

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RITE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2016-060-1	VARIOUS	46	1
		ILLINOIS	CONTRACT NO. 62D53	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

THIS PROJECT IS LOCATED IN
 THE VILLAGE OF BARRINGTON
 THE VILLAGE OF BARRINGTON HILLS
 THE VILLAGE OF GURNEE
 THE VILLAGE OF HOFFMAN ESTATES
 THE VILLAGE OF HAWTHORN WOODS
 THE VILLAGE OF MONTGOMERY
 THE VILLAGE OF MUNDELEIN
 THE VILLAGE OF NORTHFIELD
 THE VILLAGE OF PINGREE GROVE
 THE VILLAGE OF RINGWOOD
 THE VILLAGE OF SKOKIE
 THE VILLAGE OF SUGAR GROVE
 THE VILLAGE OF VOLO
 THE VILLAGE OF WADSWORTH
 THE VILLAGE OF WAUCONDA

THE CITY OF CHICAGO
 THE CITY OF CRYSTAL LAKE
 THE CITY OF ELGIN
 THE CITY OF MARENGO
 THE CITY OF HIGHLAND PARK
 THE CITY OF YORKVILLE
 THE CITY OF ZION

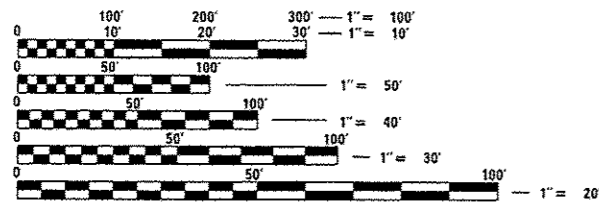
**PROPOSED
HIGHWAY PLANS**

VARIOUS ROUTES
 SECTION: 2016-060-1
 PROJECT: HSIP-000V(117)
**GUARDRAIL REPLACEMENTS (NORTH SECTION)
VARIOUS COUNTIES**

C-91-051-17



FOR LOCATION MAPS: SEE SHEET NO. 7-10



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. 62D53

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUBMITTED Apr 17 2017
Anthony J. Ruffolo REGIONAL ENGINEER
May 12 2017
Mark A. Addison ENGINEER OF DESIGN AND ENVIRONMENT
May 12 2017
David A. [Signature] DIRECTOR OF PROGRAM DEVELOPMENT

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 OF THE STATE OF ILLINOIS

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STANDARDS

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630001-11	STEEL PLATE BEAM GUARDRAIL
630301-07	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631033-07	TRAFFIC BARRIER TERMINAL, TYPE 6B
635001-02	DELINEATORS
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701106-02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' AWAY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-03	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS ≥ 45 MPH
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS- DAY ONLY
701336-06	LANE CLOSURE, 2L, 2W, WORK AREAS IN SERIES, FOR SPEEDS ≥ 45 MPH
701400-09	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-10	LANE CLOSURE, FREEWAY/EXPRESSWAY
701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS ≥ 45 MPH
701421-08	LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS ≥ 45 MPH TO 55 MPH
701422-09	LANE CLOSURE, MULTILANE, FOR SPEEDS ≥ 45 MPH TO 55 MPH
701428-01	TRAFFIC CONTROL SETUP AND REMOVAL FREEWAY/EXPRESSWAY
701901-06	TRAFFIC CONTROL DEVICES
725001-01	OBJECT AND TERMINAL MARKERS
782006	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

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.IDOTCS.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 (OMP)
MIXTURE TYPE	AIR VOIDS • Ndes	
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
OMP DESIGNATION: QUALITY CONTROL / QUALITY ASSURANCE (QC/OA)		

- THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/50 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 (OMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE

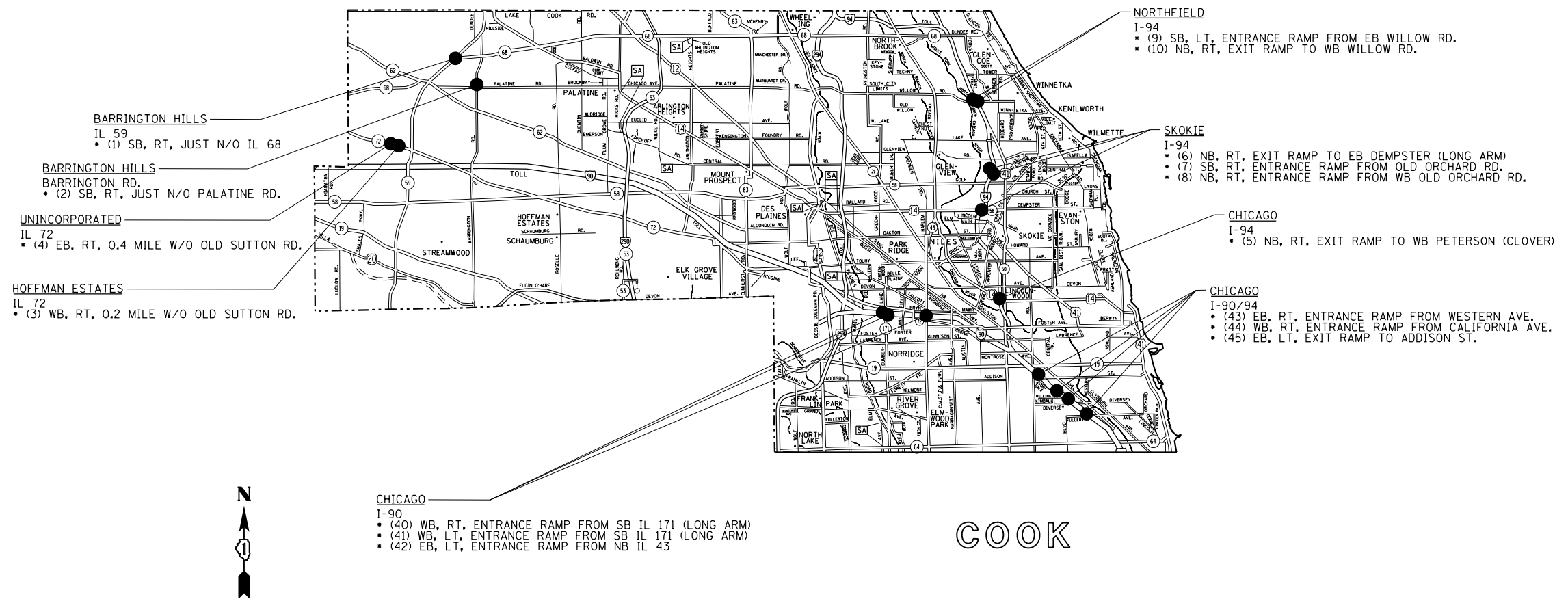
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SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	90% FED	90% FED	90% FED	90% FED	
				10% STATE	10% STATE	10% STATE	10% STATE	
				0021	0021	0021	0021	
				COOK COUNTY	KANE COUNTY	LAKE COUNTY	MCHENRY COUNTY	
20200100	EARTH EXCAVATION	CU YD	118	112.25	5.75			
21101615	TOPSOIL FURNISH AND PLACE, 4"	SO YD	1362	342	307	552.5	160.5	
25000210	SEEDING, CLASS 2A	ACRE	0.5	0.15	0.1	0.15	0.1	
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	26	6.5	6	10.5	3	
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	26	6.5	6	10.5	3	
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	26	6.5	6	10.5	3	
25100630	EROSION CONTROL BLANKET	SO YD	1362	342	307	552.5	160.5	
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	360	342	18			
44004250	PAVED SHOULDER REMOVAL	SO YD	5	5				
48101200	AGGREGATE SHOULDERS, TYPE B	TON	1060	214.25	506.75	339		
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SO YD	532	505.5	26.5			
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	2762.5	762.5	675	1075	250	
* 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	3			3		
* 63100089	TRAFFIC BARRIER TERMINAL, TYPE 6B	EACH	1	1				
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	68	15	17	22	14	

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	90% FED	90% FED	90% FED	90% FED	
				10% STATE	10% STATE	10% STATE	10% STATE	
				0021	0021	0021	0021	
				COOK COUNTY	KANE COUNTY	LAKE COUNTY	MCHENRY COUNTY	
63200310	GUARDRAIL REMOVAL	FOOT	4464	746	772	2290	656	
64300260	IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	2			2		
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	130	70	20	25	15	
* 66900450	SPECIAL WASTE PLANS AND REPORTS	LSUM	1	0.25	0.25	0.25	0.25	
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	13	5	3	3	2	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	1.5	1.5	1.5	1.5	
67100100	MOBILIZATION	LSUM	1	0.25	0.25	0.25	0.25	
70100310	TRAFFIC CONTROL AND PROTECTION, STANDARD 701421	LSUM	1	0.25	0.25	0.25	0.25	
70100320	TRAFFIC CONTROL AND PROTECTION, STANDARD 701422	LSUM	1	0.25	0.25	0.25	0.25	
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	LSUM	1	0.25	0.25	0.25	0.25	
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	LSUM	1	0.25	0.25	0.25	0.25	
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	68	15	17	22	14	
78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	105	27	25	37	16	
* 78200005	SPECIALTY ITEMS							

GUARDRAIL REPLACEMENT SCHEDULE (CONTINUED)

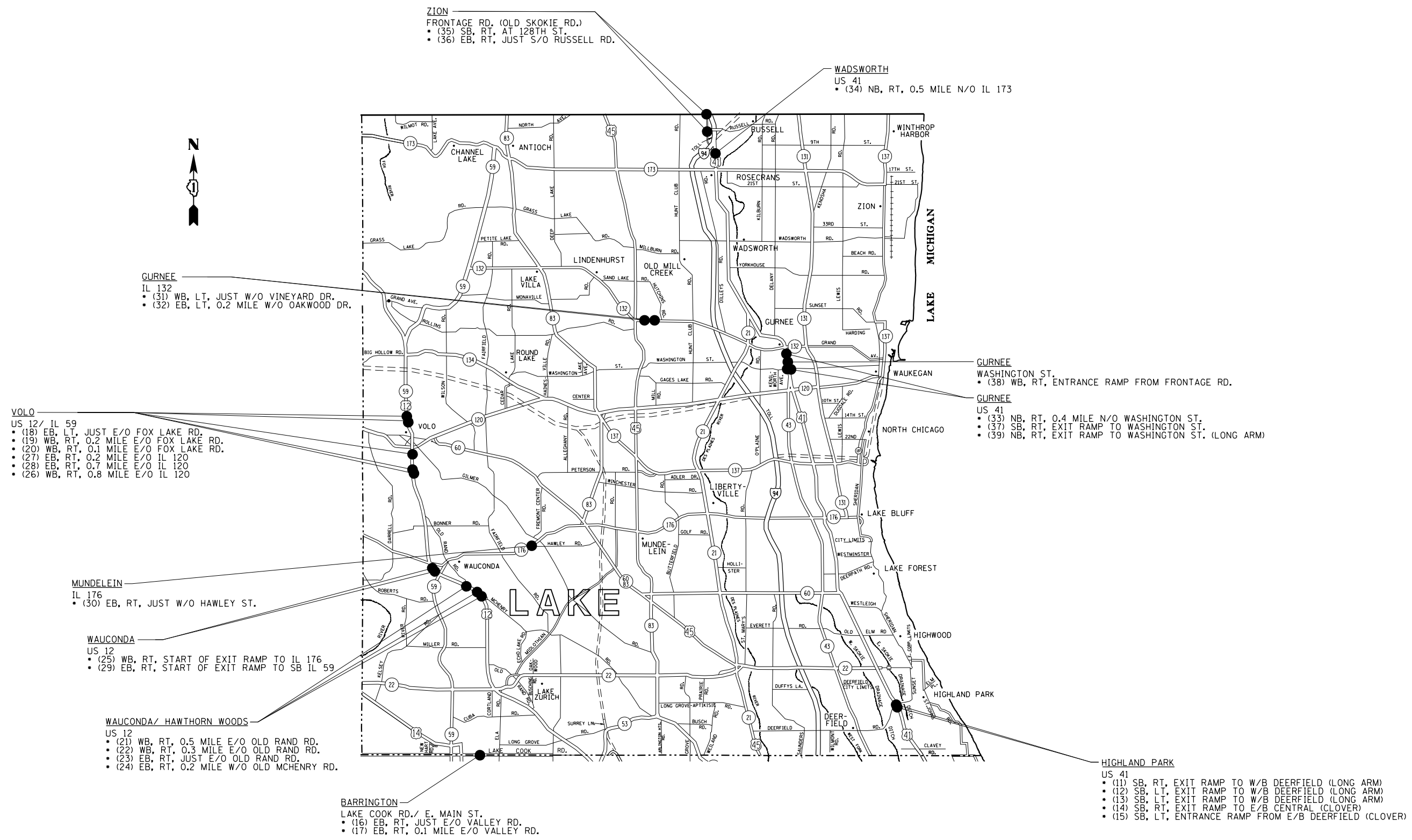
LOCATION	EARTH EXCAVATION (CU YD)	TOPSOIL FURNISH AND PLACE, 4" (SQ YD)	PAVED SHLDR REMOVAL (SQ YD)	HOT-MIX ASPHALT SHOULDER, 8" (SQ YD)	AGGREGATE SHLDR, TYPE B (TON)	GUARDRAIL MARKER, TY. A (EACH)	GUARDRAIL REMOVAL (FOOT)	SPB GR, TY. A 6FT POSTS (FOOT)	TRAFFIC BAR TERM, TYPE 1 (SP) TANGENT (EACH)	TRAFFIC BAR TERM, TYPE 2 (EACH)	TRAFFIC BAR TERM, TYPE 6B (EACH)	IMPACT ATTN (REDIRECTIVE NARROW), TL 3 (EACH)
46		16.75			18.00	1	50		1			
47		18.00			22.00	1	50	12.5	1			
48		10.25			8.50	1	50		1			
49		8.00			5.25	1	50		1			
50	2.50	8.00		11.50		1	31		1			
51	3.25	9.00		15.00		1	19		1			
52		18.25			25.00	1	25	25	1			
53		46.75			71.25	4	102	50	2			
54		45.25			63.50	4	95	50	2			
55		32.00			63.50	1	50	50	1			
56		19.25			29.50	1	50	50	1			
57		17.25			59.00	2	50	125	1			
58		16.50			46.75	3	50	162.5	1			
59		16.50			41.75	2	50	137.5	1			
60		25.25			52.75	1	50	12.5	1			
61		8.50				1	50		1			
62		8.50				1	50		1			
63		8.50				1	48		1			
64		8.50				1	22		1			
65		8.50				1	53		1			
66		8.50				1	45		1			
67		8.50				1	46		1			
68		8.50				1	52		1			
69		14.50				1	38	37.5	1			
70		29.25				2	52	125	1			
71		23.00				2	50	87.5	1			
72		8.50				1	50		1			
73		8.50				1	50		1			
74		8.50				1	50		1			
SUBTOTAL	5.75	467.25	0	26.50	506.75	41	1,428	925	31	0	0	0
PROJECT TOTAL	118	1,362	5	532	1,060	105	4,464	2,762.5	68	3	1	2



