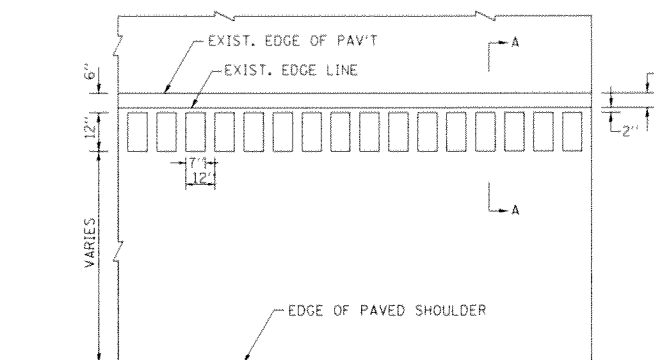


EXISTING TYPICAL SECTION
 IL 50 (CICERO AVE TO STA. 1325+75
 BRC RAILROAD BRIDGE TO STA. 1345+75

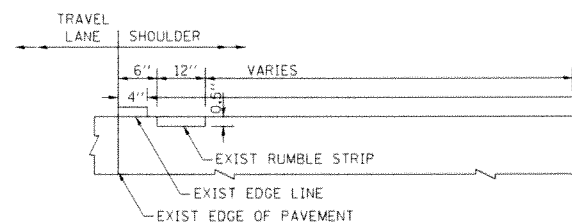
NOTE:
 EXISTING GUARDRAIL:
 SOUTHBOUND:
 STA. 1330+00 TO STA. 1333+41
 STA. 1343+89 TO STA. 1348+60
 BRIDGE OMISSION:
 NORTH BOUND:
 STA. 1327+75 TO STA. 1329+84
 STA. 1342+09 TO STA. 1343+72
 SOUTH BOUND:
 STA. 1327+96 TO STA. 1330+00
 STA. 1342+24 TO STA. 1343+89



PROPOSED TYPICAL SECTION
 IL 50 (CICERO AVE) TO STA. 1325+75
 BRC RAILROAD BRIDGE TO STA. 1345+75



PLAN VIEW



SECTION A-A

EXISTING CONDITION
SHOULDER RUMBLE STRIP REMOVAL
AND RELOCATION DETAILS

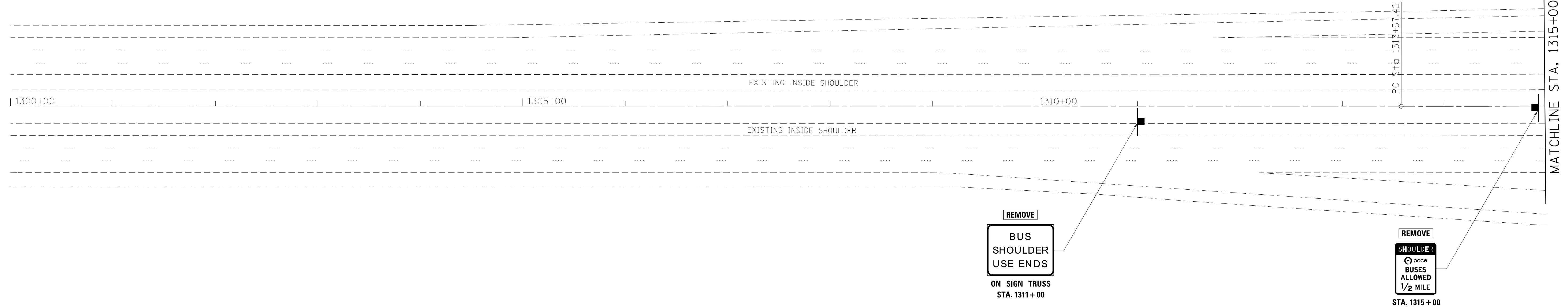
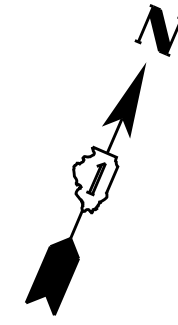
NOTE:
 PROP. RUMBLE STRIPS:
 NORTHBOUND:
 STA. 1325+75 TO STA. 1327+75
 STA. 1329+84 TO STA. 1342+09
 STA. 1343+72 TO STA. 1345+30
 SOUTHBOUND:
 STA. 1326+25 TO STA. 1327+96
 STA. 1330+00 TO STA. 1342+24
 STA. 1343+89 TO STA. 1345+75

NOTES:

SIZE AND DIMENSION OF PROPOSED RUMBLE STRIPS SHALL BE DETERMINED OR AS DIRECTED BY THE ENGINEER.

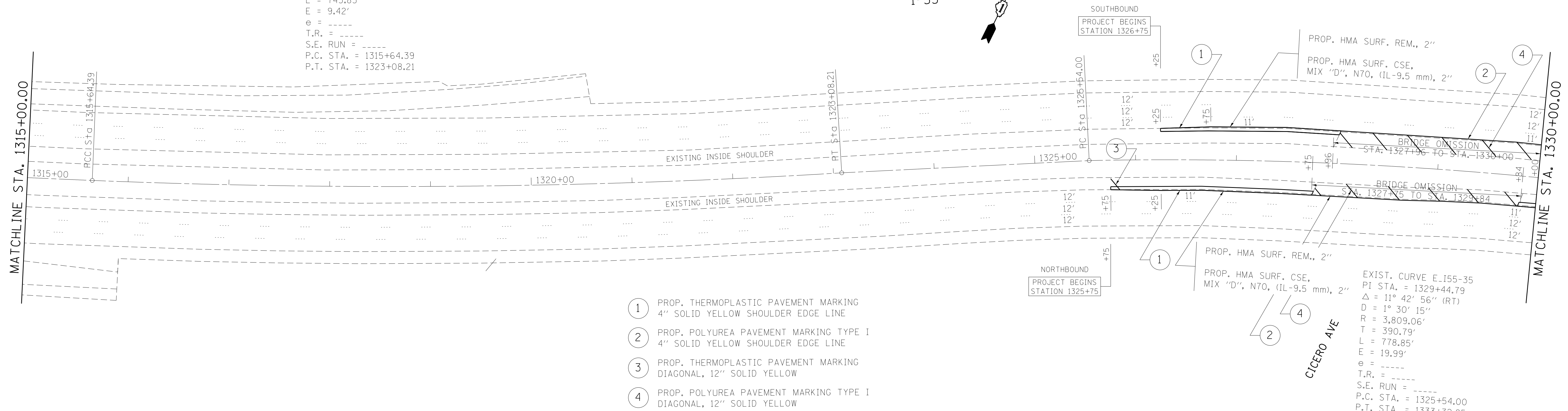
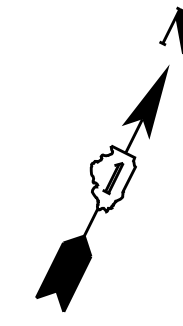
EXIST. CURVE E_155-33
 PI STA. = 1314+60.91
 $\Delta = 1^\circ 10' 28''$ (LT)
 $D = 0^\circ 34' 03''$
 $R = 10,097.80'$
 $T = 103.49'$
 $L = 206.97'$
 $E = 0.53'$
 $e = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. RUN = \text{-----}$
 $P.C. STA. = 1313+57.42$
 $P.T. STA. = 1315+64.39$

I-55



EXIST. CURVE E_155-34
 PI STA. = 1319+36.62
 $\Delta = 5^\circ 47' 57''$ (LT)
 $D = 0^\circ 46' 47''$
 $R = 7,348.96'$
 $T = 372.23'$
 $L = 743.83'$
 $E = 9.42'$
 $e = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. RUN = \text{-----}$
 $P.C. STA. = 1315+64.39$
 $P.T. STA. = 1323+08.21$

I-55



- ① PROP. THERMOPLASTIC PAVEMENT MARKING 4" SOLID YELLOW SHOULDER EDGE LINE
- ② PROP. POLYUREA PAVEMENT MARKING TYPE I 4" SOLID YELLOW SHOULDER EDGE LINE
- ③ PROP. THERMOPLASTIC PAVEMENT MARKING DIAGONAL, 12" SOLID YELLOW
- ④ PROP. POLYUREA PAVEMENT MARKING TYPE I DIAGONAL, 12" SOLID YELLOW

EXIST. CURVE E_155-35
 PI STA. = 1329+44.79
 $\Delta = 11^\circ 42' 56''$ (RT)
 $D = 1^\circ 30' 15''$
 $R = 3,809.06'$
 $T = 390.79'$
 $L = 778.85'$
 $E = 19.99'$
 $e = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. RUN = \text{-----}$
 $P.C. STA. = 1325+54.00$
 $P.T. STA. = 1333+32.85$

FILE NAME = c:\pwwork\pwwork\dot\leysa\d0381808\125214	USER NAME = leysa	DESIGNED -	REVISED -
	sh1-p1en.dgn	DRAWN -	REVISED -
	PLOT SCALE = 50.0000' / 1" IN.	CHECKED -	REVISED -
Default	PLOT DATE = 3/3/2014	DATE -	REVISED -

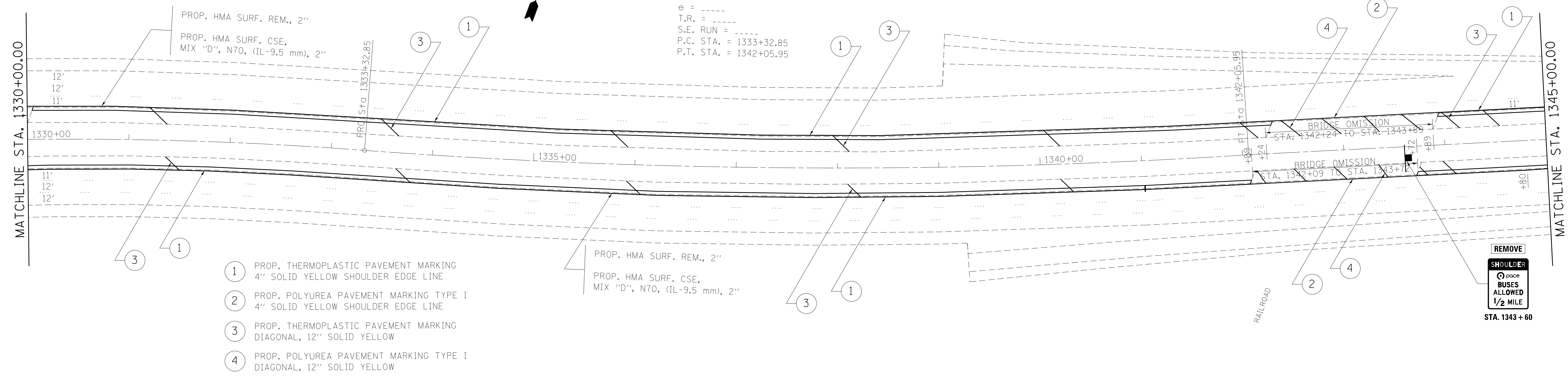
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY AND PAVEMENT MARKING PLANS
 INTERSTATE 55: IL 50 (CICERO AVE) TO I-90/94**

SCALE: 1" = 50' SHEET OF SHEETS STA. 1300+00.00 TO STA. 1330+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2014-0095G	COOK	32	6
CONTRACT NO. 60X90			ILLINOIS FED. AID PROJECT	

EXIST. CURVE E_155-36
 PI STA. = 1337+70.10
 $\Delta = 7^\circ 57' 03''$ (LT)
 $D = 0^\circ 54' 38''$
 $R = 6,291.90'$
 $T = 437.25'$
 $L = 873.10'$
 $E = 15.18'$
 $e = \text{---}$
 $T.R. = \text{---}$
 $S.E. \text{ RUN} = \text{---}$
 $P.C. \text{ STA.} = 1333+32.85$
 $P.T. \text{ STA.} = 1342+05.95$



- ① PROP. THERMOPLASTIC PAVEMENT MARKING
4" SOLID YELLOW SHOULDER EDGE LINE
- ② PROP. POLYUREA PAVEMENT MARKING TYPE I
4" SOLID YELLOW SHOULDER EDGE LINE
- ③ PROP. THERMOPLASTIC PAVEMENT MARKING
DIAGONAL, 12" SOLID YELLOW
- ④ PROP. POLYUREA PAVEMENT MARKING TYPE I
DIAGONAL, 12" SOLID YELLOW

PROP. HMA SURF. REM., 2"
 PROP. HMA SURF. CSE,
 MIX "D", N70, (IL-9.5 mm), 2"

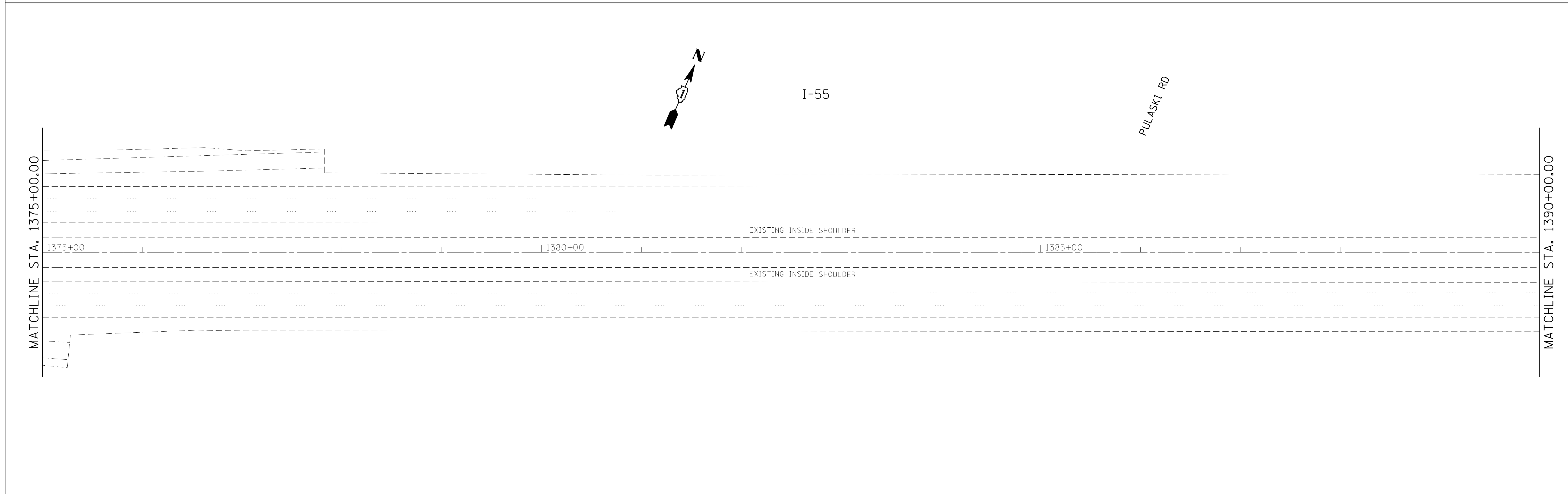
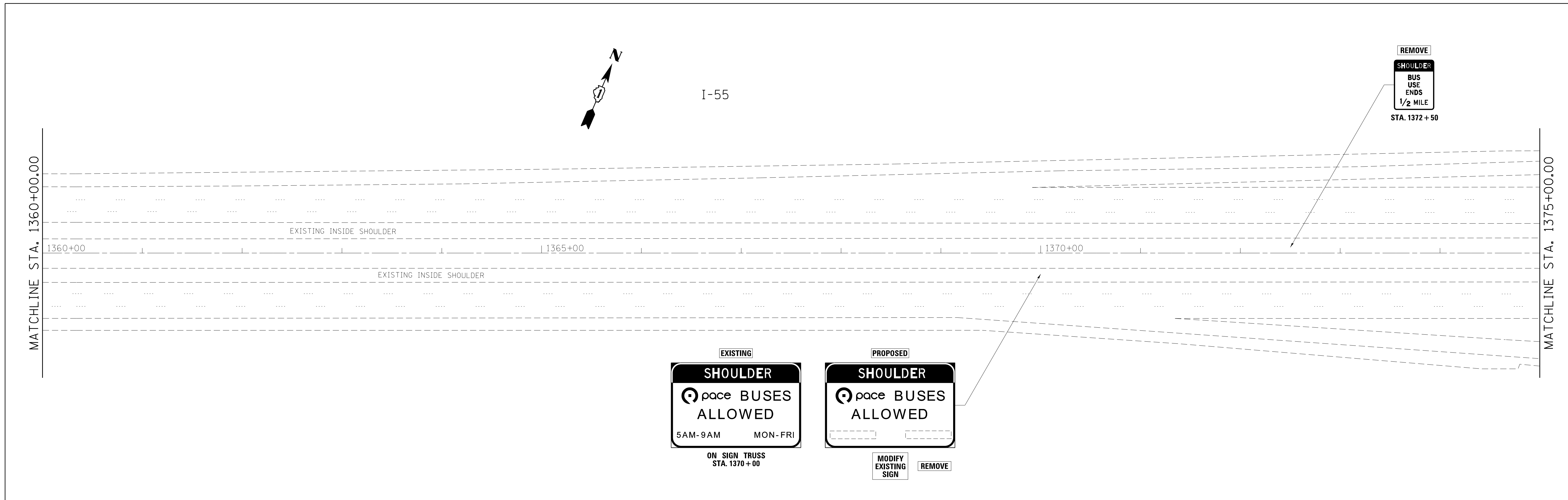
REMOVE
BUS
SHOULDER
USE ENDS
ON SIGN TRUSS
STA. 1345+50



