

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2016-061-I	VARIOUS	44	1
ILLINOIS			CONTRACT NO. 62D54	

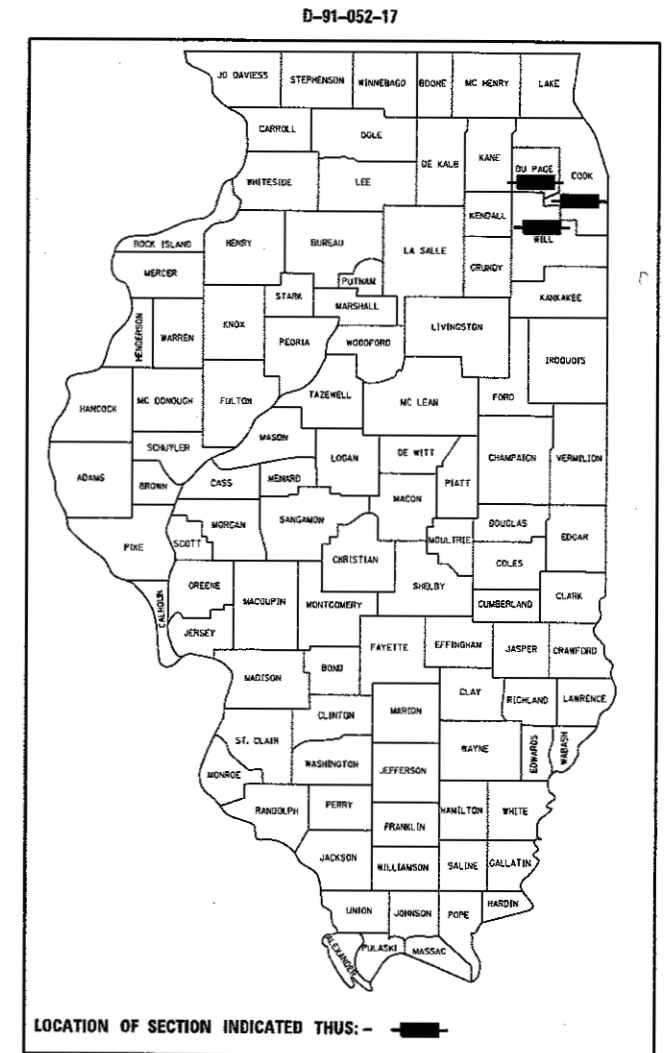
FOR INDEX OF SHEETS, SEE SHEET NO. 2

THIS PROJECT IS LOCATED IN:
 THE CITY OF BERWYN
 THE CITY OF BRAIDWOOD
 THE CITY OF CHICAGO
 THE CITY OF ELMHURST
 THE CITY OF JOLIET
 THE CITY OF LOCKPORT
 THE CITY OF MARKHAM
 THE CITY OF OAKBROOK TERRACE
 THE VILLAGE OF CRETE
 THE VILLAGE OF FOREST PARK
 THE VILLAGE OF HODGKINS
 THE VILLAGE OF MAYWOOD
 THE VILLAGE OF ROMEOVILLE
 THE VILLAGE OF VILLA PARK
 THE VILLAGE OF WILLOW SPRINGS
 THE VILLAGE OF WILLOWBROOK
 THE VILLAGE OF WOODRIDGE

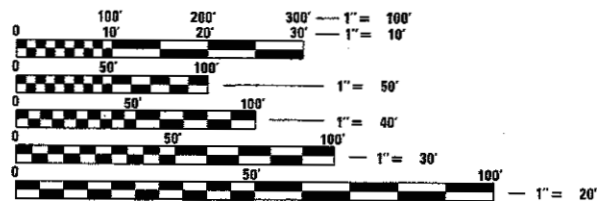
PROPOSED
HIGHWAY PLANS

VARIOUS ROUTES
 SECTION: 2016-061-I
 PROJECT: HSIP-78FE(386)
 GUARDRAIL REPLACEMENTS (SOUTH SECTION)
 COOK, DUPAGE AND WILL COUNTIES

C-91-052-17



FOR LOCATION MAPS: SEE SHEET NO. 6 - 8



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

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

PROJECT ENGINEER: DANIEL WILGREEN (847) 705-4240
 PROJECT MANAGER: FAWAD AQUEEL (847) 705-4247

CONTRACT NO. 62D54

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUBMITTED OCTOBER 19 20 17
Anthony A. Orsoly / AAS
 REGIONAL ENGINEER

NOV 30 20 17
Nawwan M. Adiz
 ENGINEER OF DESIGN AND ENVIRONMENT

NOV 30 20 17
David A. [Signature]
 DIRECTOR OF PROGRAM DEVELOPMENT 2

PRINTED BY THE AUTHORITY
 OF THE STATE OF ILLINOIS

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701421-08	LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS ≥ 45 MPH TO 55 MPH
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701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS ≤ 40 MPH
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COMMITMENTS

NO COMMITMENTS

GENERAL NOTES

- ① BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT (800) 892-0123 OR 811 OR DIGGER AT 312-744-700 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS UTILITIES. 48 HOUR NOTIFICATION IS REQUIRED.
- ② THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.39 OF THE STANDARD SPECIFICATIONS. ANY DAMAGE TO THE UNDERGROUND FACILITIES CAUSED BY THE CONTRACTOR SHALL BE REPAIRED TO THE SATISFACTION OF THE DEPARTMENT AT THE CONTRACTOR'S EXPENSE, INCLUDING TEMPORARY REPAIRS WHICH MAY BE REQUIRED TO KEEP THE FACILITY OPERATIONAL WHILE MATERIAL IS BEING OBTAINED TO MAKE PERMANENT REPAIRS.
- ③ THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, AND THE MUNICIPALITIES LISTED ON THE COVER SHEET.
- ④ THE RESIDENT ENGINEER SHALL CONTACT THE DEPARTMENT'S ELECTRICAL MAINTENANCE CONTRACTOR, MEADE ELECTRIC COMPANY, AT (773) 287-7672 PRIOR TO THE START OF CONSTRUCTION TO LOCATE ALL IDOT ELECTRICAL EQUIPMENT AND UNDERGROUND CABLES.
- ⑤ THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 AND THE EXPRESSWAY TRAFFIC CONTROL SUPERVISOR AT (847) 705-4155 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK. THE CONTRACTOR SHALL REGISTER ACCOUNT AT WWW.IDOTLCS.COM TO REQUEST CLOSURES ON THE EXPRESSWAYS.
- ⑥ THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- ⑦ THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
- ⑧ IN ADDITION TO FIELD AND AERIAL SURVEYS, PLAN DIMENSIONS AND DETAILS RELATIVE TO THE EXISTING FACILITIES HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND EXISTING CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING MATERIALS. SUCH VARIATIONS SHALL NOT BE A CAUSE FOR ADDITIONAL COMPENSATION DUE TO A CHANGE IN THE SCOPE OF WORK. HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.
- ⑨ THE LOCATIONS OF THOSE BURIED AND ABOVE GROUND UTILITIES SHOWN ARE APPROXIMATE, ARE SHOWN FOR CONTRACTOR INFORMATIONAL USE ONLY, AND ARE NOT TO BE REFERENCED FOR CONSTRUCTION PURPOSES. THE IMPLIED PRESENCE OR ABSENCE OF UTILITIES IS NOT TO BE CONSTRUED BY THE OWNER, ENGINEER, CONTRACTOR, OR SUBCONTRACTORS TO BE AN ACCURATE AND COMPLETE REPRESENTATION OF UTILITIES THAT MAY OR MAY NOT EXIST ON THE CONSTRUCTION SITE. BURIED AND ABOVE GROUND UTILITY LOCATIONS, IDENTIFICATION, AND MARKING ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. REROUTING, DISCONNECTION, PROTECTION, ETC. OF ANY UTILITIES MUST BE COORDINATED BETWEEN CONTRACTOR, UTILITY COMPANY, AND OWNER. SITE SAFETY, INCLUDING THE AVOIDANCE OF HAZARDS ASSOCIATED WITH BURIED AND ABOVE GROUND UTILITES REMAIN THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- ⑩ DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- ⑪ THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS FOR THE PROTECTION OF EXISTING PLANT MATERIAL FOR WHICH THE CONTRACT DOES NOT PROVIDE REMOVAL. THE PROTECTION OF EXISTING PLANT MATERIAL AND THE REPAIR OR REPLACEMENT OF EXISTING PLANT MATERIAL DAMAGED BY THE CONTRACTOR SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 201 OF THE STANDARD SPECIFICATIONS.
- ⑫ WHERE SECTION OR SUB-SECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR, OR AGENT HAS WITNESSED THEIR LOCATION.
- ⑬ FRAMES AND GRATES ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE LIMITS OF THE IMPROVEMENTS SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.
- ⑭ THE CONTRACTOR SHALL VERIFY THE EXISTING TYPE/HEIGHT OF EXISTING GUARDRAIL BEFORE ORDERING THE NEW TERMINAL SECTION. THE TERMINAL SECTION SHALL MATCH THE HEIGHT OF THE EXISTING GUARDRAIL.
- ⑮ REMOVED GUARDRAIL MUST BE REPLACED ON THE SAME DAY UNLESS AUTHORIZED BY THE RESIDENT ENGINEER. NO LOCATIONS WILL BE LEFT WITHOUT EITHER LIGHTED BARRICADES OR RESTORED GUARDRAIL AT ANY TIME.
- ⑯ THE CONTRACTOR SHALL ONLY PERFORM WORK ON ONE SIDE OF THE ROADWAY AT ANY TIME.
- ⑰ NO MATERIAL SHOULD BE LEFT ON OR NEAR THE ROADWAY DURING NON-WORKING HOURS.
- ⑱ WHEN GUARDRAIL POSTS ARE PLACED BEHIND CONCRETE HEADWALLS, THE POSTS SHALL NOT BE PLACED TO BLOCK THE DRAINAGE OPENING.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		QUALITY MANAGEMENT PROGRAM (QMP)
MIXTURE TYPE	AIR VOIDS @ Ndes	PROGRAM (QMP)
HMA SHOULDER, 8"		
HOT-MIX ASPHALT BINDER, IL-19.0, 6"	4% @ 50 GYR.	QC/OA
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL-9.5mm), 2"	4% @ 50 GYR.	QC/OA
QMP DESIGNATION: QUALITY CONTROL / QUALITY ASSURANCE (QC/OA)		

- THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN
- THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.
- FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS
- QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GUARDRAIL REPLACEMENT (SOUTH SECTION)
INDEX OF SHEETS, STATE STANDARDS, AND GENERAL NOTES**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2016-061-1	VARIOUS	44	2
			CONTRACT NO. 62D54	
ILLINOIS FED. AID PROJECT				

URBAN

URBAN

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		90% FED 10% STATE 0021 COOK COUNTY	90% FED 10% STATE 0021 DUPAGE COUNTY	90% FED 10% STATE 0021 WILL COUNTY
20200100	EARTH EXCAVATION	CU YD	98	45	42.5	10.5
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	7.1		7.1	
21101615	TOPSOIL FURNISH AND PLACE, 4"	SO YD	565	160	317.5	87.5
25000210	SEEDING, CLASS 2A	ACRE	0.12	0.03	0.07	0.02
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	10.81	2.98	6.04	1.79
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	10.81	2.98	6.04	1.79
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	10.81	2.98	6.04	1.79
25100630	EROSION CONTROL BLANKET	SO YD	573.5	160	317.5	96
25200110	SODDING, SALT TOLERANT	SO YD	43		43	
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	27	27		
44004250	PAVED SHOULDER REMOVAL	SO YD	72	35	37	
48101200	AGGREGATE SHOULDERS, TYPE B	TON	488	140	294	54
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SO YD	97	60	37	
63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	1925	1262.5	587.5	75
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	1		1	
*	SPECIALTY ITEMS					

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		90% FED 10% STATE 0021 COOK COUNTY	90% FED 10% STATE 0021 DUPAGE COUNTY	90% FED 10% STATE 0021 WILL COUNTY
63100089	TRAFFIC BARRIER TERMINAL, TYPE 6B	EACH	3	3		
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	37	13	15	9
63100169	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED	EACH	5	1	3	1
63200310	GUARDRAIL REMOVAL	FOOT	2777	851	1448	478
64300260	IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	5	2	3	
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	98	45	42.5	10.5
* 66900450	SPECIAL WASTE PLANS AND REPORTS	LSUM	1	0.4	0.3	0.3
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	4	2	1	1
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	2	2	2
67100100	MOBILIZATION	LSUM	1	0.3	0.4	0.3
70100310	TRAFFIC CONTROL AND PROTECTION, STANDARD 701421	LSUM	1	0.3	0.4	0.3
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	LSUM	1	0.3	0.4	0.3
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	LSUM	1	0.3	0.4	0.3

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GUARDRAIL REPLACEMENT (SOUTH SECTION)
SUMMARY OF QUANTITIES

SCALE: SHEET NO. 1 OF 2 SHEETS STA. TO STA.

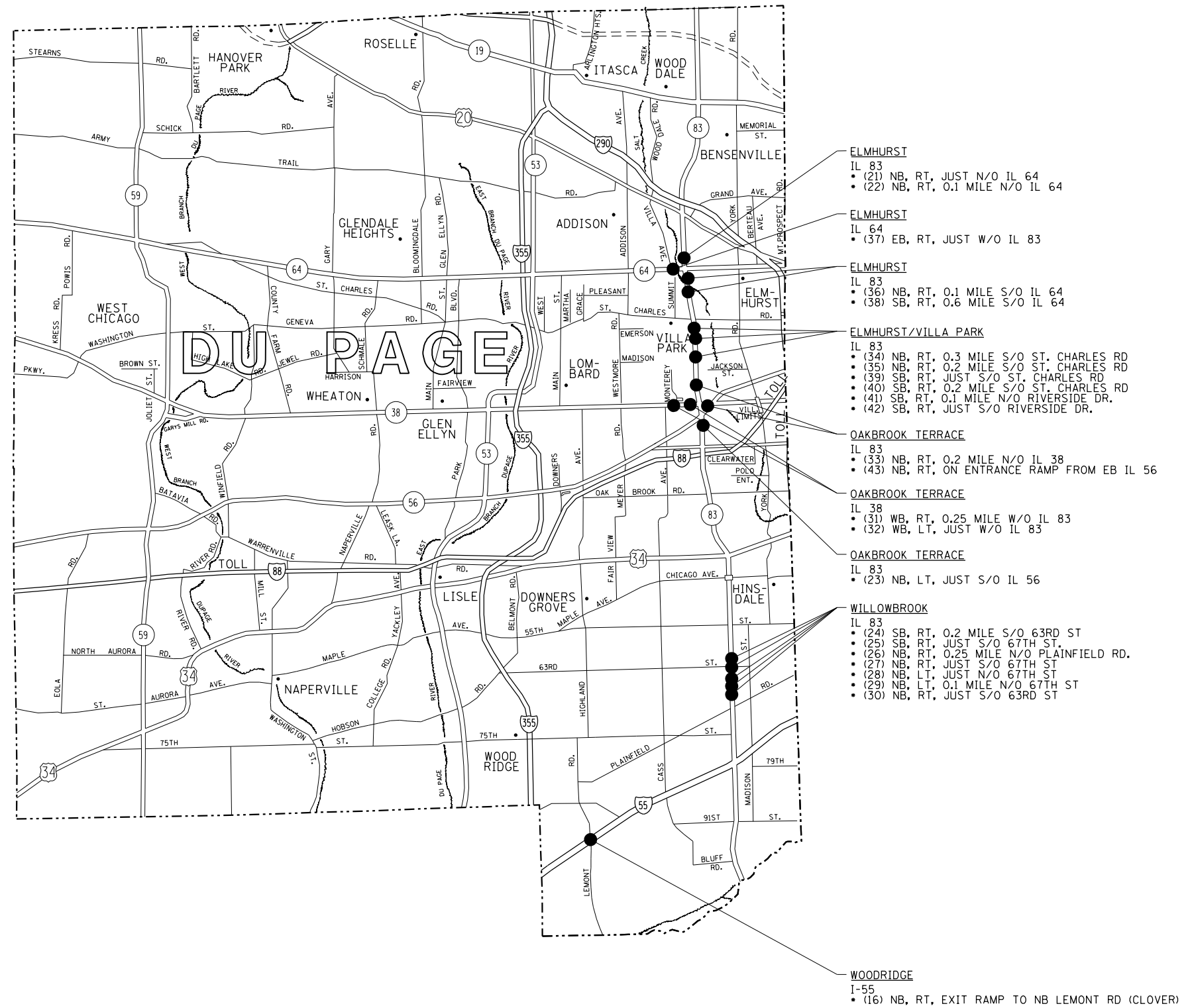
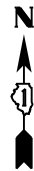
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VAR	2016-061-1	VARIOUS	44	3
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 62054	

URBAN

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		90% FED 10% STATE 0021 COOK COUNTY	90% FED 10% STATE 0021 DUPAGE COUNTY	90% FED 10% STATE 0021 WILL COUNTY			
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	LSUM	1	0.3	0.4	0.3			
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	LSUM	1	0.3	0.4	0.3			
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	LSUM	1	0.3	0.4	0.3			
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	LSUM	1	0.3	0.4	0.3			
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	LSUM	1	0.3	0.4	0.3			
72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	42	14	18	10			
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	288	288					
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	34	34					
78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	79	23	44	12			
X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SO FT	70	70					
X7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	LSUM	1	0.4	0.3	0.3			
X7015005	CHANGEABLE MESSAGE SIGN	CAL DA	60	20	20	20			
* 12	SPECIALTY ITEMS								

URBAN

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		90% FED 10% STATE 0021 COOK COUNTY	90% FED 10% STATE 0021 DUPAGE COUNTY	90% FED 10% STATE 0021 WILL COUNTY			
Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	51.4		51.4				
Z0064800	SELECTIVE CLEARING	UNIT	13	13					



NOTE:
• (00) = LOCATION NUMBER AS SHOWN ON PLAN SHEET

FILE NAME =	USER NAME = Bilgromiso	DESIGNED - SB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GUARDRAIL REPLACEMENT (SOUTH SECTION) LOCATION MAP (DUPAGE COUNTY)	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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LOCATION 1
GR ID #1164

NORTHBOUND, RIGHT SIDE, ON EXIT RAMP TO
WESTBOUND 130TH ST. (CLOVER),
STRUCTURE #1164

- PROP. HMA SHOULDER, 8" - 60 SY
- PROP. TRAFFIC BARRIER TERMINAL,
TYPE 1 (SPECIAL) FLARED
- PROP. GUARDRAIL REMOVAL - 87 FT
- PAVED SHOULDER REMOVAL - 35 SY
- PROP. STEEL PLATE BEAM GUARDRAIL - 50 FT



I-94

130TH ST.

130TH ST.

130TH ST.

130TH ST.

I-94



SOUTH BOUND, LEFT SIDE, ON EXIT RAMP TO
EASTBOUND 130TH ST. (CLOVER),
STRUCTURE #1165

- PROP. GUARDRAIL REMOVAL - 50 FT
- PROP. STEEL PLATE BEAM GUARDRAIL - 25 FT
- PROP. TRAFFIC BARRIER TERMINAL,
TYPE 1 (SPECIAL) TANGENT

LOCATION 2
GR ID #1165

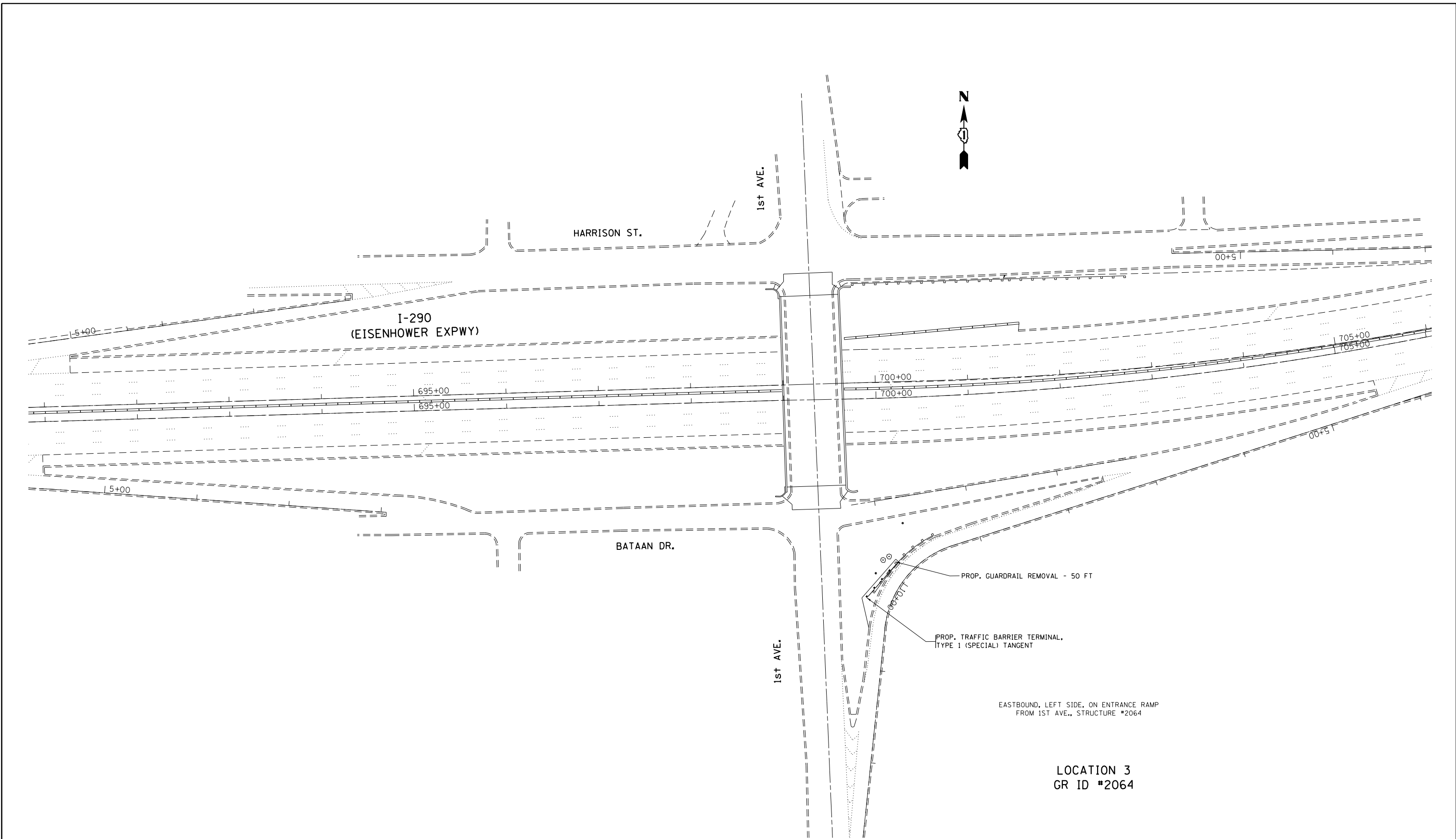
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GUARDRAIL REPLACEMENT (SOUTH SECTION)
ROADWAY PLAN**

SCALE: 1"=50' SHEET 1 OF 23 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2016-061-I	VARIOUS	44	9
			CONTRACT NO. 62D54	
ILLINOIS FED. AID PROJECT				



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GUARDRAIL REPLACEMENT (SOUTH SECTION)
ROADWAY PLAN**

SCALE: 1"=50' SHEET 2 OF 23 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2016-061-I	VARIOUS	44	10
			CONTRACT NO. 62D54	
ILLINOIS FED. AID PROJECT				

LOCATION 4
GR ID #2069

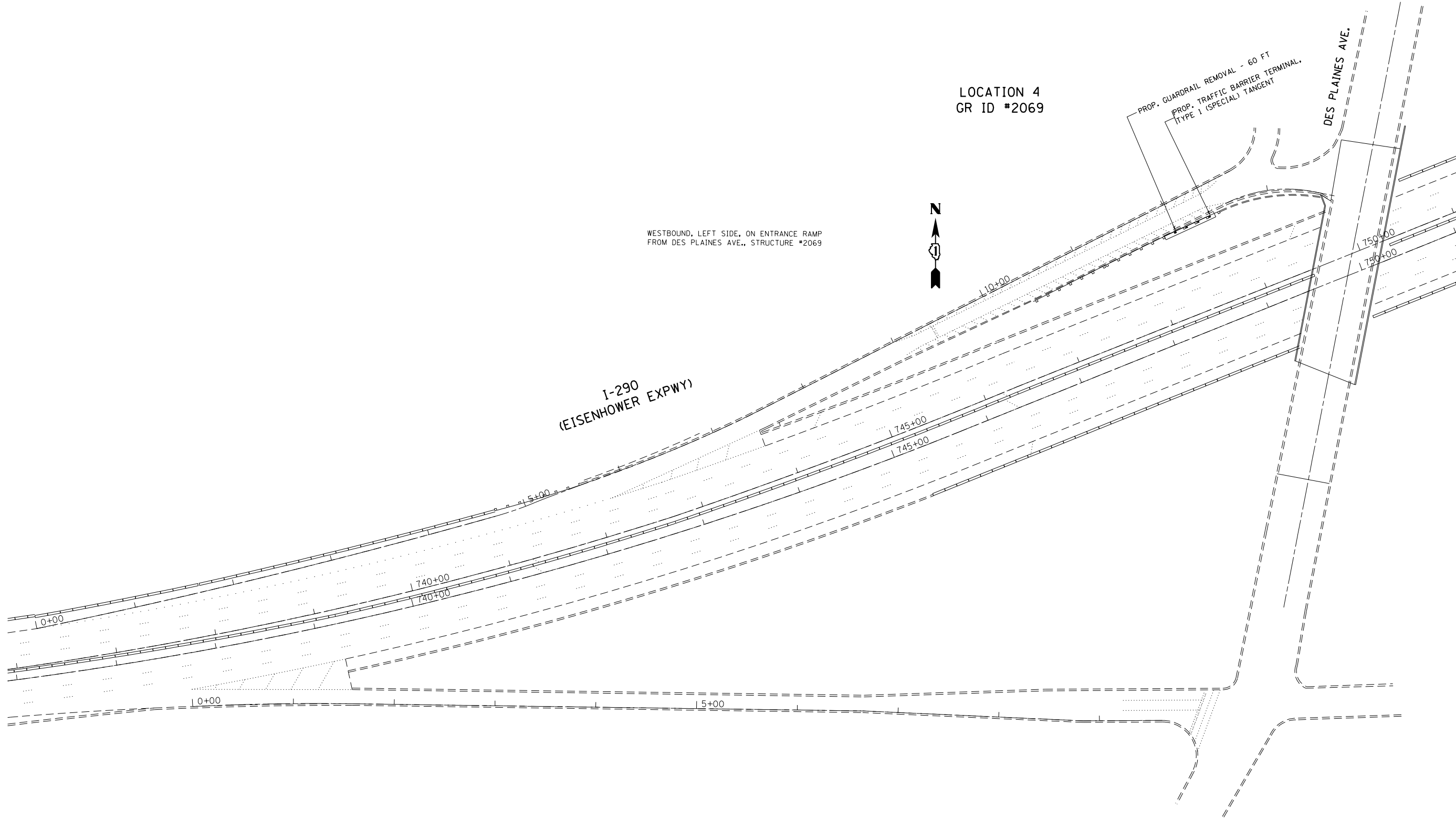
WESTBOUND, LEFT SIDE, ON ENTRANCE RAMP
FROM DES PLAINES AVE., STRUCTURE #2069



PROP. GUARDRAIL REMOVAL - 60 FT
PROP. TRAFFIC BARRIER TERMINAL,
TYPE 1 (SPECIAL) TANGENT

DES PLAINES AVE.