COOK

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

FILE NAME =	USER NAME = Bilgramisa	DESIGNED - RWB/SB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GUARDRAIL REPLACEMENT (NORTH SECTION) LOCATION MAP (COOK COUNTY)			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
Default		CHECKED -	REVISED -		SCALE: NTS	SHEET 1	OF 4 SHEETS	STA.	TO STA.	VAR	2016-060-I	VARIOUS	46	7
		DATE - 3/15/2017	REVISED -		CONTRACT NO. 62D53									
					ILLINOIS FED. AID PROJECT									



NOTE:
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FILE NAME =	USER NAME = Bilgramis	DESIGNED - RWB/SB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GUARDRAIL REPLACEMENT (NORTH SECTION) LOCATION MAP (LAKE COUNTY)			F.A.P. RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
Default					SCALE: NTS	SHEET 2	OF 4 SHEETS	STA.	TO STA.	VAR	2016-060-I	VARIOUS	46	8
												CONTRACT NO. 62D53		
												ILLINOIS FED. AID PROJECT		

UNINCORPORATED

- IL 72
- (56) WB, RT, 0.2 MILE W/O BRIAR HILL RD.
- (57) WB, RT, 0.2 MILE W/O BRIAR HILL RD.
- (58) EB, RT, 0.2 MILE W/O BRIAR HILL RD.
- (59) EB, RT, 0.2 MILE W/O BRIAR HILL RD.

ELGIN

- US 20
- (53) EB, RT, 0.8 MILE E/O IL 47
- (54) W/B, RT, 0.8 MILE E/O IL 47

PINGREE GROVE

- IL 72
- (55) WB, RT, 0.5 MILE W/O IL 47
- (60) EB, RT, 0.5 MILE W/O IL 47

SUGAR GROVE

- US 30
- (50) WB RT, 0.6 MILE E/O DUGAN RD.
- (51) EB, RT, 0.5 MILE E/O DUGAN RD.

YORKVILLE

- IL 47
- (49) NB, RT, JUST S/O BASELINE RD.

UNINCORPORATED

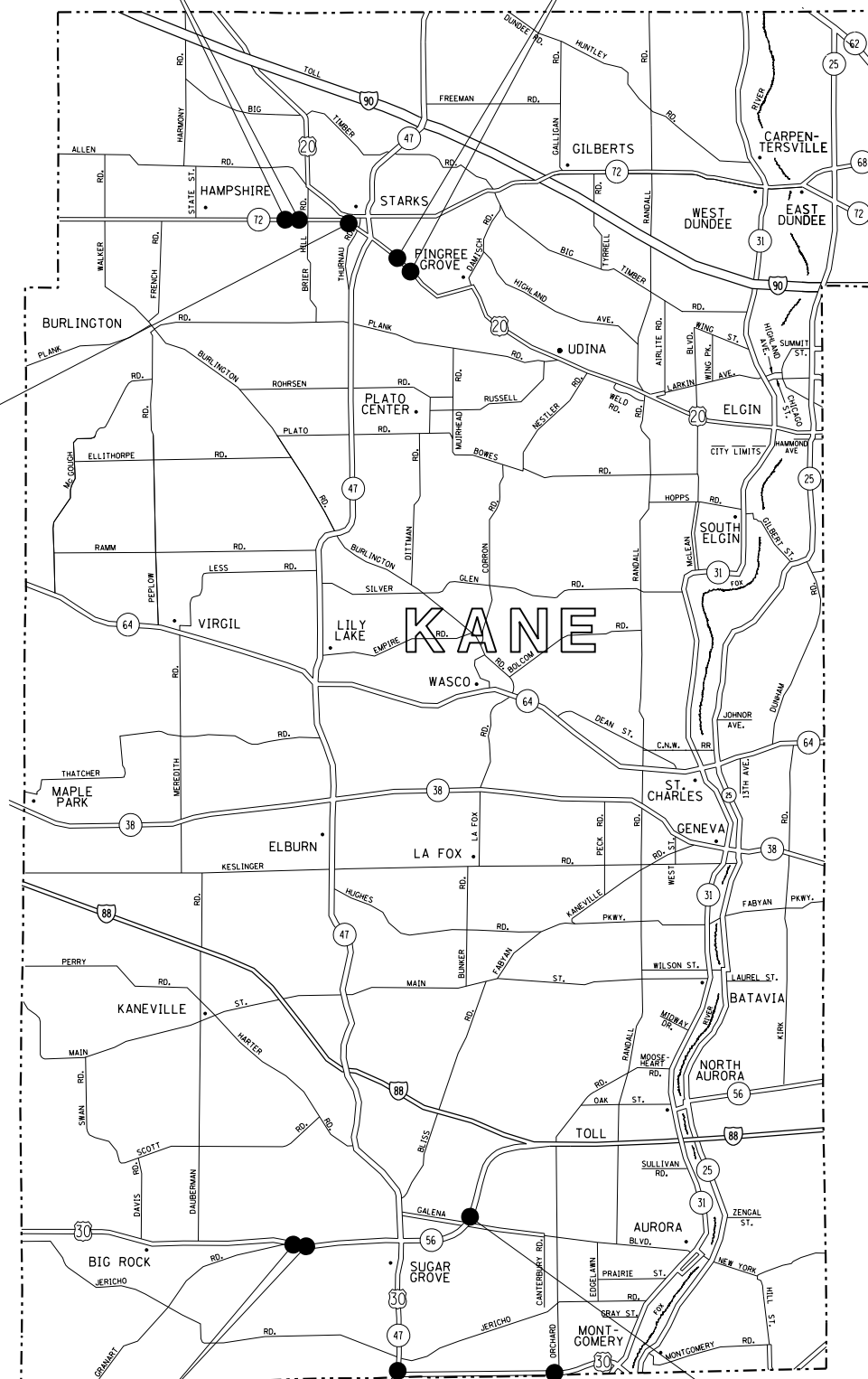
- IL 56
- (52) WB, RT, ON ENTRANCE RAMP FROM GALENA BLVD.

MONTGOMERY

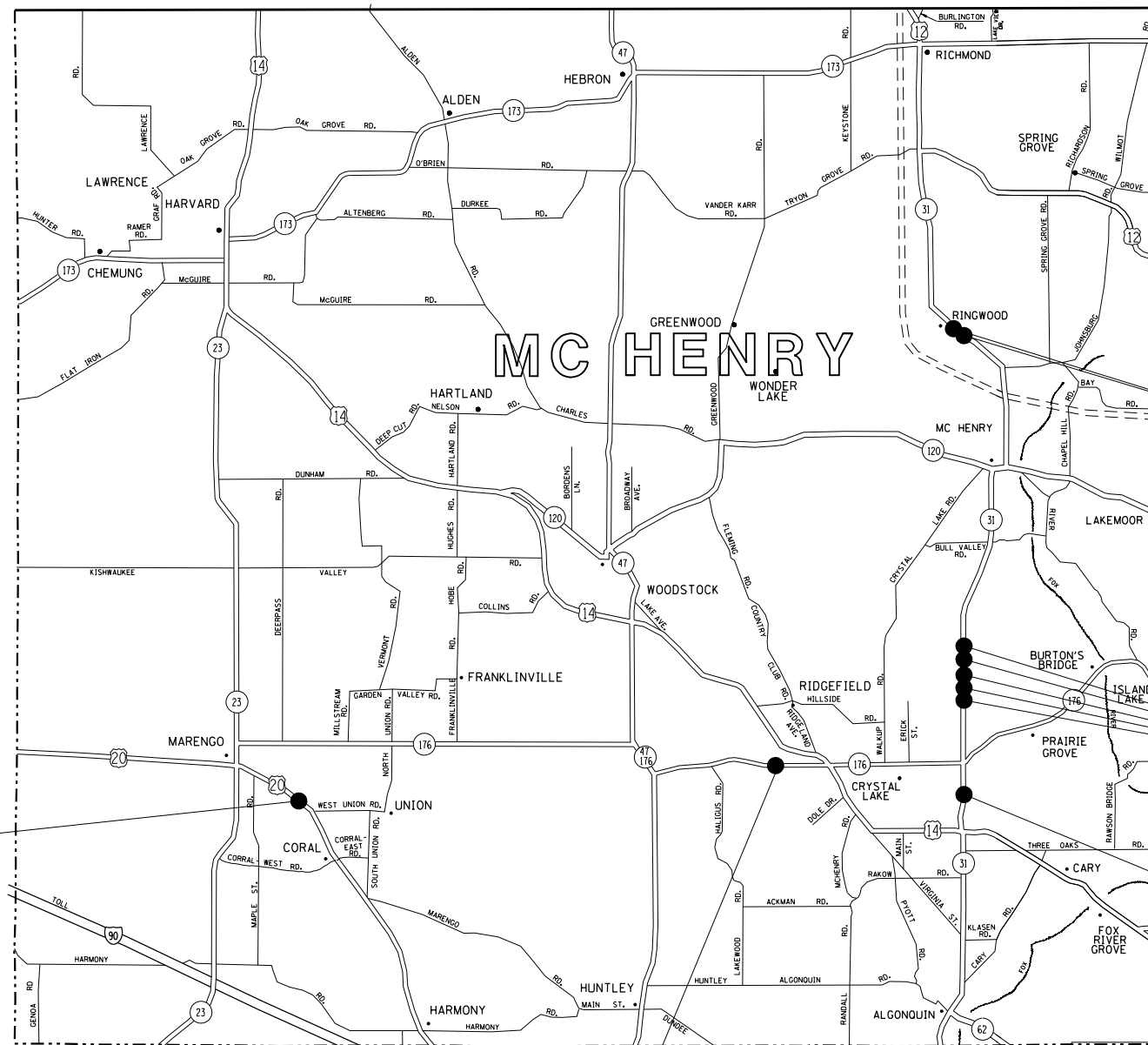
- US 30
- (46) WB, RT, JUST W/O ORCHARD RD.
- (47) EB, RT, JUST W/O ORCHARD RD.
- (48) EB, RT, AT ORCHARD RD.