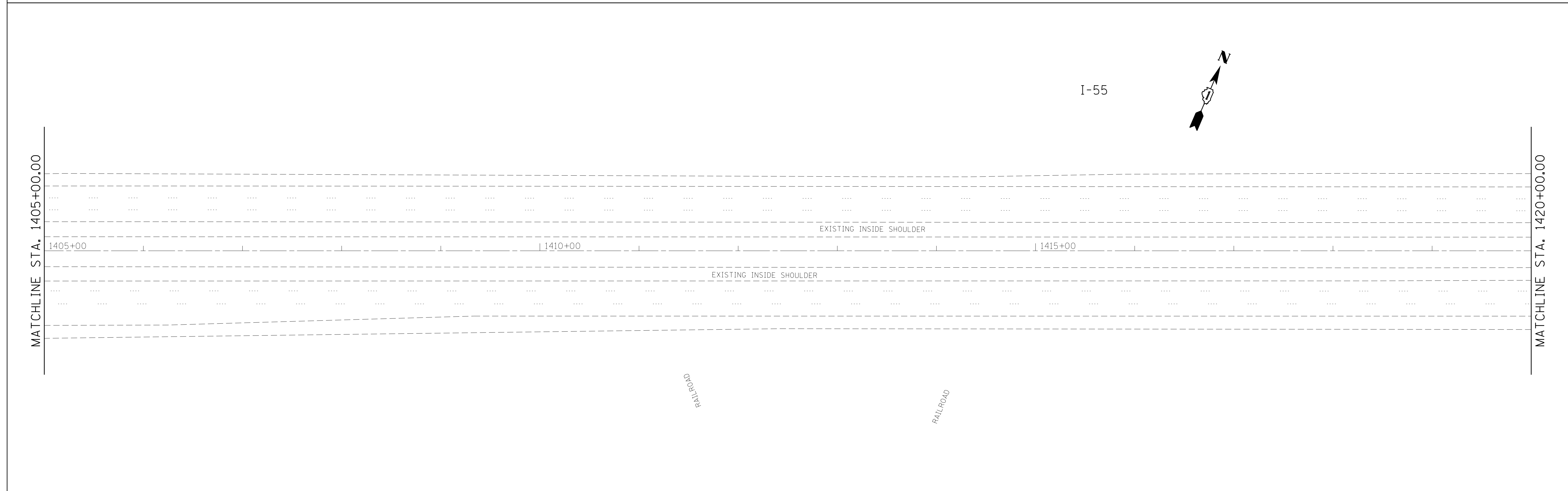
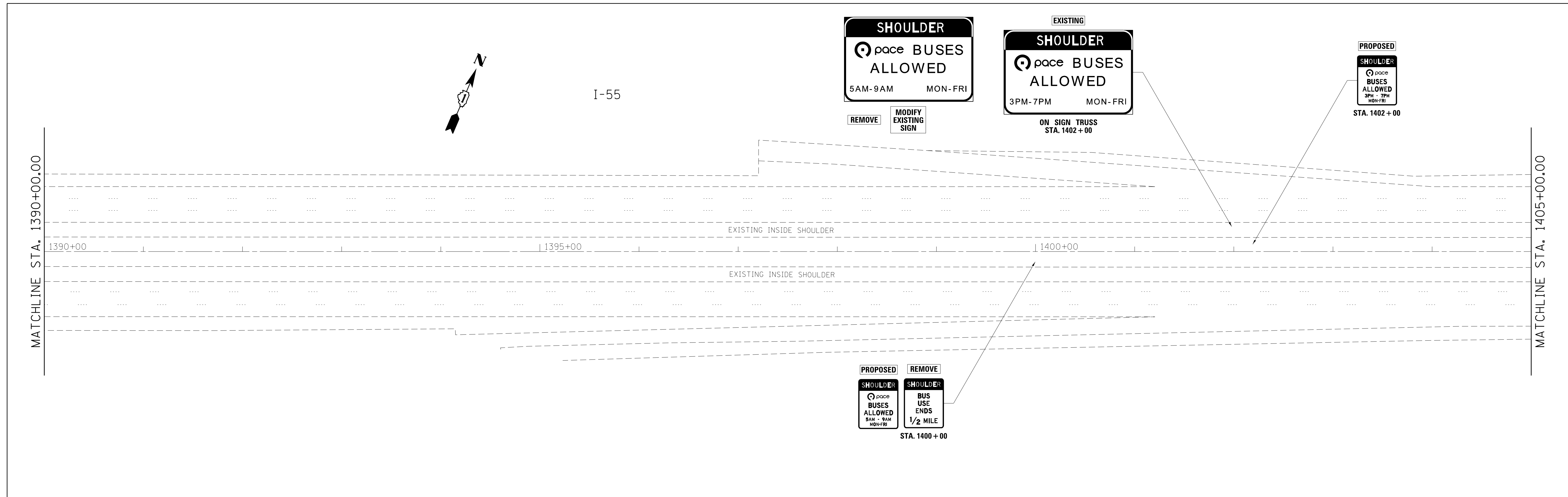
- ① PROP. THERMOPLASTIC PAVEMENT MARKING
4" SOLID YELLOW SHOULDER EDGE LINE
- ② PROP. POLYUREA PAVEMENT MARKING TYPE I
4" SOLID YELLOW SHOULDER EDGE LINE
- ③ PROP. THERMOPLASTIC PAVEMENT MARKING
DIAGONAL, 12" SOLID YELLOW
- ④ PROP. POLYUREA PAVEMENT MARKING TYPE I
DIAGONAL, 12" SOLID YELLOW

PROP. HMA SURF. REM., 2"
 PROP. HMA SURF. CSE,
 MIX "D", N70, (IL-9.5 mm), 2"

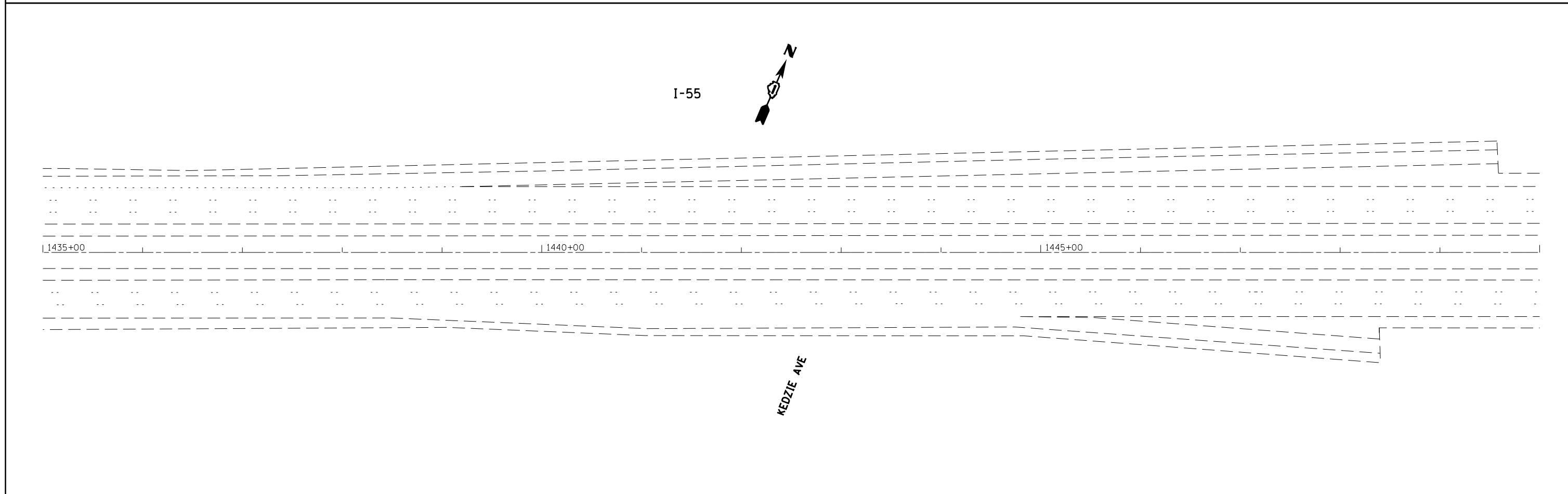
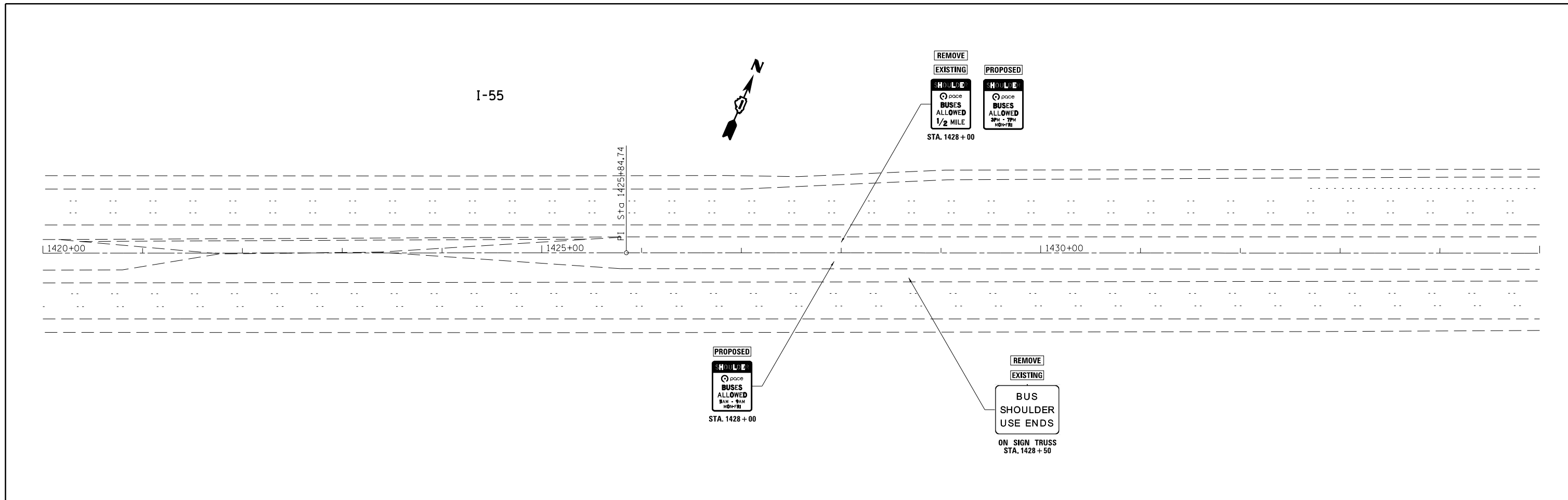
FILE NAME = c:\pwworkspace\p1dot1\eyssa\d0381808\125214	USER NAME = eyssa	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY AND PAVEMENT MARKING PLANS INTERSTATE 55: IL 50 (CICERO AVE) TO I-90/94			F.A.I. RTE. 55	SECTION 2014-0095G	COUNTY COOK	TOTAL SHEETS 32	SHEET NO. 7
Default	sh1-p1en.dgn	DRAWN -	REVISED -		SCALE: 1"= 50'	SHEET	OF	SHEETS	STA. 1330+00.00	TO STA. 1360+00.00	CONTRACT NO. 60X90	
	PLOT SCALE = 50.0000' / in.	CHECKED -	REVISED -								ILLINOIS FED. AID PROJECT	
	PLOT DATE = 3/3/2014	DATE -	REVISED -									