I-290
(EISENHOWER EXPWY)



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

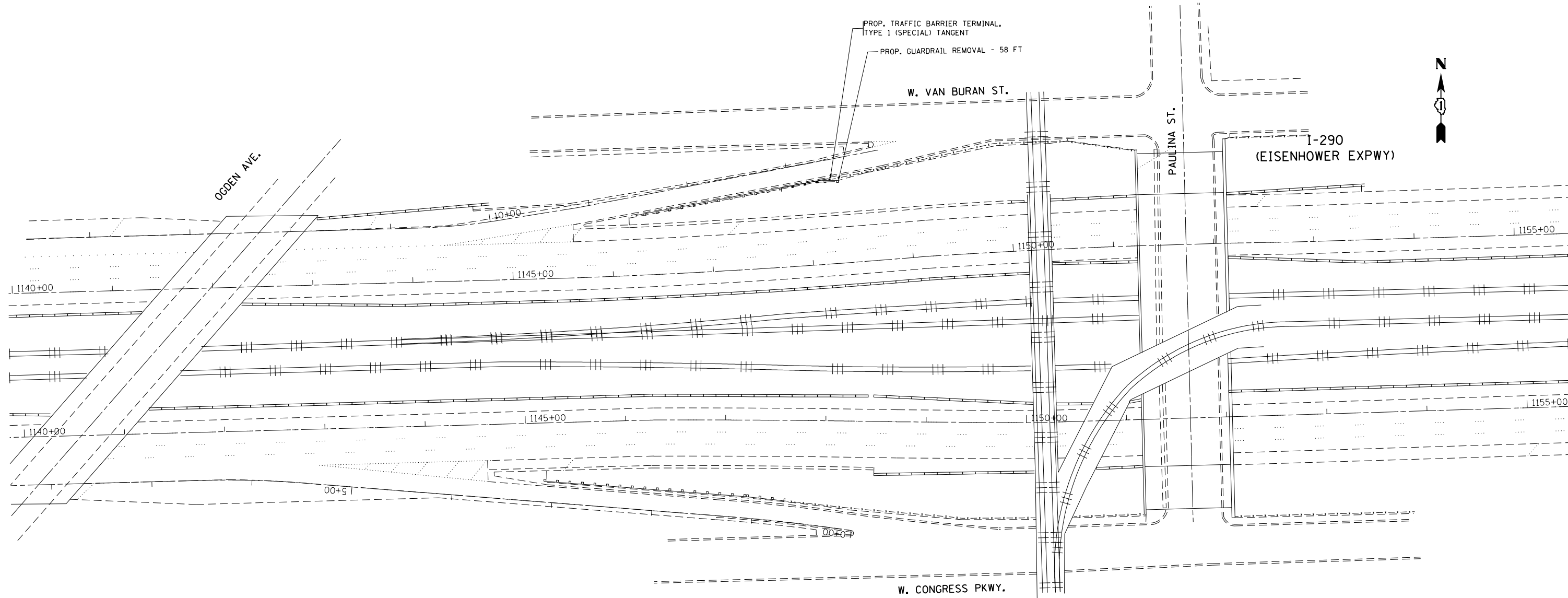
**GUARDRAIL REPLACEMENT (SOUTH SECTION)
ROADWAY PLAN**

SCALE: 1"=50' SHEET 3 OF 23 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2016-061-I	VARIOUS	44	11
			CONTRACT NO. 62D54	
ILLINOIS FED. AID PROJECT				

LOCATION 5
GR ID #2078

WESTBOUND, LEFT SIDE, ON ENTRANCE RAMP
FROM ASHLAND AVE./ VAN BURAN ST., STRUCTURE #2078



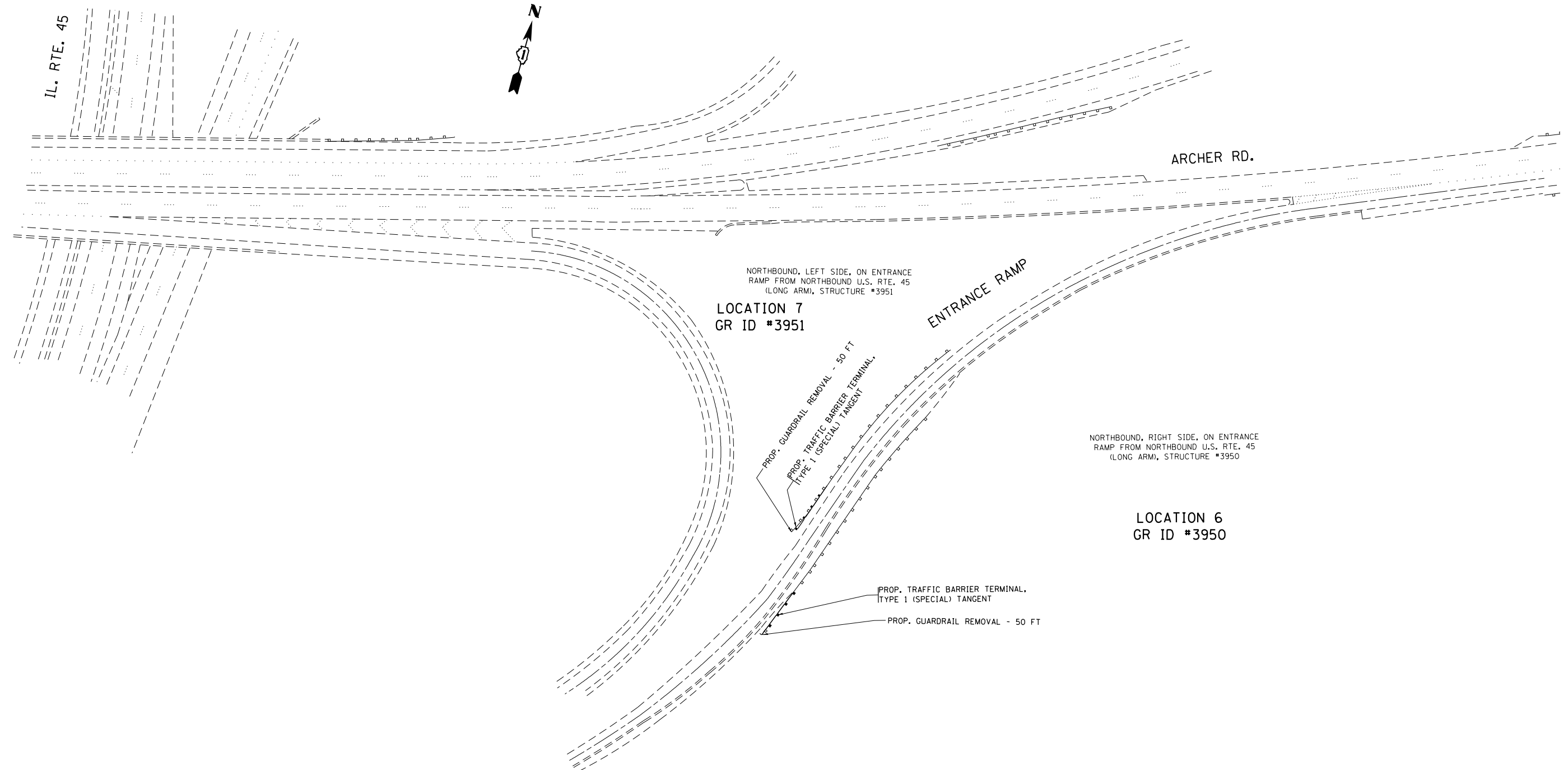
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Default	PLOT DATE = 10/17/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GUARDRAIL REPLACEMENT (SOUTH SECTION)
ROADWAY PLAN

SCALE: 1"=50' SHEET 4 OF 23 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2016-061-I	VARIOUS	44	12
			CONTRACT NO. 62D54	
ILLINOIS FED. AID PROJECT				



FILE NAME =	USER NAME = Bilgromiso	DESIGNED -	REVISED -
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 10/17/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

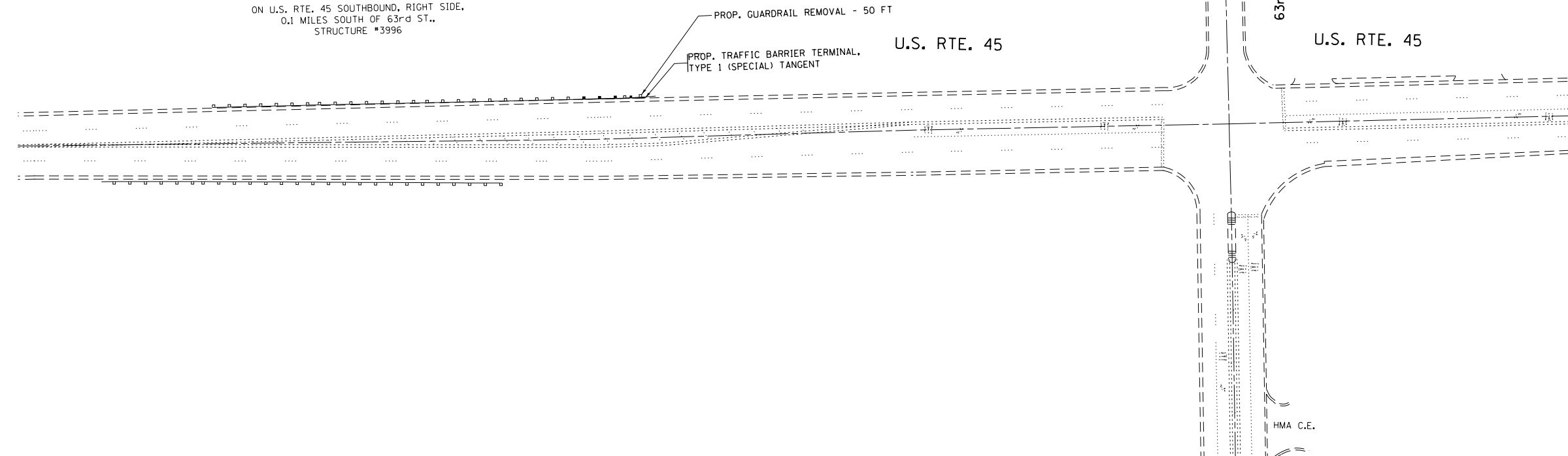
**GUARDRAIL REPLACEMENT (SOUTH SECTION)
ROADWAY PLAN**

SCALE: 1"=50' SHEET 5 OF 23 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2016-061-I	VARIOUS	44	13
CONTRACT NO. 62D54			ILLINOIS FED. AID PROJECT	

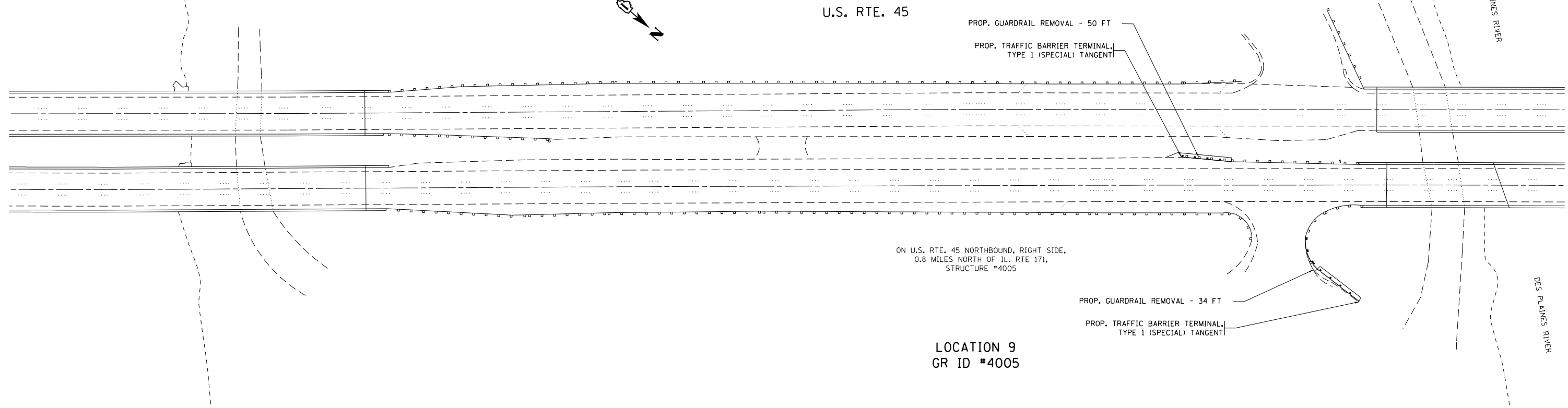
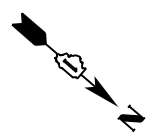
LOCATION 8
GR ID #3996

ON U.S. RTE. 45 SOUTHBOUND, RIGHT SIDE,
0.1 MILES SOUTH OF 63rd ST.,
STRUCTURE #3996



LOCATION 11
GR ID #4017

ON U.S. RTE. 45 NORTHBOUND, LEFT SIDE,
0.7 MILES NORTH OF IL. RTE 171,
STRUCTURE #4017



LOCATION 9
GR ID #4005

ON U.S. RTE. 45 NORTHBOUND, RIGHT SIDE,
0.8 MILES NORTH OF IL. RTE 171,
STRUCTURE #4005

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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 10/17/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GUARDRAIL REPLACEMENT (SOUTH SECTION)
ROADWAY PLAN

SCALE: 1"=50' SHEET 6 OF 23 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2016-061-I	VARIOUS	44	14
CONTRACT NO. 62D54				
ILLINOIS FED. AID PROJECT				



U.S. RTE. 45

67th ST.

PROP. GUARDRAIL REMOVAL - 50 FT
 PROP. TRAFFIC BARRIER TERMINAL
 TYPE 1 (SPECIAL) TANGENT

ON U.S. RTE. 45 NORTHBOUND, RIGHT SIDE,
 0.1 MILES NORTH OF 67th ST.,
 STRUCTURE #4006

LOCATION 10
 GR ID #4006

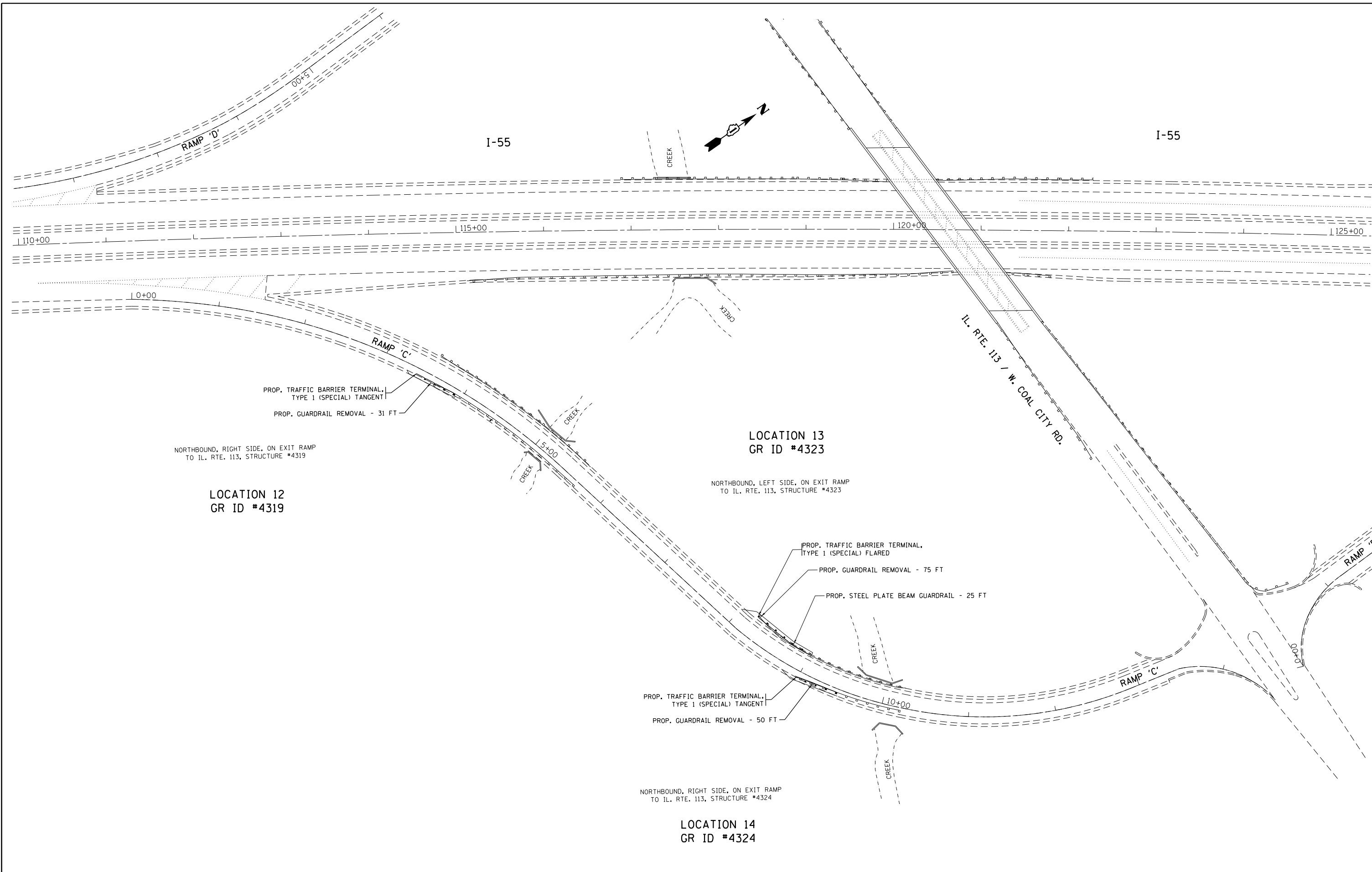
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 10/17/2017	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**GUARDRAIL REPLACEMENT (SOUTH SECTION)
 ROADWAY PLAN**

SCALE: 1"=50' SHEET 7 OF 23 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2016-061-I	VARIOUS	44	15
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62D54	



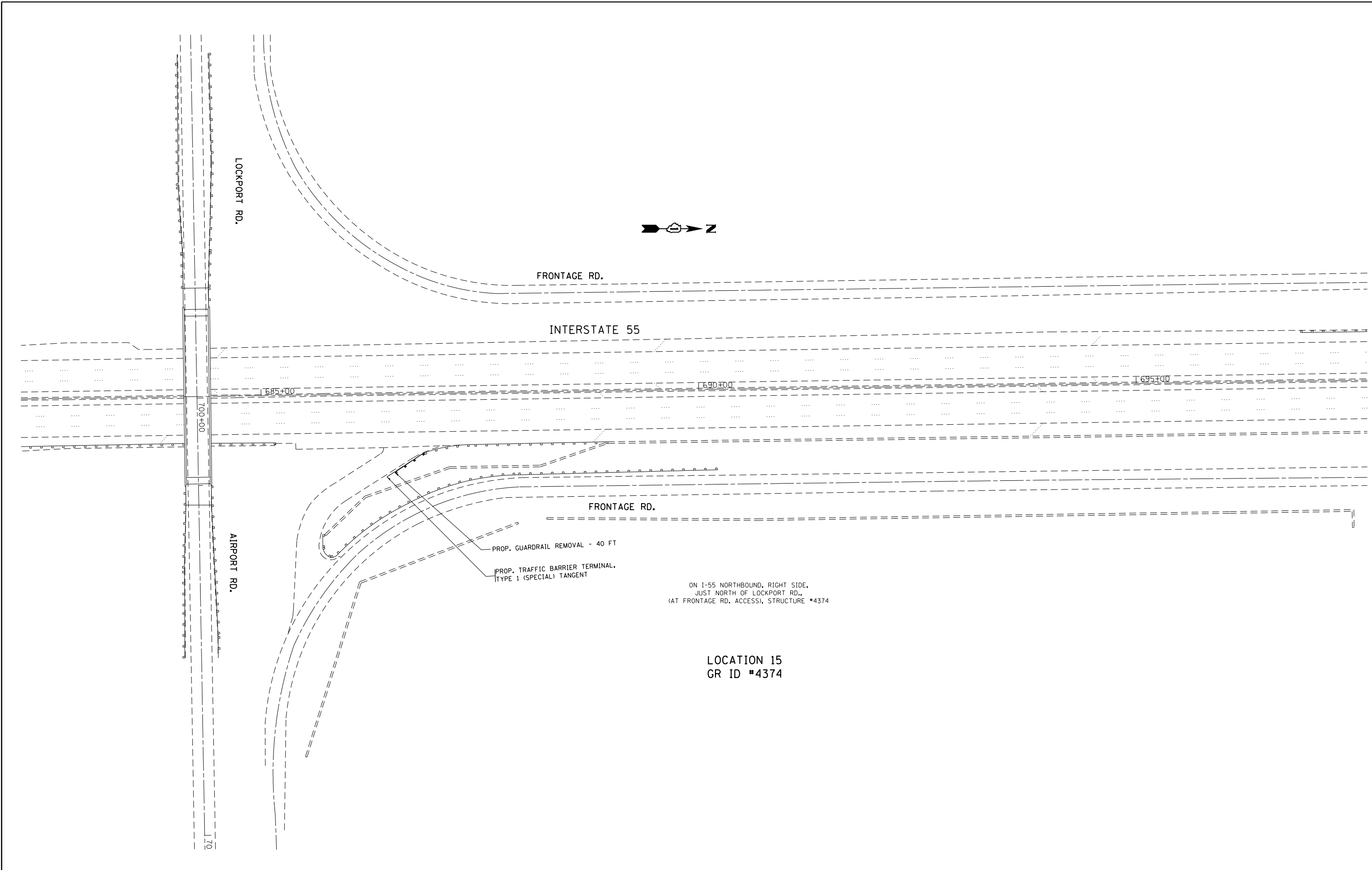
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Default	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -
	PLOT DATE = 10/17/2017		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GUARDRAIL REPLACEMENT (SOUTH SECTION)
ROADWAY PLAN**

SCALE: 1"=50' SHEET 8 OF 23 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2016-061-I	VARIOUS	44	16
CONTRACT NO. 62D54			ILLINOIS FED. AID PROJECT	



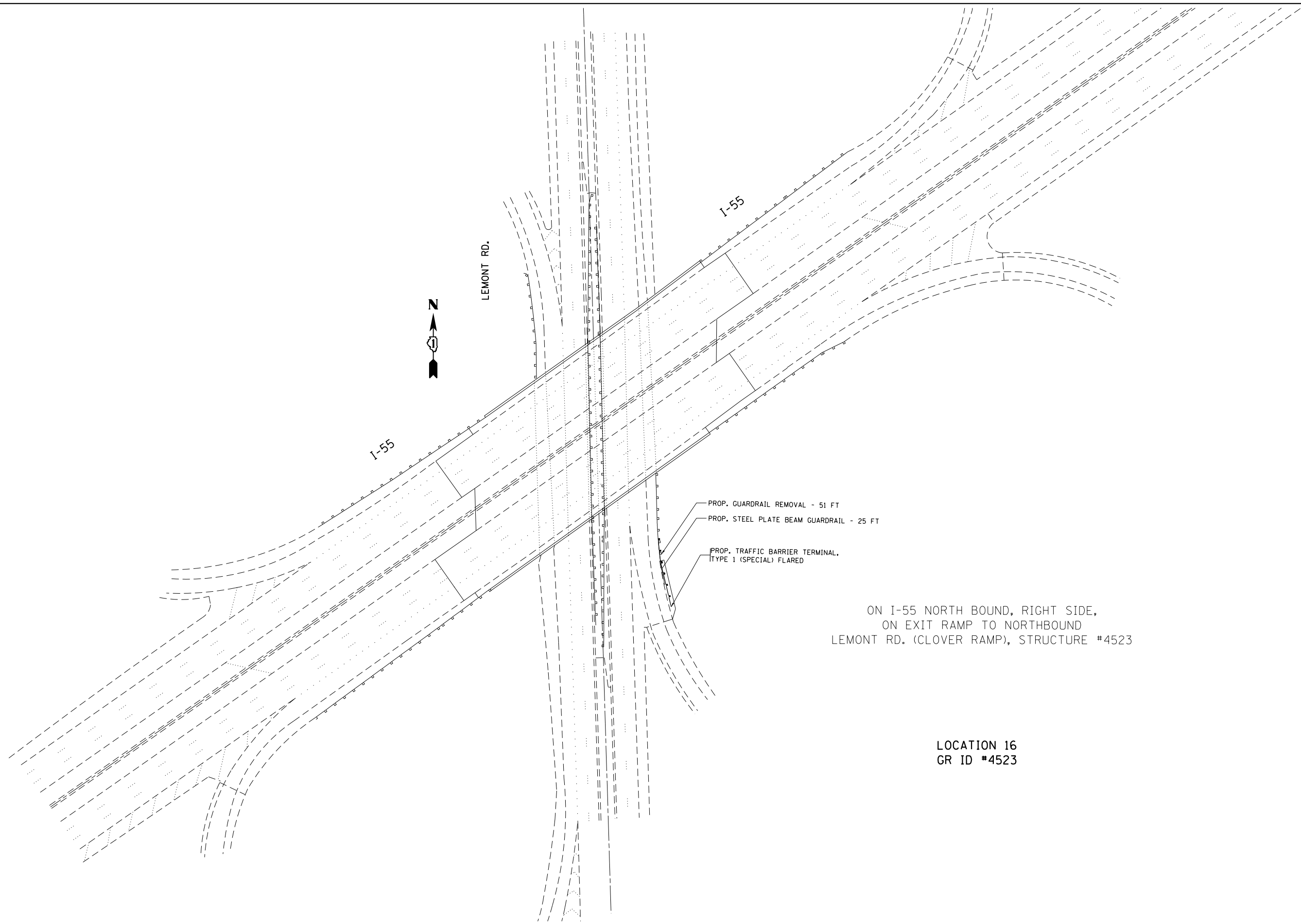
LOCATION 15
GR ID #4374

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	PLOT DATE = 10/17/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GUARDRAIL REPLACEMENT (SOUTH SECTION) ROADWAY PLAN			
SCALE: 1"=50'	SHEET 9	OF 23 SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2016-061-I	VARIOUS	44	17
			CONTRACT NO. 62D54	
ILLINOIS FED. AID PROJECT				



I-55

I-55

LEMONT RD.