NOTE:

- (00) = LOCATION NUMBER AS SHOWN ON PLAN SHEET



FILE NAME =	USER NAME = Bilgramisa	DESIGNED - RWB/SB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GUARDRAIL REPLACEMENT (NORTH SECTION) LOCATION MAP (KANE COUNTY)			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default								VAR	2016-060-I	VARIOUS	46	9
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		SCALE: NTS				SHEET 3	OF 4 SHEETS	STA.	TO STA.
	PLOT DATE = 4/6/2017	DATE - 3/15/2017	REVISED -		CONTRACT NO. 62D53							



MARENGO
US 20
• (61) EB, RT, W/O UNION RD.

RINGWOOD
IL 31
• (72) SB, RT, AT BARNARD MILL RD.
• (73) SB, RT, 0.2 MILE S/O BARNARD MILL RD.
• (74) SB, RT, 0.2 MILE S/O BARNARD MILL RD.

CRYSTAL LAKE
IL 31
• (65) NB, RT, 0.1 MILE N/O HALF MILE RD.
• (66) NB, RT, 0.2 MILE S/O AMES RD.
• (67) NB, RT, 0.2 MILE S/O AMES RD.
• (68) SB, RT, 0.1 MILE S/O AMES RD.
• (69) SB, RT, 0.2 MILE S/O AMES RD.
• (70) SB, RT, 0.1 MILE N/O HALF MILE RD.
• (71) SB, RT, JUST N/O E. BRIGHTON LANE

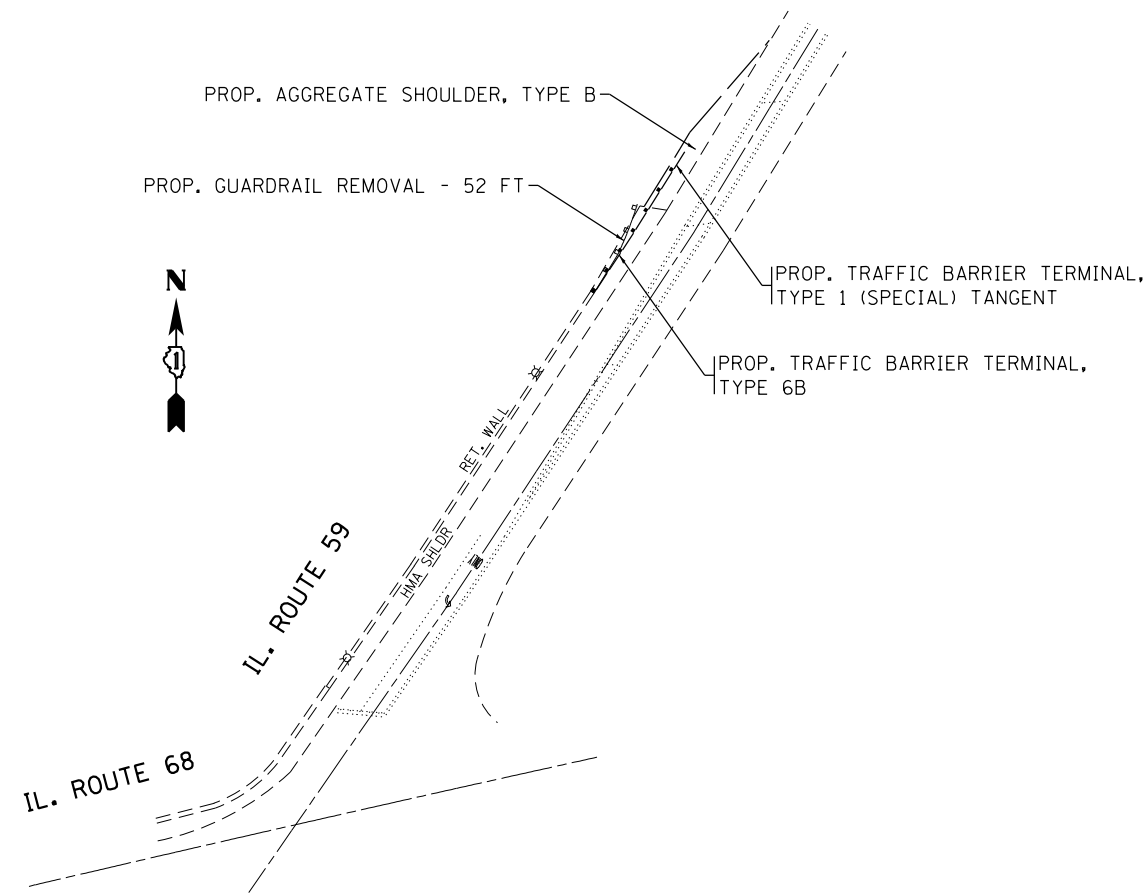
CRYSTAL LAKE
IL 31
• (64) NB, RT, ON OLD IL 31 FRONTAGE RD.

CRYSTAL LAKE
IL 176
• (62) EB, RT, JUST W/O BRIARWOOD RD.
• (63) EB, RT, JUST W/O BRIARWOOD RD.

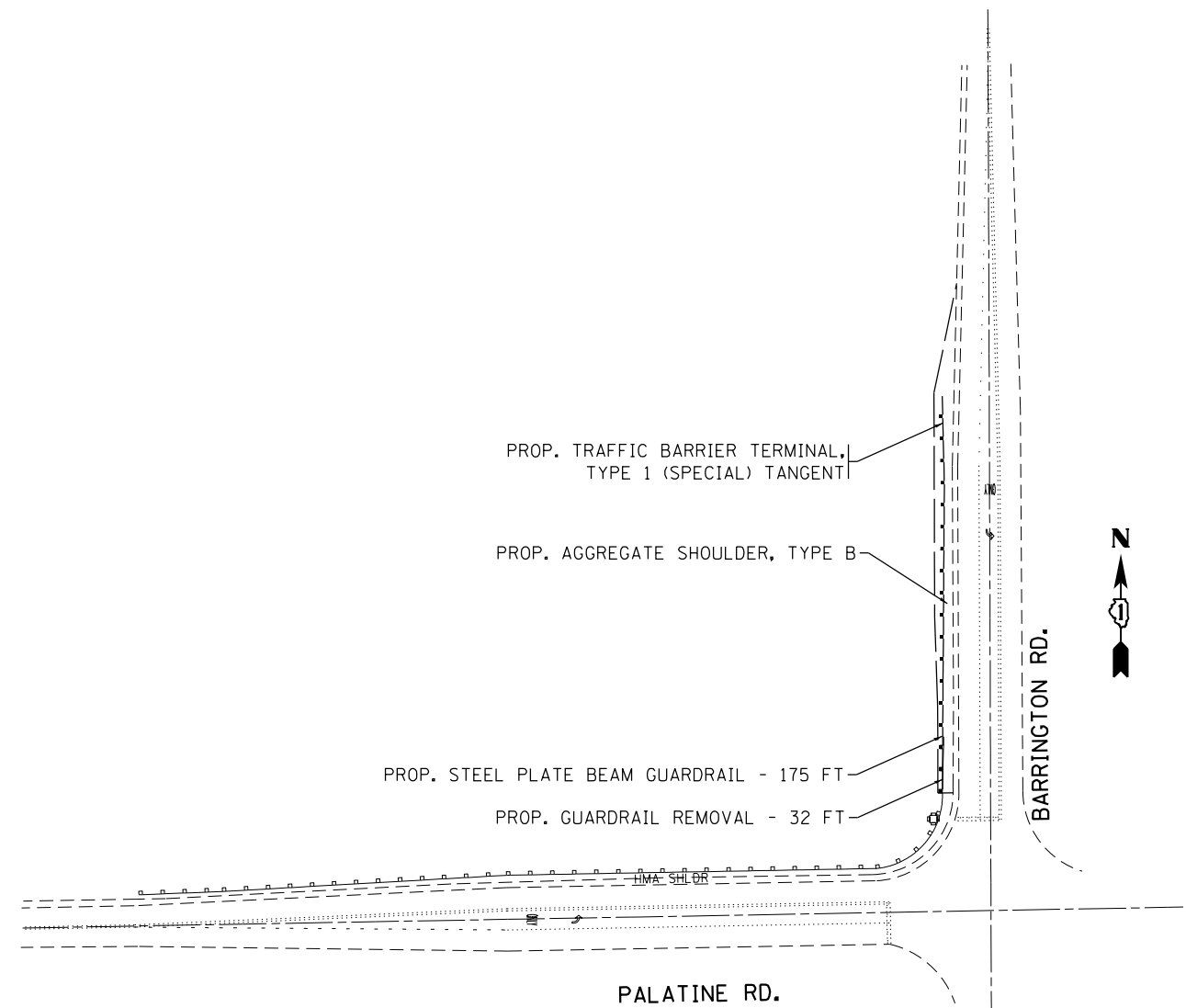
NOTE:
• (00) = LOCATION NUMBER AS SHOWN ON PLAN SHEET

FILE NAME =	USER NAME = Bilgromiso	DESIGNED - RWB/SB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GUARDRAIL REPLACEMENT (NORTH SECTION) LOCATION MAP (MCHEMRY COUNTY)	F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default		PLotted SCALE = 100.0000' / in.	CHECKED -			REVISED -	VAR	2016-060-I	VARIOUS	46	10
		DATE - 2/21/2017	REVISED -			REVISED -	SCALE: NTS SHEET 4 OF 4 SHEETS STA. TO STA.				
							CONTRACT NO. 62D53 ILLINOIS FED. AID PROJECT				