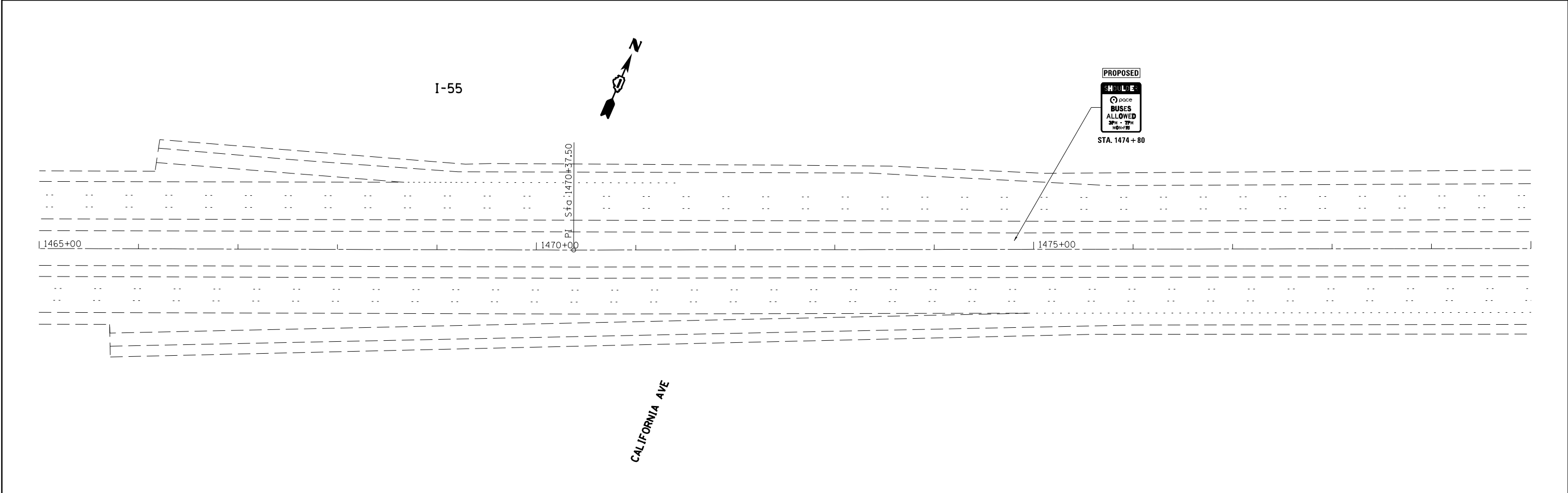
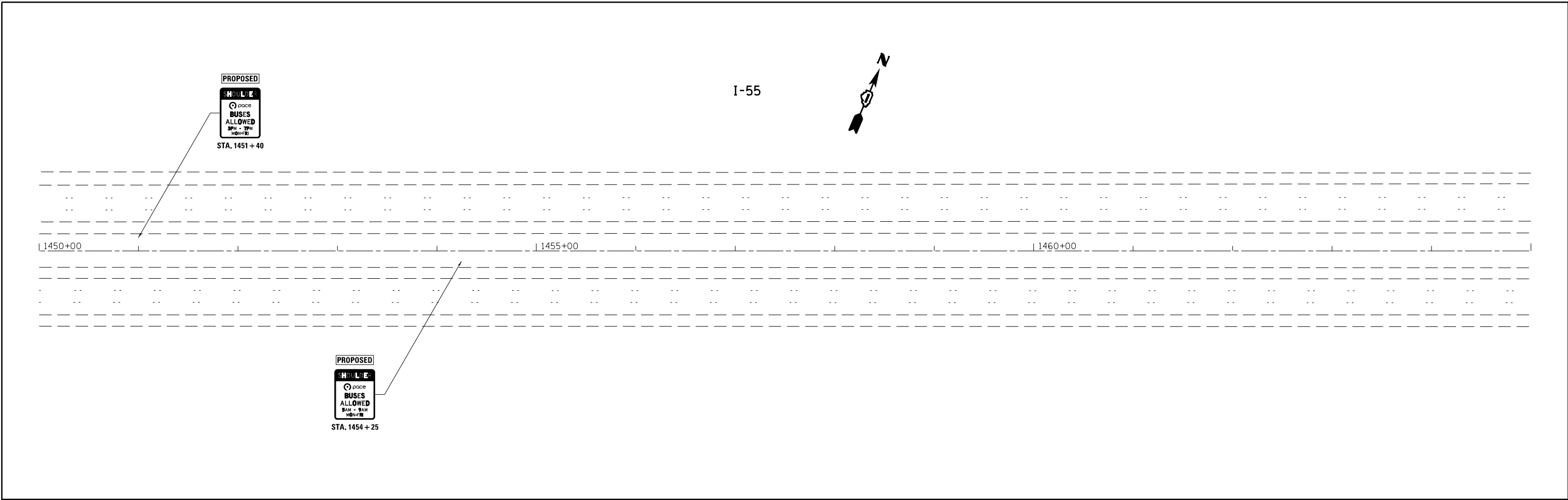
FILE NAME = c:\pwwork\pwwork\leysta\d0381808\125214	USER NAME = leysta sh12plon.dgn	DESIGNED - DRAWN -	REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY AND PAVEMENT MARKING PLANS INTERSTATE 55: IL 50 (CICERO AVE) TO I-90/94	F.A.I. RTE. 55	SECTION 2014-0095G	COUNTY COOK	TOTAL SHEETS 32	SHEET NO. 8	
Default	PLOT SCALE = 50.0000' / 1" in.	CHECKED - DATE -	REVISED - REVISED -			SCALE: 1" = 50'	SHEET OF SHEETS	STA. 1360+00.00 TO STA. 1390+00.00	CONTRACT NO. 60X90		
	PLOT DATE = 3/3/2014					ILLINOIS FED. AID PROJECT					



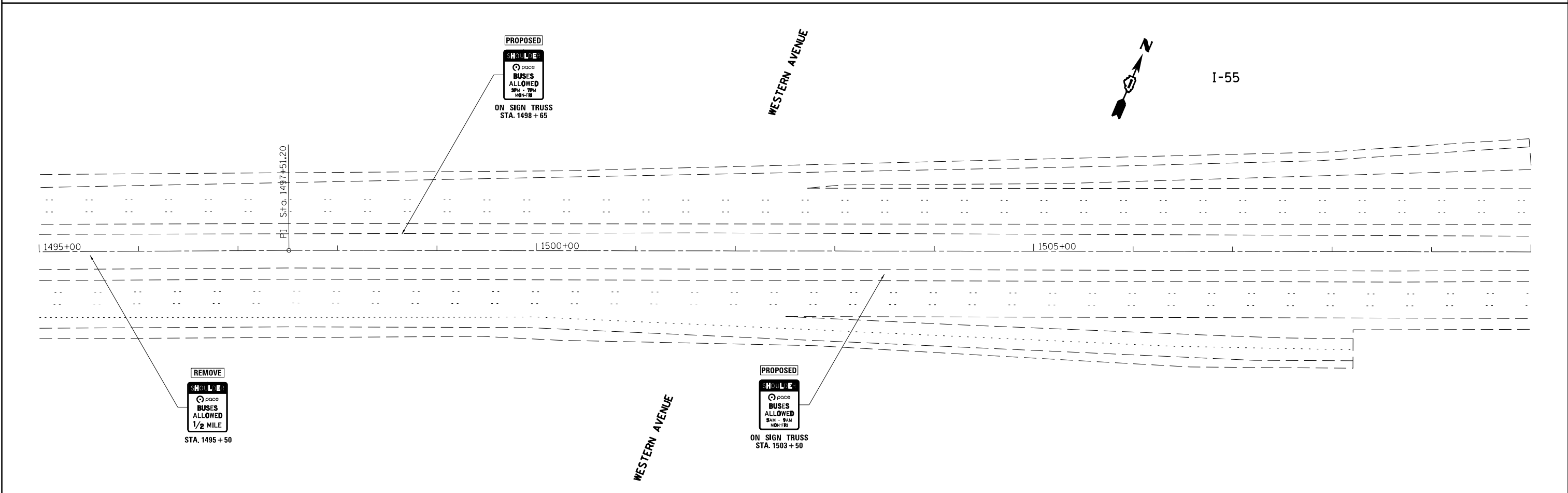
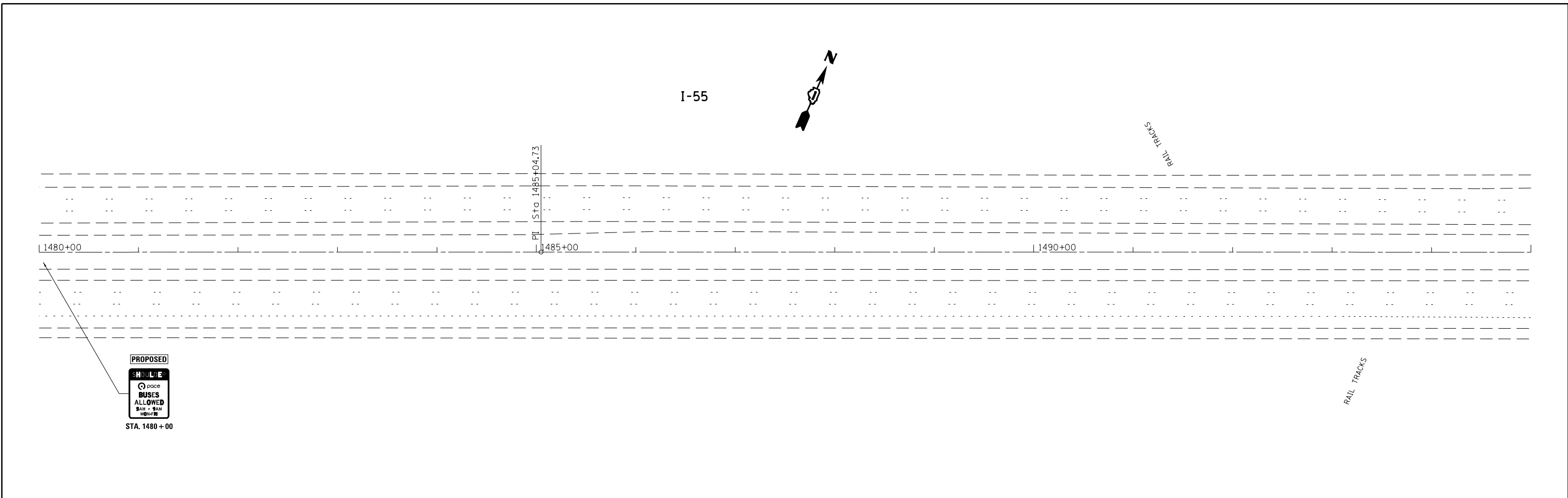
FILE NAME = c:\pwwork\pwwork\leysta\d0381808\125214	USER NAME = leysta	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY AND PAVEMENT MARKING PLANS INTERSTATE 55: IL 50 (CICERO AVE) TO I-90/94	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	Default	sh:tp1on.dgn	DRAWN -			REVISED -	55	2014-0095G	COOK	32
	PLOT SCALE = 50.0000' / 1" in.	CHECKED -	REVISED -		CONTRACT NO. 60X90					
	PLOT DATE = 3/3/2014	DATE -	REVISED -		ILLINOIS FED. AID PROJECT					



FILE NAME = c:\pwork\pwork\leysa\d0381808\0125214	USER NAME = leysa sh-t-plan.dgn	DESIGNED - DRAWN -	REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY AND PAVEMENT MARKING PLANS INTERSTATE 55: IL 50 (CICERO AVE) TO I-90/94			F.A.I. RTE. 55	SECTION 2014-0095G	COUNTY COOK	TOTAL SHEETS 32	SHEET NO. 10
Default	PLOT SCALE = 100.0000' / 1in. PLOT DATE = 2/28/2014	CHECKED - DATE -	REVISED - REVISED -		SCALE: 1" = 50'	SHEET	OF	SHEETS	STA. 1420+00.00	TO STA. 1450+00.00	ILLINOIS FED. AID PROJECT	
CONTRACT NO. 60X90												



FILE NAME =	USER NAME = leysa	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY AND PAVEMENT MARKING PLANS INTERSTATE 55: IL 50 (CICERO AVE) TO I-90/94	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\pwwork\pwwork\leysa\d0381808\125214	sht-plan.dgn	DRAWN -	REVISED -			55	2014-009SG	COOK	32	11	
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 60X90					
	PLOT DATE = 2/28/2014	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

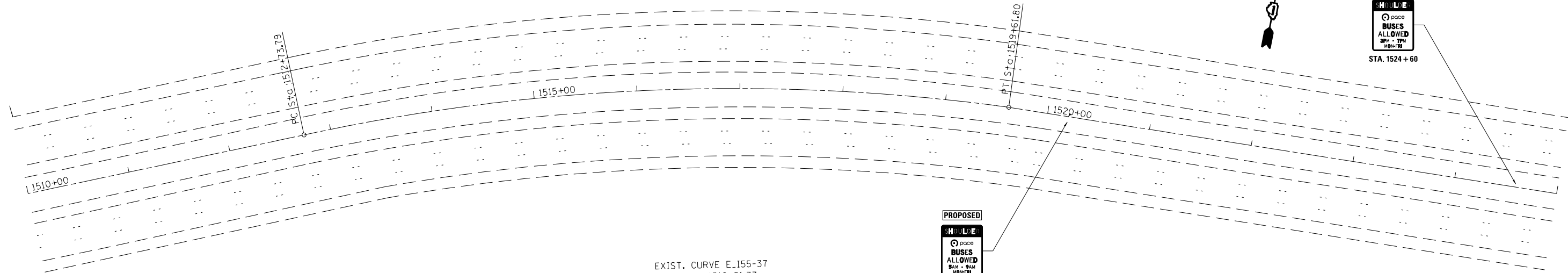


FILE NAME = c:\pw\work\p1dot\leysa\d0381808\125214	USER NAME = leysa sht-plan.dgn	DESIGNED - DRAWN -	REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY AND PAVEMENT MARKING PLANS INTERSTATE 55: IL 50 (CICERO AVE) TO I-90/94	F.A.I. RTE. 55	SECTION 2014-0095G	COUNTY COOK	TOTAL SHEETS 32	SHEET NO. 12	
Default	PLOT SCALE = 100.0000' / in. PLOT DATE = 2/28/2014	CHECKED - DATE -	REVISED - REVISED -			SCALE: 1" = 50'	SHEET OF SHEETS	STA. 1480+00.00 TO STA. 1510+00.00	CONTRACT NO. 60X90		
ILLINOIS FED. AID PROJECT											

I-55



PROPOSED
 HOULE
 BUSES
 ALLOWED
 3PM - 7PM
 MON-FRI
 STA. 1524+60

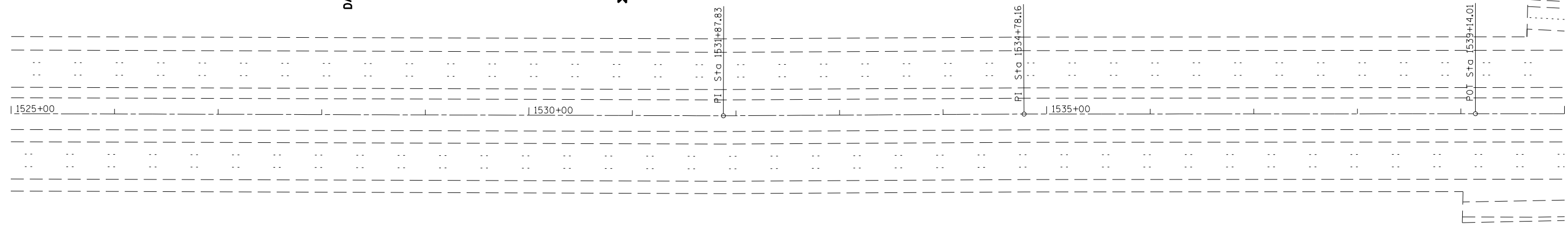


EXIST. CURVE E.155-37
 PI STA. = 1516+21.37
 Δ = 20° 05' 47'' (RT)
 D = 2° 55' 15''
 R = 1,961.57'
 T = 347.58'
 L = 688.02'
 E = 30.56'
 e = ----
 T.R. = ----
 S.E. RUN = ----
 P.C. STA. = 1512+73.79
 P.T. STA. = 1519+61.80