- PROP. GUARDRAIL REMOVAL - 51 FT
- PROP. STEEL PLATE BEAM GUARDRAIL - 25 FT
- PROP. TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED

ON I-55 NORTH BOUND, RIGHT SIDE,
ON EXIT RAMP TO NORTHBOUND
LEMONT RD. (CLOVER RAMP), STRUCTURE #4523

LOCATION 16
GR ID #4523

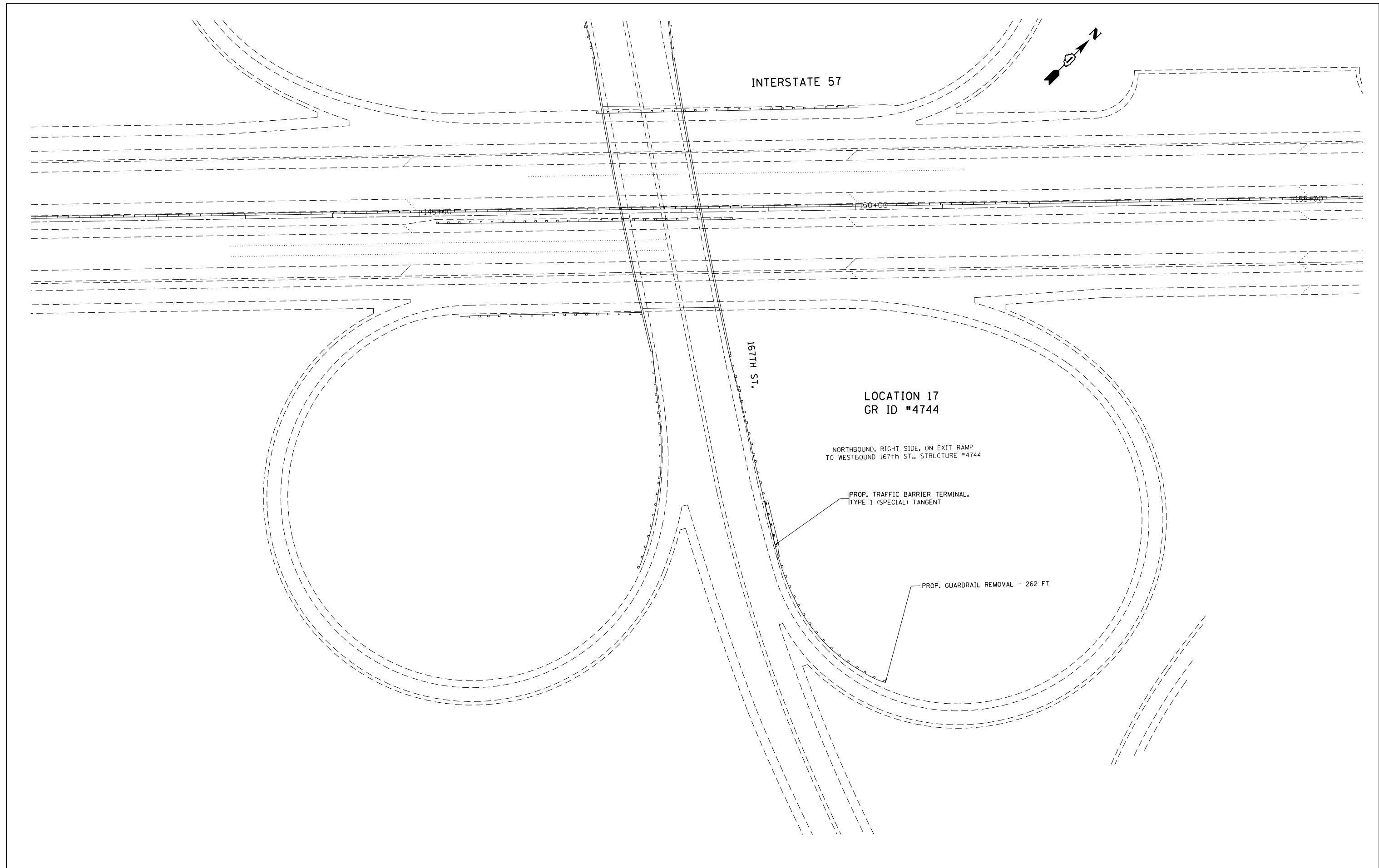
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 10/17/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GUARDRAIL REPLACEMENT (SOUTH SECTION)
ROADWAY PLAN**

SCALE: 1"=50' SHEET 10 OF 23 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2016-061-I	VARIOUS	44	18
			CONTRACT NO. 62D54	
ILLINOIS FED. AID PROJECT				



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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 10/17/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

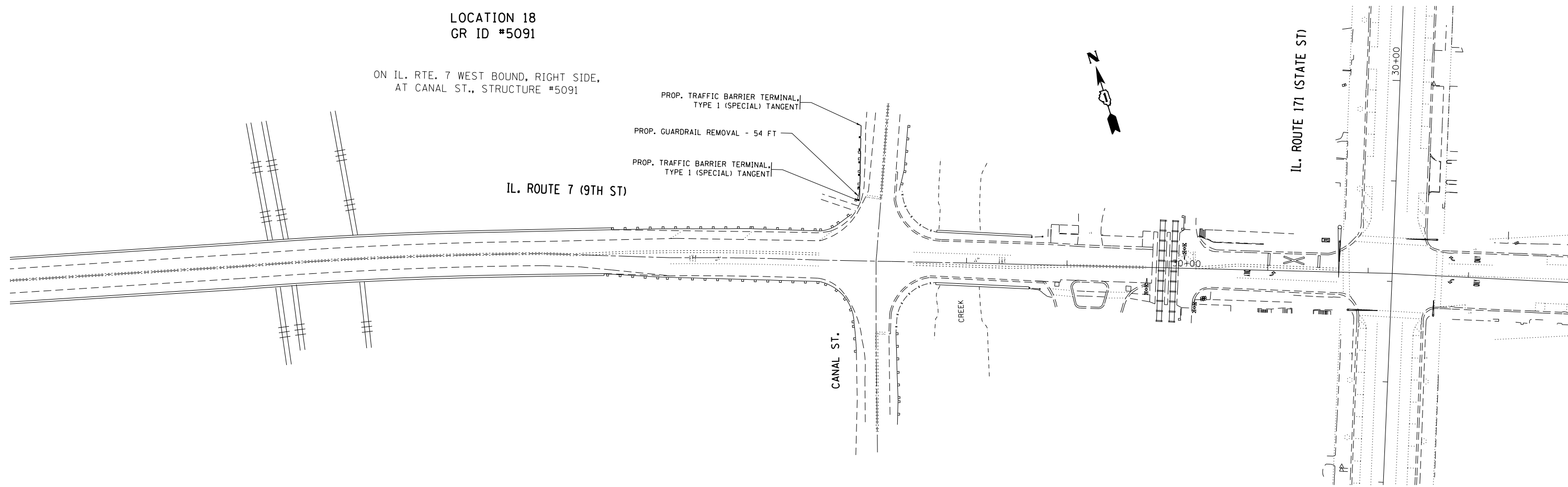
**GUARDRAIL REPLACEMENT (SOUTH SECTION)
ROADWAY PLAN**

SCALE: 1"=50' SHEET 11 OF 23 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2016-061-I	VARIOUS	44	19
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62D54	

LOCATION 18
GR ID #5091

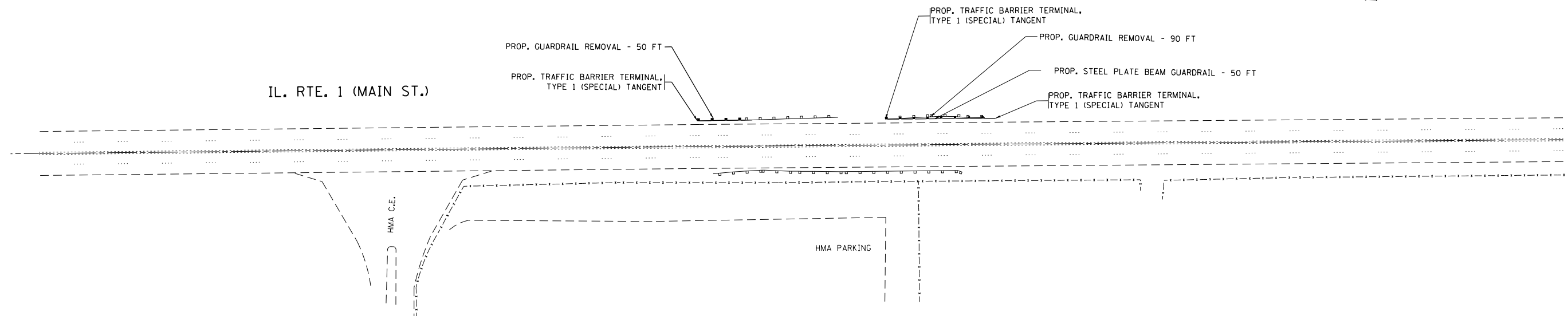
ON IL. RTE. 7 WEST BOUND, RIGHT SIDE,
AT CANAL ST., STRUCTURE #5091



LOCATION 19
GR ID #6177, #6178 & #6180

ON IL. RTE. 1 SOUTHBOUND, RIGHT SIDE,
1.2 MILES NORTH OF IL. RTE. 394, STRUCTURE #6180

ON IL. RTE. 1 SOUTHBOUND, RIGHT SIDE,
1.2 MILES NORTH OF IL. RTE. 394, STRUCTURE #6177 & #6178



FILE NAME =	USER NAME = Bilgomsa	DESIGNED -	REVISED -
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	PLOT DATE = 10/17/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

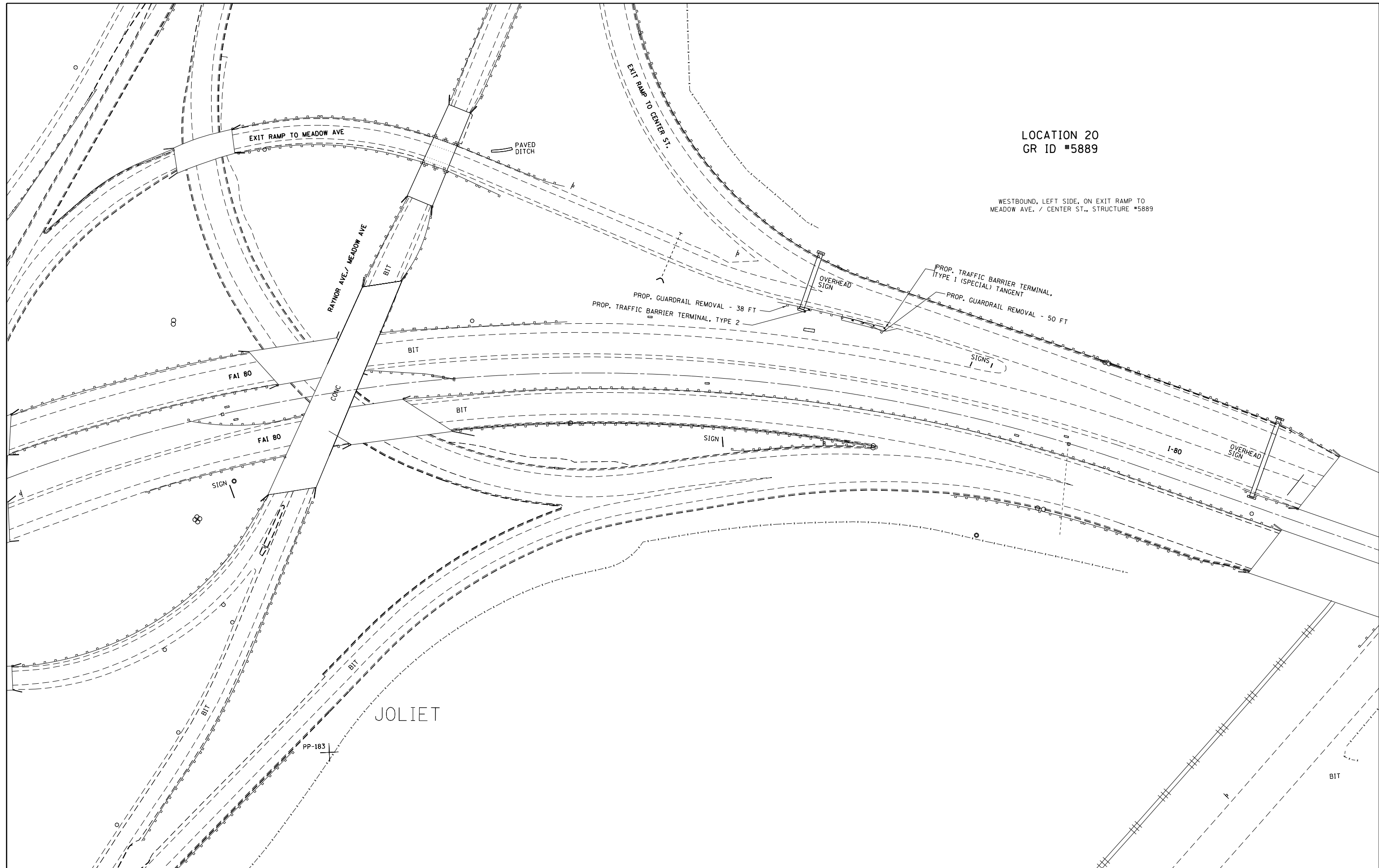
GUARDRAIL REPLACEMENT (SOUTH SECTION)
ROADWAY PLAN

SCALE: 1"=50' SHEET 12 OF 23 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2016-061-I	VARIOUS	44	20
CONTRACT NO. 62D54				
ILLINOIS FED. AID PROJECT				

LOCATION 20
GR ID #5889

WESTBOUND, LEFT SIDE, ON EXIT RAMP TO
MEADOW AVE. / CENTER ST., STRUCTURE #5889



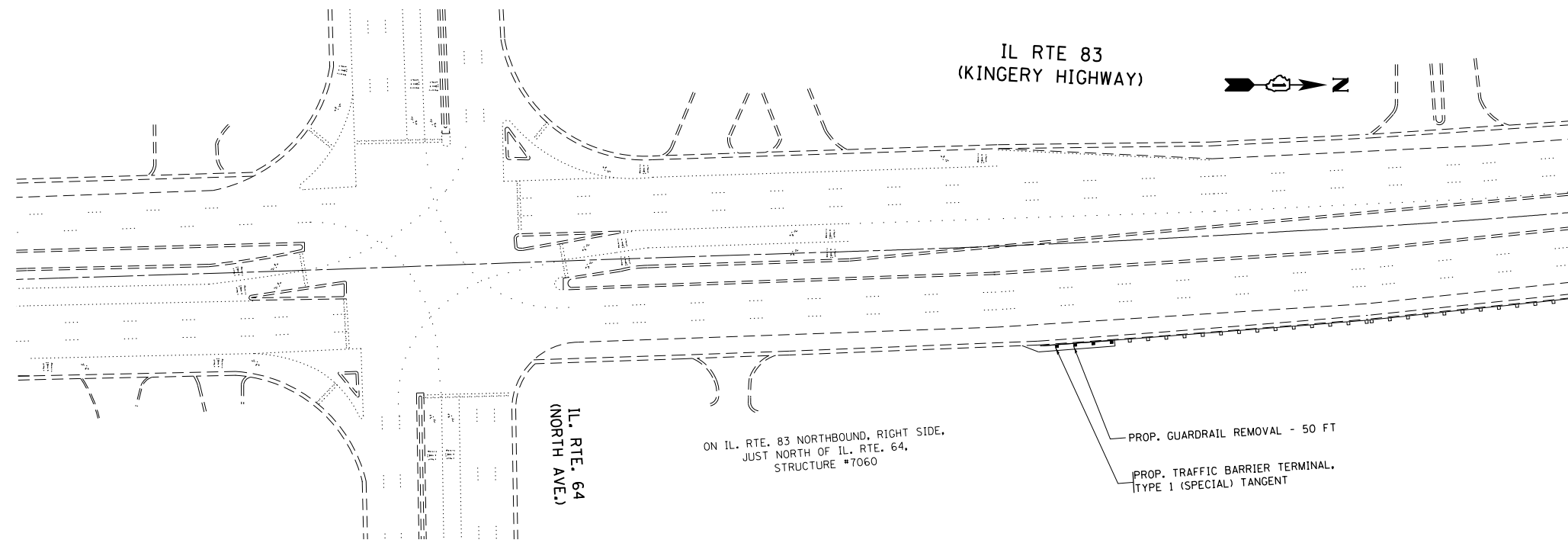
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 10/17/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

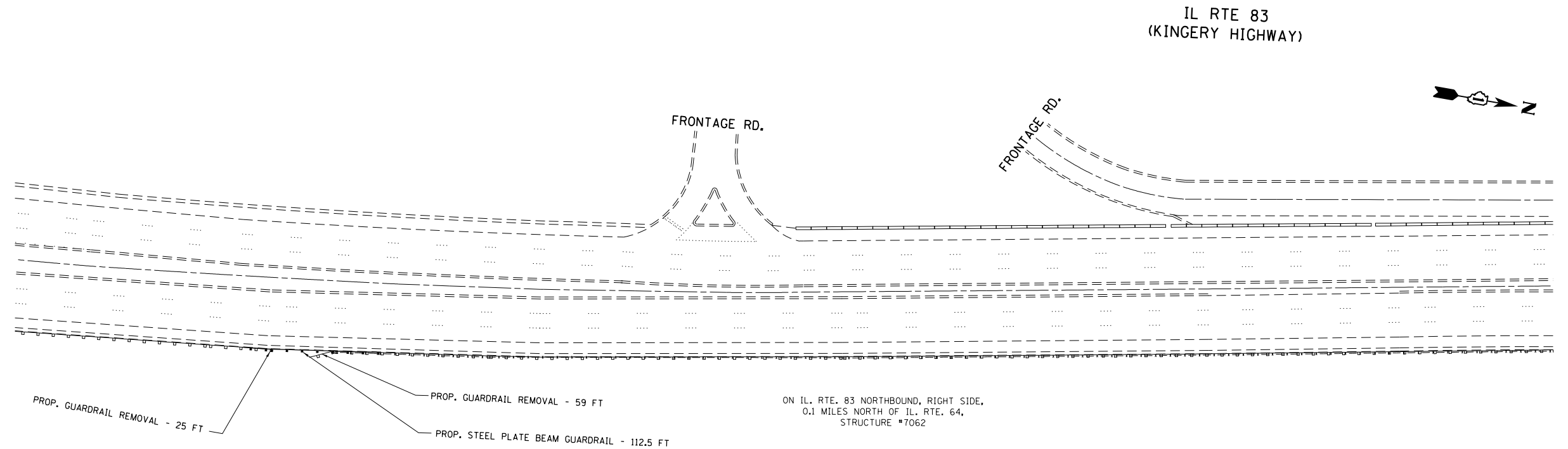
**GUARDRAIL REPLACEMENT (SOUTH SECTION)
ROADWAY PLAN**

SCALE: 1"=50' SHEET 13 OF 23 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2016-061-I	VARIOUS	44	21
			CONTRACT NO. 62D54	
ILLINOIS FED. AID PROJECT				



LOCATION 21
GR ID #7060



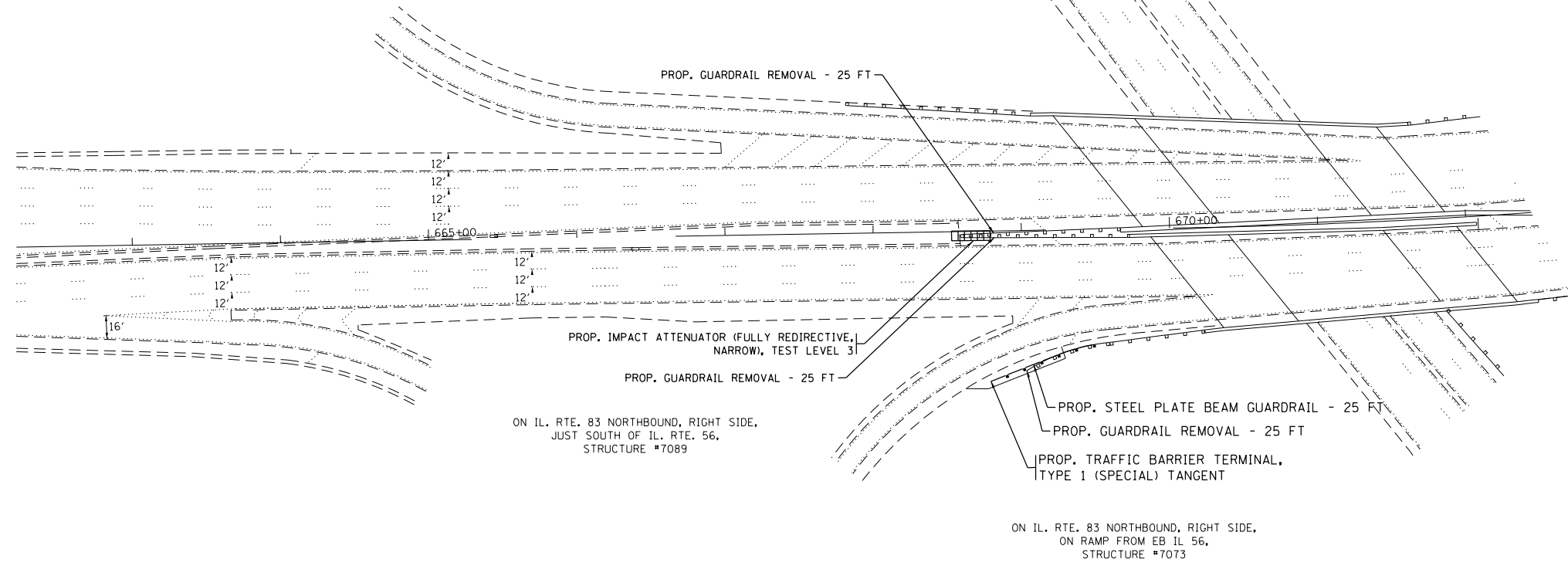
LOCATION 22
GR ID #7062

FILE NAME =	USER NAME = Bilgromiso	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GUARDRAIL REPLACEMENT (SOUTH SECTION) ROADWAY PLAN			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\IL\084EBIDINTEG\Illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\DI05217\Drawings\Design\DI05217-sht-plan.dgn	PLotted	CHECKED -	REVISED -					VAR	2016-061-I	VARIOUS	44	22
Default	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -		CONTRACT NO. 62D54			ILLINOIS FED. AID PROJECT				
	PLOT DATE = 10/17/2017				SCALE: 1"=50'	SHEET 14	OF 23 SHEETS	STA.	TO STA.			