LOCATION 1
GR ID# 736



LOCATION 2
GR ID# 812



COOK COUNTY LOCATIONS

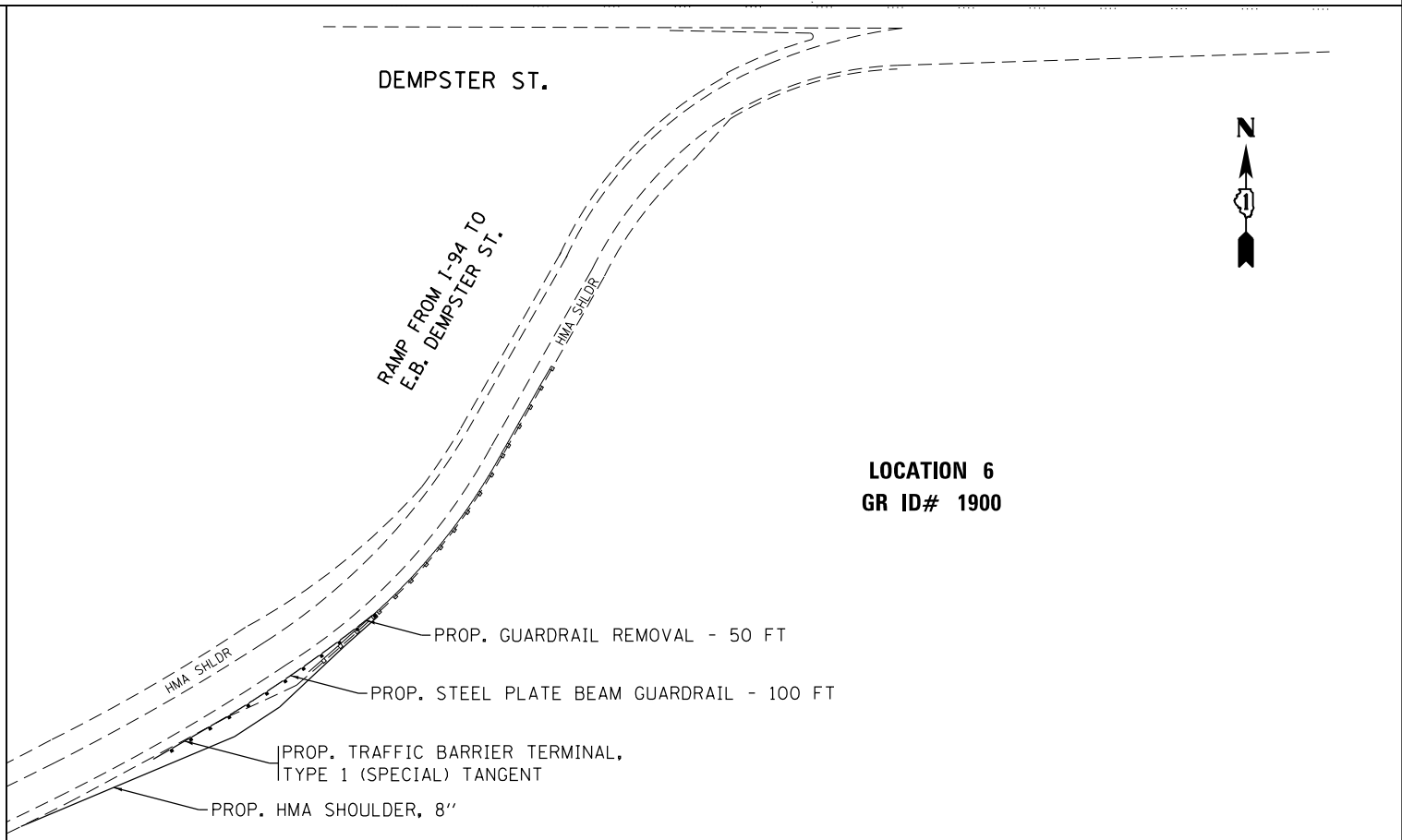
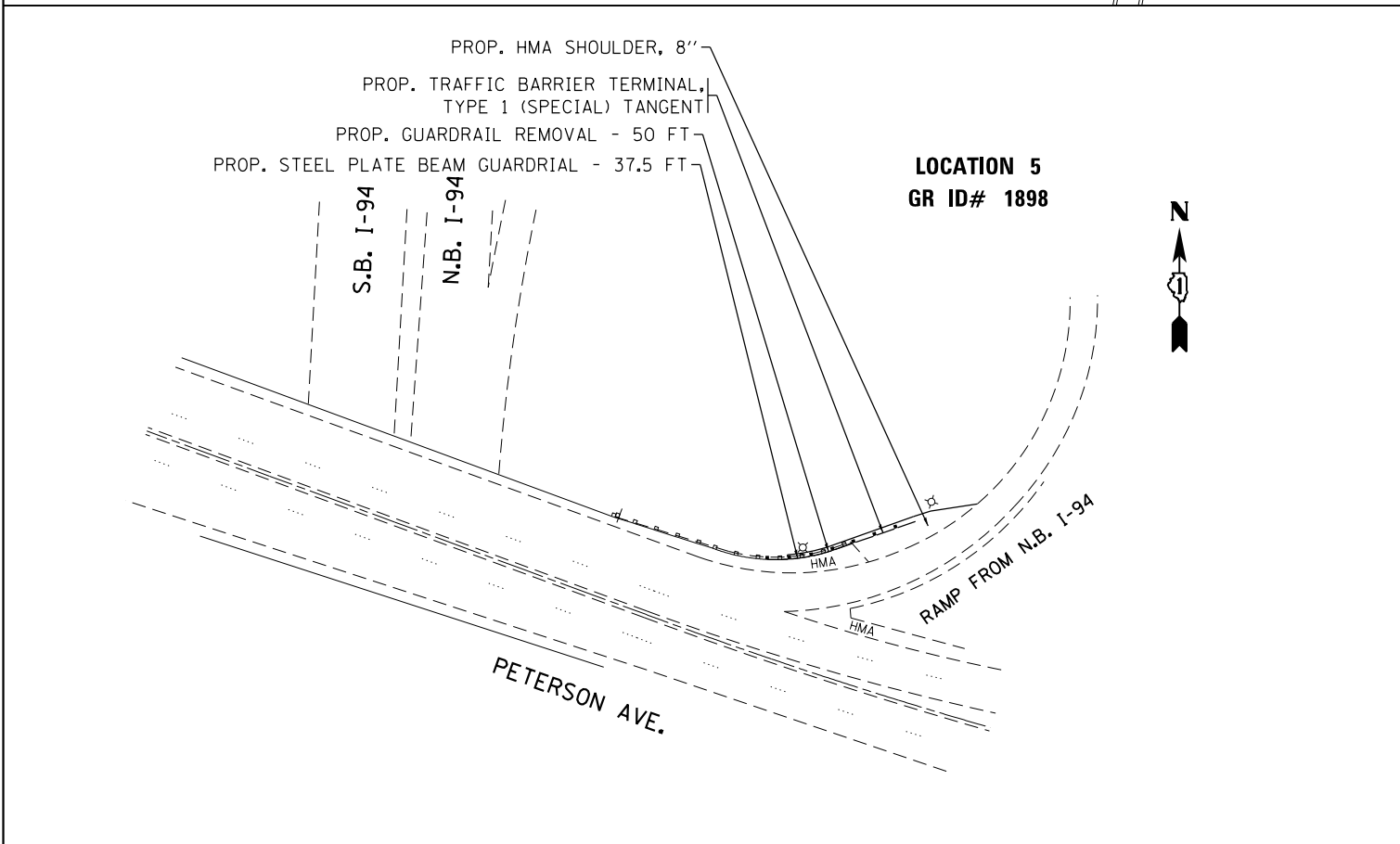
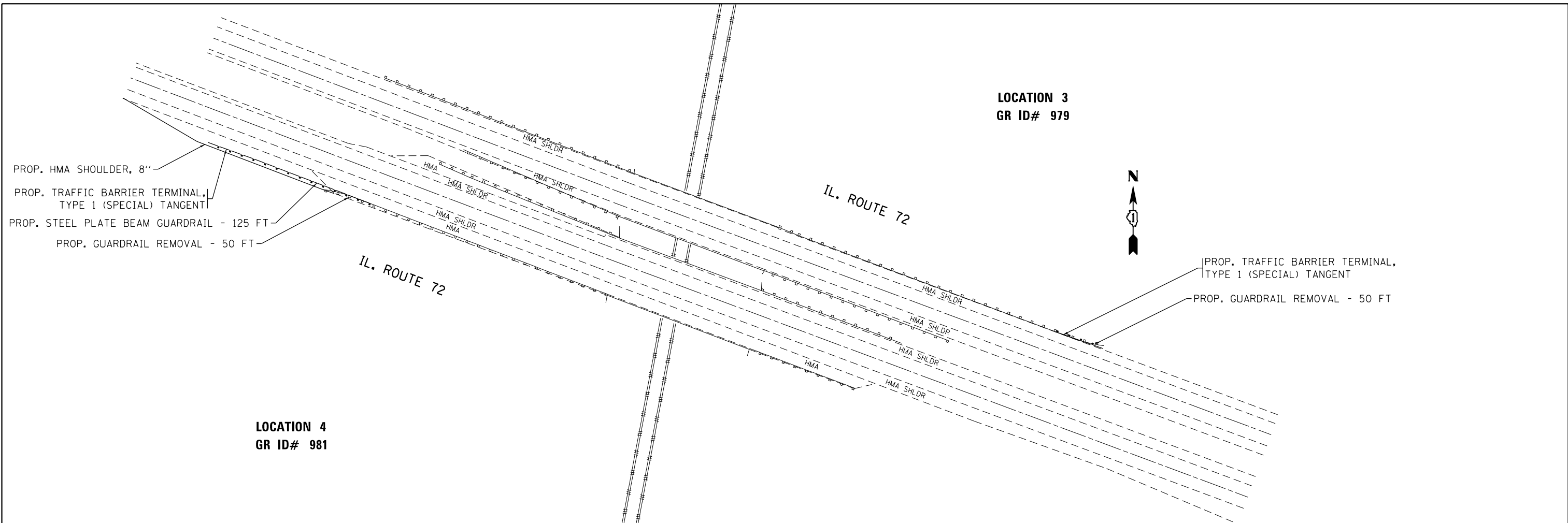
FILE NAME =	USER NAME = Bilgromiso	DESIGNED - RWB/SB	REVISED -
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Default	PLOT SCALE = 100.0000' / in.	DATE - 4/5/17	REVISED -
	PLOT DATE = 4/6/2017		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GUARDRAIL REPLACEMENT (NORTH SECTION)
ROADWAY PLANS

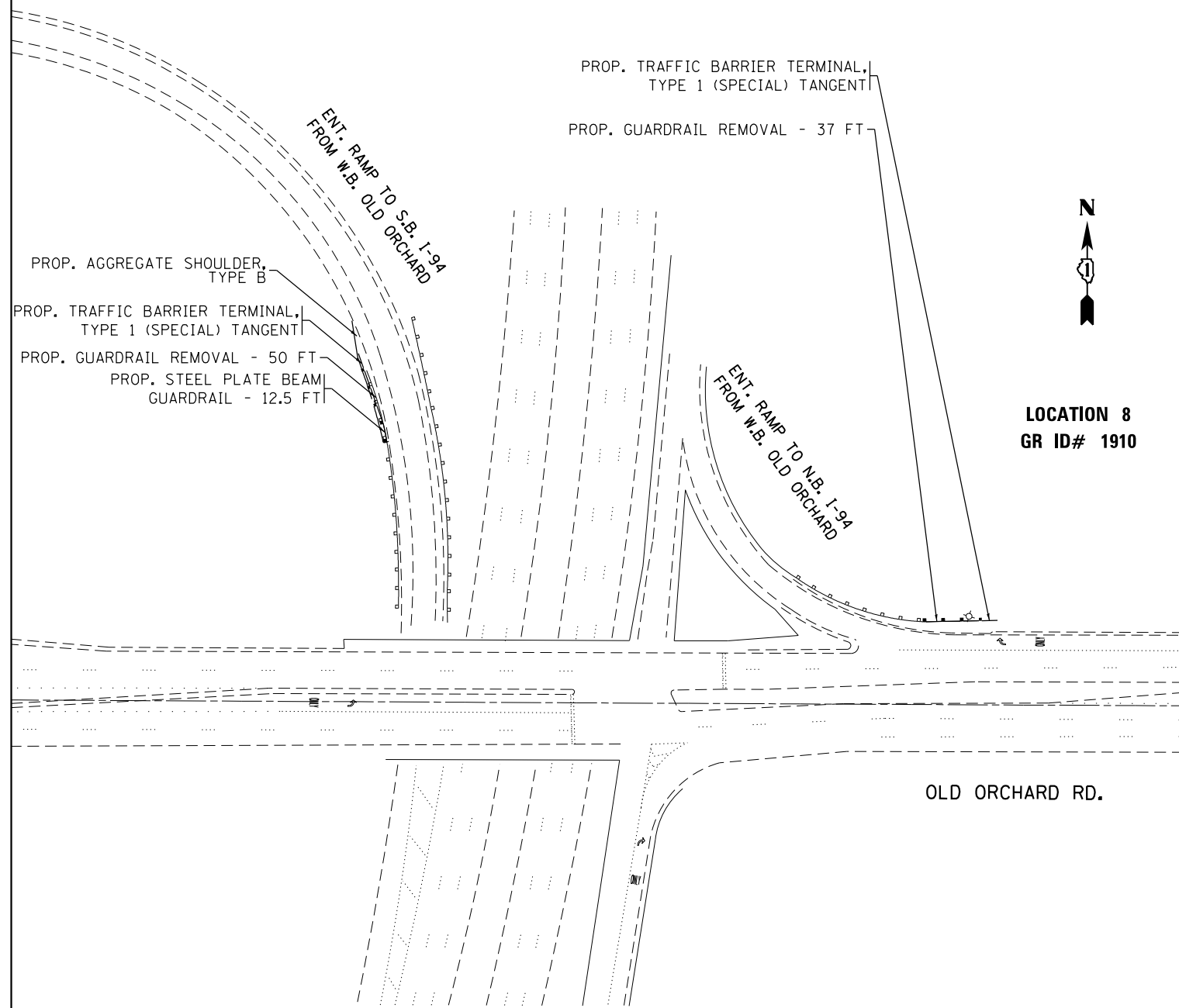
SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2016-060-I	VARIOUS	46	11
CONTRACT NO. 62D53				
ILLINOIS FED. AID PROJECT				