PROPOSED
 HOULE
 BUSES
 ALLOWED
 8AM - 9AM
 MON-FRI
 STA. 1520+20

DAMEN AVE

I-55



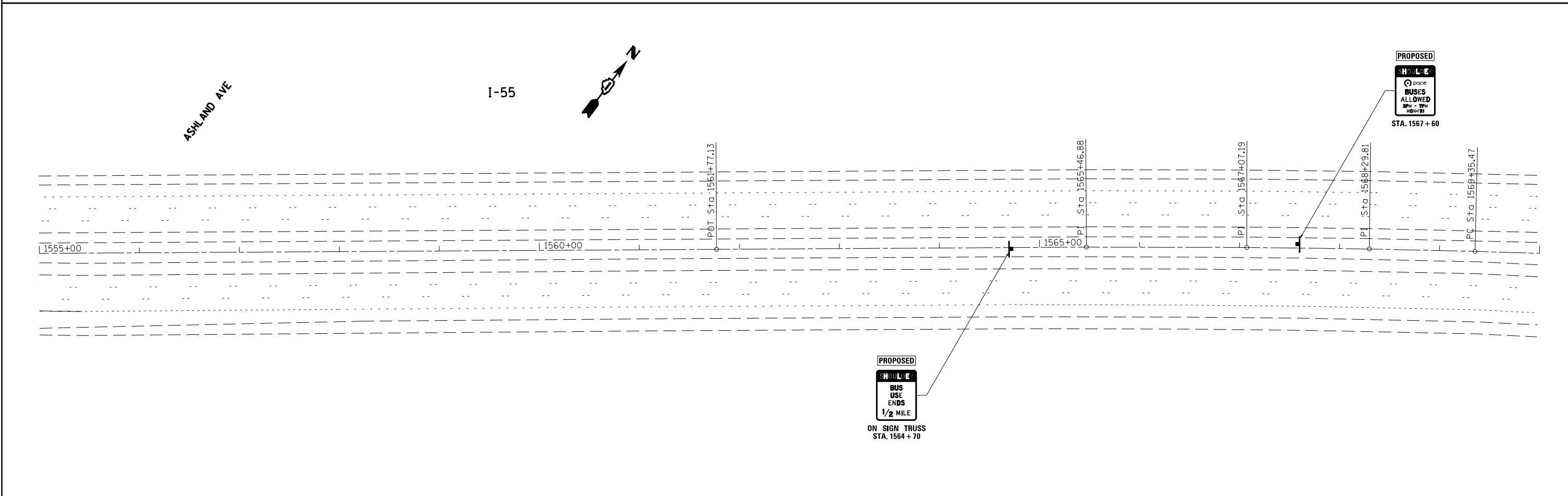
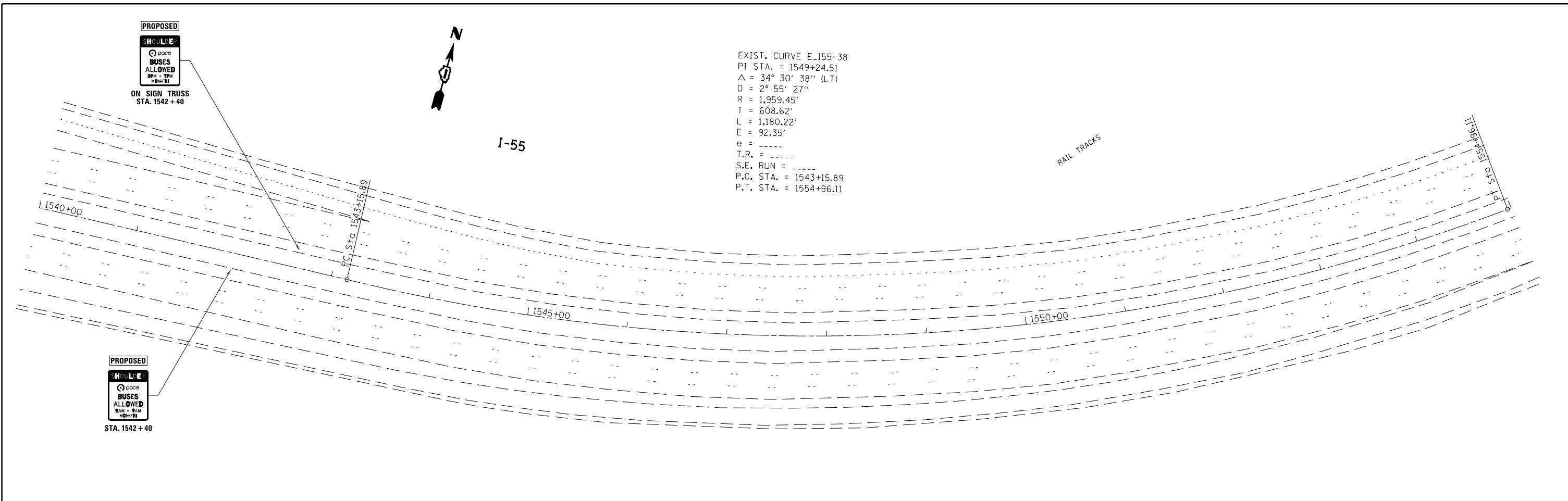
FILE NAME =	USER NAME = leysa	DESIGNED -	REVISED -
Default	Default	DRAWN -	REVISED -
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 2/28/2014	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

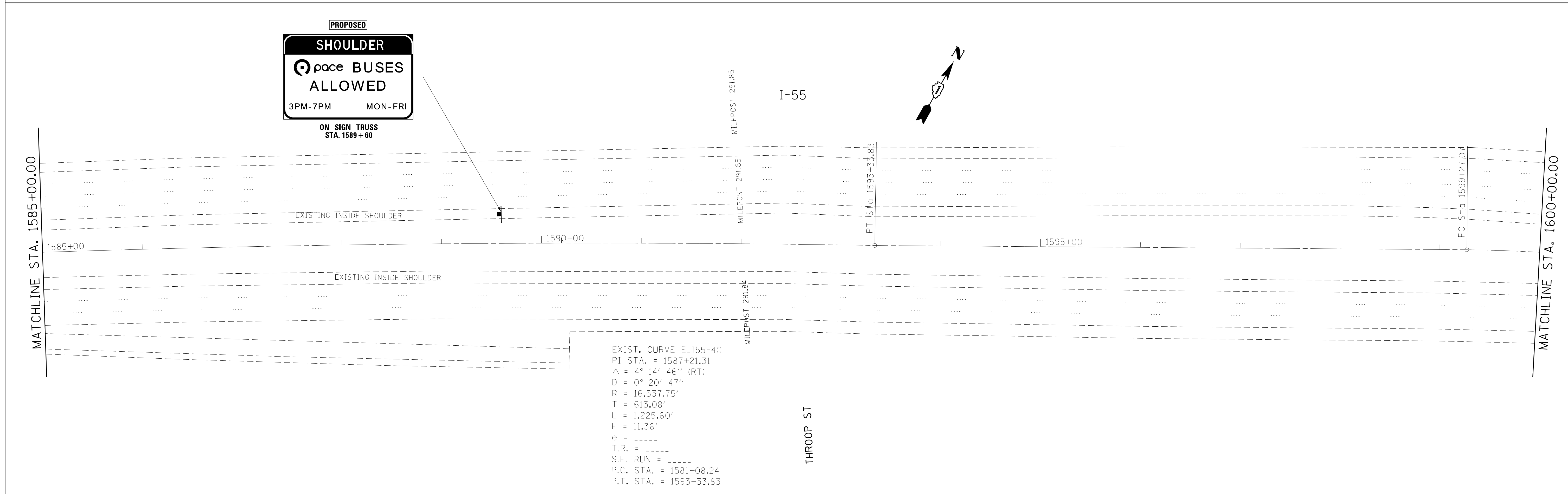
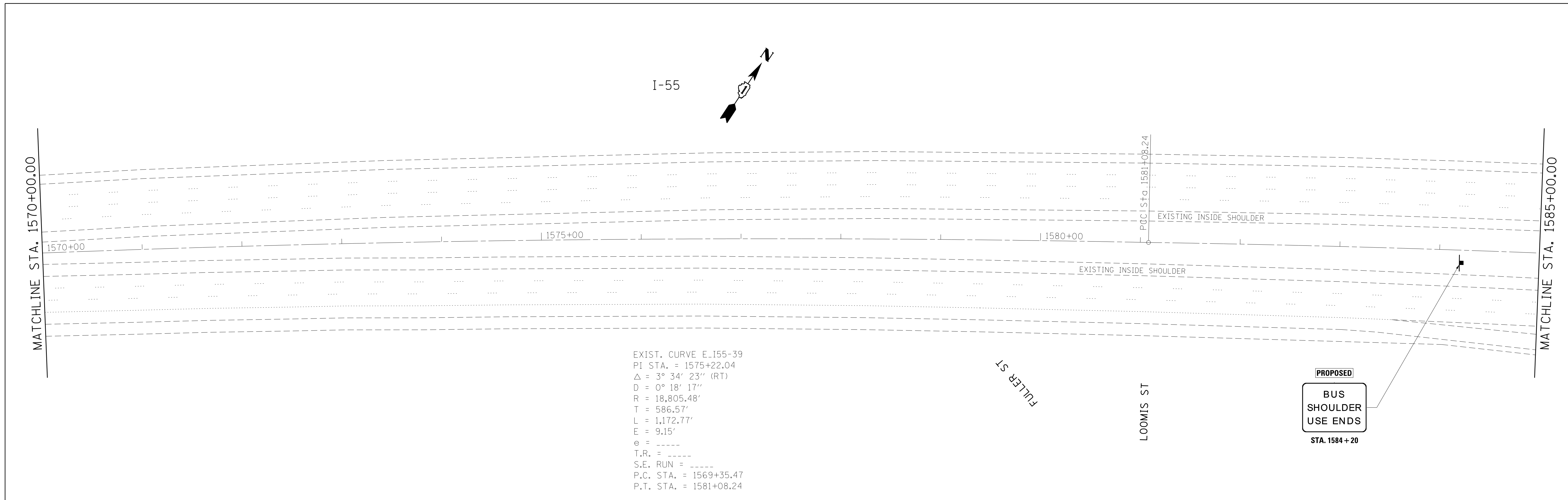
**ROADWAY AND PAVEMENT MARKING PLANS
 INTERSTATE 55: IL 50 (CICERO AVE) TO I-90/94**

SCALE: 1" = 50' SHEET OF SHEETS STA. 1510+00.00 TO STA. 1540+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2014-0095G	COOK	32	13
CONTRACT NO. 60X90			ILLINOIS FED. AID PROJECT	

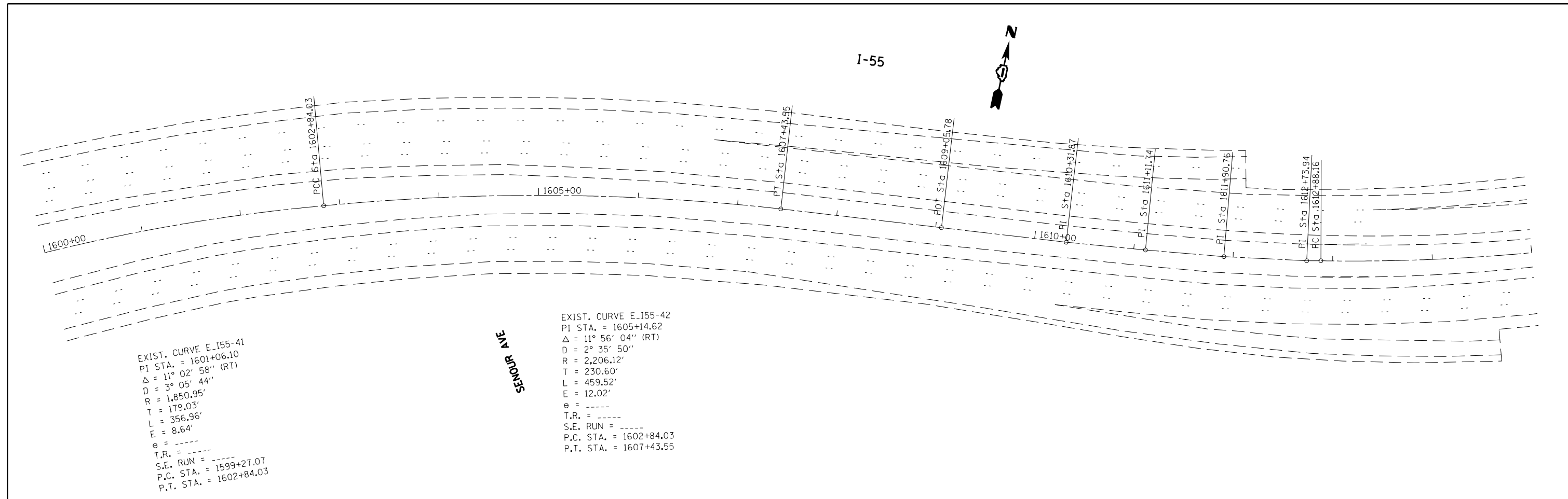


FILE NAME =	USER NAME = leysa	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY AND PAVEMENT MARKING PLANS INTERSTATE 55: IL 50 (CICERO AVE) TO I-90/94	F.A.I. RTE. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	et:\pw\work\p\dot\leysa\d0381808\125214.sht-plan.dgn	DRAWN -	REVISED -			55	2014-0095G	COOK	32	14	
	PLOT SCALE = 100.0000' / 1" =	CHECKED -	REVISED -			CONTRACT NO. 60X90					
	PLOT DATE = 2/28/2014	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					



FILE NAME =	USER NAME = leysa	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY AND PAVEMENT MARKING PLANS INTERSTATE 55: IL 50 (CICERO AVE) TO I-90/94	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ci:\pw_work\pwsdot\leysa\d0381808\125214	sh1-plen.dgn	DRAWN -	REVISED -			55	2014-0095G	COOK	32	15	
Default	PLOT SCALE = 50.0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 60X90					
	PLOT DATE = 3/3/2014	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

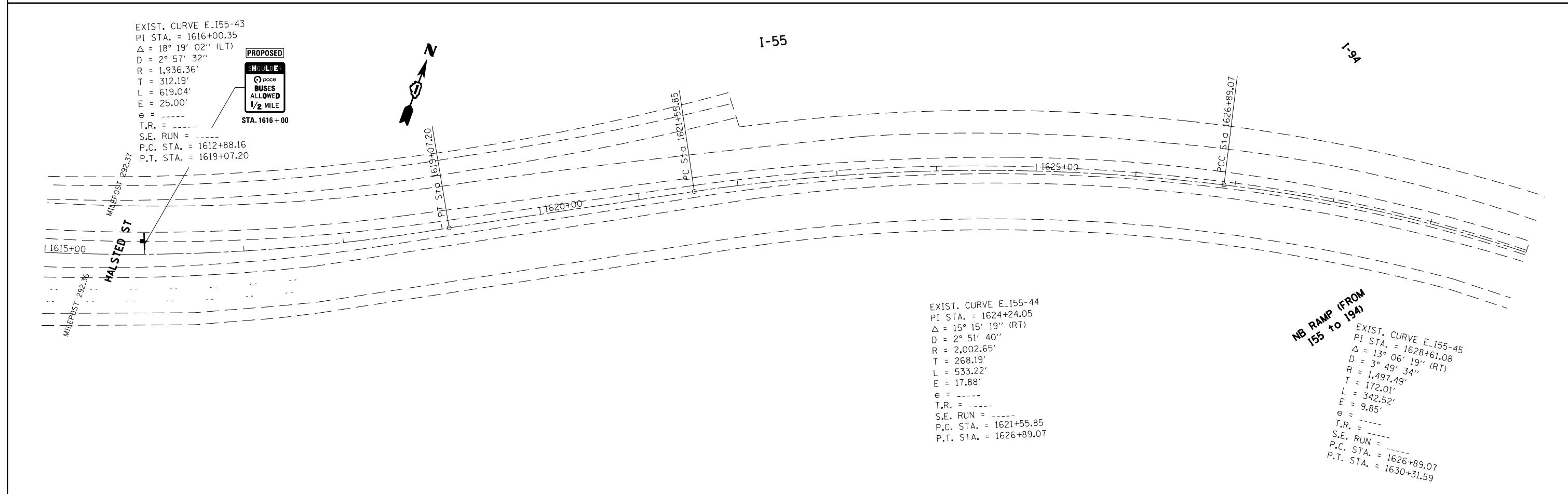
SCALE: 1" = 50' SHEET OF SHEETS STA. 1570+00.00 TO STA. 1600+00.00



EXIST. CURVE E.155-41
 PI STA. = 1601+06.10
 $\Delta = 11^\circ 02' 58''$ (RT)
 $D = 3^\circ 05' 44''$
 $R = 1,850.95'$
 $T = 179.03'$
 $L = 356.96'$
 $E = 8.64'$
 $e = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. \text{ RUN} = \text{-----}$
 $P.C. \text{ STA.} = 1599+27.07$
 $P.T. \text{ STA.} = 1602+84.03$

EXIST. CURVE E.155-42
 PI STA. = 1605+14.62
 $\Delta = 11^\circ 56' 04''$ (RT)
 $D = 2^\circ 35' 50''$
 $R = 2,206.12'$
 $T = 230.60'$
 $L = 459.52'$
 $E = 12.02'$
 $e = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. \text{ RUN} = \text{-----}$
 $P.C. \text{ STA.} = 1602+84.03$
 $P.T. \text{ STA.} = 1607+43.55$