IL RTE 83
(KINGERY HIGHWAY)



BUTTERFIELD ROAD



ON IL. RTE. 83 NORTHBOUND, RIGHT SIDE,
JUST SOUTH OF IL. RTE. 56,
STRUCTURE #7089

ON IL. RTE. 83 NORTHBOUND, RIGHT SIDE,
ON RAMP FROM EB IL 56,
STRUCTURE #7073

LOCATION 23
GR ID #7089

LOCATION 43
GR ID #7073

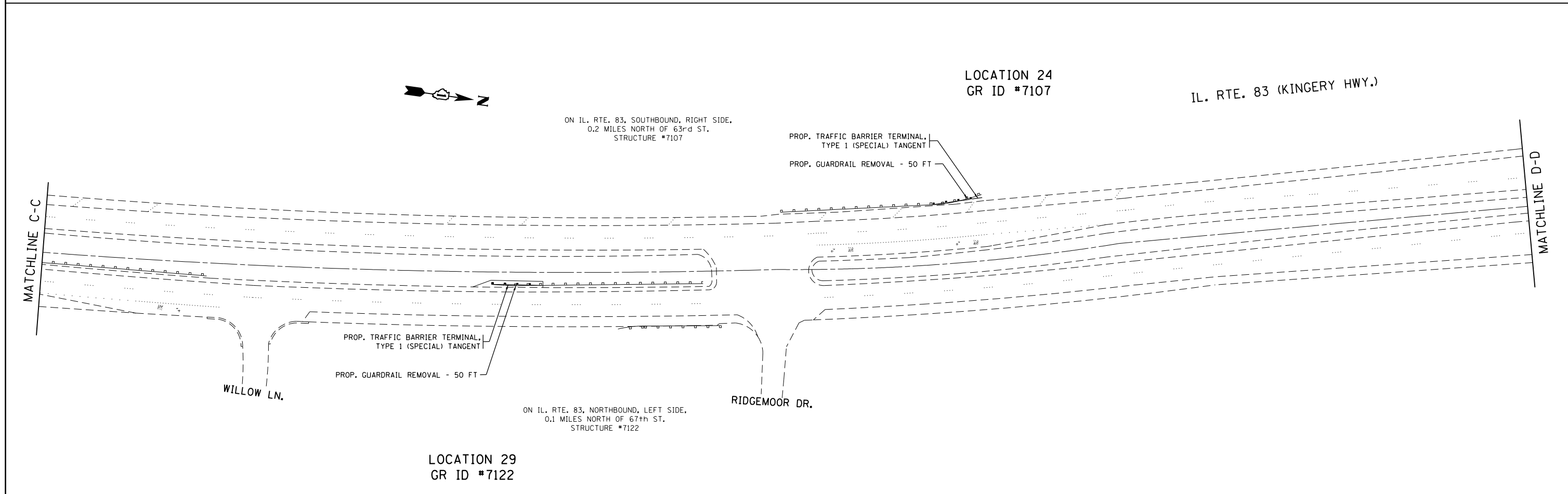
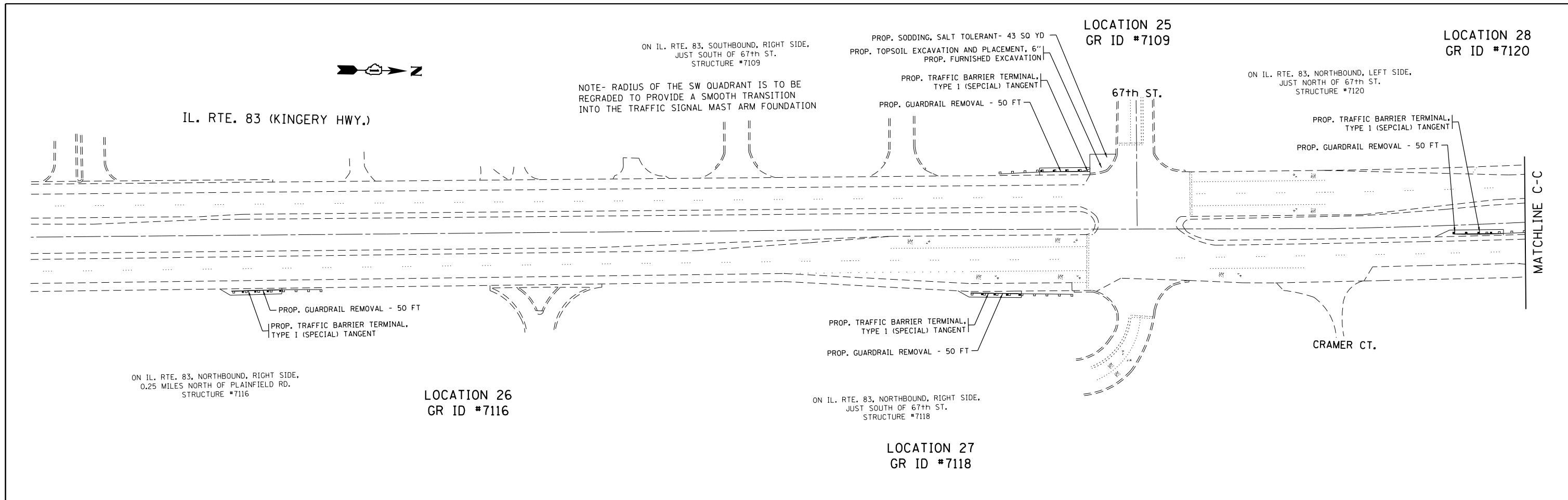
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Default	PLOT DATE = 10/17/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GUARDRAIL REPLACEMENT (SOUTH SECTION)
ROADWAY PLAN**

SCALE: 1"=50' SHEET 15 OF 23 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2016-061-I	VARIOUS	44	23
			CONTRACT NO. 62D54	
ILLINOIS FED. AID PROJECT				



FILE NAME =	USER NAME = Bilgromiso	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GUARDRAIL REPLACEMENT (SOUTH SECTION) ROADWAY PLAN	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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	PLOT DATE = 10/17/2017	DATE -	REVISED -			SCALE: 1"=50'	SHEET 16	OF 23 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT

IL. RTE. 83 (KINGERY HWY.)

63rd ST.



MATCHLINE D-D

PROP. TRAFFIC BARRIER TERMINAL,
TYPE 1 (SPECIAL) TANGENT

PROP. STEEL PLATE BEAM GUARDRAIL - 137.5 FT

PROP. GUARDRAIL REMOVAL - 50 FT

ON IL. RTE. 83, NORTHBOUND, RIGHT SIDE,
JUST SOUTH OF 63rd ST.
STRUCTURE #7126

LOCATION 30
GR ID #7126

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	PLOT DATE = 10/17/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GUARDRAIL REPLACEMENT (SOUTH SECTION)
ROADWAY PLAN**

SCALE: 1"=50' SHEET 17 OF 23 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2016-061-I	VARIOUS	44	25
CONTRACT NO. 62D54			ILLINOIS FED. AID PROJECT	

LOCATION 31
GR ID #7228

ON IL. RTE. 38 WESTBOUND, RIGHT SIDE,
0.25 MILES WEST OF IL. RTE. 83,
STRUCTRE #7228

MONTEREY AVE.

PROP. TRAFFIC BARRIER TERMINAL,
TYPE 1 (SPECIAL) TANGENT
PROP. GUARDRAIL REMOVAL - 50 FT

IL. RTE. 38
(ROOSEVELT RD.)



EXIT RAMP
IL. ROUTE 83

ENTRANCE RAMP
IL. ROUTE 83

PROP. TRAFFIC BARRIER TERMINAL,
(SPECIAL) FLARED
PROP. GUARDRAIL REMOVAL - 50 FT

25+00

30+00

35+00

ON IL. RTE. 38 WESTBOUND, LEFT SIDE,
JUST WEST OF IL. RTE. 83, STRUCTURE #7248

ENTRANCE RAMP
IL. ROUTE 83

LOCATION 32
GR ID #7248

FILE NAME =	USER NAME = Bilgromiso	DESIGNED -	REVISED -
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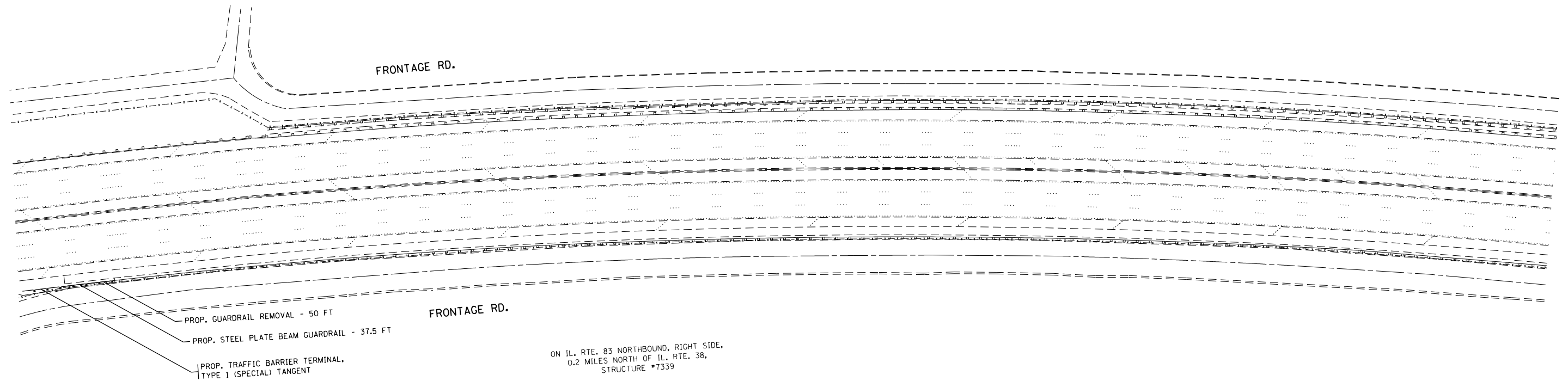
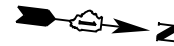
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GUARDRAIL REPLACEMENT (SOUTH SECTION)
ROADWAY PLAN**

SCALE: 1"=50' SHEET 18 OF 23 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2016-061-I	VARIOUS	44	26
CONTRACT NO. 62D54			ILLINOIS FED. AID PROJECT	

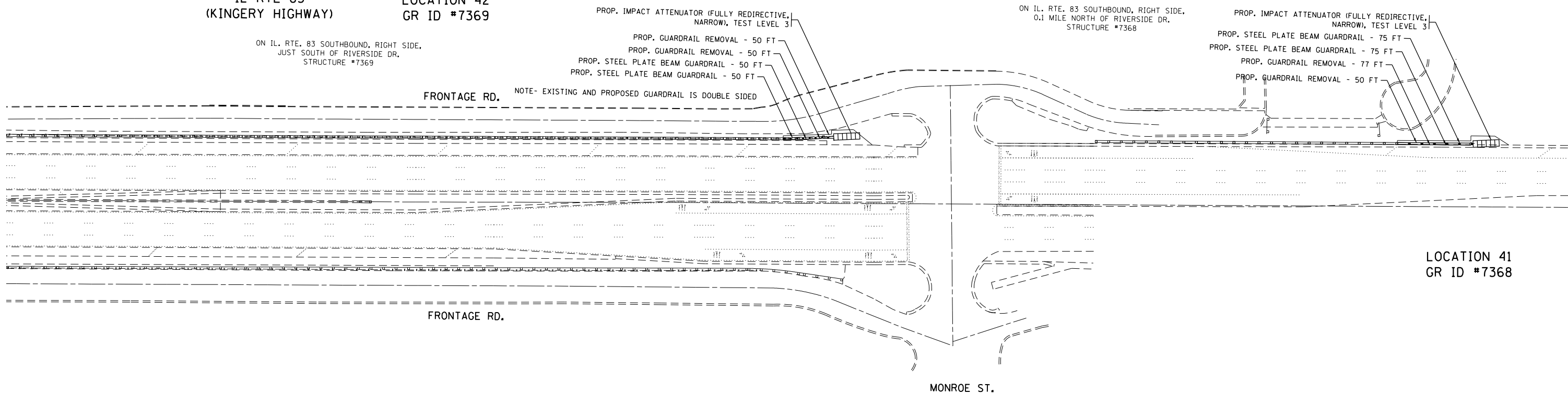
IL RTE 83
(KINGERY HIGHWAY)



LOCATION 33
GR ID #7339

IL RTE 83
(KINGERY HIGHWAY)

LOCATION 42
GR ID #7369



LOCATION 41
GR ID #7368

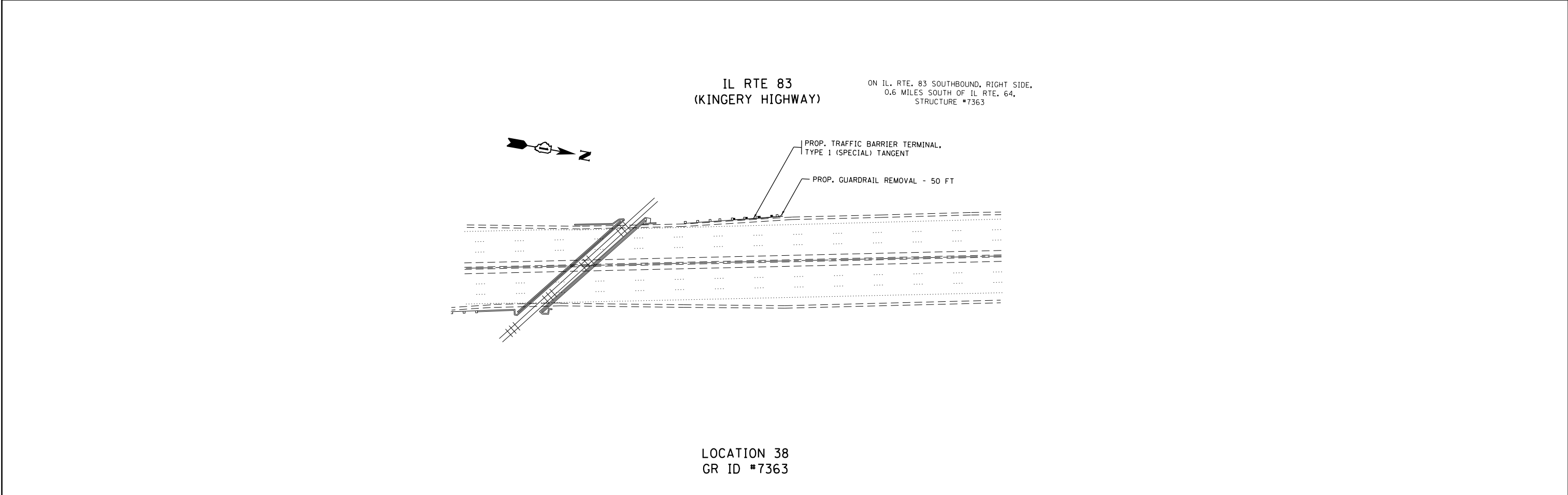
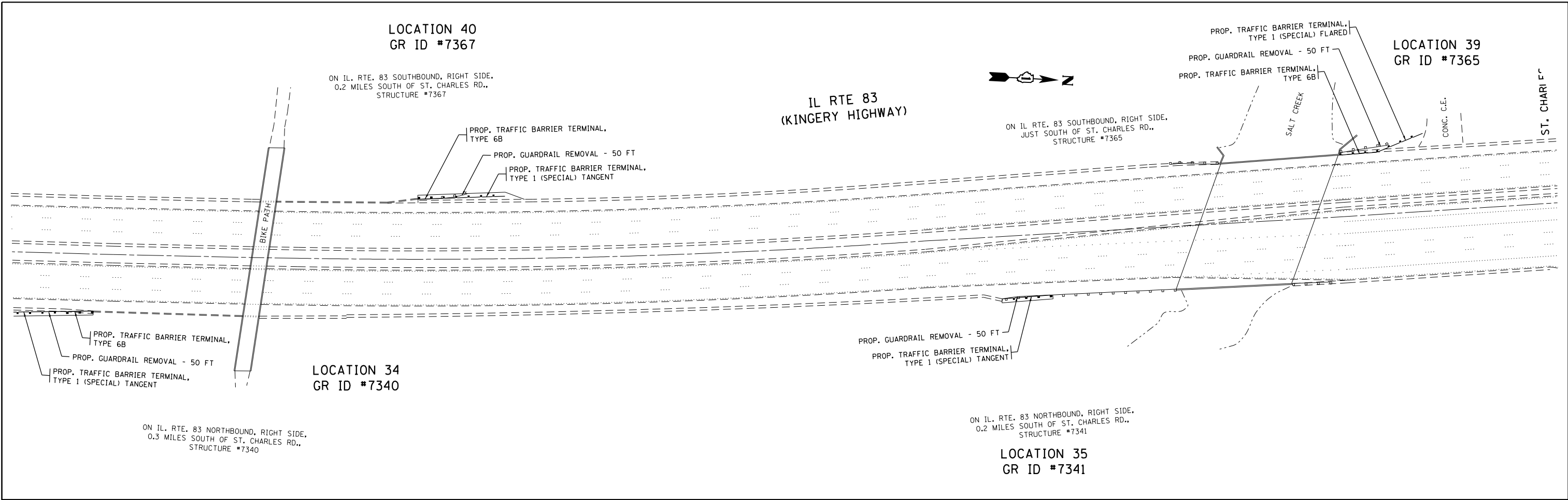
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	PLOT DATE = 10/17/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GUARDRAIL REPLACEMENT (SOUTH SECTION)
ROADWAY PLAN

SCALE: 1"=50' SHEET 19 OF 23 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2016-061-I	VARIOUS	44	27
			CONTRACT NO. 62D54	
ILLINOIS FED. AID PROJECT				



FILE NAME =	USER NAME = Bilgromiso	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GUARDRAIL REPLACEMENT (SOUTH SECTION) ROADWAY PLAN			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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Default	PLOT SCALE = 100.0000' / 1in.	DATE -	REVISED -		CONTRACT NO. 62D54			ILLINOIS FED. AID PROJECT				
	PLOT DATE = 10/17/2017	DATE -	REVISED -		SCALE: 1"=50'	SHEET 20	OF 23 SHEETS	STA.	TO STA.			

LOCATION 37
GR ID #7359

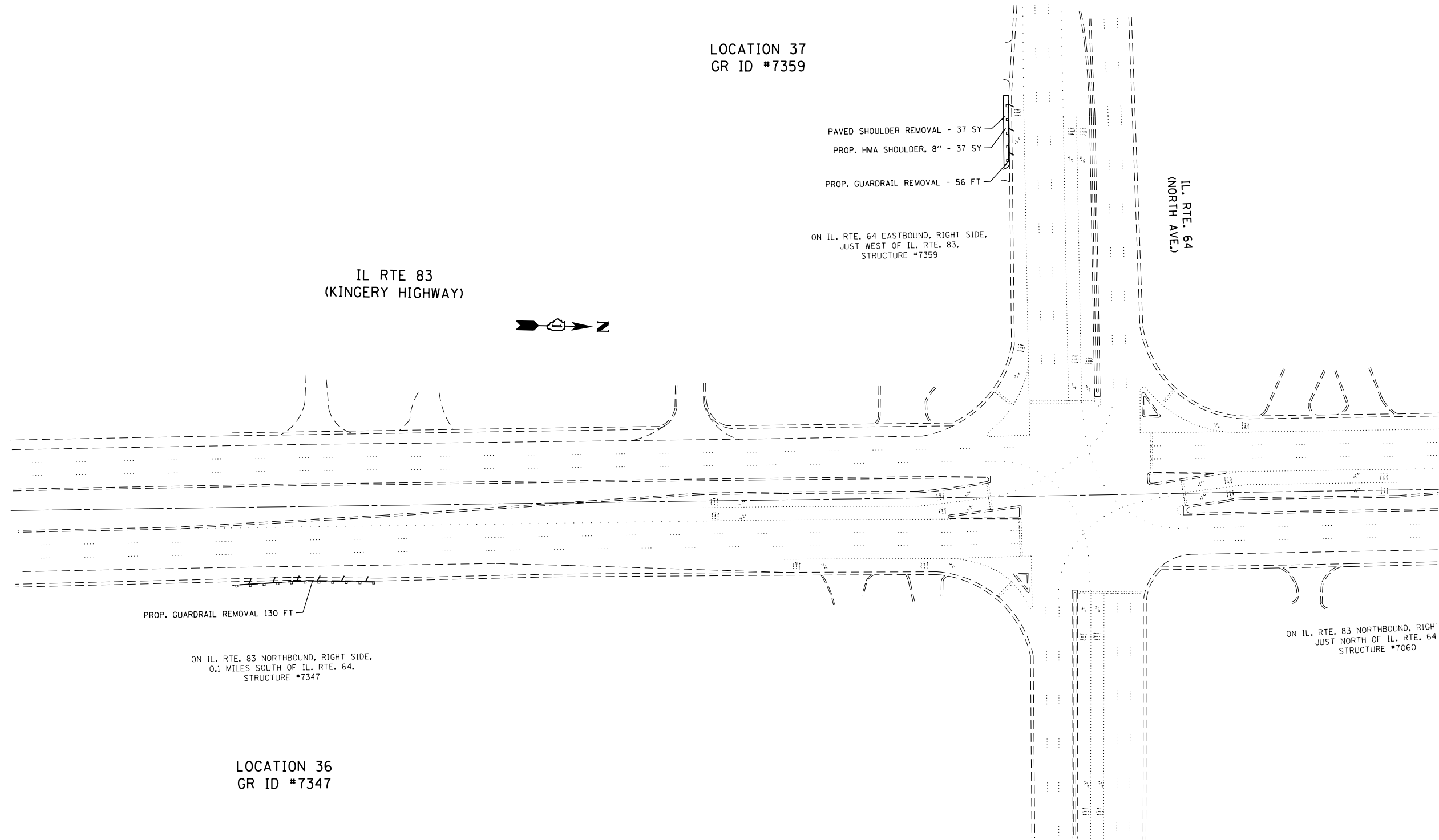
PAVED SHOULDER REMOVAL - 37 SY
PROP. HMA SHOULDER, 8" - 37 SY
PROP. GUARDRAIL REMOVAL - 56 FT

ON IL. RTE. 64 EASTBOUND, RIGHT SIDE,
JUST WEST OF IL. RTE. 83,
STRUCTURE #7359

IL RTE 83
(KINGERY HIGHWAY)



IL. RTE. 64
(NORTH AVE.)



PROP. GUARDRAIL REMOVAL 130 FT

ON IL. RTE. 83 NORTHBOUND, RIGHT SIDE,
0.1 MILES SOUTH OF IL. RTE. 64,
STRUCTURE #7347

ON IL. RTE. 83 NORTHBOUND, RIGH
JUST NORTH OF IL. RTE. 64
STRUCTURE #7060

LOCATION 36
GR ID #7347

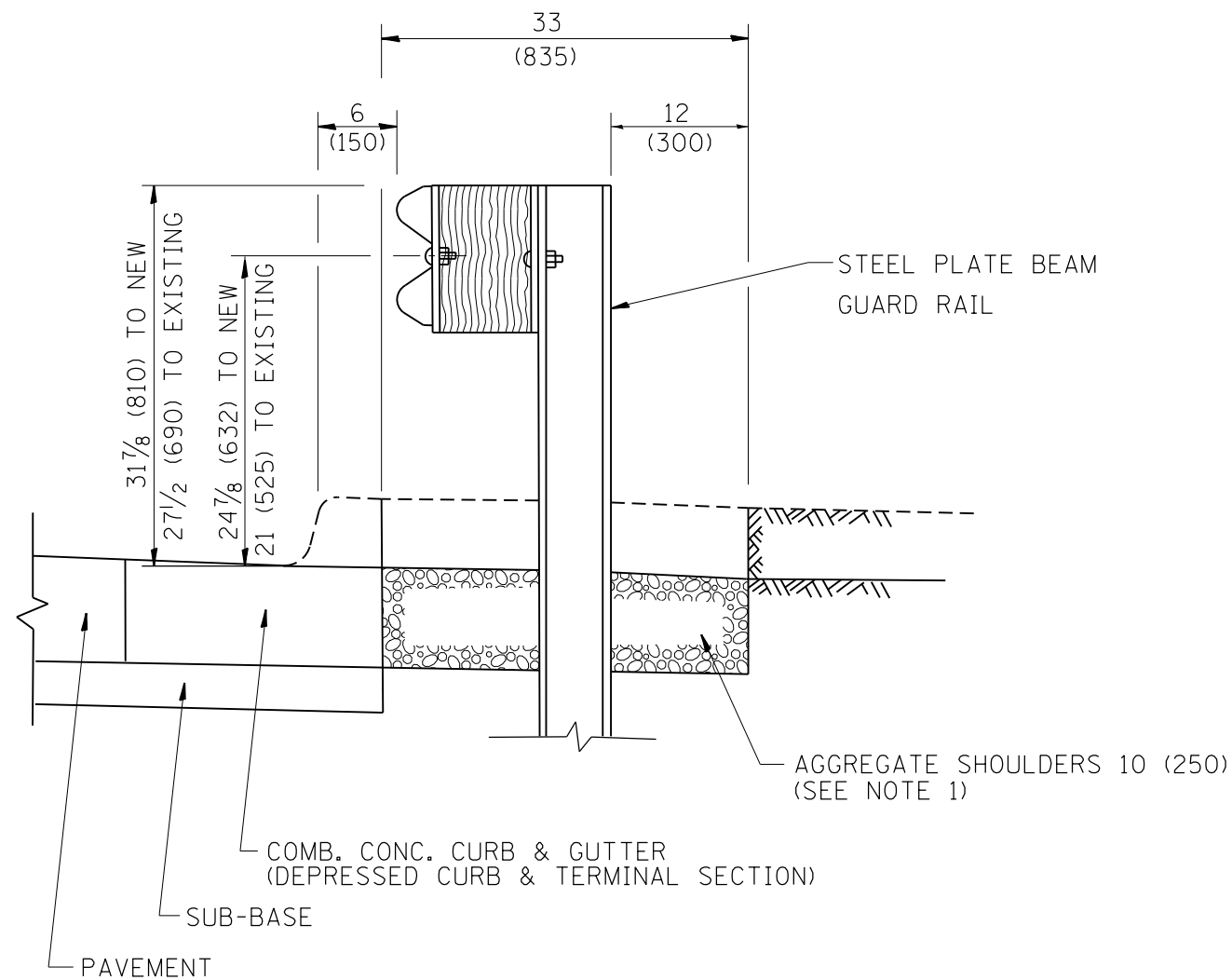
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 10/17/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GUARDRAIL REPLACEMENT (SOUTH SECTION)
ROADWAY PLAN

SCALE: 1"=50' SHEET 21 OF 23 SHEETS STA. TO STA.