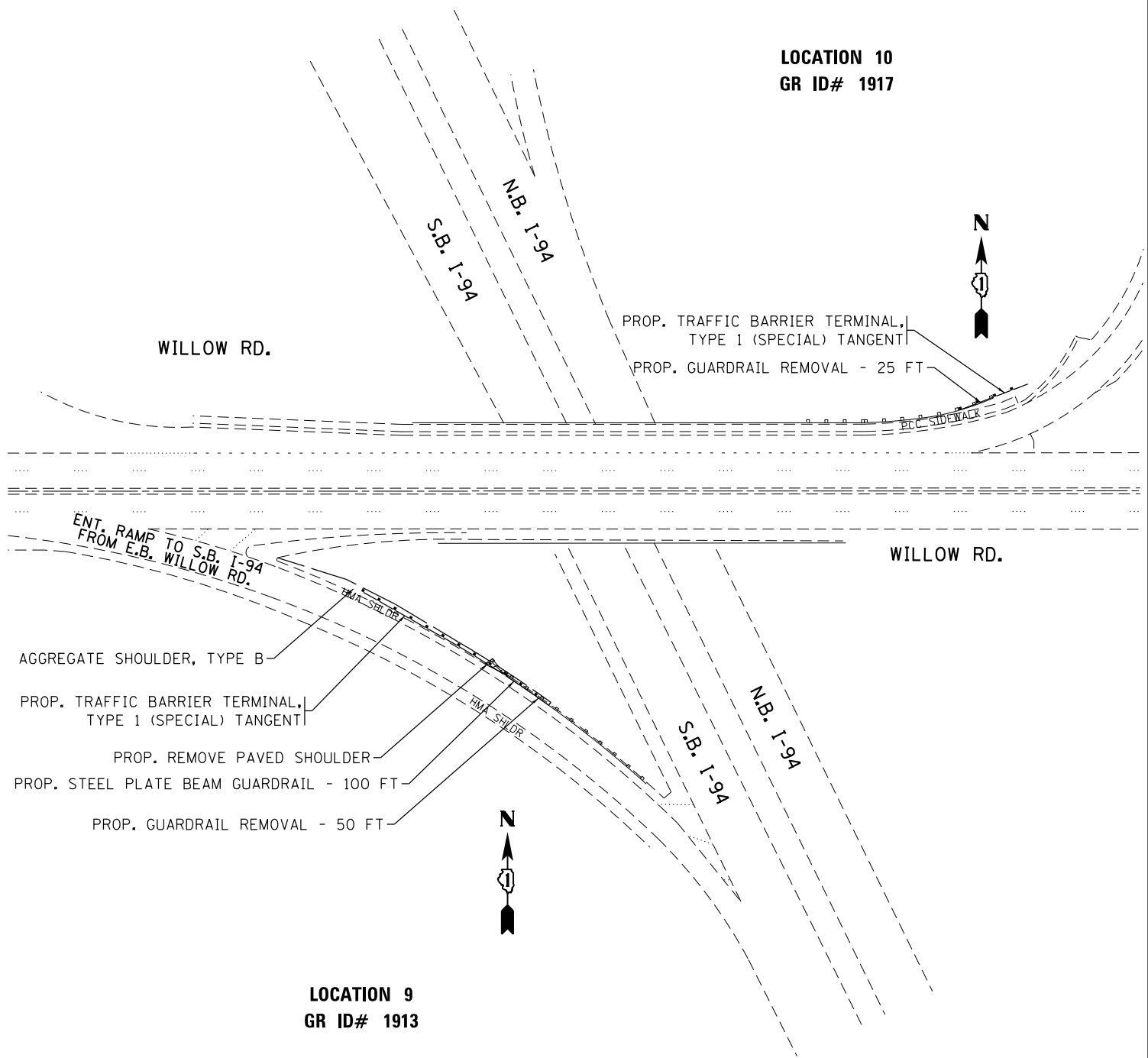


FILE NAME =	USER NAME = Bilgromiso	DESIGNED - RWB/SB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GUARDRAIL REPLACEMENT (NORTH SECTION) ROADWAY PLANS				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
Default		CHECKED -	REVISED -		SCALE: 1"=50'	SHEET	OF	SHEETS	STA.	TO	STA.	VAR	2016-060-I	VARIOUS	46	12
		DATE - 4/5/17	REVISED -		CONTRACT NO. 62D53											
					ILLINOIS FED. AID PROJECT											

**LOCATION 7
GR ID# 1904**



**LOCATION 8
GR ID# 1910**



**LOCATION 9
GR ID# 1913**

**LOCATION 10
GR ID# 1917**

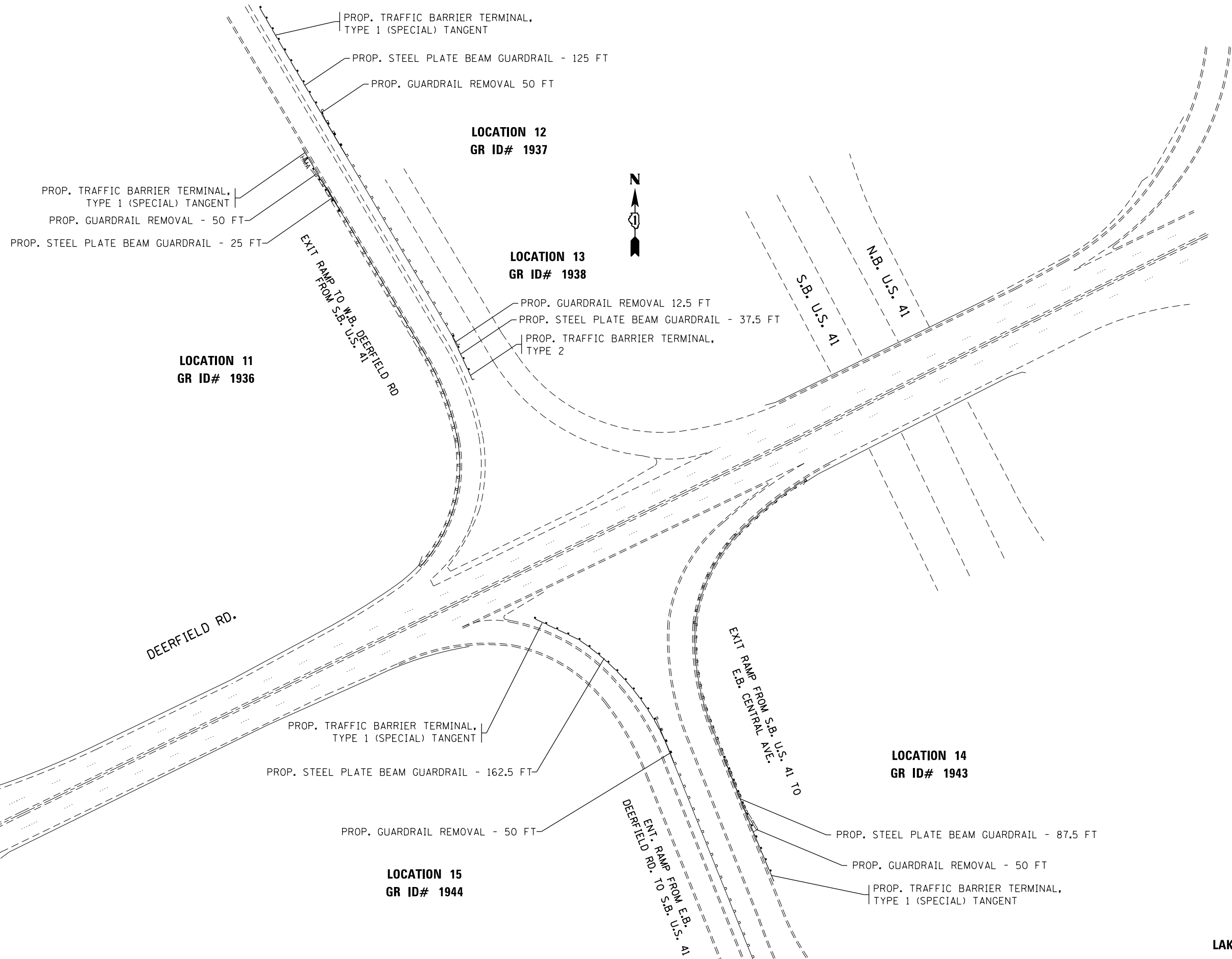
FILE NAME =	USER NAME = Bilgromiso	DESIGNED - RWB/SB	REVISED -
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 4/6/2017	DATE - 4/5/17	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GUARDRAIL REPLACEMENT (NORTH SECTION)
ROADWAY PLANS**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2016-060-1	VARIOUS	46	13
CONTRACT NO. 62D53			ILLINOIS FED. AID PROJECT	



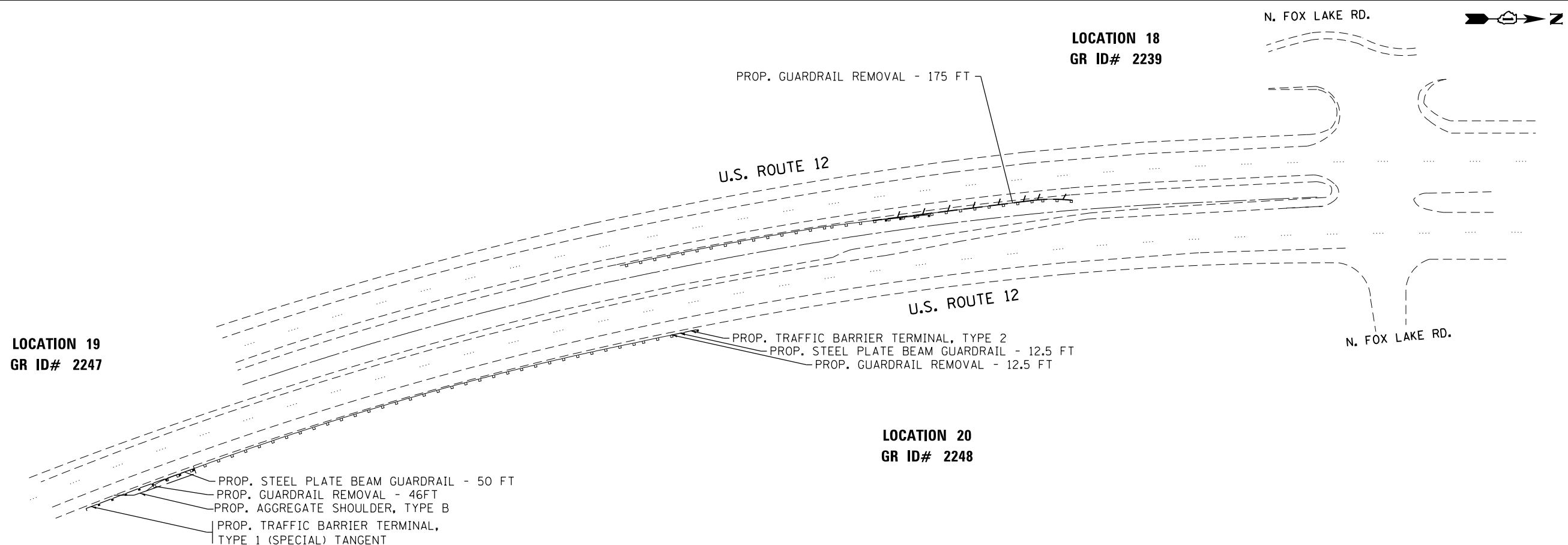
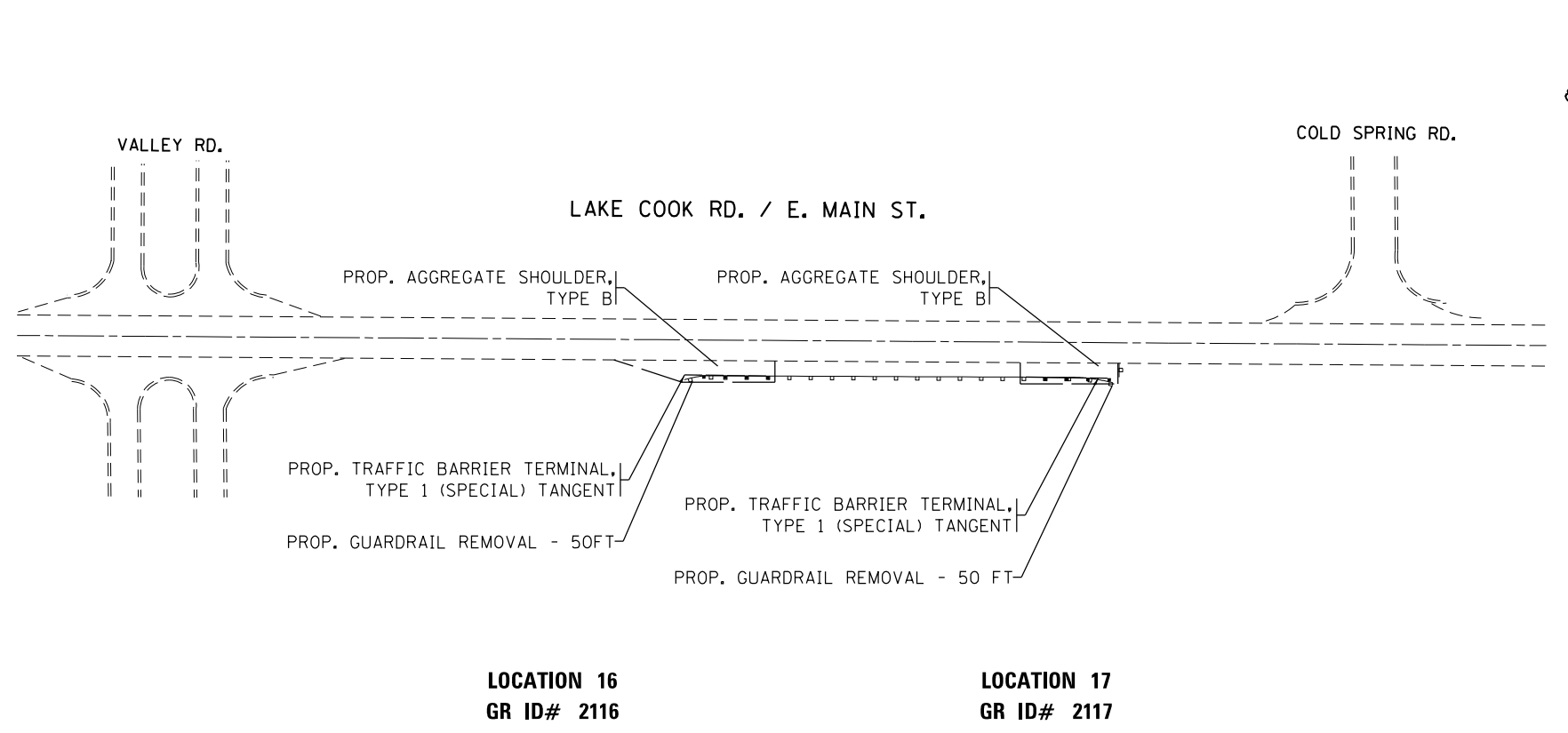
LAKE COUNTY LOCATIONS

FILE NAME =	USER NAME = Bilgramisa	DESIGNED - RWB/SB	REVISED -
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 4/6/2017	DATE - 4/5/17	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GUARDRAIL REPLACEMENT (NORTH SECTION) ROADWAY PLANS			
SCALE: 1"=50'	SHEET	OF SHEETS	STA. TO STA.