SENGER AVE



EXIST. CURVE E.155-43
 PI STA. = 1616+00.35
 $\Delta = 18^\circ 19' 02''$ (LT)
 $D = 2^\circ 57' 32''$
 $R = 1,936.36'$
 $T = 312.19'$
 $L = 619.04'$
 $E = 25.00'$
 $e = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. \text{ RUN} = \text{-----}$
 $P.C. \text{ STA.} = 1612+88.16$
 $P.T. \text{ STA.} = 1619+07.20$

PROPOSED
 BUSES
 ALLOWED
 1/2 MILE
 STA. 1616+00

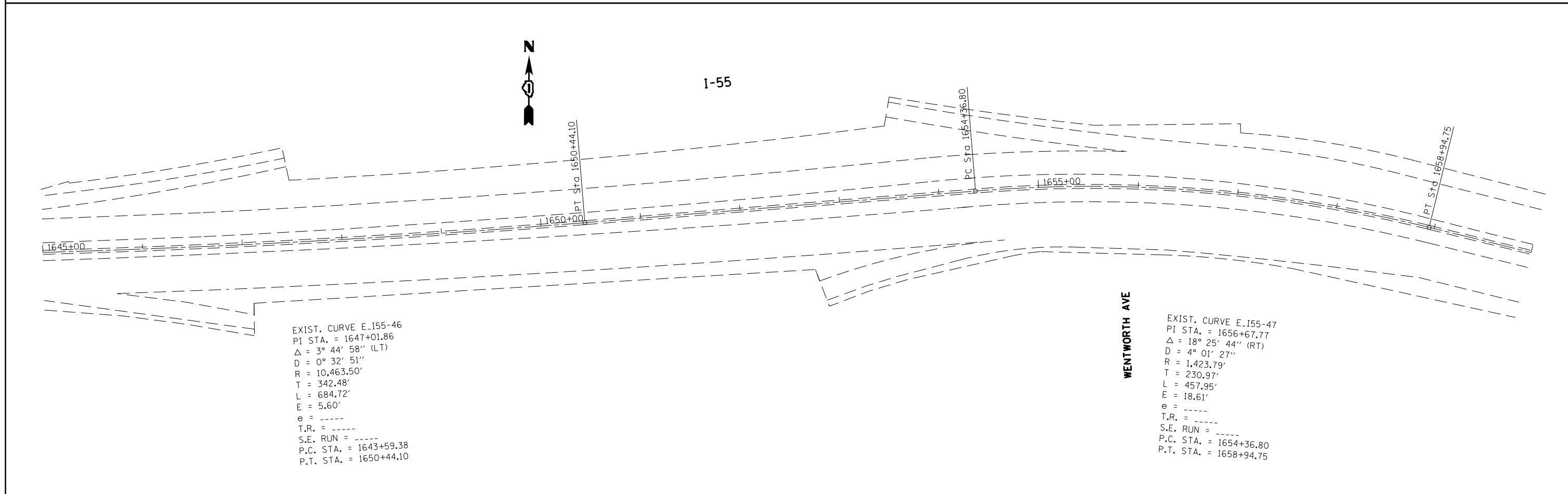
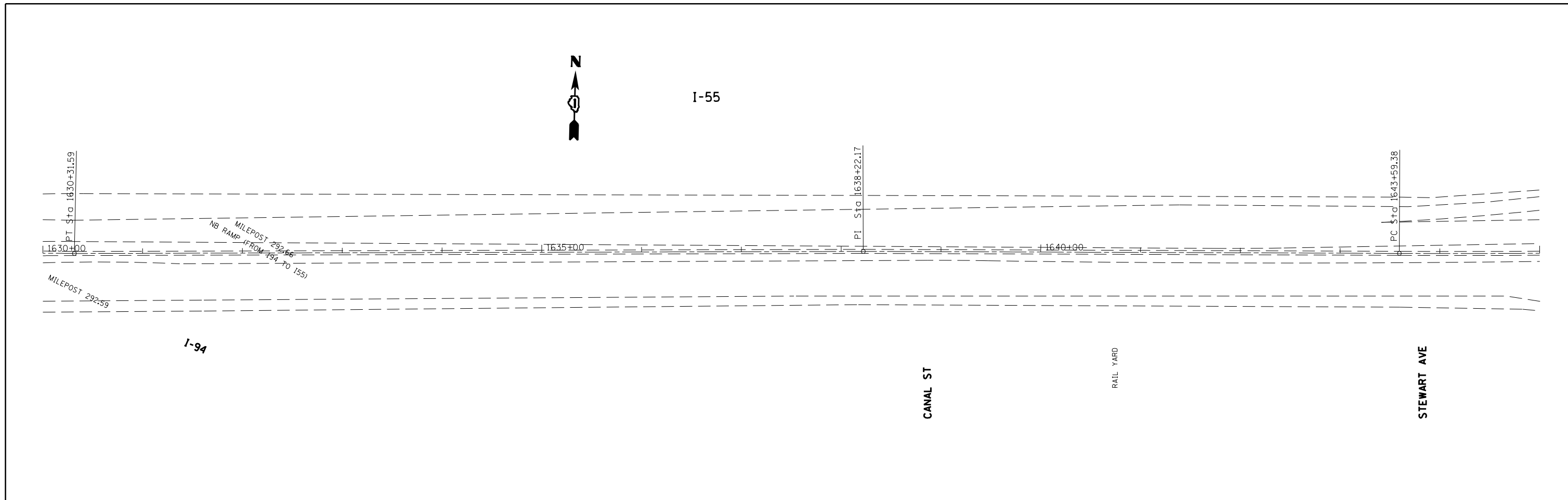
HALSTED ST

NB RAMP (FROM
 I55 to I94)

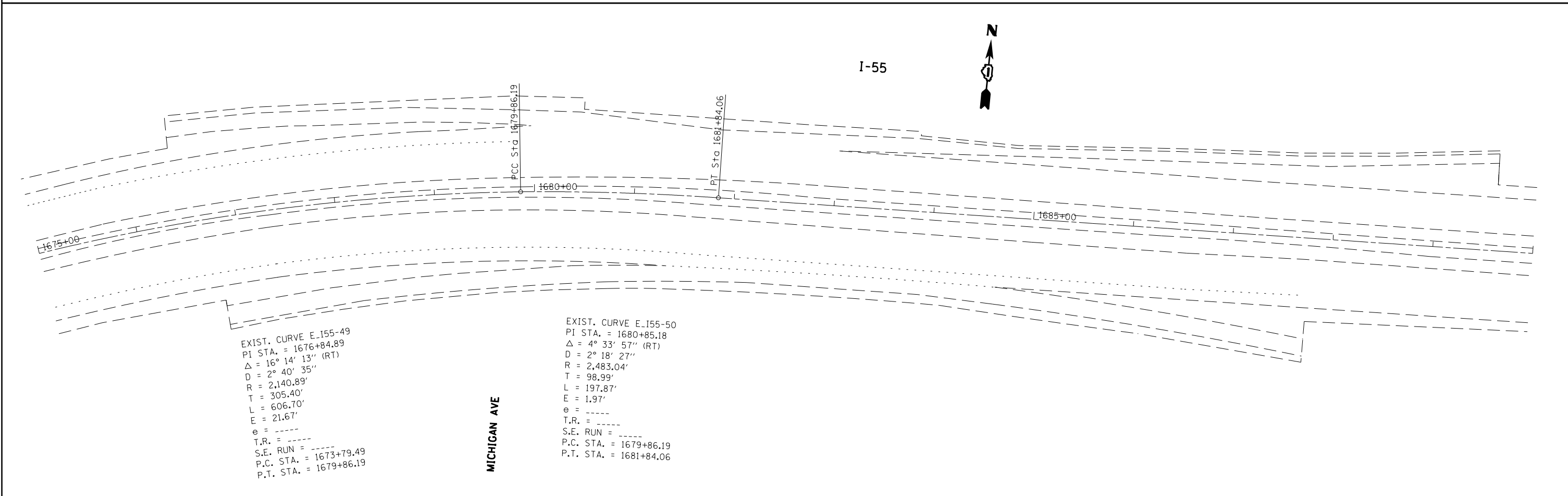
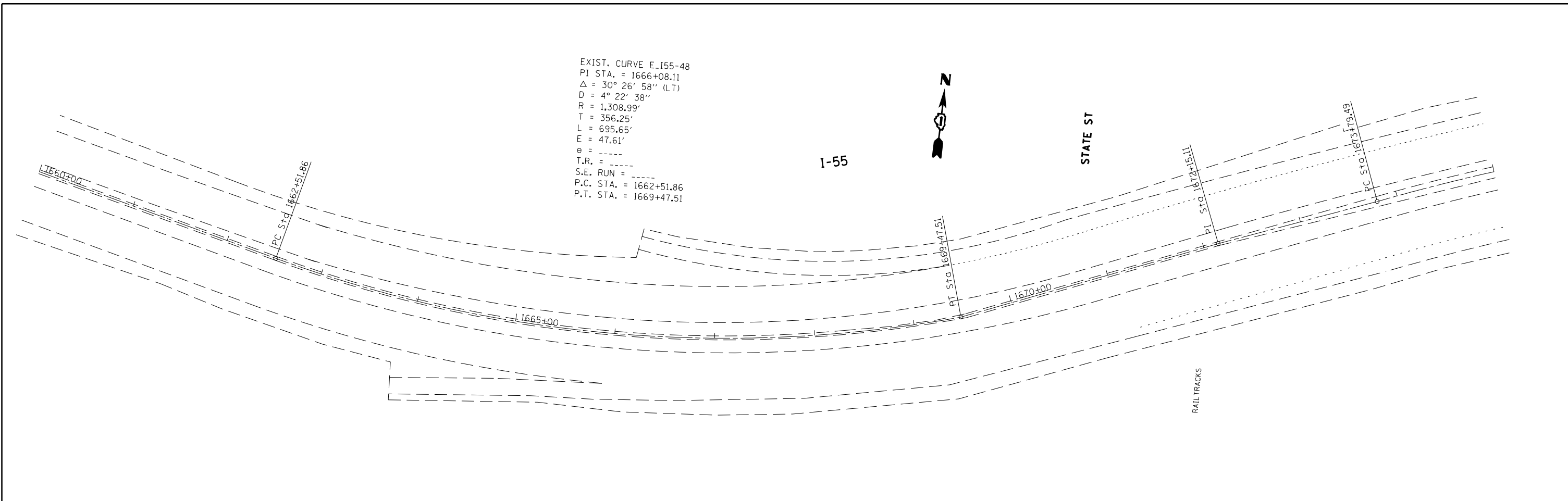
EXIST. CURVE E.155-44
 PI STA. = 1624+24.05
 $\Delta = 15^\circ 15' 19''$ (RT)
 $D = 2^\circ 51' 40''$
 $R = 2,002.65'$
 $T = 268.19'$
 $L = 533.22'$
 $E = 17.88'$
 $e = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. \text{ RUN} = \text{-----}$
 $P.C. \text{ STA.} = 1621+55.85$
 $P.T. \text{ STA.} = 1626+89.07$

EXIST. CURVE E.155-45
 PI STA. = 1628+61.08
 $\Delta = 13^\circ 06' 19''$ (RT)
 $D = 3^\circ 49' 34''$
 $R = 1,497.49'$
 $T = 172.01'$
 $L = 342.52'$
 $E = 9.85'$
 $e = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. \text{ RUN} = \text{-----}$
 $P.C. \text{ STA.} = 1626+89.07$
 $P.T. \text{ STA.} = 1630+31.59$

FILE NAME = c:\pwwork\p1dot\leysa\d0381808\125214	USER NAME = leysa sht-plan.dgn	DESIGNED - DRAWN -	REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY AND PAVEMENT MARKING PLANS INTERSTATE 55: IL 50 (CICERO AVE) TO I-90/94			F.A.I. RTE. 55	SECTION 2014-0095G	COUNTY COOK	TOTAL SHEETS 32	SHEET NO. 16
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		SCALE: 1" = 50'	SHEET	OF	SHEETS	STA. 1600+00.00	TO STA. 1630+00.00	CONTRACT NO. 60X90	
	PLOT DATE = 2/28/2014	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							



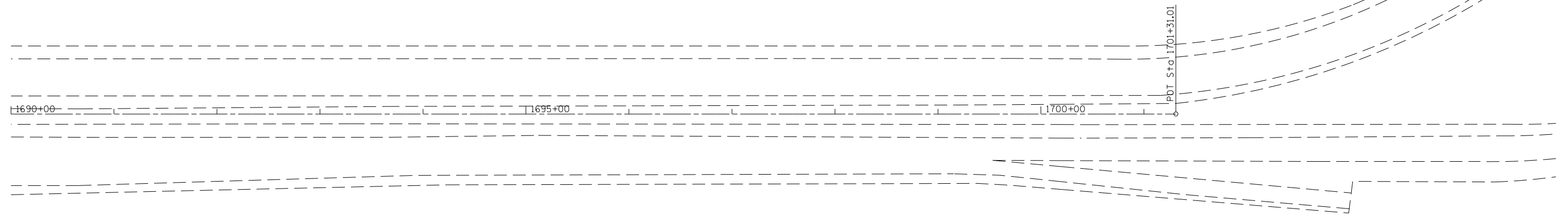
FILE NAME = c:\pwork\pwork\dot\leysa\d0381808\125214	USER NAME = leysa sht-plan.dgn	DESIGNED - DRAWN -	REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY AND PAVEMENT MARKING PLANS INTERSTATE 55: IL 50 (CICERO AVE) TO I-90/94	F.A.I. RTE. = 55	SECTION = 2014-0095G	COUNTY = COOK	TOTAL SHEETS = 32	SHEET NO. = 17		
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			SCALE: 1" = 50'	SHEET OF SHEETS	STA. 1630+00.00 TO STA. 1660+00.00	CONTRACT NO. 60X90			
	PLOT DATE = 2/28/2014	DATE -	REVISED -			ILLINOIS FED. AID PROJECT						



FILE NAME = c:\pwwork\pwwid\leysa\d0381808\125214	USER NAME = leysa sht-plan.dgn	DESIGNED - DRAWN -	REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY AND PAVEMENT MARKING PLANS INTERSTATE 55: IL 50 (CICERO AVE) TO I-90/94		F.A.I. RTE. 55	SECTION 2014-0095G	COUNTY COOK	TOTAL SHEETS 32	SHEET NO. 18		
Default	PLOT SCALE = 100.0000' / in. PLOT DATE = 2/28/2014	CHECKED - DATE -	REVISED - REVISED -				SCALE: 1" = 50'	SHEET OF SHEETS	STA. 1660+00.00 TO STA. 1690+00.00	CONTRACT NO. 60X90			
ILLINOIS FED. AID PROJECT													



I-55



FILE NAME = c:\pw\work\p1dot\leisa\d0381808\0125214	USER NAME = leisa sh-t-plan.dgn	DESIGNED - DRAWN -	REVISED - REVISED -
Default	PLOT SCALE = 100.0000' / in. PLOT DATE = 2/28/2014	CHECKED - DATE -	REVISED - REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

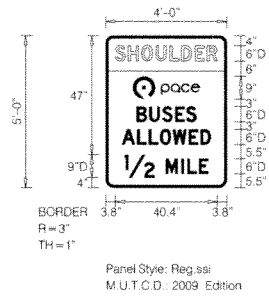
**ROADWAY AND PAVEMENT MARKING PLANS
INTERSTATE 55: IL 50 (CICERO AVE) TO I-90/94**

SCALE: 1" = 50' SHEET OF SHEETS STA. 1690+00.00 TO STA. 1701+31.01

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2014-0095G	COOK	32	19
				CONTRACT NO. 60X90
ILLINOIS FED. AID PROJECT				