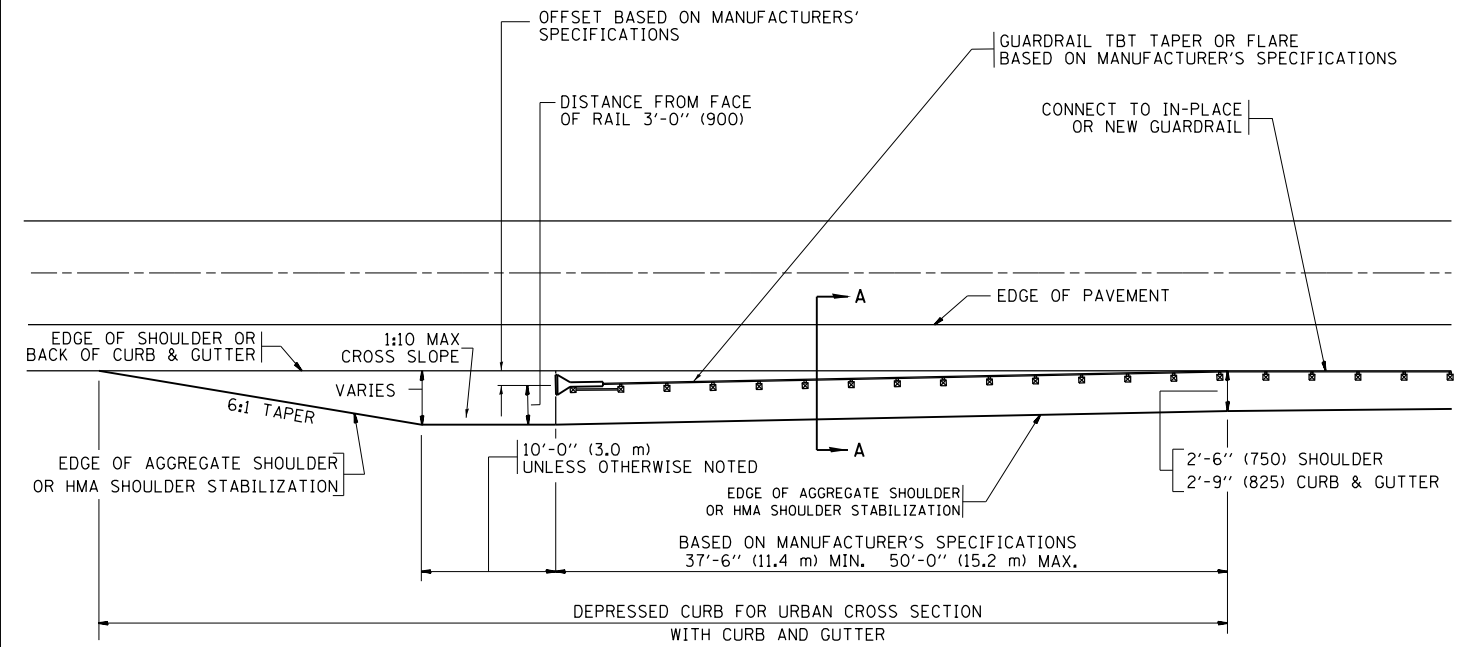
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2016-061-I	VARIOUS	44	29
CONTRACT NO. 62D54			ILLINOIS FED. AID PROJECT	



SECTION A-A

- NOTES:
1. THE AGGREGATE SHOULDER, 10" OR HMA SHOULDER, 6" (IF REQUIRED) SHALL EXTEND UNDER THE TRAFFIC BARRIER TERMINAL.
 2. "EXISTING" GUARDRAIL REFERS TO CONNECTING TERMINAL SECTION TO GUARD RAILING PRIOR TO THE MIDWEST GUARDRAIL SYSTEM.
 3. THE CONTRACTOR SHALL VERIFY THE TYPE/HEIGHT OF GUARDRAIL IN-PLACE BEFORE ORDERING THE NEW TERMINAL SECTION. COST INCLUDED WITH THE COST OF THE TERMINAL. THE TERMINAL SECTION HEIGHT TO BE PLACED MUST MATCH THE HEIGHT OF THE IN-PLACE GUARDRAIL.

**DETAILS FOR STEEL PLATE BEAM
GUARD RAIL ADJACENT TO CURB AND GUTTER
[FOR ROADWAY SPEED 35 MPH (60 kmh) TO 45 MPH (70 kmh)]**



**DEPRESSED CURB AND GUTTER AND
SHOULDER TREATMENT AT TBT TY. 1 SPL.**

BASIS OF PAYMENT: HMA SHOULDERS 6 (150) (IF REQUIRED) WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SHOULDERS 6" (150 mm)".

STEEL PLATE BEAM GUARD RAIL AND TRAFFIC BARRIER TERMINAL, OF THE TYPE SPECIFIED WILL BE PAID FOR SEPARATELY.

TBT = TRAFFIC BARRIER TERMINAL
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

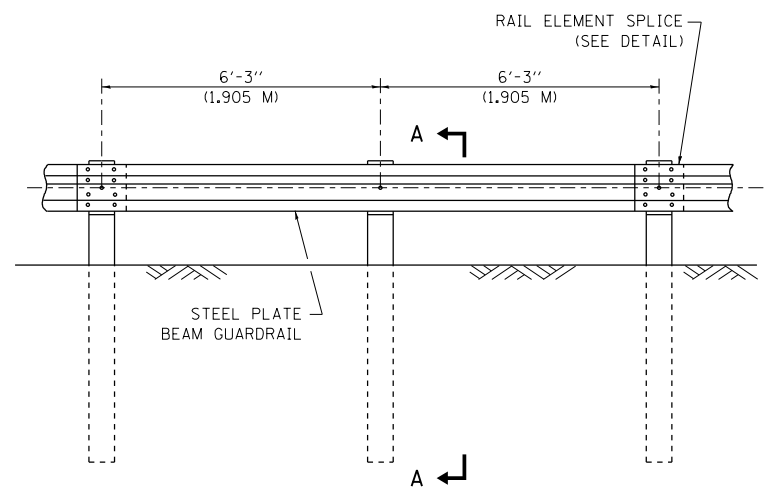
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	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - R. BORO 12-08-2008
	PLOT DATE = 10/17/2017	DATE - 09-22-90	REVISED - R. BORO 09-14-2009

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETAILS FOR DEPRESSED CURB & GUTTER AND
SHOULDER TREATMENT AT TBT TY 1 SPL.**

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

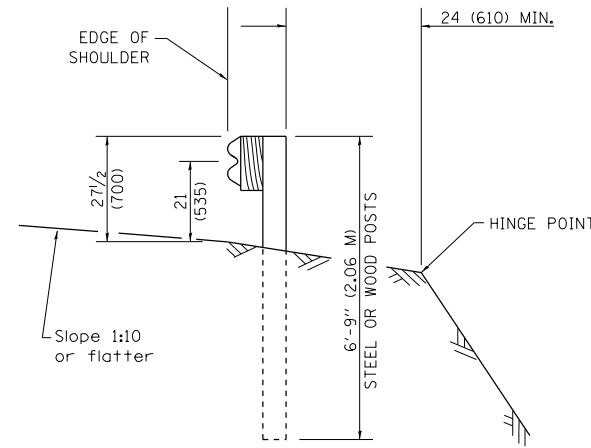
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2016-061-I	VARIOUS	44	32
BD600-10 (BD 34)		CONTRACT NO. 62D54		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



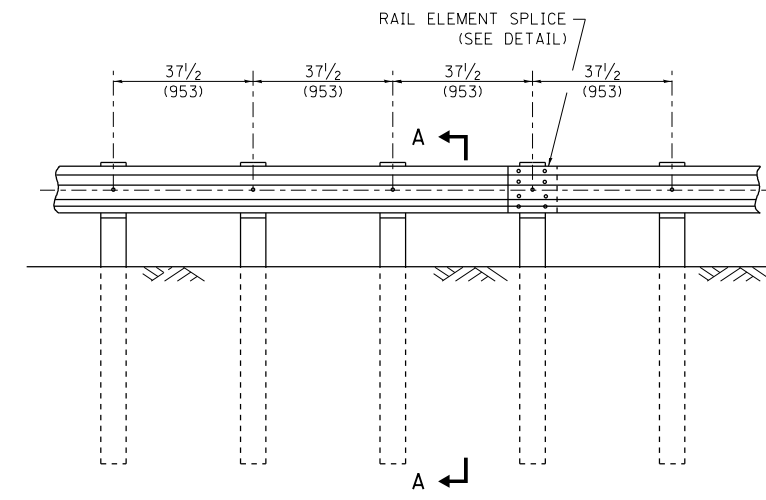
ELEVATION

TYPE A

6'-3" (1.905 M) TYPICAL POST SPACING



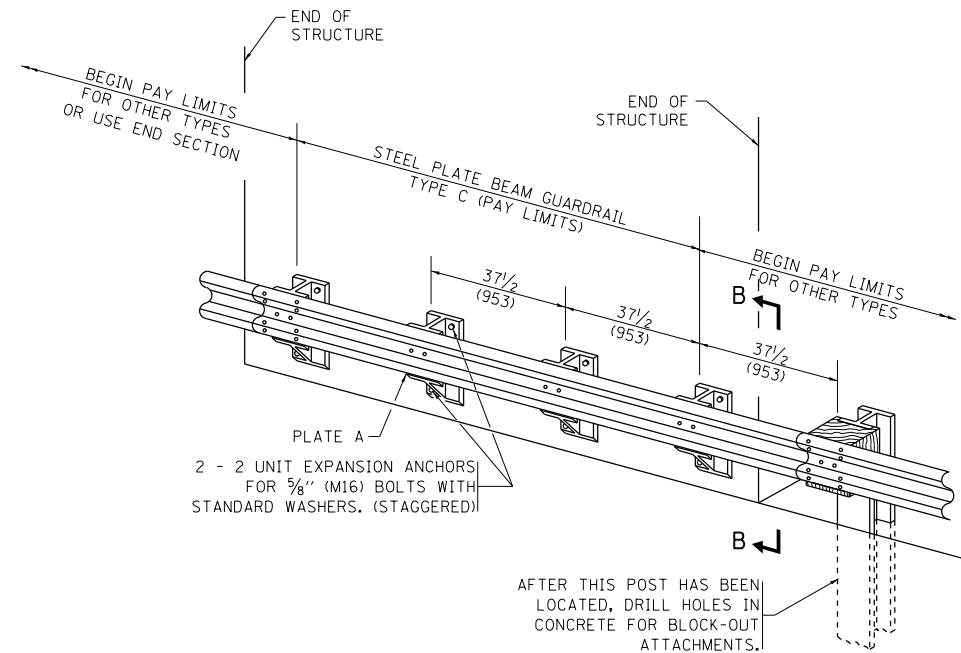
SECTION A-A



ELEVATION

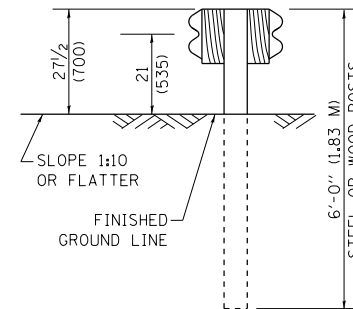
TYPE A

37 1/2 (953) CLOSED POST SPACING

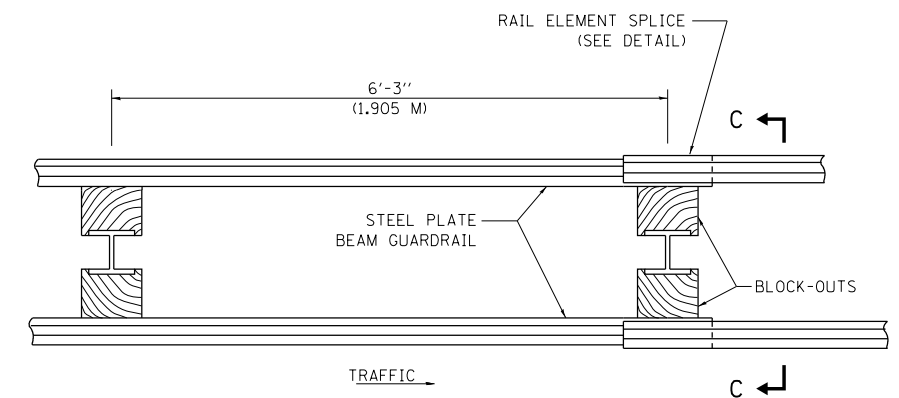


TYPE C

37 1/2 (953) BLOCK-OUT SPACING



SECTION C-C

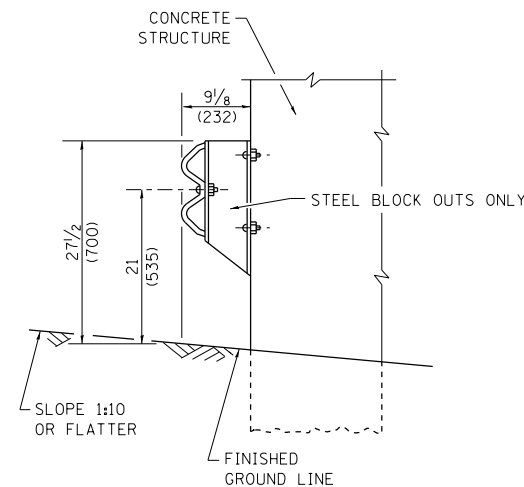


TRAFFIC

PLAN

TYPE D

DOUBLE STEEL PLATE BEAM GUARDRAIL
6'-3" (1.905 M) TYPICAL POST SPACING



SECTION B-B

GENERAL NOTES

ALL SLOPE RATIOS ARE EXPRESSED AS UNITS OF VERTICAL DISPLACEMENT TO UNITS OF HORIZONTAL DISPLACEMENT (V:H).

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

THE EXISTING STEEL POSTS MAY BE DRILLED TO MATCH THE BOLT PATTERN SHOWN HEREIN FOR THE WOOD BLOCK-OUT, OR A NEW STEEL POST SHALL BE PROVIDED.

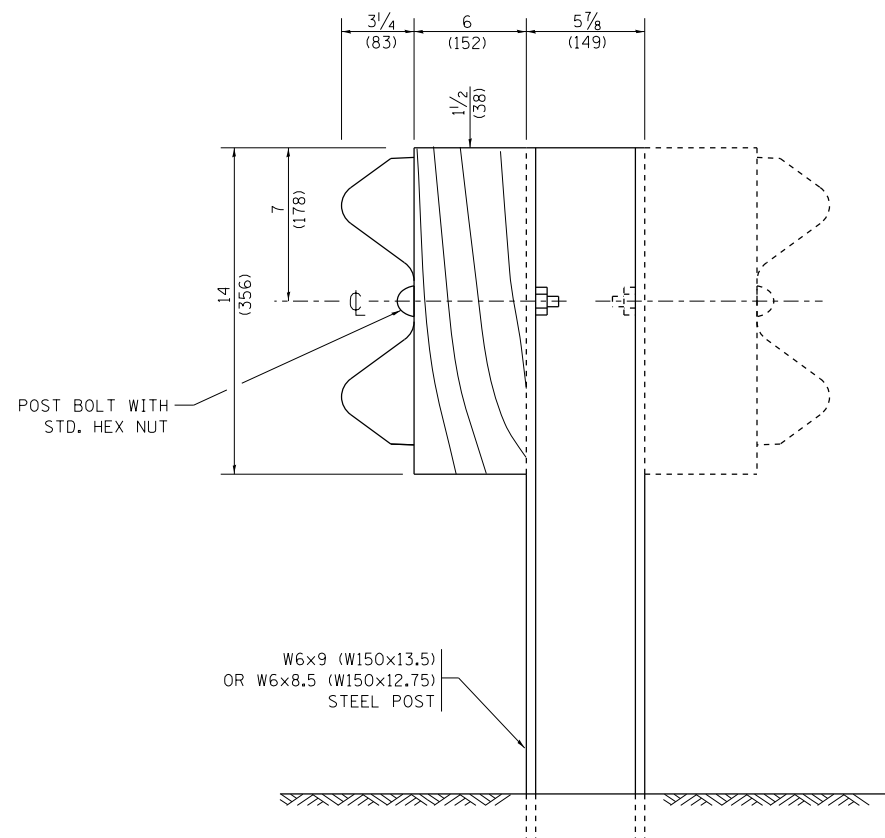
THIS DETAIL IS APPLICABLE TO THE GUARDRAIL SYSTEM USED PRIOR TO JANUARY 1, 2007. FOR DETAILS ON THE MIDWEST GUARDRAIL SYSTEM, SEE STANDARD 630001.

FILE NAME =	USER NAME = Bilgromiso	DESIGNED -	REVISED - 10-31-06
pw:\IL\084EBID\INTEG\Illinois.gov\PWIDOT\Documents\DOT Offices\District 1\Projects\DI082\Drawings\Design\Diststd.dgn		CHECKED -	REVISED -
		DATE -	REVISED -

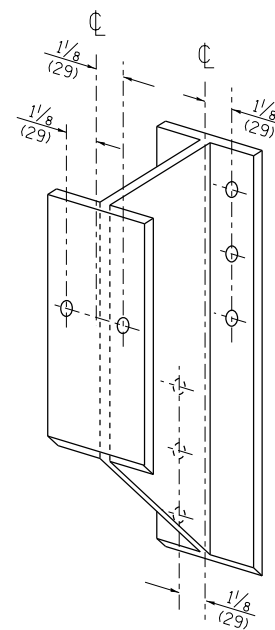
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL			
SCALE: NONE	SHEET NO. 1 OF 4 SHEETS	STA.	TO STA.

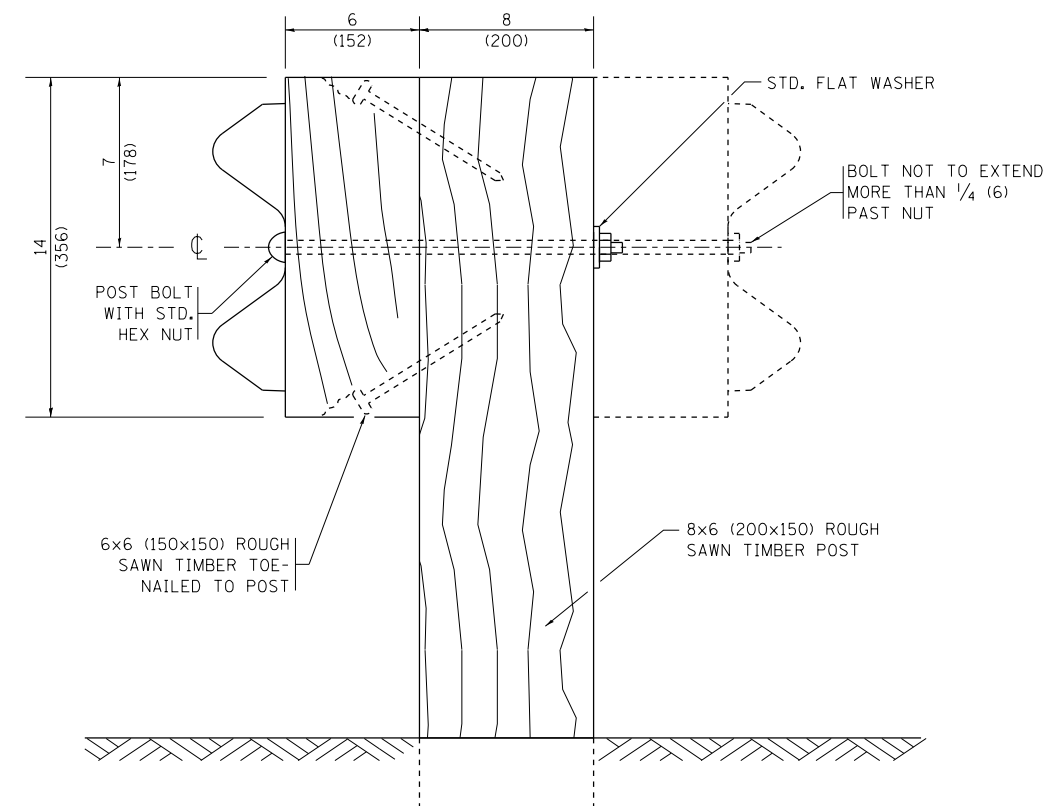
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2016-061-I	VARIOUS	44	33
BM-21		CONTRACT NO. 62D54		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



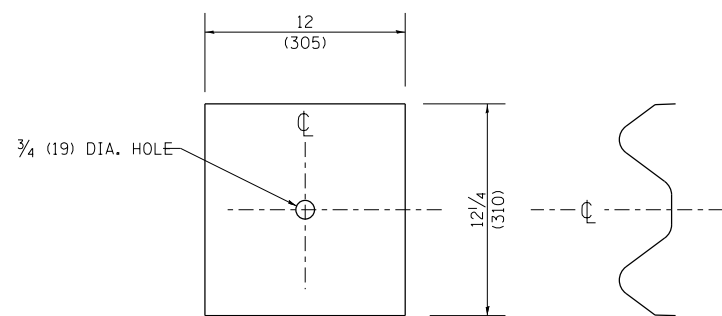
STEEL POST CONSTRUCTION



STEEL BLOCK-OUT DETAIL



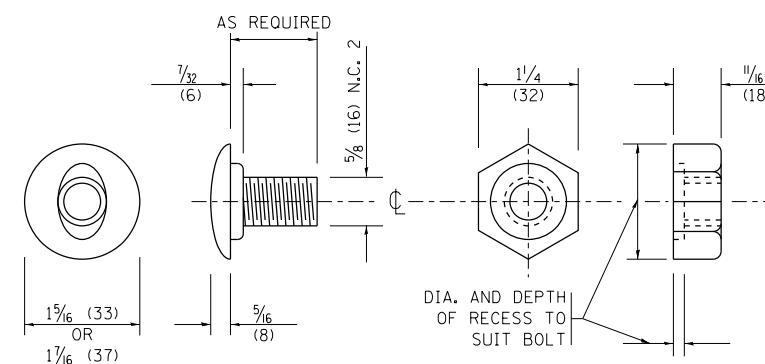
WOOD POST CONSTRUCTION



NOTE:

PLATE A SHALL BE PLACED BETWEEN RAIL ELEMENT AND BLOCK-OUT AT NON-SPLICE MOUNTING POINTS ONLY WHEN STEEL BLOCK-OUTS ARE USED.