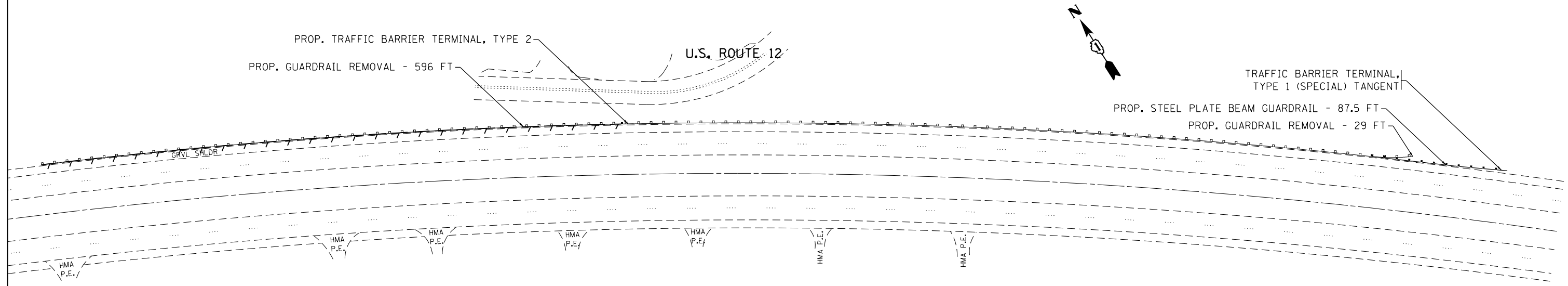
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2016-060-1	VARIOUS	46	14
CONTRACT NO. 62D53				
ILLINOIS FED. AID PROJECT				



FILE NAME =	USER NAME = Bilgramisa	DESIGNED - RWB/SB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GUARDRAIL REPLACEMENT (NORTH SECTION) ROADWAY PLANS				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
p:\11084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\DI0511\Drawings\Design\BWB\SB\ht-plan1.dgn	DRAWN BY - RWB/SB	CHECKED -	REVISED -		SCALE: 1"=50'	SHEET	OF	SHEETS	STA.	TO	STA.	VAR	2016-060-I	ILLINOIS	FED. AID PROJECT
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -										46	15	
	PLOT DATE = 4/6/2017	DATE - 4/5/17	REVISED -										CONTRACT NO. 62D53		

LOCATION 22
GR ID# 2469

LOCATION 21
GR ID# 2468

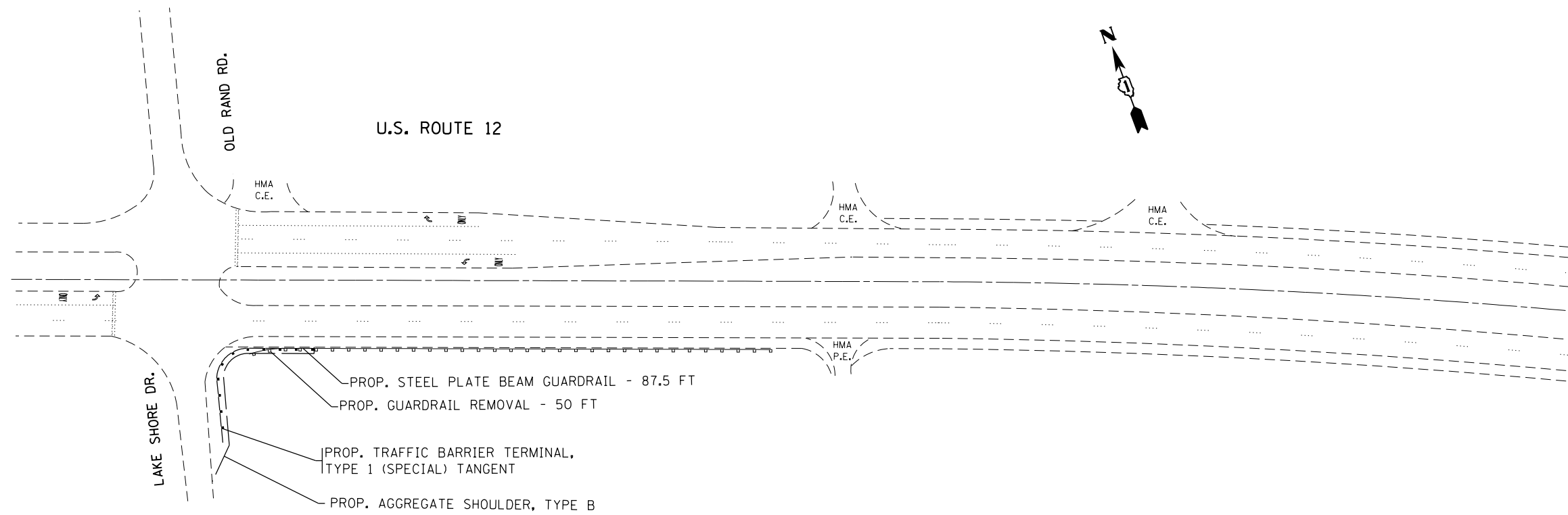


FILE NAME =	USER NAME = Bilgramisa	DESIGNED - RWB/SB	REVISED -
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Default	PLOT DATE = 4/6/2017	DATE - 4/5/17	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

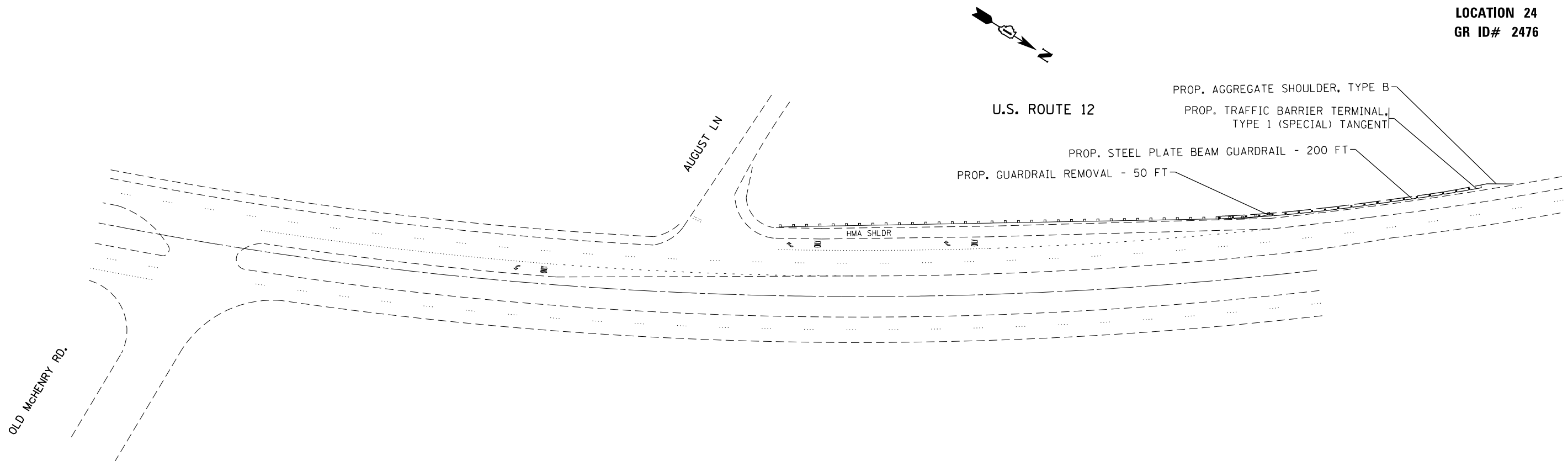
GUARDRAIL REPLACEMENT (NORTH SECTION) ROADWAY PLANS			
SCALE: 1"=50'	SHEET	OF	SHEETS
	STA.		TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2016-060-1	VARIOUS	46	16
			CONTRACT NO. 62D53	
ILLINOIS FED. AID PROJECT				



LOCATION 23
GR ID# 2470

LOCATION 24
GR ID# 2476



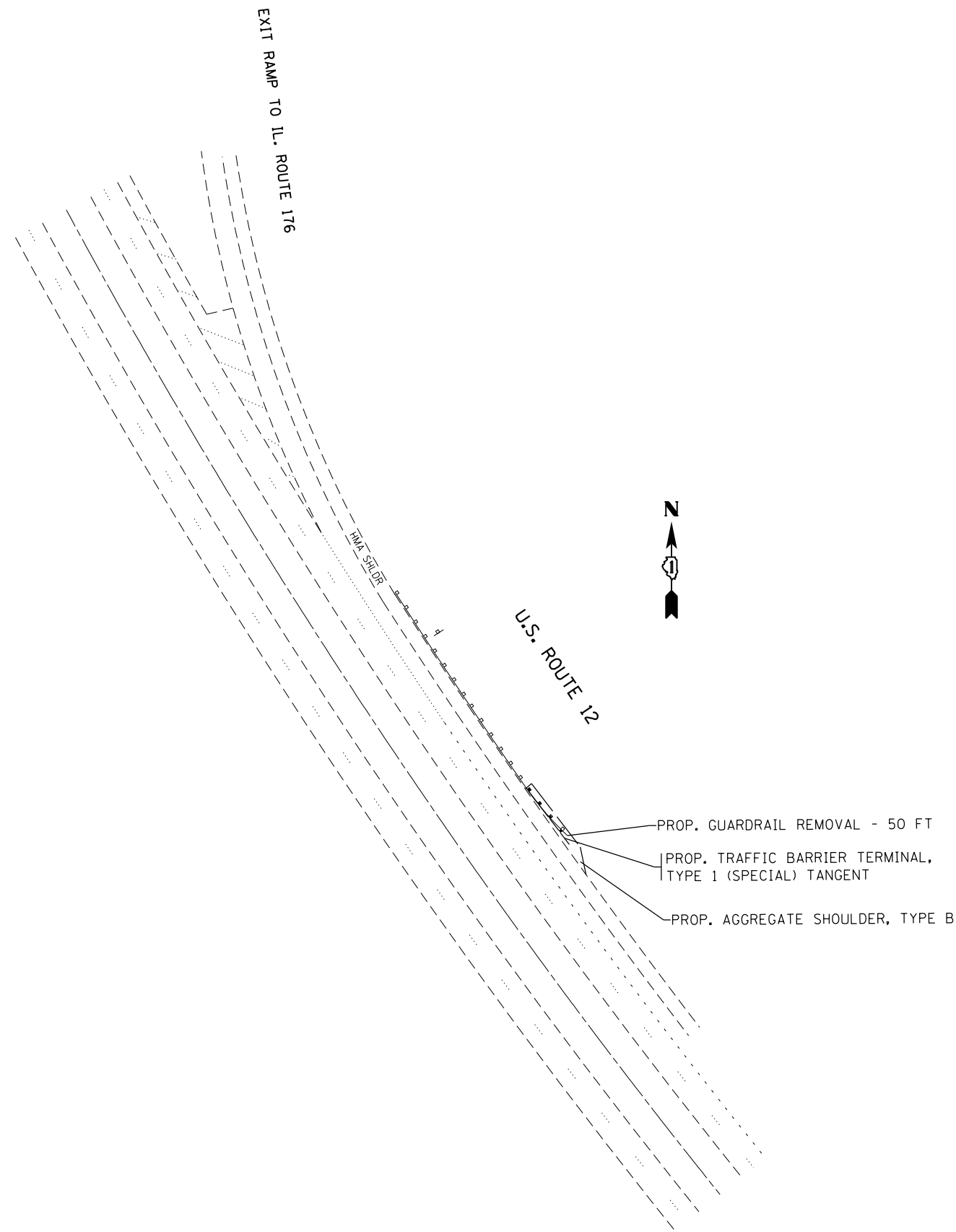
FILE NAME =	USER NAME = Bilgramisa	DESIGNED - RWB/SB	REVISED -
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Default	PLOT SCALE = 100.0000' / in.	DATE - 4/5/17	REVISED -
	PLOT DATE = 4/6/2017		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GUARDRAIL REPLACEMENT (NORTH SECTION)
ROADWAY PLANS