SIGN DETAIL

1:75



SIGN NUMBER	name
WIDTH x HGHT.	4'-0" x 5'-0"
BORDER WIDTH	1"
CORNER RADIUS	3"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective
	COLOR: White
LEGEND/BORDER	TYPE: Reflective
	COLOR: Black,White /Black

SYMBOL	ROT	X	Y	WID	HT
	0	10.6	35	26.7	9

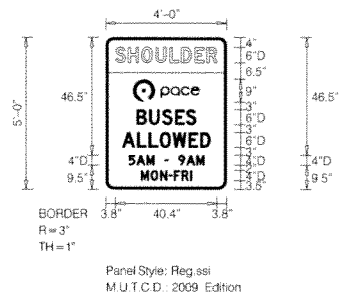
Panel Style: Reg.ssi
 Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)															LENGTH	SERIESSIZE
S	H	O	U	L	D	E	R									D 2000
3.8	8.9	14.3	19.9	25.4	30	35.4	40.2									40.4 6
B	U	S	E	S												D 2000
12.2	17.3	22.4	27.5	31.8												23.7 6
A	L	L	O	W	E	D										D 2000
6.4	12.4	17.1	21.6	26.6	32.8	37.6										35.2 6
12	M	I	L	E												D 2000
7.4	23.8	29.9	32.3	37												33.2 9.6

SIGN DETAIL

1:75



SIGN NUMBER	name
WIDTH x HGHT.	4'-0" x 5'-0"
BORDER WIDTH	1"
CORNER RADIUS	3"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective
	COLOR: White
LEGEND/BORDER	TYPE: Reflective
	COLOR: Black,White /Black

SYMBOL	ROT	X	Y	WID	HT
	0	10.6	34.5	26.8	9

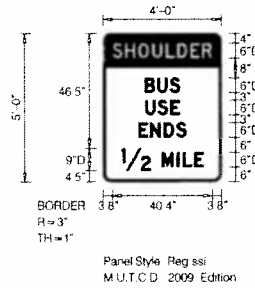
Panel Style: Reg.ssi
 Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)													LENGTH	SERIESSIZE		
S	H	O	U	L	D	E	R								D 2000	
3.8	8.9	14.3	19.9	25.4	30	35.4	40.2								40.4	6
B	U	S	E	S												D 2000
12.2	17.3	22.4	27.5	31.8											23.7	6
A	L	L	O	W	E	D										D 2000
6.5	12.5	17.1	21.6	26.6	32.9	37.6									35.2	6
5	A	M	-	9	A	M										D 2000
9	12.2	16.2	23.4	28.8	32	36									30.1	4
M	O	N	-	F	R	I										D 2000
14	18	21.7	25	27	30.1	33.5									20.2	4

SIGN DETAIL

1:75



Panel Style: Reg.ssi
 Dimensions are in inches tenths

Letter locations are panel edge to lower left corner

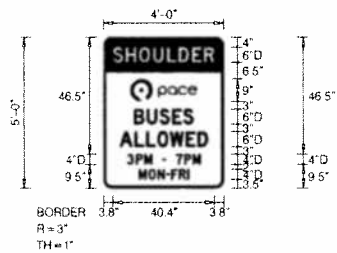
SIGN NUMBER	name
WIDTH x HGHT.	4'-0" x 5'-0"
BORDER WIDTH	1"
CORNER RADIUS	3"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective
	COLOR: White
LEGEND/BORDER	TYPE: Reflective
	COLOR: Black,White /Black

SYMBOL	ROT	X	Y	WID	HT
☉ pace					

LETTER POSITIONS (X)													LENGTH	SERIESIZE	
S	H	O	U	L	D	E	R								D 2000
3.8	8.9	14.3	19.9	25.4	30	35.4	40.2							40.4	6
B	U	S													D 2000
16.9	22	27.1												14.3	6
U	S	E													D 2000
17.1	22.2	27.3												13.9	6
E	N	D	S												D 2000
14.4	19.1	24.7	29.6											19.3	6
1/2	M	I	L	E											D 2000
7.4	23.8	29.9	32.3	37										33.2	9.6

SIGN DETAIL

1:75



Panel Style: Reg.ssi
M.U.T.C.D.: 2009 Edition

Panel Style: Reg.ssi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

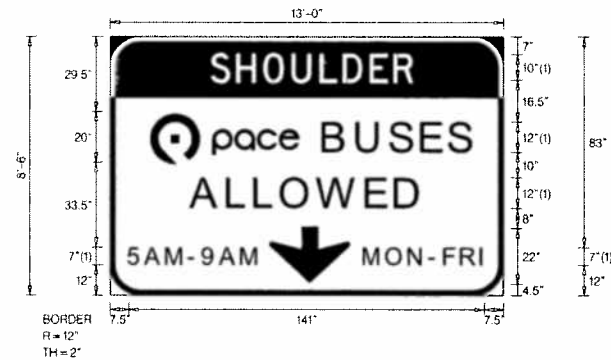
SIGN NUMBER	name
WIDTH x HGHT.	4'-0" x 5'-0"
BORDER WIDTH	1"
CORNER RADIUS	3"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective
	COLOR: White
LEGEND/BORDER	TYPE: Reflective
	COLOR: Black,White /Black

SYMBOL	ROT	X	Y	WID	HT
	0	10.6	34.5	26.8	9

LETTER POSITIONS (X)													LENGTH	SERIES/SIZE		
S	H	O	U	L	D	E	R								D 2000	
3.8	8.9	14.3	19.9	25.4	30	35.4	40.2						40.4	6		
B	U	S	E	S											D 2000	
12.2	17.3	22.4	27.5	31.8									23.7	6		
A	L	L	O	W	E	D									D 2000	
6.5	12.5	17.1	21.6	26.6	32.9	37.6							35.2	6		
3	P	M	-	7	P	M									D 2000	
9.4	13	16.3	23.4	28.8	32.3	35.6							29.4	4		
M	O	N	-	F	R	I									D 2000	
14	18	21.7	25	27	30.1	33.5							20.2	4		

SIGN DETAIL

1:75



BORDER
R = 12"
TH = 2"

FONT:
(1) ClearviewHwy-5-W
Panel Style: REG2.ssi
M.U.T.C.D. 2009 Edition

Panel Style: REG2.ssi
Dimensions are in inches.tenths

Letter locations are paneledge to lower left corner

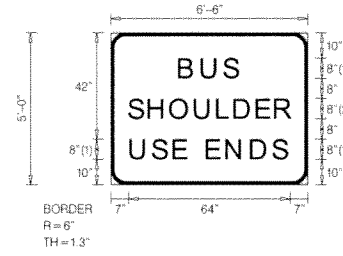
SIGN NUMBER	name
WIDTH x HGHT.	13'-0" x 8'-6"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective
	COLOR: White
LEGEND/BORDER	TYPE: Reflective
	COLOR: Black,White /Black

SYMBOL	ROT	X	Y	WID	HT
⓪ pace	0	12.5	52.5	59.4	20
ARNDOWN	0	62	4.5	32	22

LETTER POSITIONS (X)										LENGTH	SERIESSIZE
S	H	O	U	L	D	E	R				ClearviewHwy-5-W
35.9	46.4	57.7	70.5	82.2	91.3	102.9	112.6			84.1	10
B	U	S	E	S							ClearviewHwy-5-W
85.1	98.4	111.5	124.1	134.9						58.4	12
A	L	L	O	W	E	D					ClearviewHwy-5-W
32.5	47.2	58.1	68.4	82.7	102.1	113.8				90.9	12
5	A	M	-	9	A	M					ClearviewHwy-5-W
7.5	14.1	22.6	31.8	37	43.8	52.4				51.3	7
M	O	N	-	F	R	I					ClearviewHwy-5-W
101	109.9	118.9	127.4	132.9	139.5	147.1				47.5	7

SIGN DETAIL

1:75



FONT:
(1) ClearviewHwy-5-W
(2) ClearviewHwy-5-W-R

Panel Style: REG2.ssi
M.U.T.C.D.: 2009 Edition

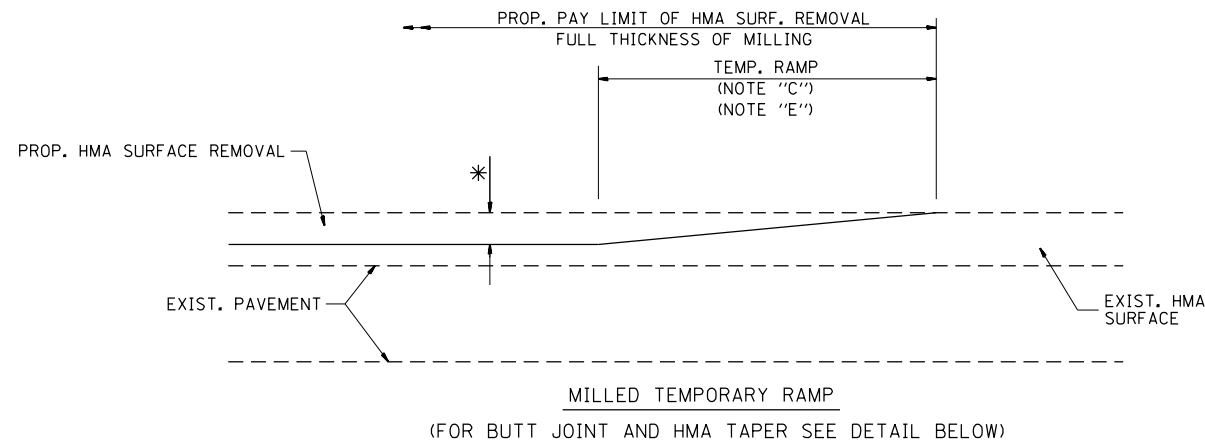
Panel Style: REG2.ssi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

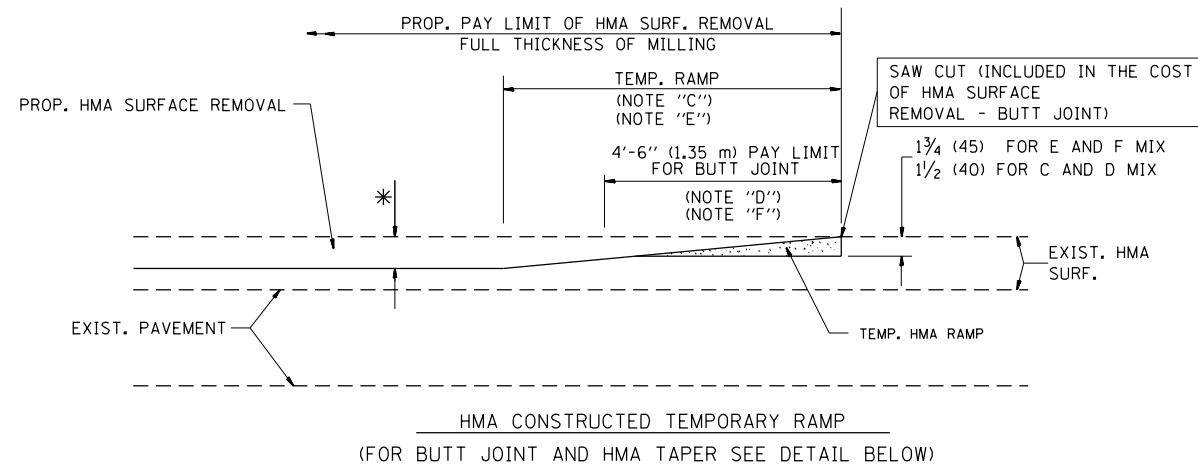
SIGN NUMBER	name
WIDTH x HGHT.	6'-6" x 5'-0"
BORDER WIDTH	1.3"
CORNER RADIUS	6"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective
	COLOR: White
LEGENDBORDER	TYPE: Reflective
	COLOR: Black / Black

SYMBOL	ROT	X	Y	WID	HT

LETTER POSITIONS (X)													LENGTH	SERIESSIZE	
B	U	S													ClearviewHwy-5-W
27.3	36.2	44.9													23.4 8
S	H	O	U	L	D	E	R								ClearviewHwy-5-W-R
7	14.9	23.4	33.2	42.1	48.9	57.7	65								64 8
U	S	E	E	N	D	S									ClearviewHwy-5-W
7.9	16.7	25.1	38.1	45.9	55.7	64.3									62.2 8

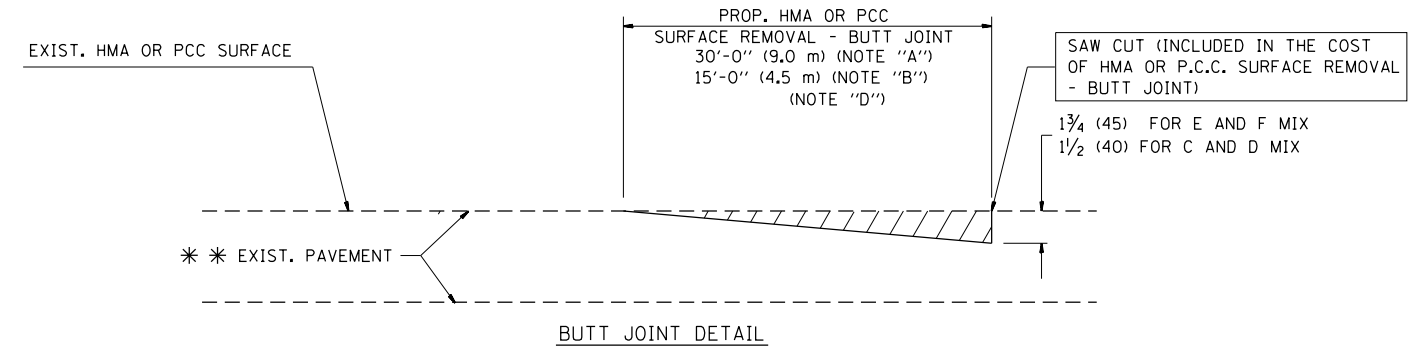


OPTION 1

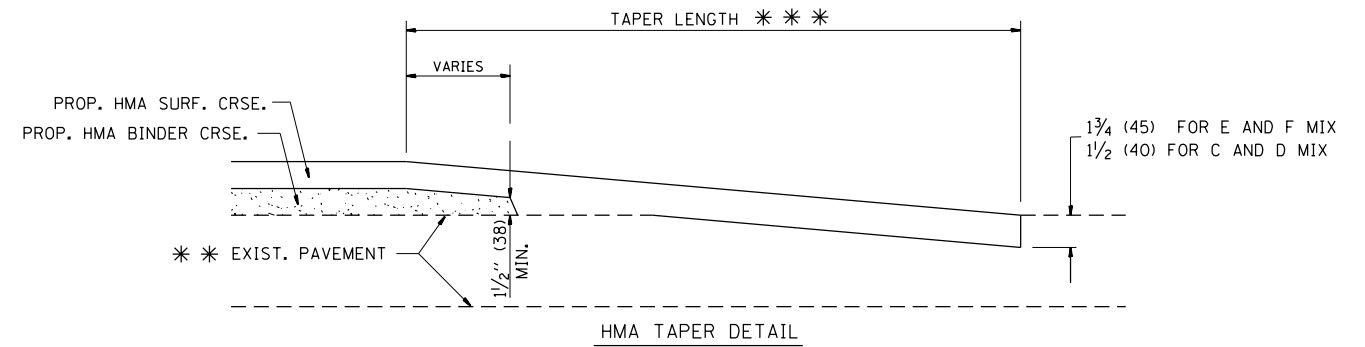


OPTION 2

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.