PLATE A



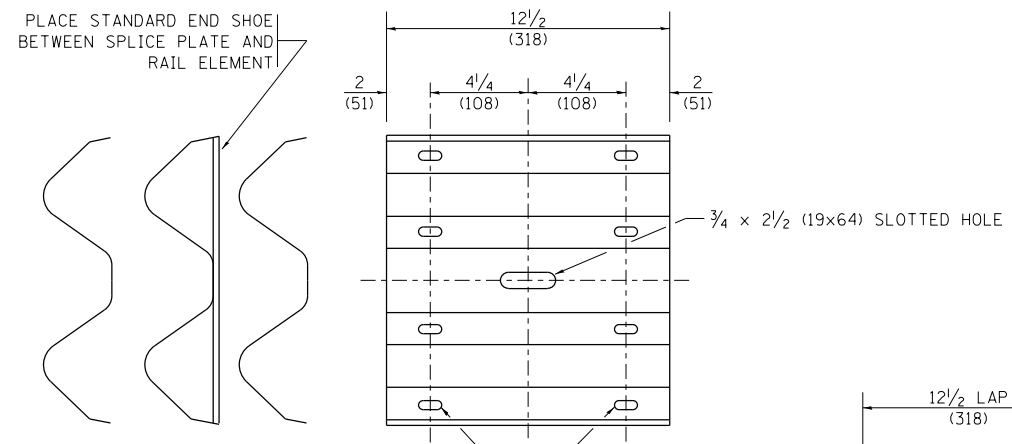
POST OR SPLICE BOLT & NUT

FILE NAME =	USER NAME = Bilgramisa	DESIGNED -	REVISED - 10-31-06
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		DATE -	REVISED -

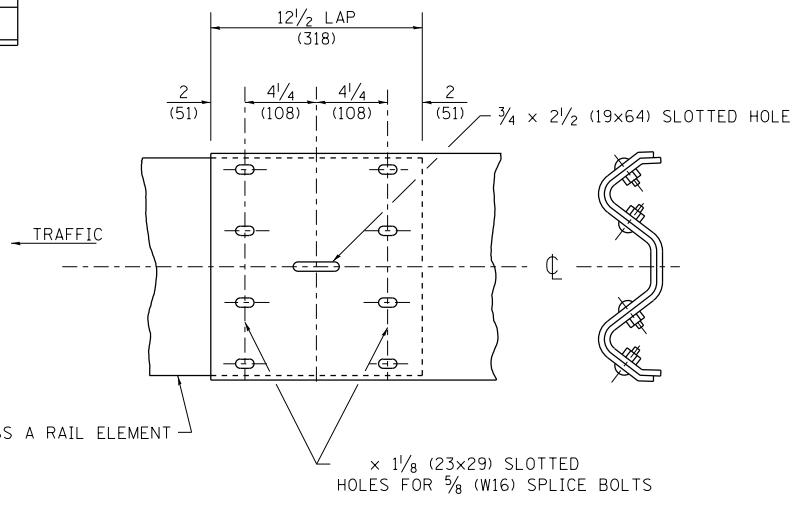
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL			
SCALE: NONE	SHEET NO. 2 OF 4 SHEETS	STA.	TO STA.

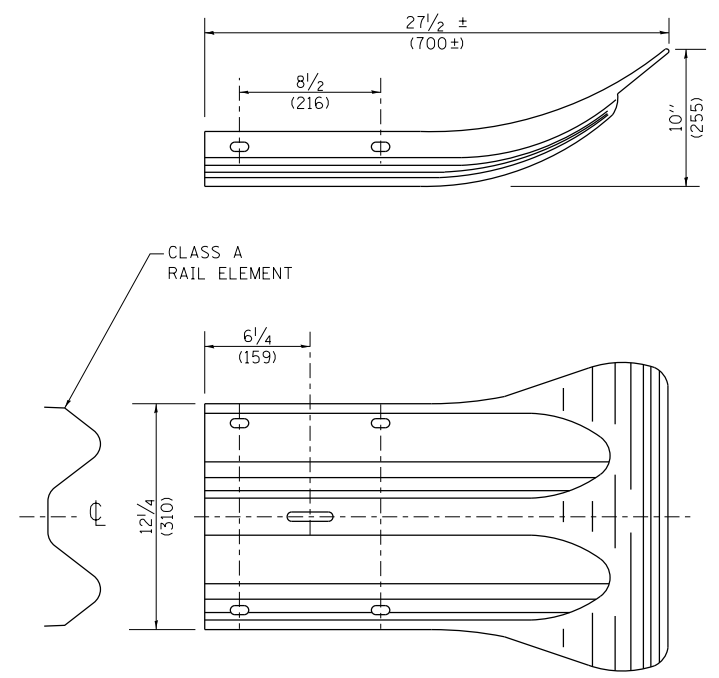
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2016-061-I	VARIOUS	44	34
BM-21		CONTRACT NO. 62D54		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



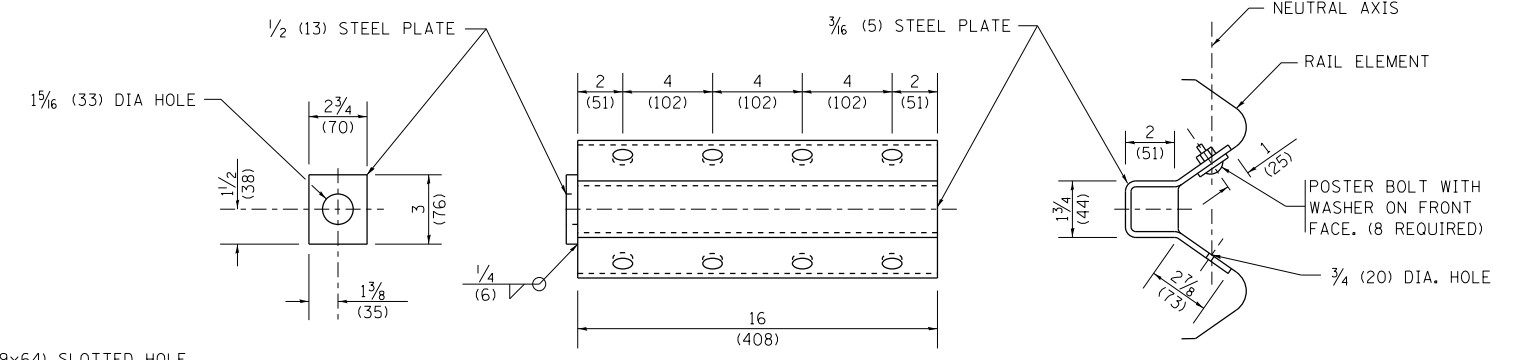
SPLICE PLATE



RAIL ELEMENT SPLICE



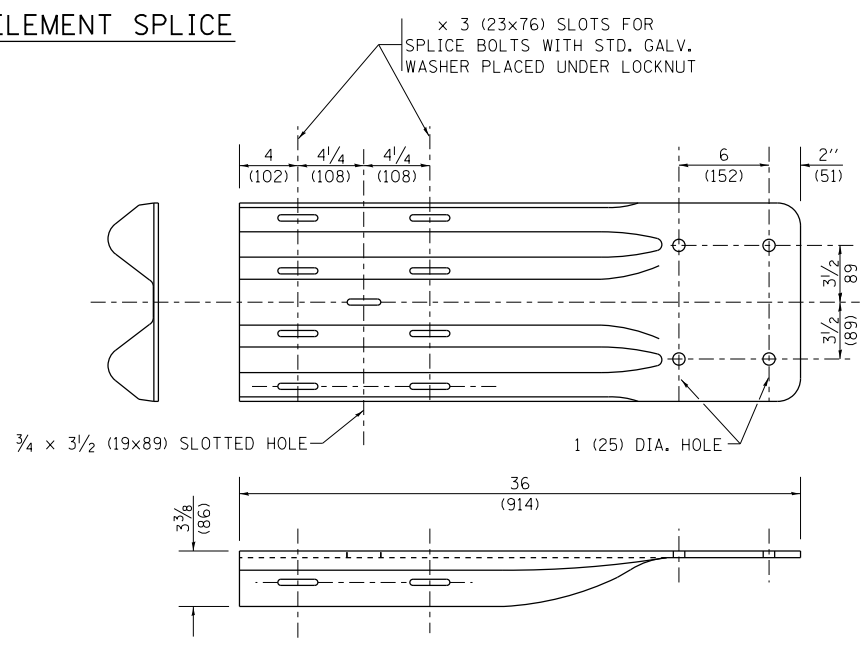
END SECTION



NOTE:

ANCHOR PLATE T SHALL BE USED TO ATTACH CABLE ASSEMBLY TO GUARDRAIL WHEN REQUIRED ON TRAFFIC BARRIER TERMINALS.

ANCHORE PLATE T DETAILS



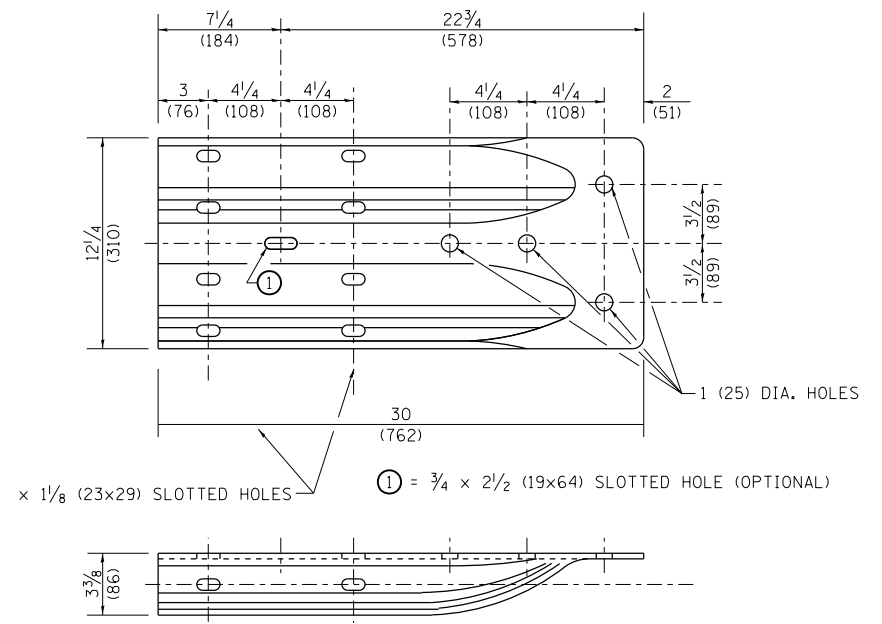
END SHOE

NOTE:

WHEN END SHOE IS ATTACHED TO A BRIDGE PARAPET WHICH HAS AN EXPANSION JOINT, THE BOLTS SHALL BE PROVIDED WITH A LOCKNUT OR DOUBLE NUT AND SHALL BE TIGHTENED ONLY TO A POINT THAT WILL ALLOW GUARDRAIL MOVEMENT.

THE STANDARD END SHOE SHALL BE ATTACHED TO THE CONCRETE WITH PRE-DRILLED OR SELF-DRILLING ANCHOR BOLTS. THE ANCHOR CONE SHALL BE SET FLUSH WITH THE SURFACE OF THE CONCRETE.

EXTERNALLY THREADED STUDS PROTRUDING FROM THE SURFACE OF THE CONCRETE WILL NOT BE PERMITTED.



ALTERNATE END SHOE

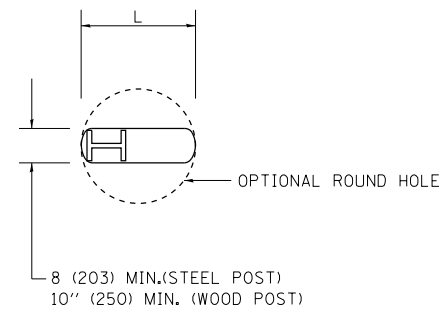
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		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

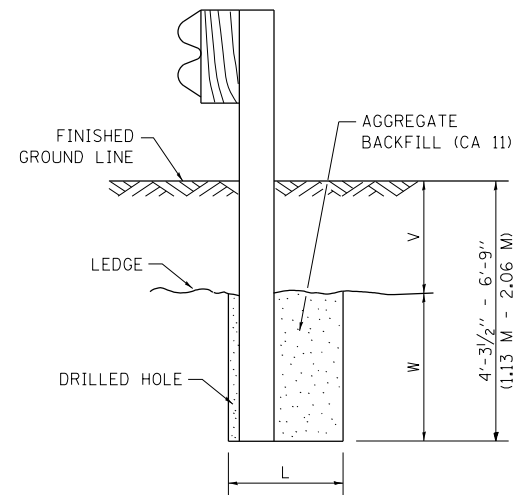
**REMOVE AND REERECT
STEEL PLATE BEAM GUARDRAIL**

SCALE: NONE SHEET NO. 3 OF 4 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2016-061-I	VARIOUS	44	35
BM-21		CONTRACT NO. 62D54		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



PLAN

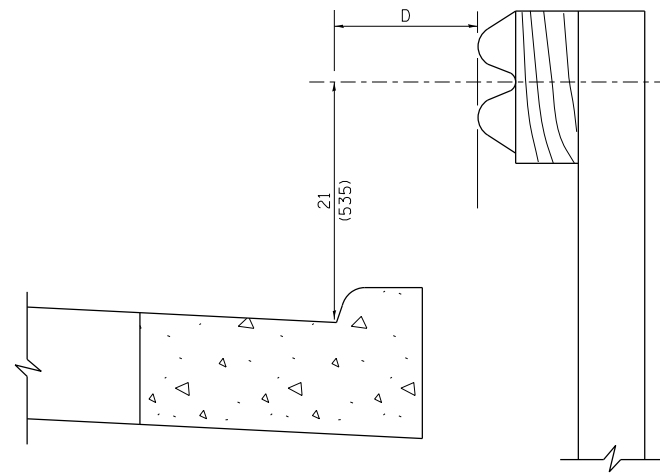


NOTE:

LEDGE LINE IS TOP OF ROCK LEDGE OR HARD SLAG FILL.

ELEVATION

FOOTING FOR POST WHEN IMPERVIOUS MATERIAL IS ENCOUNTERED



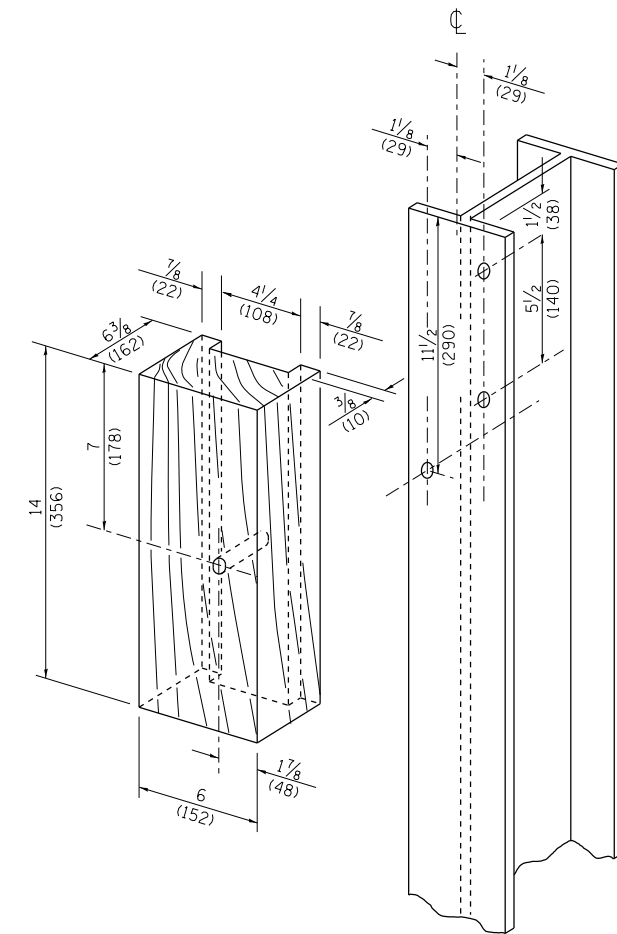
NOTE:

IF IT IS NECESSARY FOR D TO BE MORE THAN 12 (300) AND LESS THAN 10'-0" (3.0 M) TYPE M-2 (M-5) CURB AND GUTTER (STD. 606001) SHALL BE USED IN FRONT OF AND IN ADVANCE OF THE GUARDRAIL.

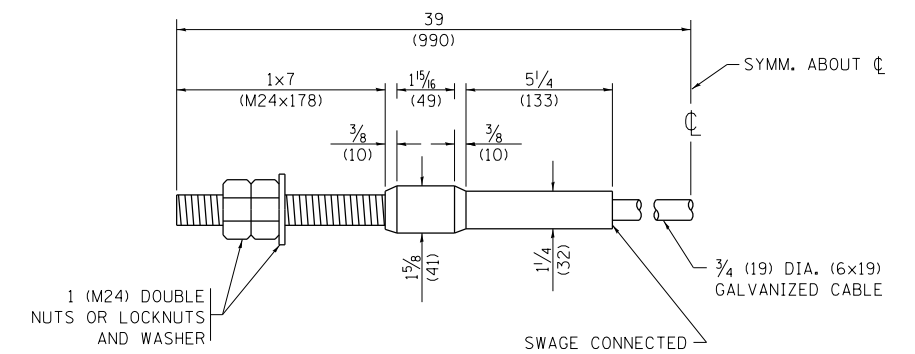
GUARDRAIL PLACED BEHIND CURB

(D = 0 DESIRABLE TO 12 (300) MAXIMUM)

V	W	L	
		STEEL POST	WOOD POST
0 - 18 (0 - 460)	24 (610)	21 (530)	23 (580)
>18 - 41.5 (> 460 - 825)	12 (305)	8 (203)	10 (250)
>41.5 - 53.5 (> 825 - 1.13 M)	12 - 0 (350 - 0)	8 (203)	10 (250)



WOOD BLOCK-OUT AND STEEL POST DETAILS



CABLE ASSEMBLY

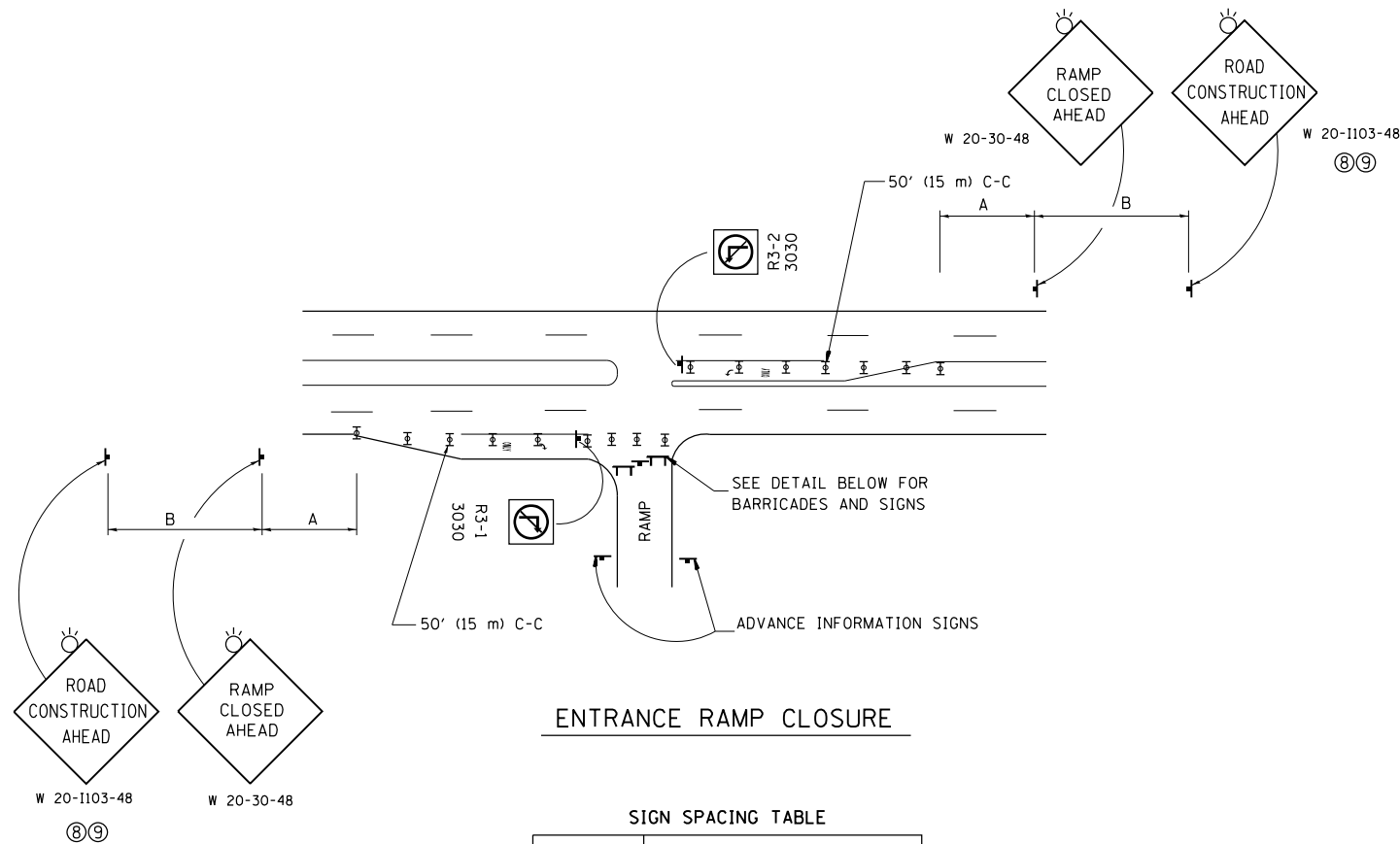
(40,000 LBS (18,100 KG) MIN. BREAKING STRENGTH)
TIGHTEN TO TAUT TENSION

FILE NAME =	USER NAME = Bilgramis	DESIGNED -	REVISED - 10-31-06
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PLOT SCALE = 100.0000' / in.		DATE -	REVISED -
PLOT DATE = 10/17/2017			

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL	
SCALE: NONE	SHEET NO. 4 OF 4 SHEETS
STA.	TO STA.

F.A. RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2016-061-I	VARIOUS	44	36
BM-21		CONTRACT NO. 62D54		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

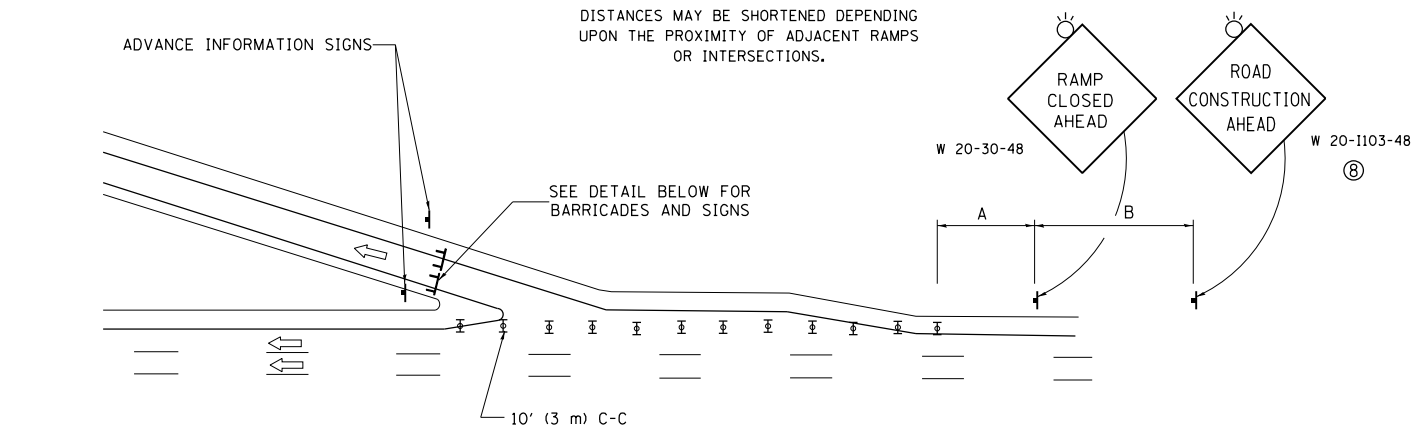


ENTRANCE RAMP CLOSURE

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)

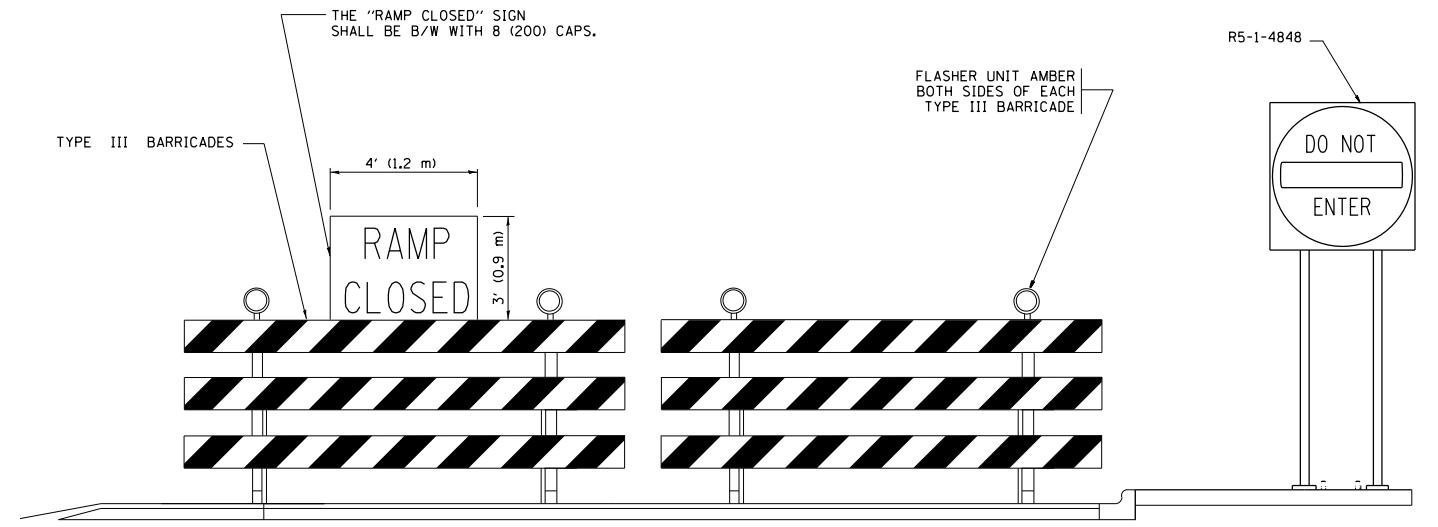
DISTANCES MAY BE SHORTENED DEPENDING UPON THE PROXIMITY OF ADJACENT RAMPS OR INTERSECTIONS.