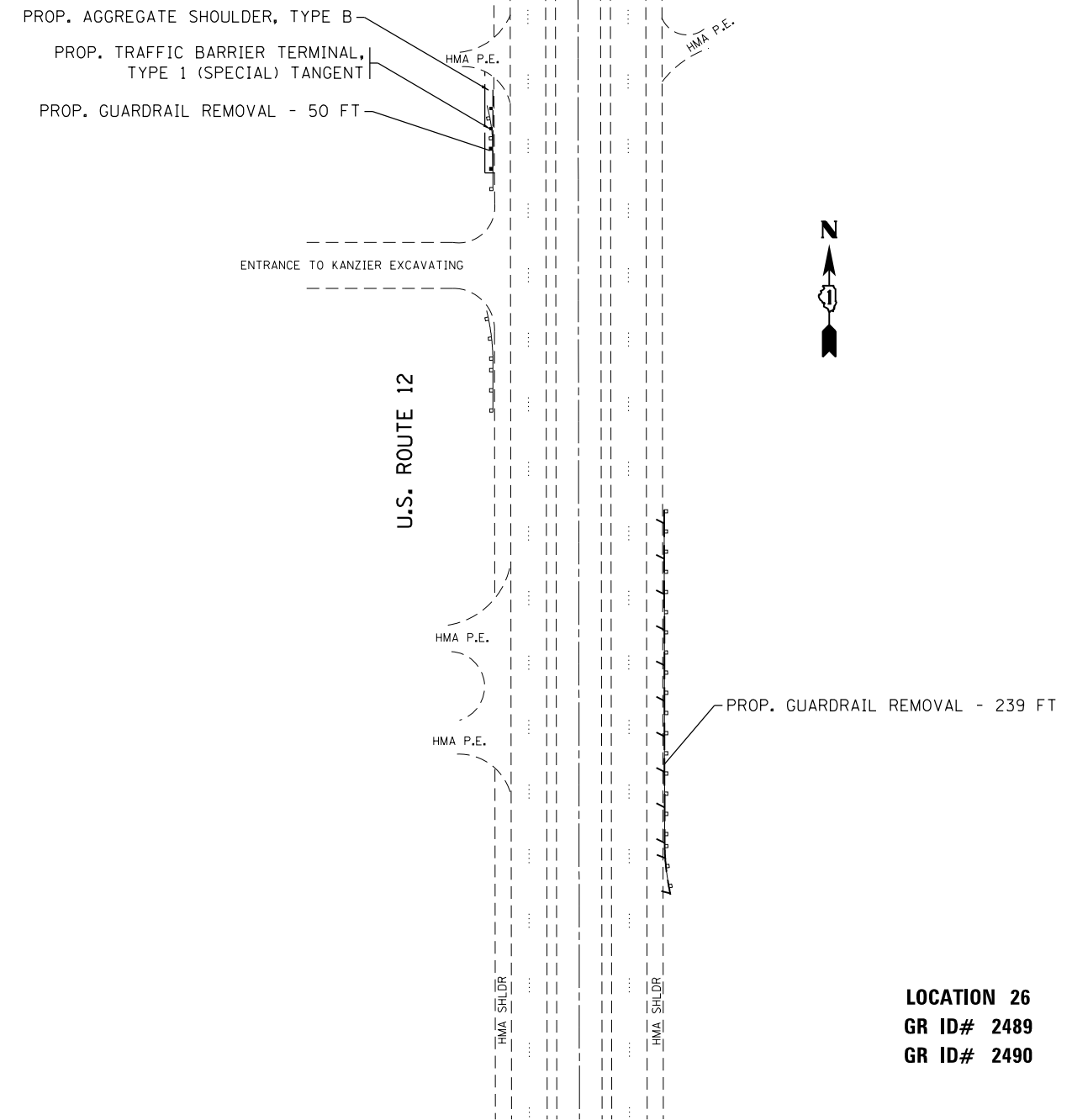
SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2016-060-1	VARIOUS	46	17
CONTRACT NO. 62D53				
ILLINOIS FED. AID PROJECT				



LOCATION 25
GR ID# 2485

LOCATION 28
GR ID# 2495



LOCATION 26
GR ID# 2489
GR ID# 2490

FILE NAME =	USER NAME = Bilgramisa	DESIGNED - RWB/SB	REVISED -
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Default	PLOT DATE = 4/6/2017	DATE - 4/5/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GUARDRAIL REPLACEMENT (NORTH SECTION)
ROADWAY PLANS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2016-060-I	VARIOUS	46	18
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62D53	