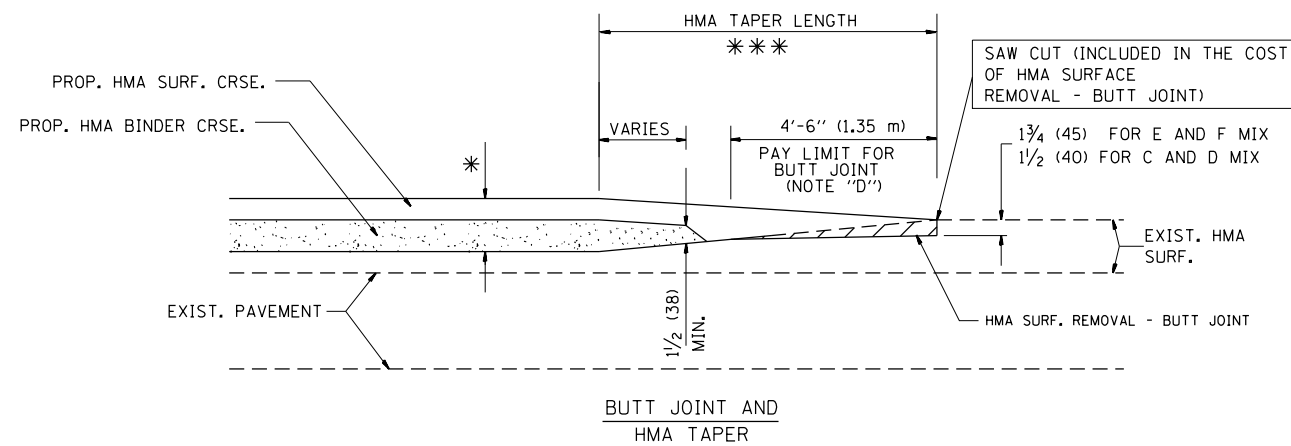
NOTES

- 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

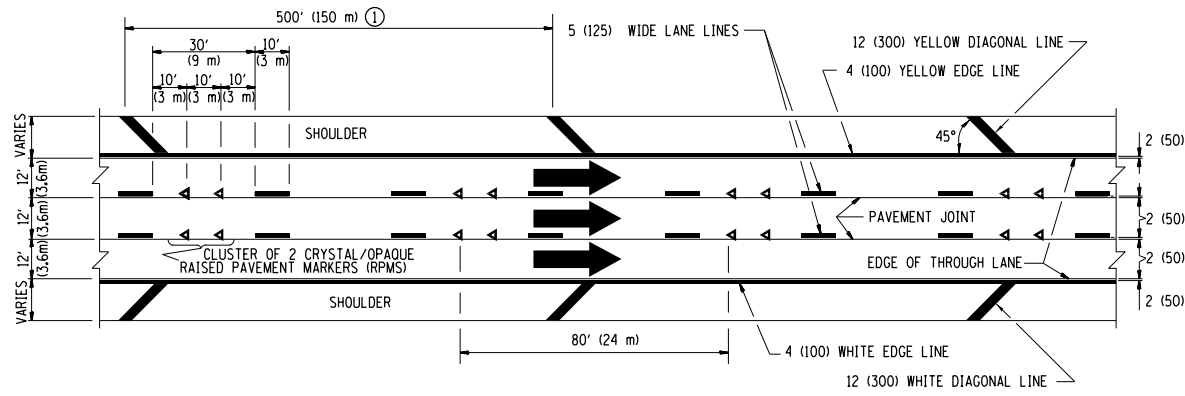
FILE NAME =	USER NAME = galbenjr	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94
et:\pw\work\p\dot\galbenjr\d0381808\Dist\std.dgn		DRAWN -	REVISED - A. ABBAS 03-21-97
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - M. GOMEZ 04-06-01
	PLOT DATE = 3/3/2014	DATE - 06-13-90	REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BUTT JOINT AND
HMA TAPER DETAILS**

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

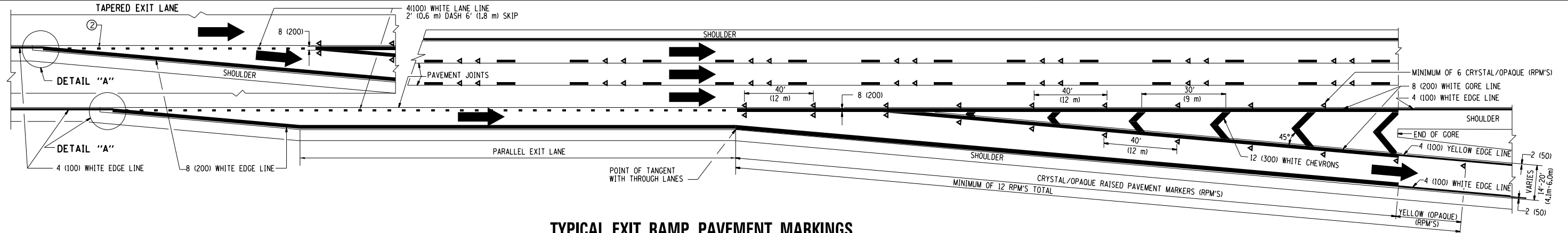
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2014-0095G	COOK	32	28
BD400-05 BD32		CONTRACT NO. 60X90		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



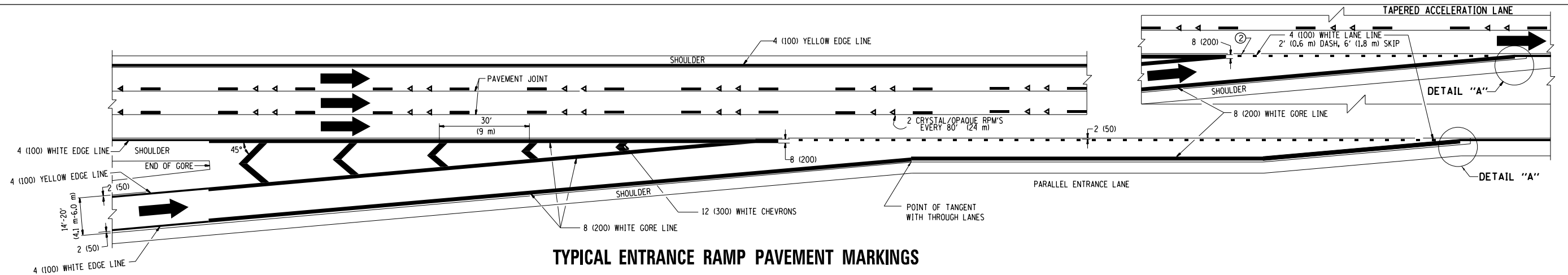
TYPICAL EDGE LINES & LANE LINES

PAVEMENT MARKING MATERIALS

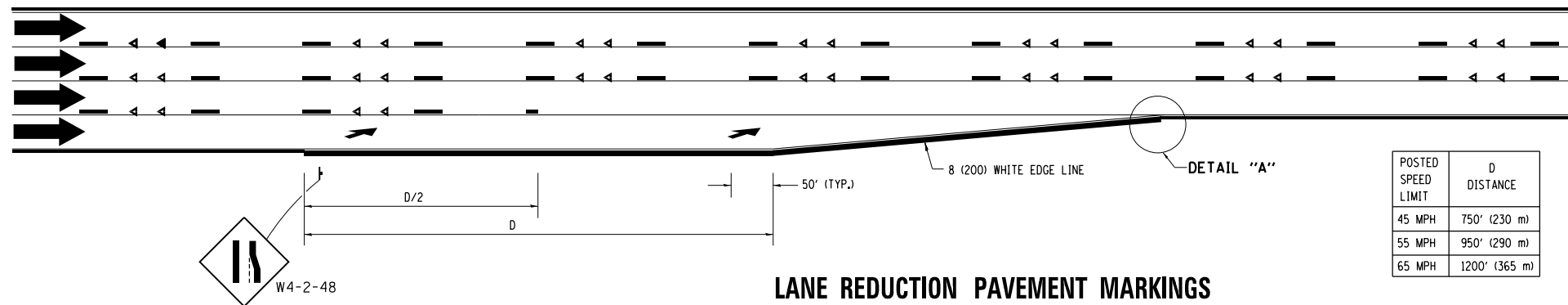
1. THERMO PLASTIC PAVEMENT MARKING LINE SHALL BE USED FOR THE EDGE LINES, GORE LINES, AND DIAGONAL LINES ON BITUMINOUS PAVEMENT ONLY.
2. PREFORMED PLASTIC TYPE B PAVEMENT MARKING LINE; INLAID OR GROOVED IN SHALL BE USED FOR ALL LANE LINES ON HMA PAVEMENT PROJECTS.
3. POLYUREA PAVEMENT MARKING SHALL BE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



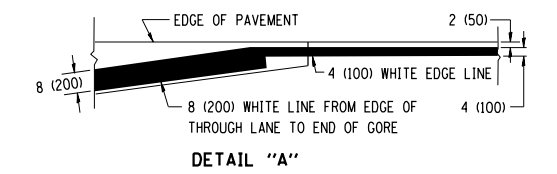
TYPICAL EXIT RAMP PAVEMENT MARKINGS



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' DASH, 6' 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)

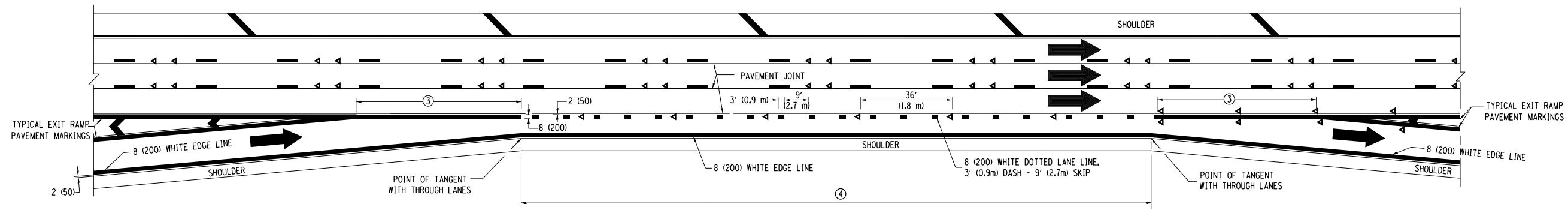
FILE NAME =
 USER NAME = galbenjr
 DESIGNED - D.W.S.
 DRAWN -
 PLOT SCALE = 100.0000' / in.
 PLOT DATE = 3/3/2014

DESIGNED - D.W.S.
 DRAWN -
 CHECKED -
 DATE - 01-90
 REVISED - J.A.F. 02-06
 REVISED - S.P.B. 01-07
 REVISED - S.P.B. 01-10
 REVISED - M.D. 05-13

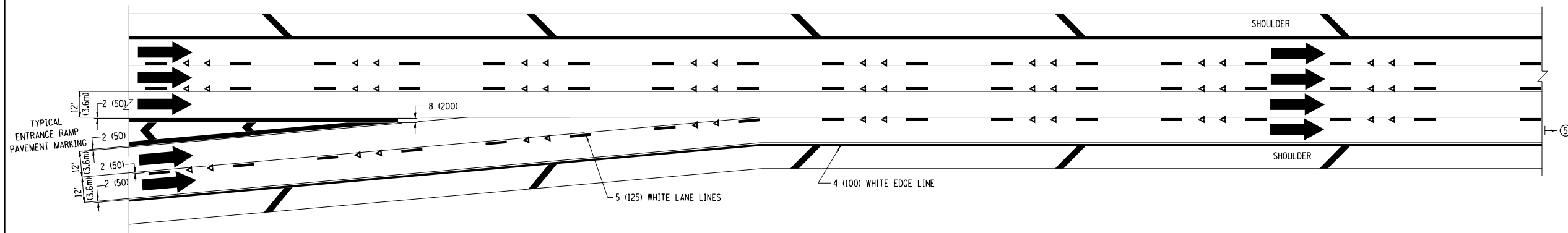
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**MULTI-LANE FREEWAY
 PAVEMENT MARKING DETAILS**
 SCALE: NONE SHEET NO. 1 OF 2 SHEETS STA. TO STA.

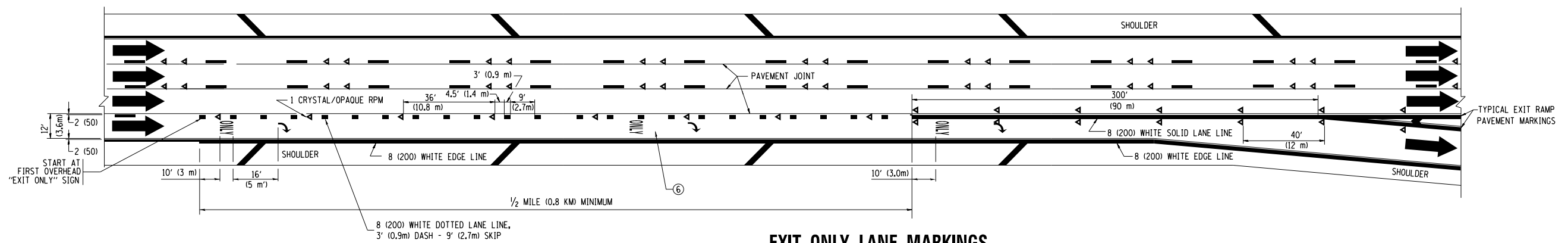
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2014-0095G	COOK	32	29
TC-12		CONTRACT NO. 60X90		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



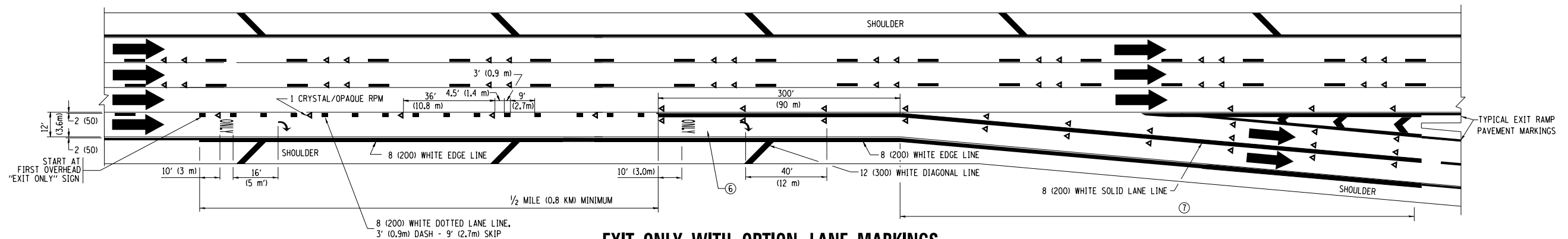
AUXILIARY LANE MARKINGS



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.