EXIT RAMP CLOSURE

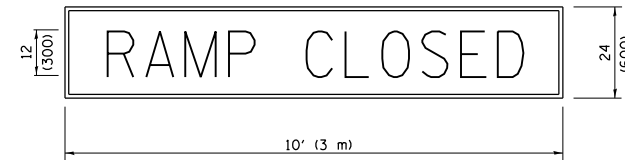
SYMBOLS

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



DETAIL FOR REQUIRED BARRICADES & SIGNS

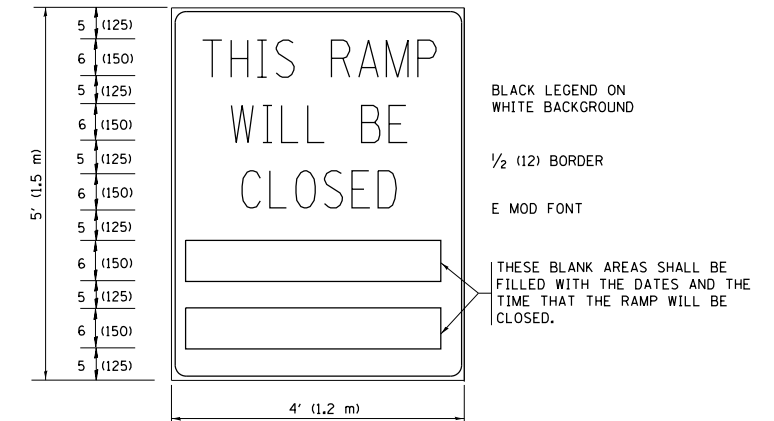
RAMP CLOSURE ADVANCE WARNING SIGN



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 = Bilgramis	DESIGNED - DWS	REVISED - JAF 02-06
p:\IL\084EBID\INTEG\illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\0820\Drawings\Design\Diststd.dgn		CHECKED -	REVISED - SPB 01-07
		DATE - 02-83	REVISED - SPB 12-09
			REVISED - MD 06-13

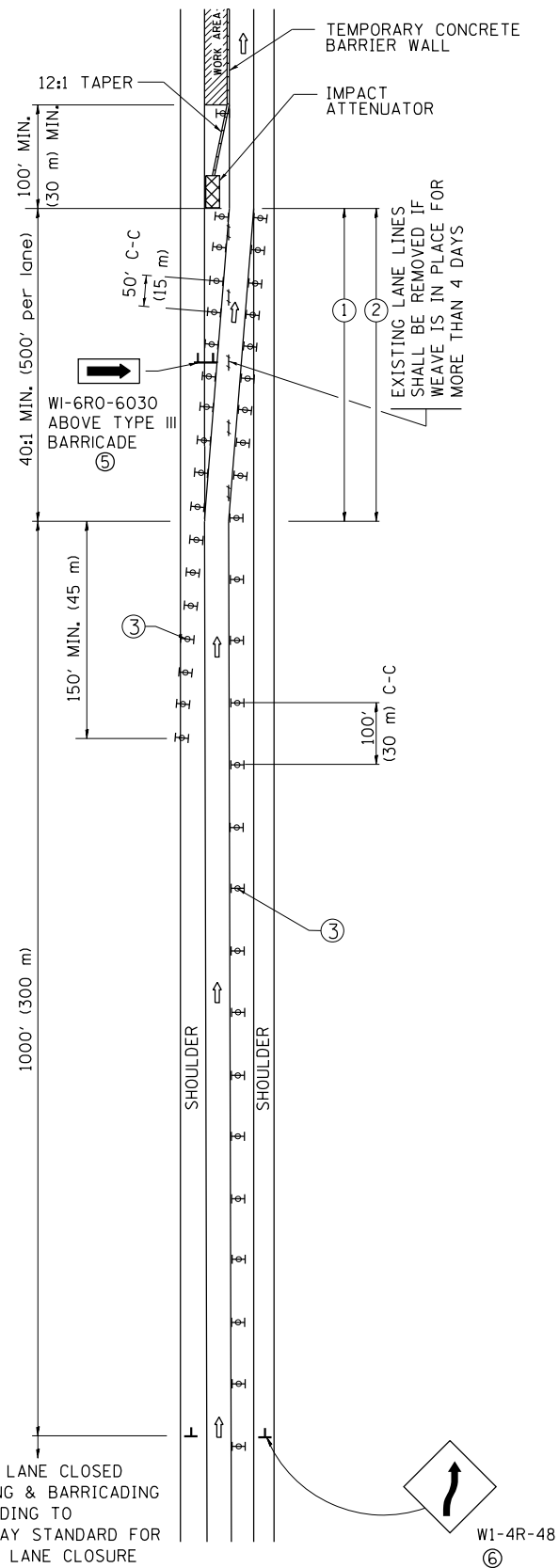
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ENTRANCE AND EXIT RAMP
CLOSURE DETAILS**

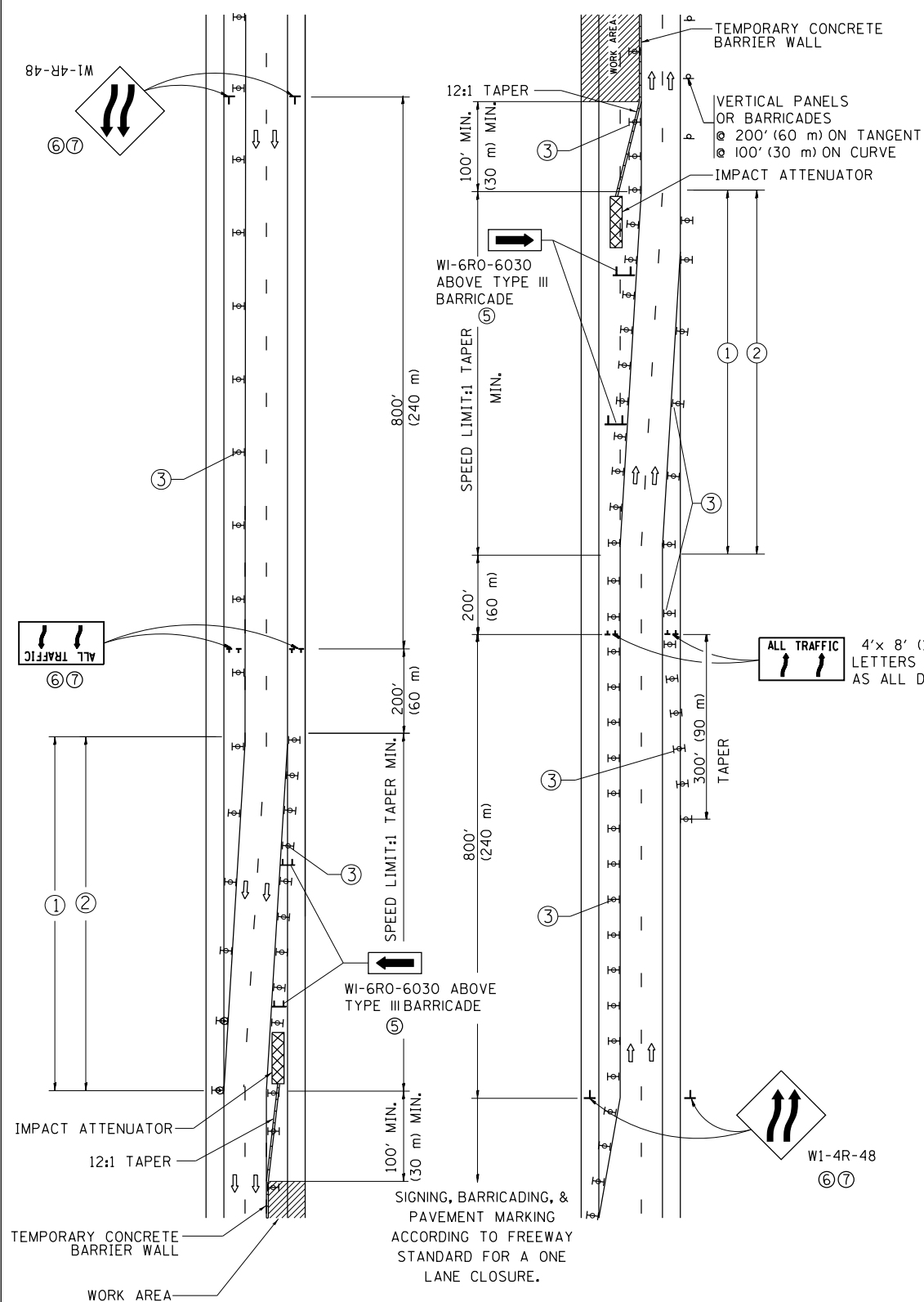
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2016-061-I	VARIOUS	44	37
TC-08		CONTRACT NO. 62D54		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SINGLE LANE WEAVE



MULTI-LANE WEAVE



GENERAL NOTES

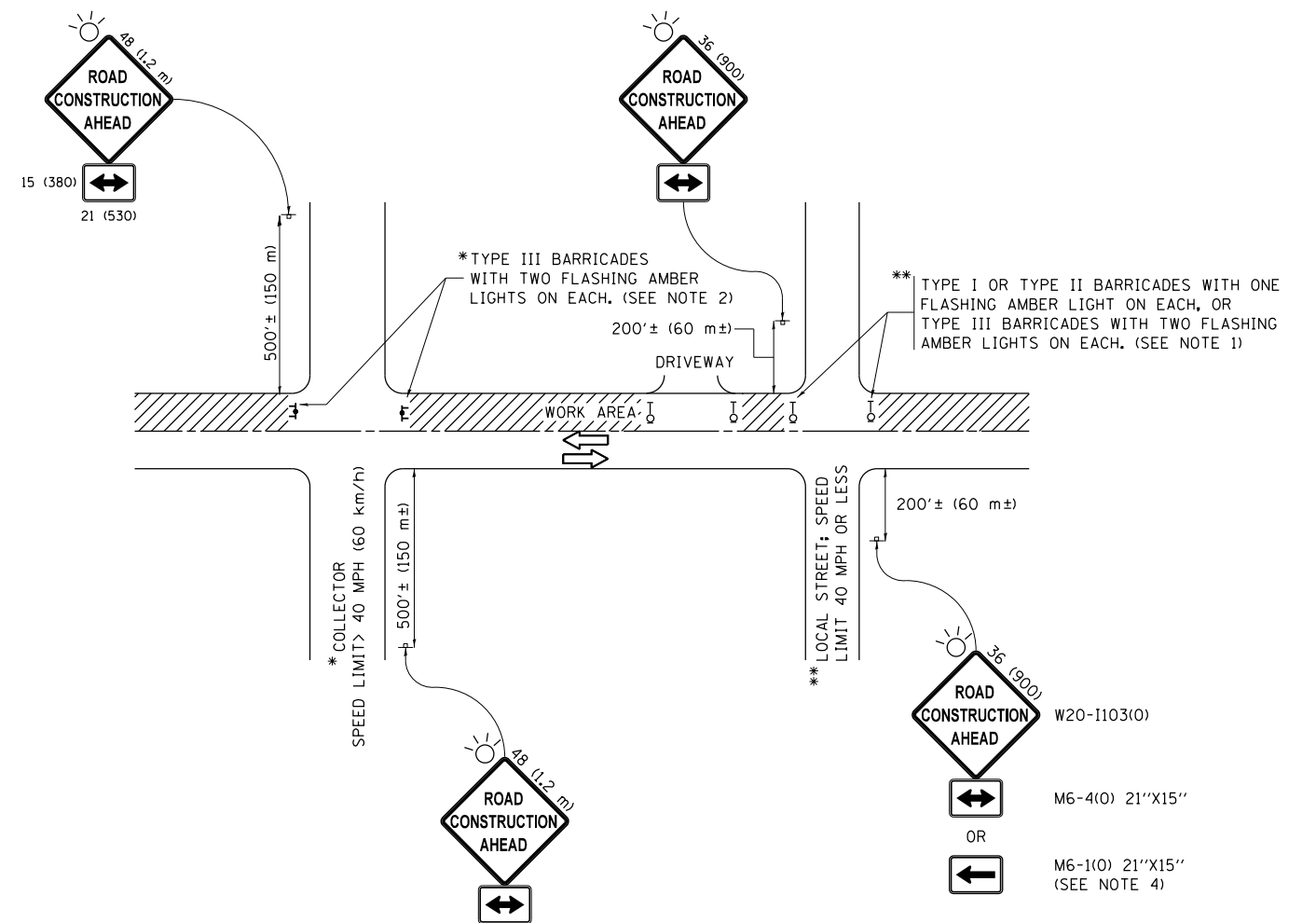
- ① EXISTING CONFLICTING PAVEMENT MARKING LINES SHALL BE REMOVED. PAVEMENT MARKING REMOVAL SHALL NOT BE REQUIRED FOR SINGLE LANE WEAVES UNDER 4 DAYS IN DURATION.
- ② CONTINUOUS REFLECTIVE TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE TAPER AND FOR 300' (90 m) ALONG SIDE THE WORK AREA 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 = Bilgramis	DESIGNED - DWS	REVISED - JAF 02-06	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL DETAILS FOR FREEWAY SINGLE & MULTI-LANE WEAVE			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\11\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\DI052\Drawings\Design\Diststd.dgn	PLOT SCALE = 100.0000' / 1"	CHECKED -	REVISED - SPB 01-07					VAR	2016-061-I	VARIOUS	44	38
	PLOT DATE = 10/17/2017	DATE - 02-87	REVISED - SPB 12-09		TC-09			CONTRACT NO. 62D54				
			REVISED - MD 06-13		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			



NOTES:

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

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

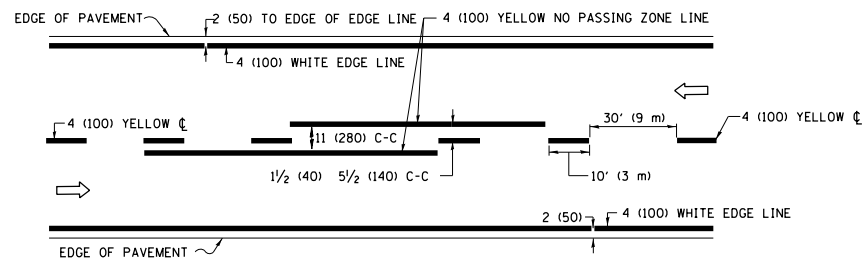
FILE NAME =	USER NAME = Bilgromiso	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96
p:\11\084EBIDINTEG\illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\DI0822\Drawings\Design\Diststd.dgn			REVISED - T. RAMMACHER 01-06-00
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13
	PLOT DATE = 10/17/2017	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

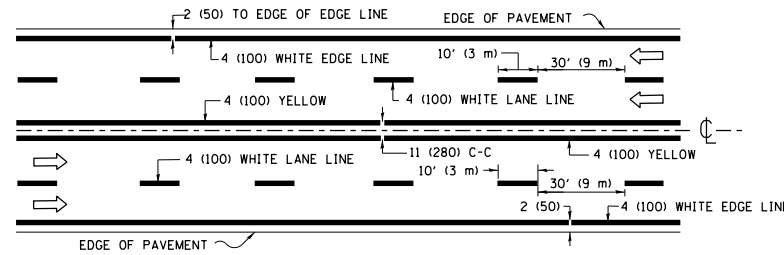
**TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

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

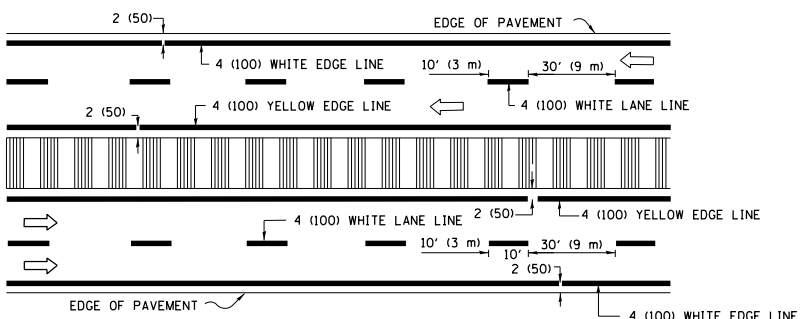
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2016-061-I	VARIOUS	44	39
TC-10			CONTRACT NO. 62D54	
ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

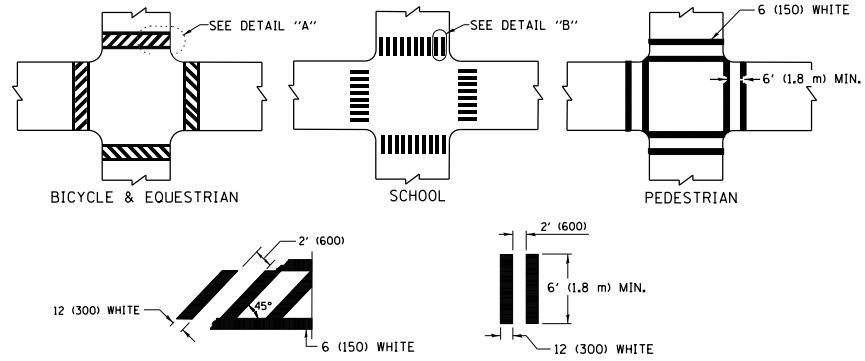


MULTI-LANE UNDIVIDED



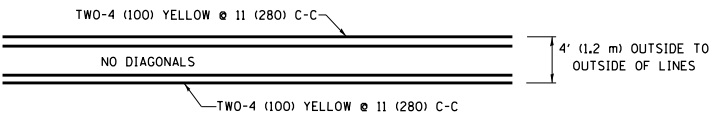
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

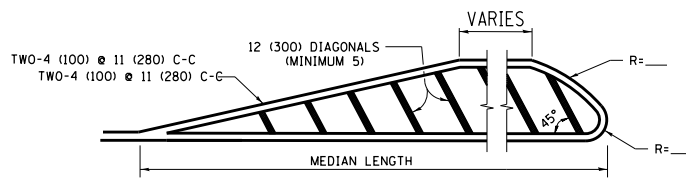


TYPICAL CROSSWALK MARKING

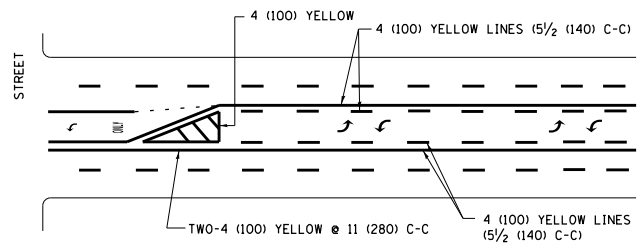
* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



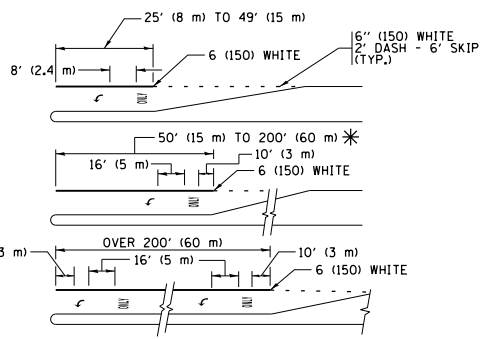
4' (1.2 m) WIDE MEDIANS ONLY



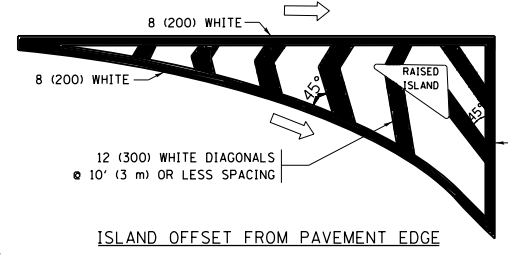
MEDIANS OVER 4' (1.2 m) WIDE



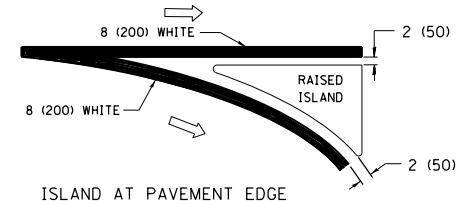
MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING



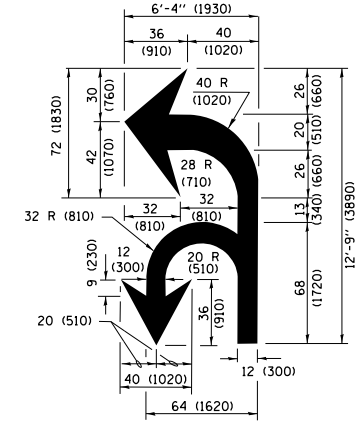
TYPICAL LEFT (OR RIGHT) TURN LANE TYPICAL TURN LANE MARKING



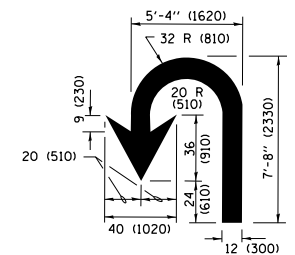
ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

LANE REDUCTION TRANSITION

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

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

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING /REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT, OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m²) EACH "X"=54.0 SQ. FT. (5.0 m²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (22.5 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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

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

FILE NAME =	USER NAME = Bilgrimes	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
pw\1\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\01082\Drawings\Design\Diststd.dgn		CHECKED -	REVISED - C. JUCIUS 07-01-13
Default	PLOT SCALE = 100.0000' / in.	DATE - 03-19-90	REVISED - C. JUCIUS 12-21-15
	PLOT DATE = 10/17/2017		REVISED - C. JUCIUS 04-12-16

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2016-061-1	VARIOUS	44	40
TC-13		CONTRACT NO. 62D54	ILLINOIS FED. AID PROJECT	

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

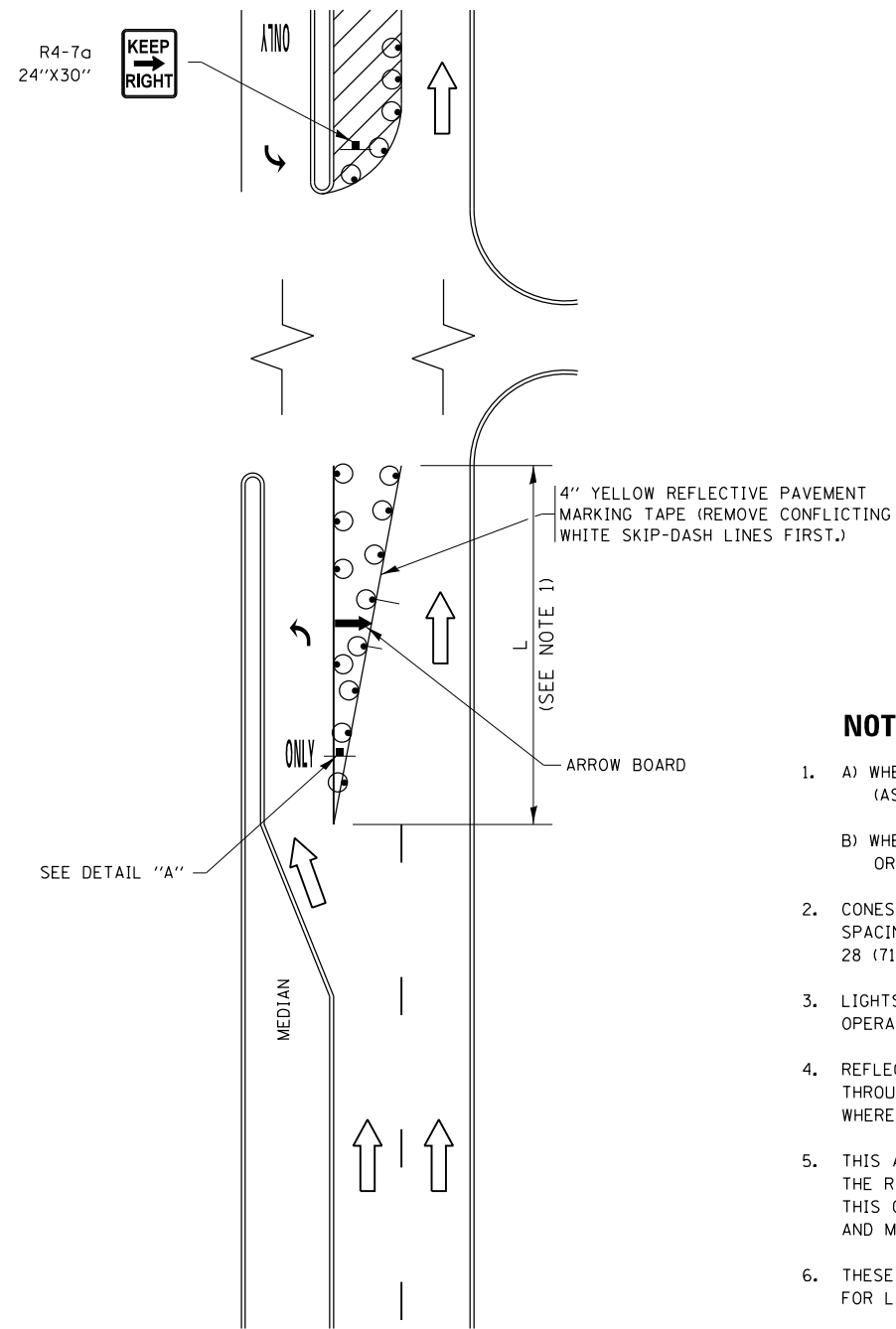


FIGURE 1

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

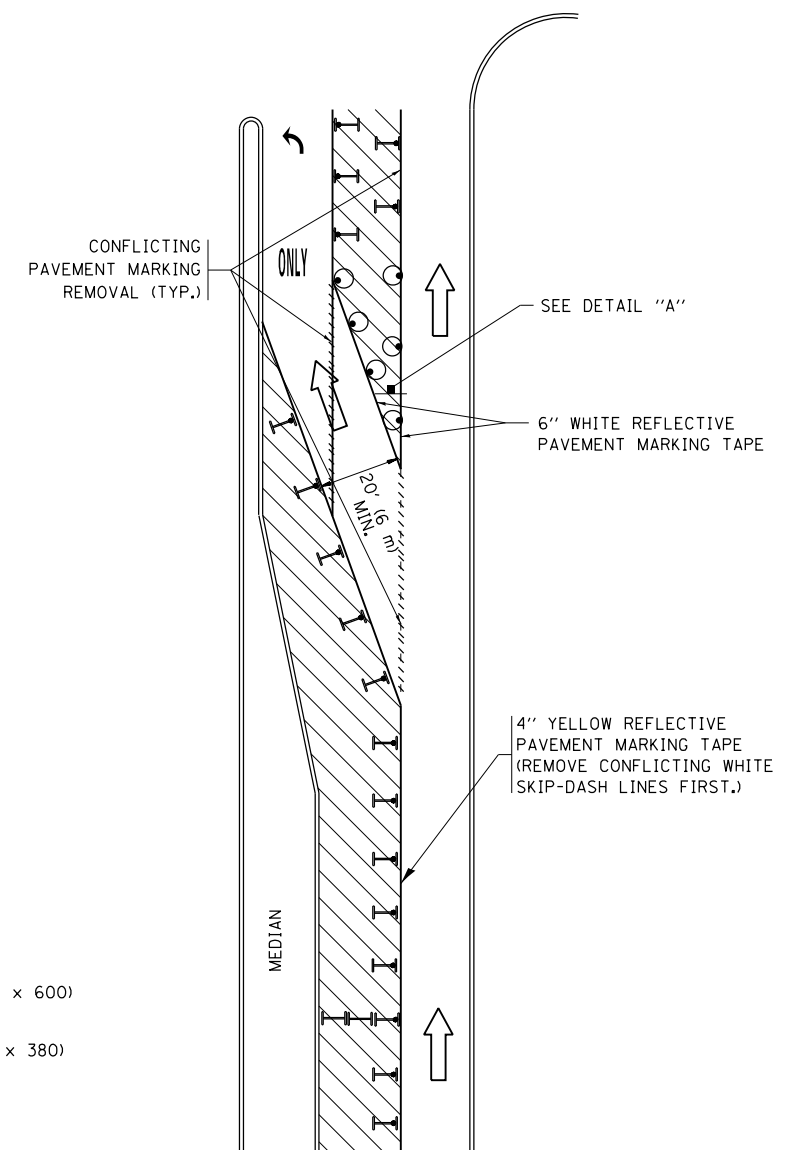


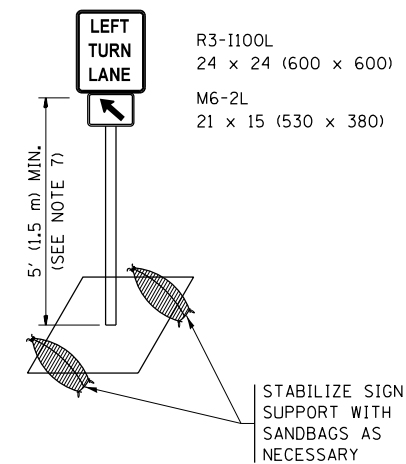
FIGURE 2

LEGEND

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

NOTES:

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

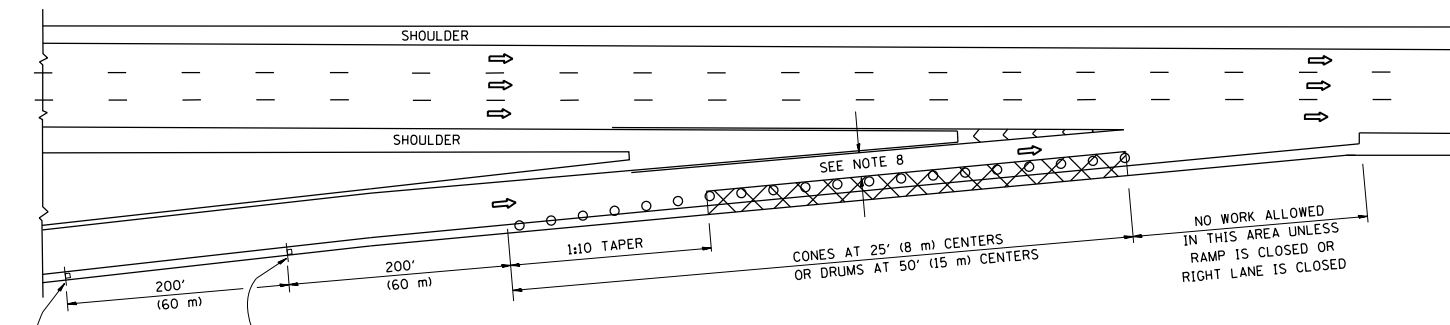


DETAIL A

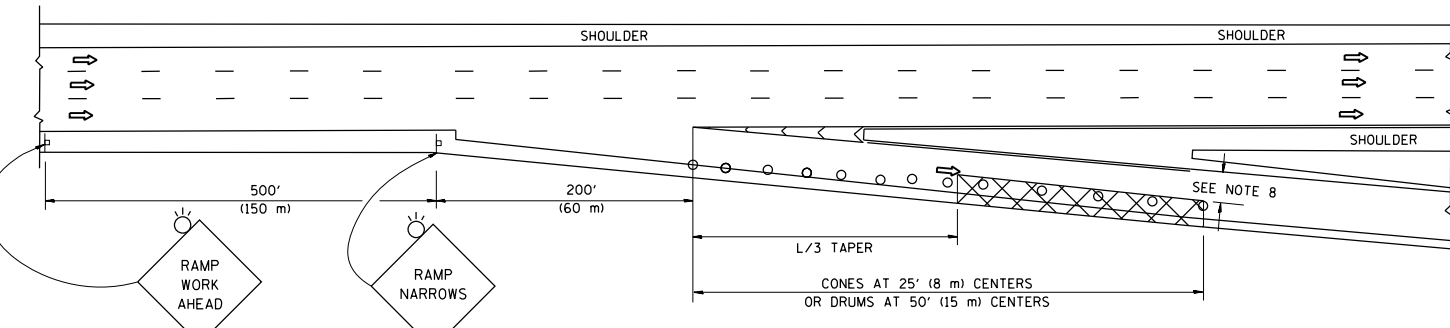
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = Bilgromiso	REVISED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	Default	REVISED - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13					VAR	2016-061-I	VARIOUS	44	41
		REVISED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16		TC-14			CONTRACT NO. 62D54				
		REVISED - T. RAMMACHER 01-06-00	REVISED -		ILLINOIS FED. AID PROJECT							

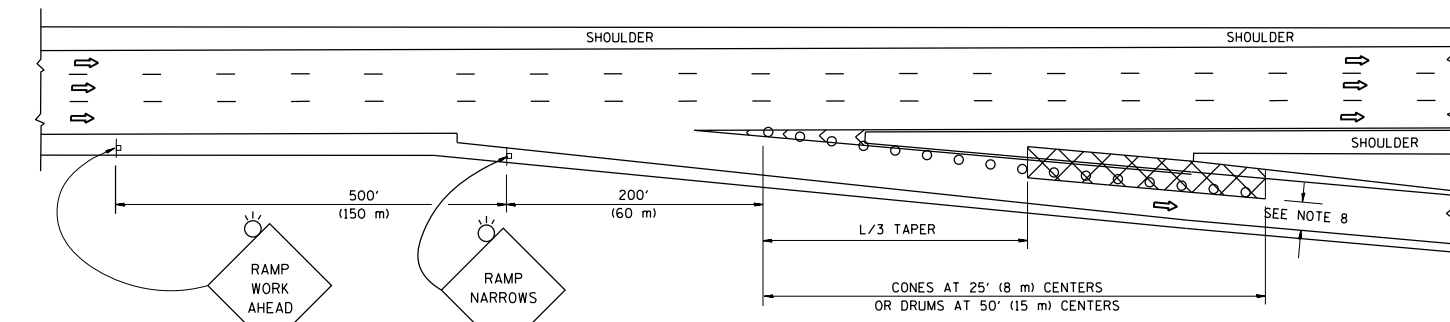
PARTIAL RAMP CLOSURE DETAILS



TYPICAL ENTRANCE RAMP



TYPICAL EXIT RAMP



TYPICAL EXIT RAMP

SYMBOLS

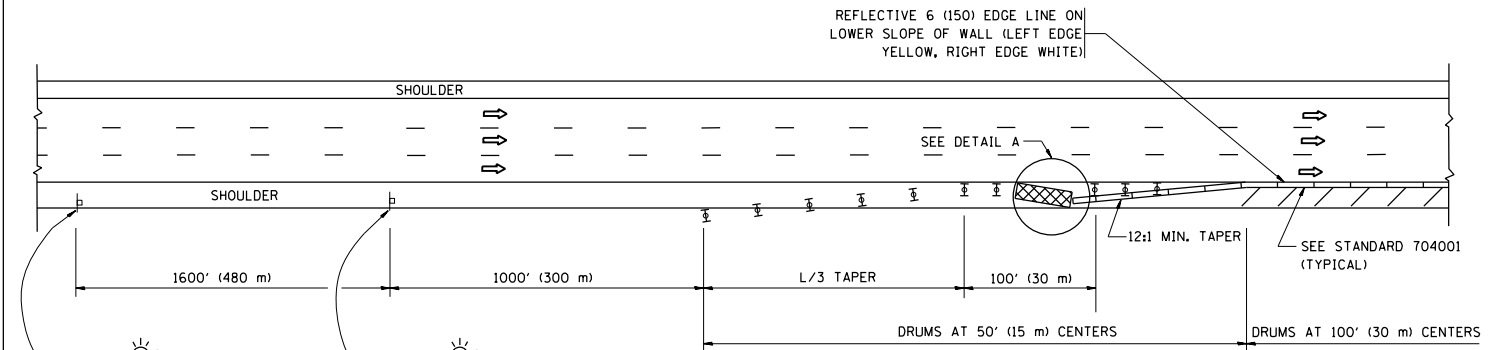
- ACTIVE WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- TYPE II BARRICADE OR DRUM WITH STEADY BURN MONO-DIRECTIONAL LIGHT
- CONE, DRUM OR BARRICADE
- IMPACT ATTENUATOR OF TYPE AND TEST LEVEL SPECIFIED

GENERAL NOTES

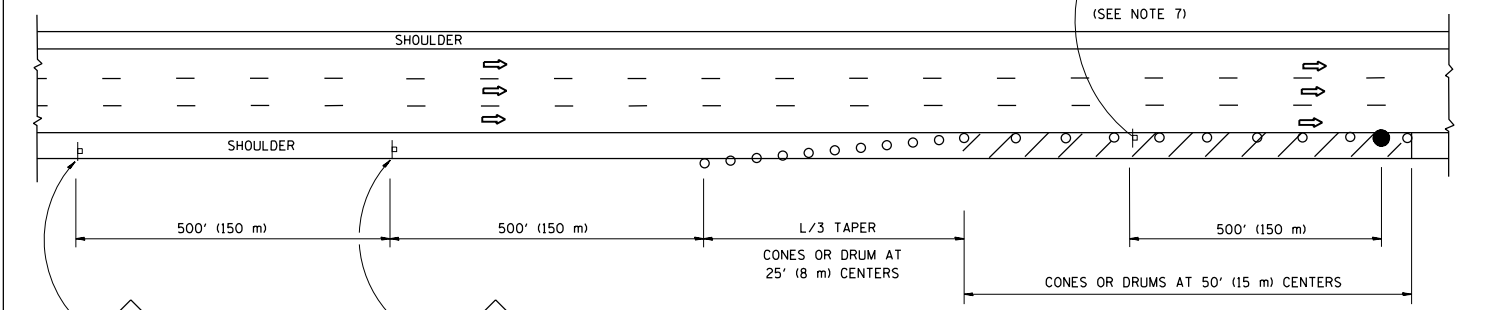
1. THE "L" DISTANCE EQUALS:

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

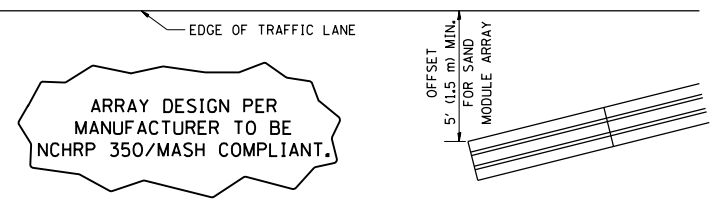


PERMANENT SHOULDER CLOSURE



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.



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 = Bilgrami	DESIGNED -	REVISED - J.A.F. 12-06
pw:\IL\084EBIDINTEG\illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\10822\Drawings\Design\DWG\		DRAWN -	REVISED - S.P.B. 01-07
		CHECKED -	REVISED - S.P.B. 12-09
		DATE - 11-96	REVISED - M.D. 06-13

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

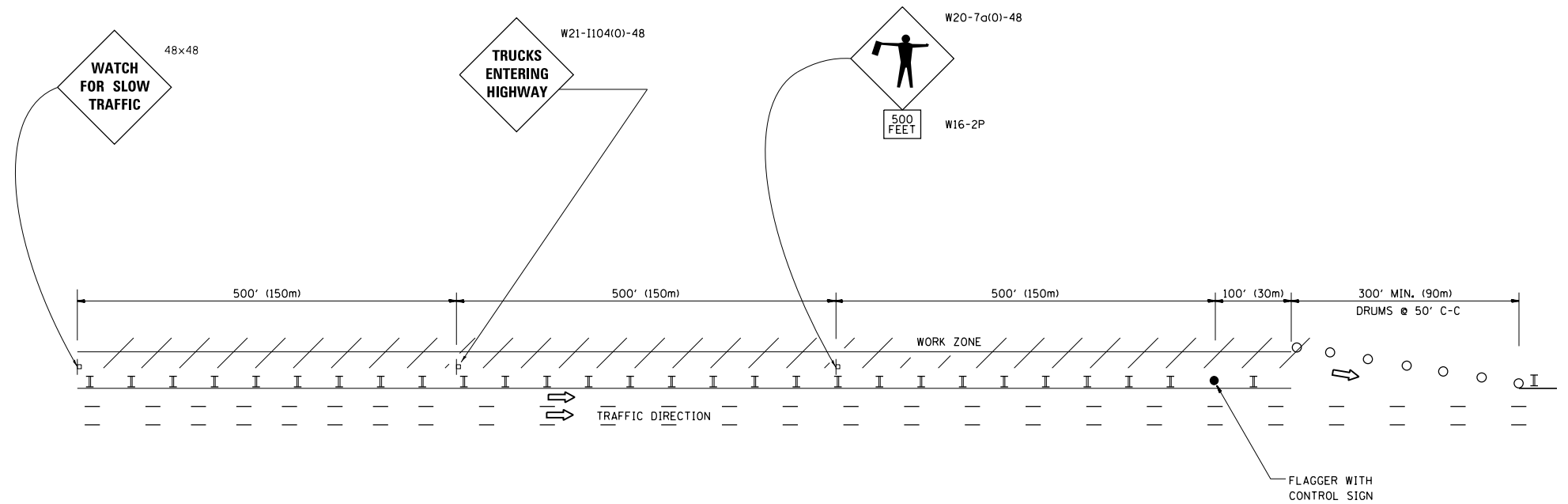
TRAFFIC CONTROL DETAILS FOR FREEWAY
 SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES

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

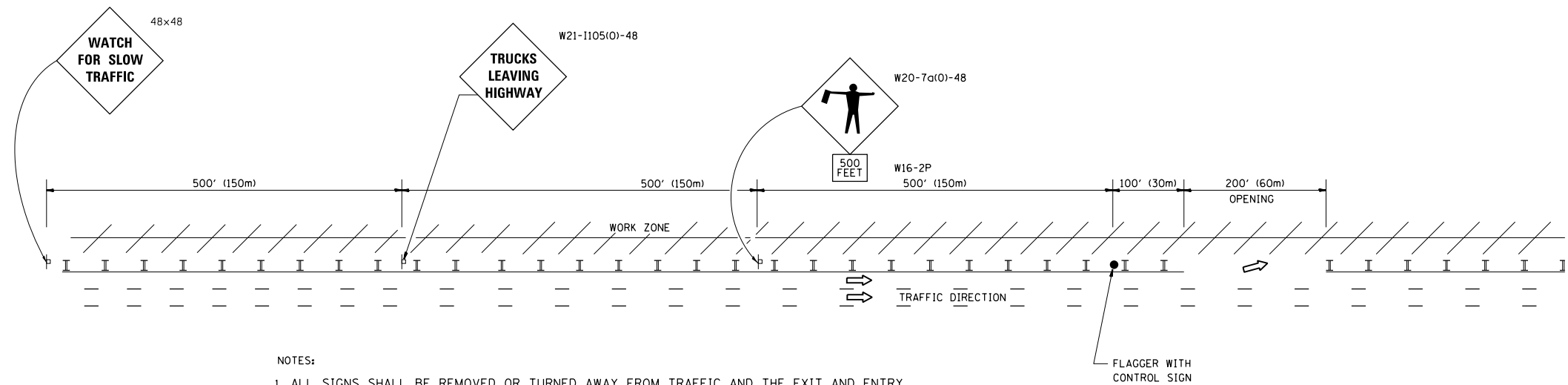
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2016-061-1	VARIOUS	44	42
TC-17		CONTRACT NO. 62D54		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS

WORK ZONE EXIT OPENING



WORK ZONE ENTRY OPENING

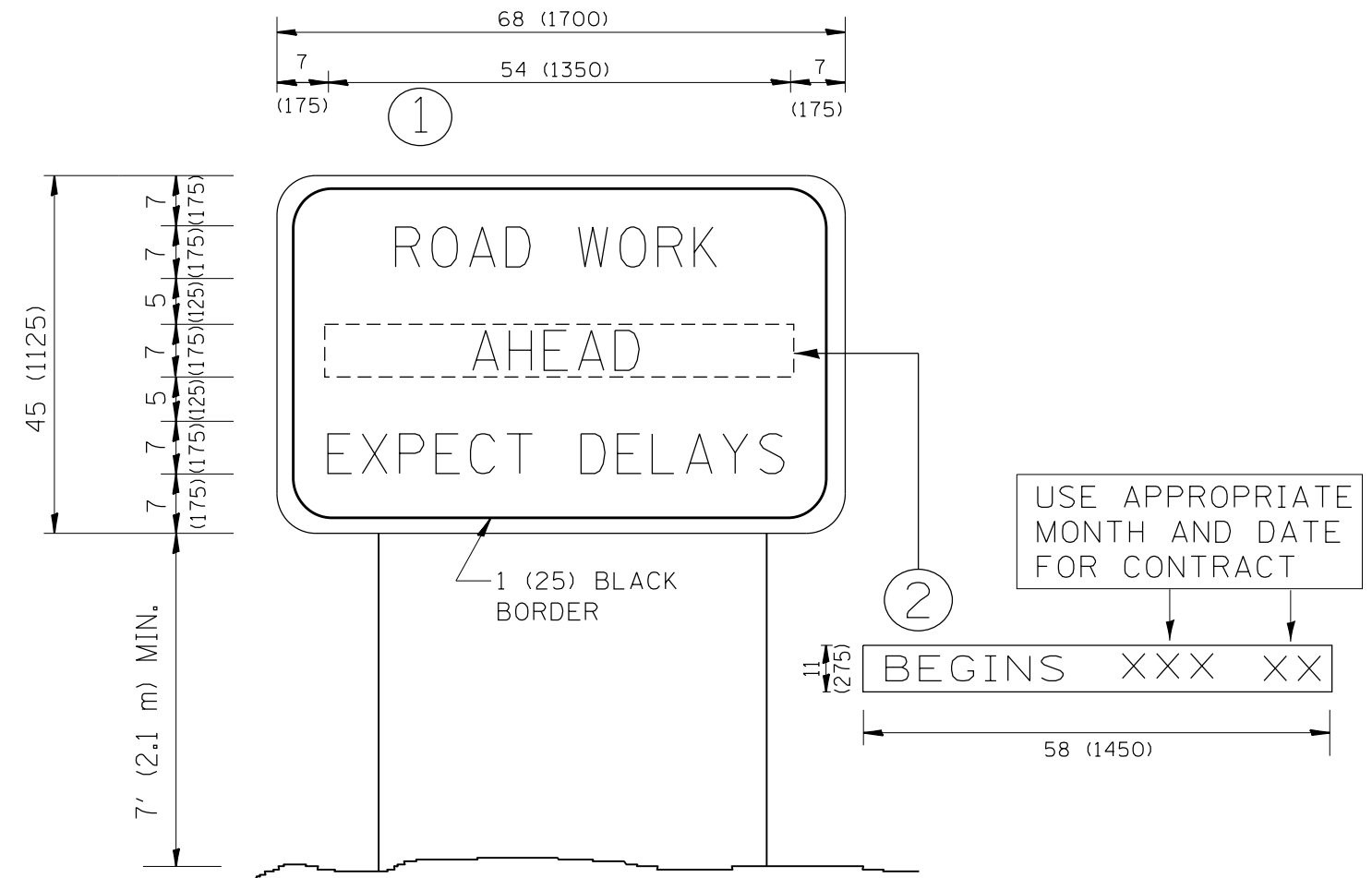


NOTES:

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 RAMP.
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 = Bilgromiso	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. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\IL\084EBIDINTEG.illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\DI052017\052017Data\Design\Diststd.dgn	DRAWN	REVISED - S.P.B. 01-07	REVISED - S.P.B. 12-09			VAR	2016-061-I	VARIOUS	44	43	
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - M.D. 06-13				TC-18		CONTRACT NO. 62D54			
PLOT DATE = 10/17/2017	DATE -					FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					
				SCALE: NONE		SHEET NO. 1 OF 1 SHEETS		STA.		TO STA.	



NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

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

FILE NAME =	USER NAME = Bilgramisa	DESIGNED -	REVISED - R. MIRS 09-15-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ARTERIAL ROAD INFORMATION SIGN	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\11\084EBIDINTEG.illinois.gov\PWIDOT\Documents\DOT Offices\District 1\Projects\DI082017\Drawings\Design\Diststd.dgn	DRAWN -	REVISED - R. MIRS 12-11-97	VAR			2016-061-I	VARIOUS	44	44	
PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - T. RAMMACHER 02-02-99	TC-22			CONTRACT NO. 62D54				
PLOT DATE = 10/17/2017	DATE -	REVISED - C. JUCIUS 01-31-07	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							
				SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.			