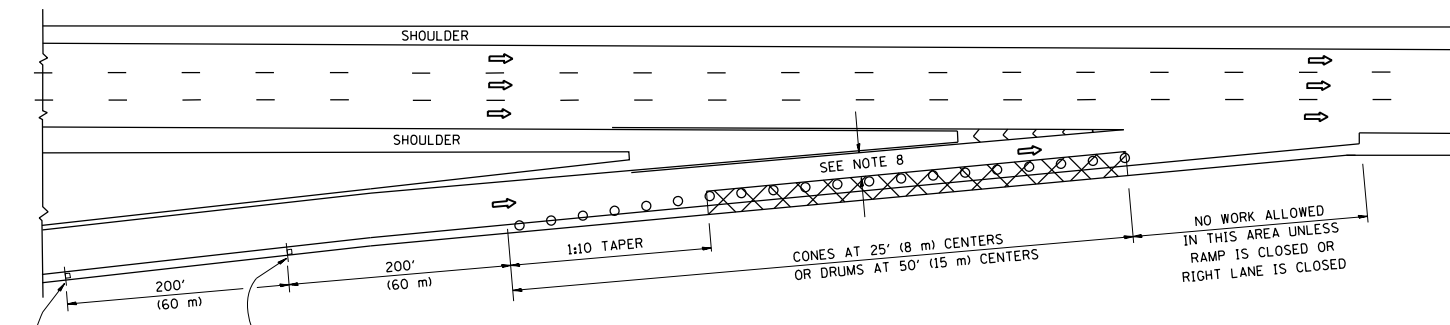
FILE NAME =	USER NAME = galbenjr	DESIGNED - D.W.S.	REVISED - D.W.S. 07-96
ei:\pwork\pwork\d0galbenjr\d0381808\Dist\d.dgn		DRAWN -	REVISED - J.A.F. 02-06
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - S.P.B. 01-07
	PLOT DATE = 3/3/2014	DATE - 01-90	REVISED - S.P.B. 01-10

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

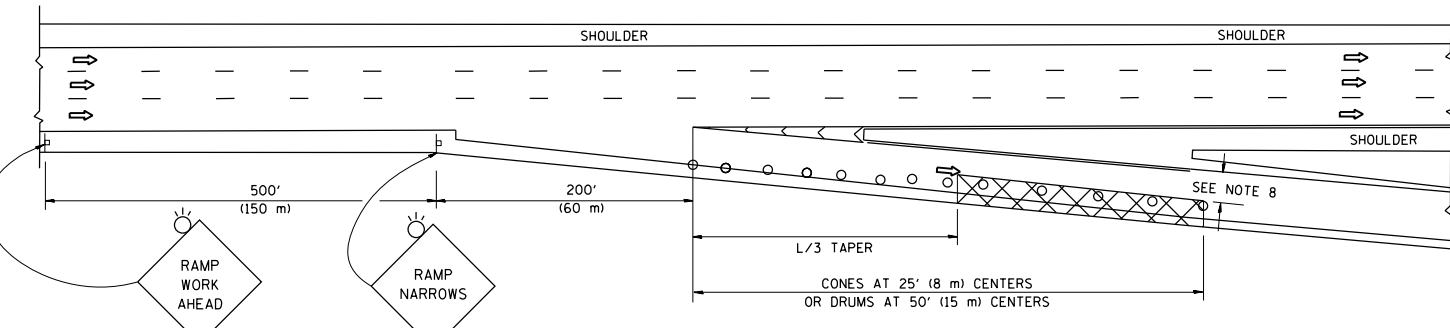
MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS			
SCALE: NONE	SHEET NO. 2 OF 2 SHEETS	STA.	TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2014-0095G	COOK	32	30
TC-12		CONTRACT NO. 60X90		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

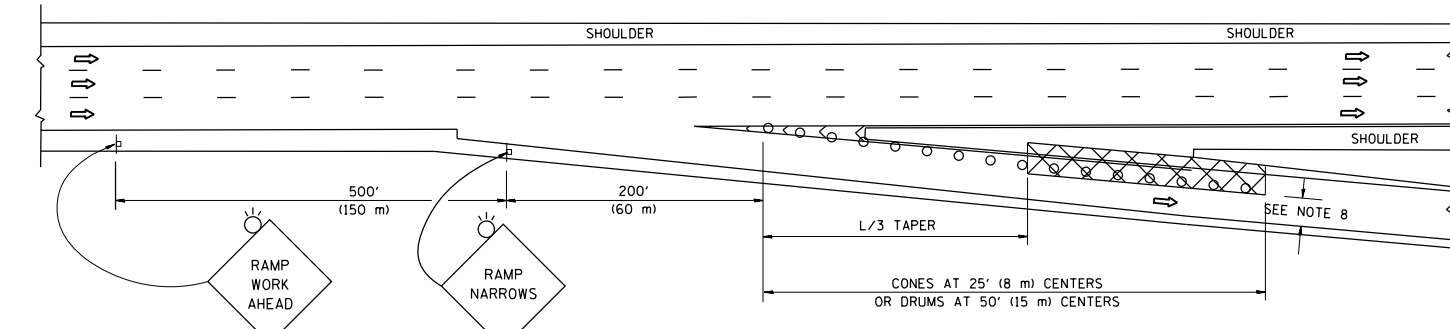
PARTIAL RAMP CLOSURE DETAILS



TYPICAL ENTRANCE RAMP



TYPICAL EXIT RAMP



TYPICAL EXIT RAMP

SYMBOLS

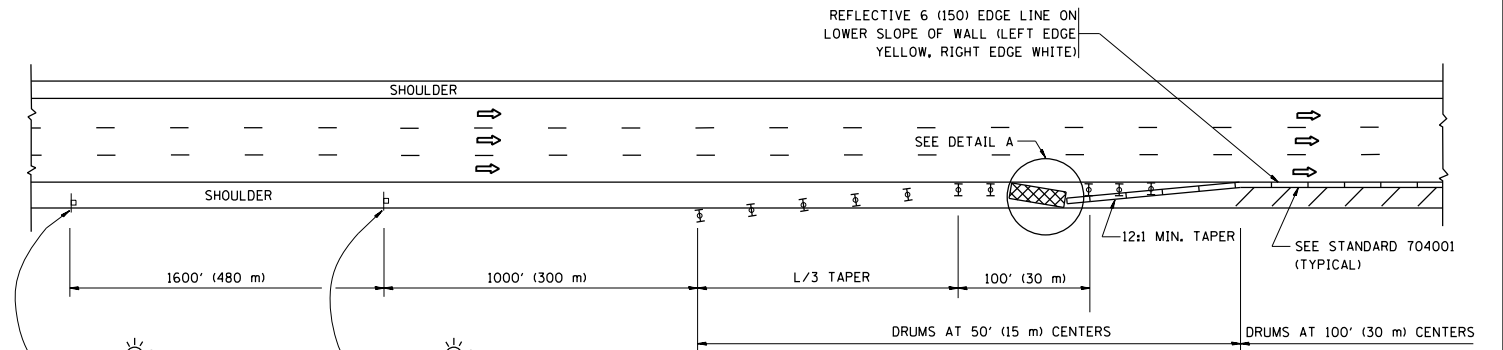
- ACTIVE WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- TYPE II BARRICADE OR DRUM WITH STEADY BURN MONO-DIRECTIONAL LIGHT
- CONE, DRUM OR BARRICADE
- IMPACT ATTENUATOR OF TYPE AND TEST LEVEL SPECIFIED

GENERAL NOTES

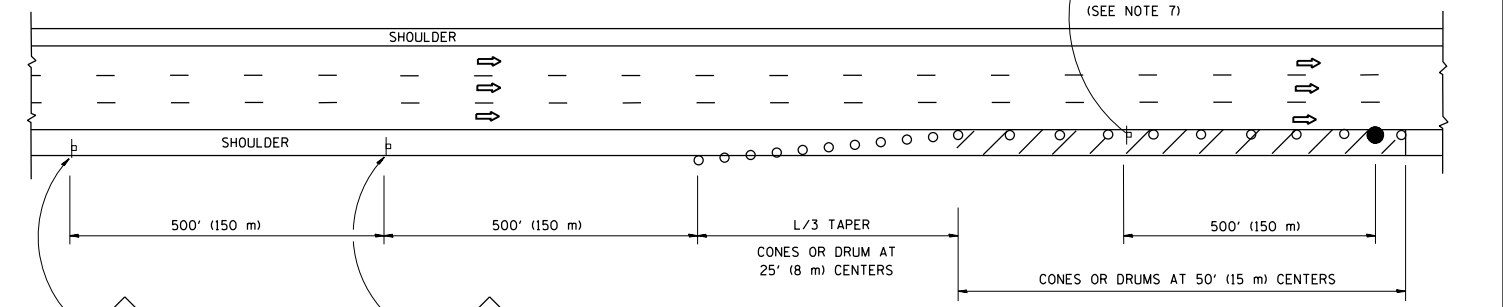
1. THE "L" DISTANCE EQUALS:

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 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.

SHOULDER CLOSURE DETAILS

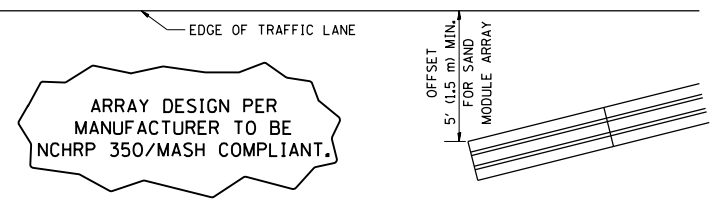


PERMANENT SHOULDER CLOSURE



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.



ARRAY DESIGN PER MANUFACTURER TO BE NCHRP 350/MASH COMPLIANT.

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

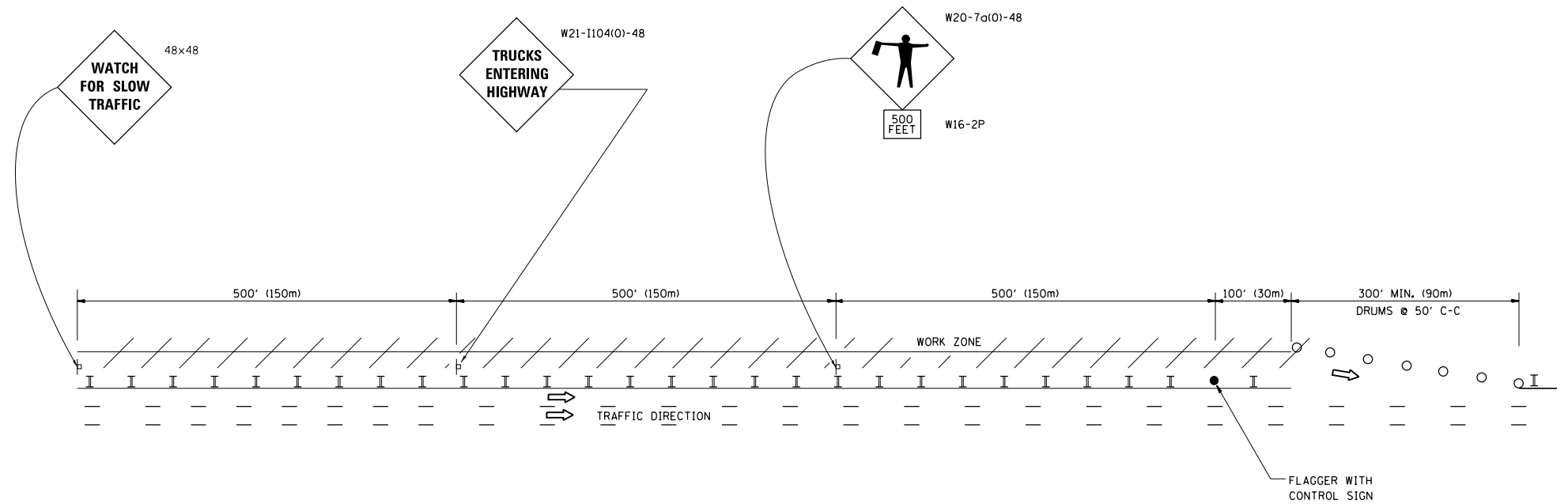
5. THE IMPACT ATTENUATOR, TEMPORARY IS NOT REQUIRED WHEN THE TEMPORARY CONCRETE BARRIER WALL IS PROTECTED BY OR IS TIED INTO THE EXISTING GUARDRAIL. IF OFFSET IS LESS THAN 5 FEET USE NARROW USE TYPE DEVICE TO MEET NCHRP350/MASH.
6. AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL 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.

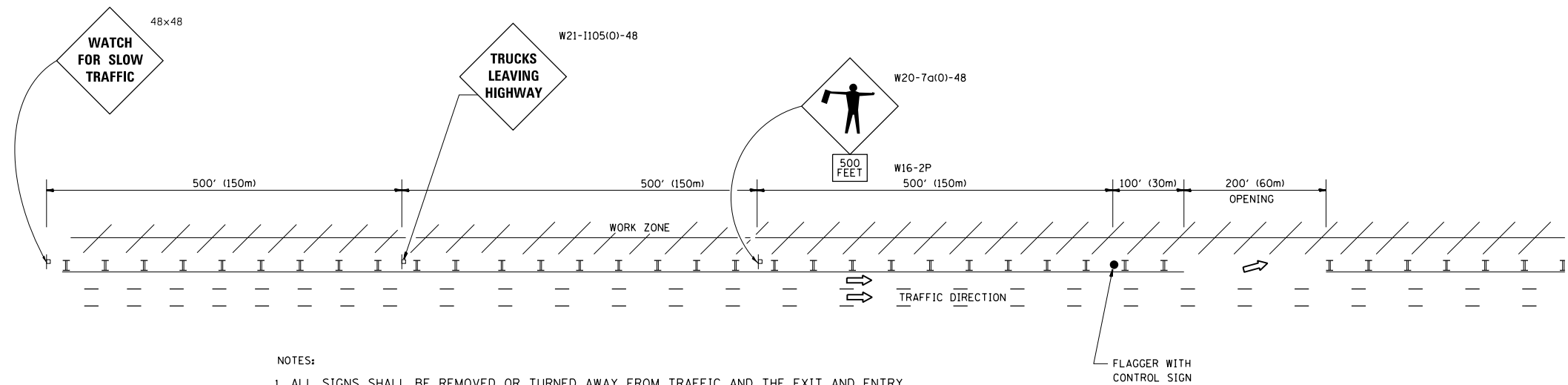
FILE NAME =	USER NAME = galbenjr	DESIGNED -	REVISED - J.A.F. 12-06	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES	F.A.I. RTE. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pw\work\p\dot\galbenjr\d0381808\Dist\d.dgn	DRAWN - D.W.S.	REVISED - S.P.B. 01-07	55			2014-0095G	COOK	32	31	
PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - S.P.B. 12-09	TC-17			CONTRACT NO. 60X90				
PLOT DATE = 3/3/2014	DATE - 11-96	REVISED - M.D. 06-13	SCALE: NONE			SHEET NO. 1 OF 1 SHEETS		STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	

SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS

WORK ZONE EXIT OPENING



WORK ZONE ENTRY OPENING



NOTES:

1. ALL SIGNS SHALL BE REMOVED OR TURNED AWAY FROM TRAFFIC AND THE EXIT AND ENTRY OPENINGS SHALL BE CLOSED WHEN THE FLAGGING OPERATION CEASES. NON OPERATING EQUIPMENT SHALL COMPLY WITH ARTICLE 701.11
2. WORK ZONE OPENINGS SHALL BE A MINIMUM OF ONE HALF MILE APART AND A MINIMUM OF ONE QUARTER MILE FROM ALL ENTRANCE AND EXIT RAMPS.
3. EXITING THE WORK ZONE AT ANY PLACE OTHER THAN AT A WORK ZONE EXIT OPENING WILL BE PROHIBITED.
4. ALL VEHICLES SHALL ENTER THE WORK ZONE AT ENTRY OPENINGS, USING THEIR TURN SIGNALS TO WARN MOTORISTS
5. FLAGGERS SHALL NOT STOP TRAFFIC OR DIRECT TRAFFIC INTO AN ADJACENT LANE.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME =	USER NAME = galbenjr	DESIGNED -	REVISED - J.A.F. 02-06	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FREEWAY/EXPRESSWAY SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS ON FREEWAYS/EXPRESSWAYS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\pwork\pwork\galbenjr\d0381808\Dist\d.dgn	DRAWN -	REVISED - S.P.B. 01-07	55			2014-0095G	COOK	32	32		
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - S.P.B. 12-09	TC-18			CONTRACT NO. 60X90					
PLOT DATE = 3/3/2014	DATE -	REVISED - M.D. 06-13	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT								
				SCALE: NONE		SHEET NO. 1 OF 1 SHEETS		STA.		TO STA.	