LOCATION 27
GR ID# 2493

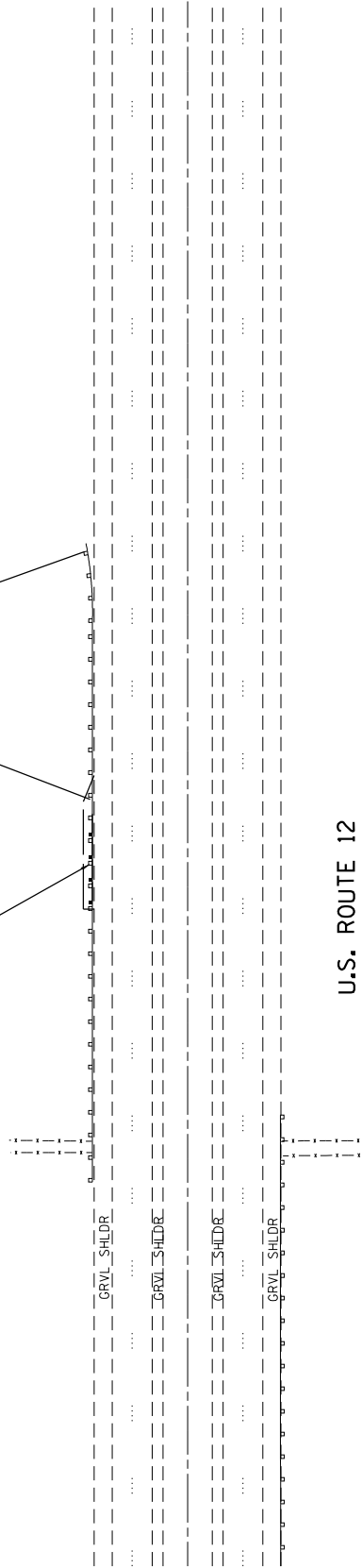


PROP. GUARDRAIL REMOVAL - 200 FT

PROP. AGGREGATE SHOULDER, TYPE B

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

U.S. ROUTE 12

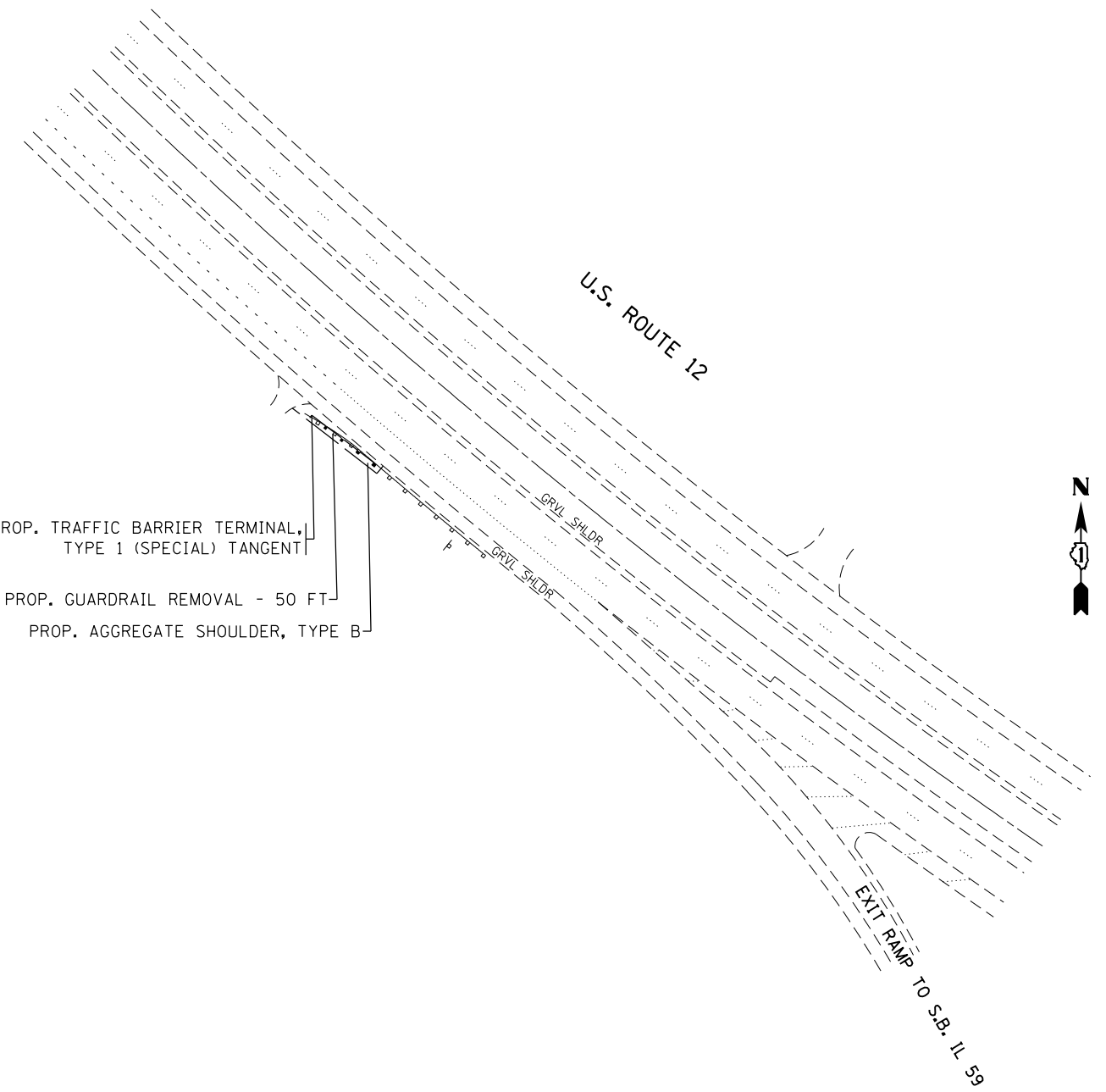


PROP. TRAFFIC BARRIER TERMINAL,
TYPE 1 (SPECIAL) TANGENT

PROP. GUARDRAIL REMOVAL - 50 FT

PROP. AGGREGATE SHOULDER, TYPE B

U.S. ROUTE 12



LOCATION 29
GR ID# 2501

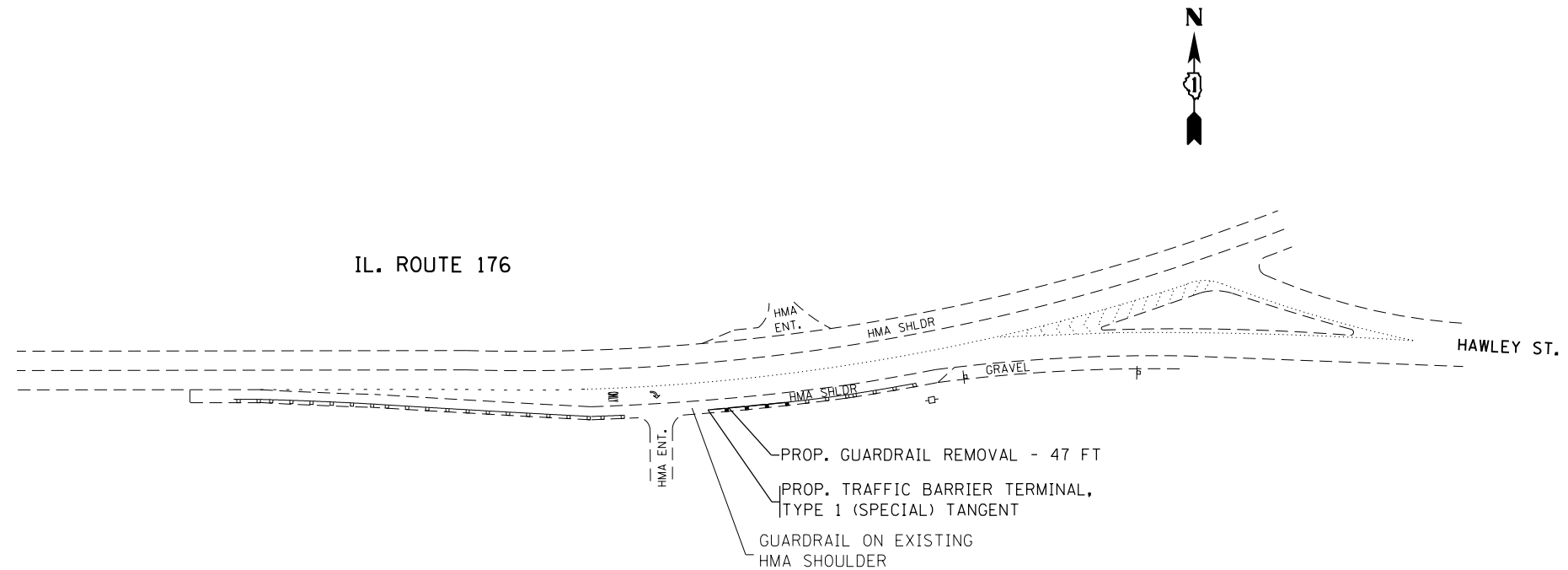
FILE NAME =	USER NAME = Bilgromiso	DESIGNED - RWB/SB	REVISED -
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Default	PLOT SCALE = 100.0000' / in.	DATE - 4/5/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

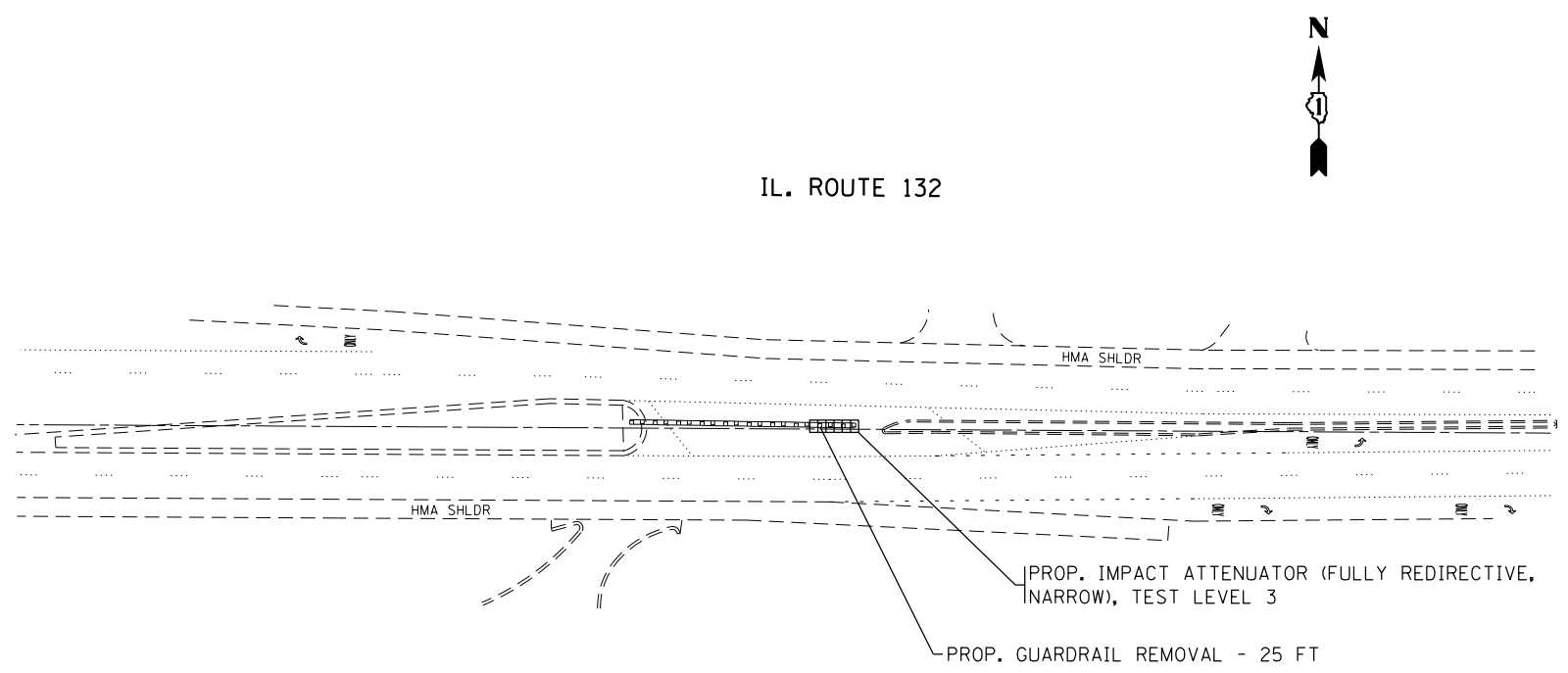
GUARDRAIL REPLACEMENT (NORTH SECTION)
ROADWAY PLANS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2016-060-1	VARIOUS	46	19
CONTRACT NO. 62D53				
ILLINOIS FED. AID PROJECT				



LOCATION 30
GR ID# 2546

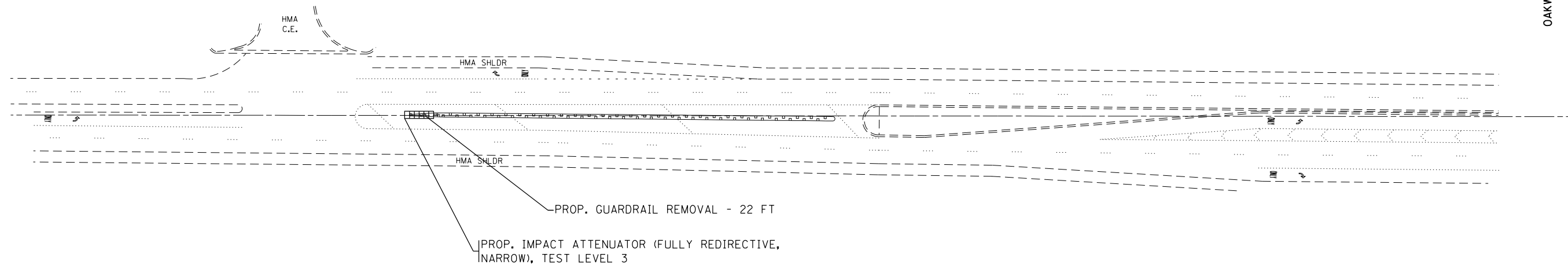


LOCATION 31
GR ID# 3366

FILE NAME =	USER NAME = Bilgromiso	DESIGNED - RWB/SB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GUARDRAIL REPLACEMENT (NORTH SECTION) ROADWAY PLANS				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
pw:\IL\084EBIDINTEG.illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\DI0511\Drawings\Design\BWB\SB\ht-plan1.dgn		CHECKED -	REVISED -		SCALE: 1"=50'	SHEET	OF	SHEETS	STA.	TO	STA.	VAR	2016-060-I	VARIOUS	46	20
Default		PLOT SCALE = 100.0000' / in.	REVISED -													
		PLOT DATE = 4/6/2017	REVISED -													
												CONTRACT NO. 62D53		ILLINOIS FED. AID PROJECT		

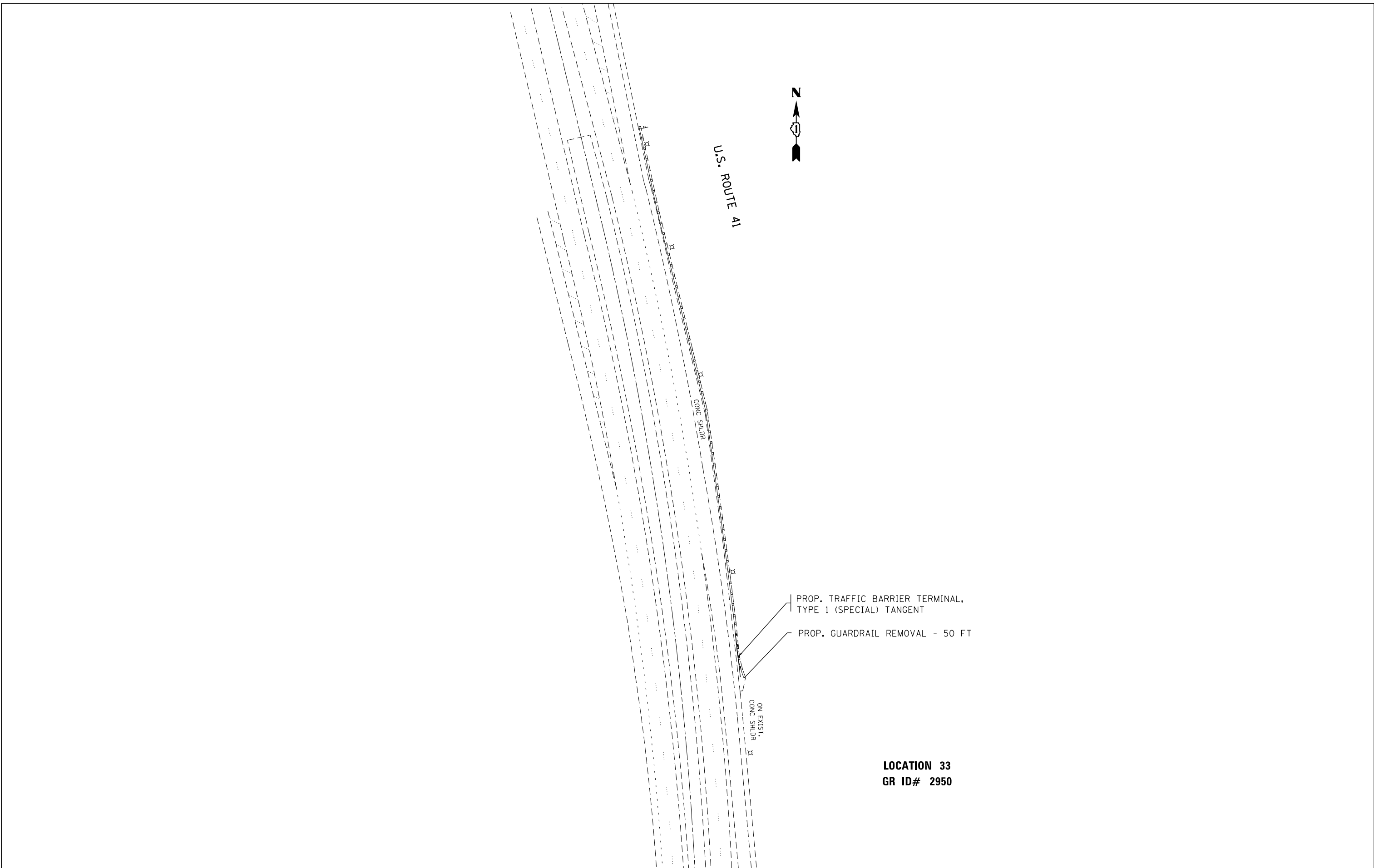
IL. ROUTE 132

OAKWOOD DR.



LOCATION 32
GR ID# 3369

FILE NAME =	USER NAME = Bilgramisa	DESIGNED - RWB/SB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GUARDRAIL REPLACEMENT (NORTH SECTION) ROADWAY PLANS				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\IL\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\DI0511\Drawings\Design\BWB\SB\ht-plan1.dgn		DRAWN BY RWB/SB	REVISED -		VAR	2016-060-I	VARIOUS	46	21					
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		SCALE: 1"=50'				SHEET OF SHEETS STA. TO STA.				CONTRACT NO. 62D53	
	PLOT DATE = 4/6/2017	DATE - 4/5/17	REVISED -		ILLINOIS FED. AID PROJECT									



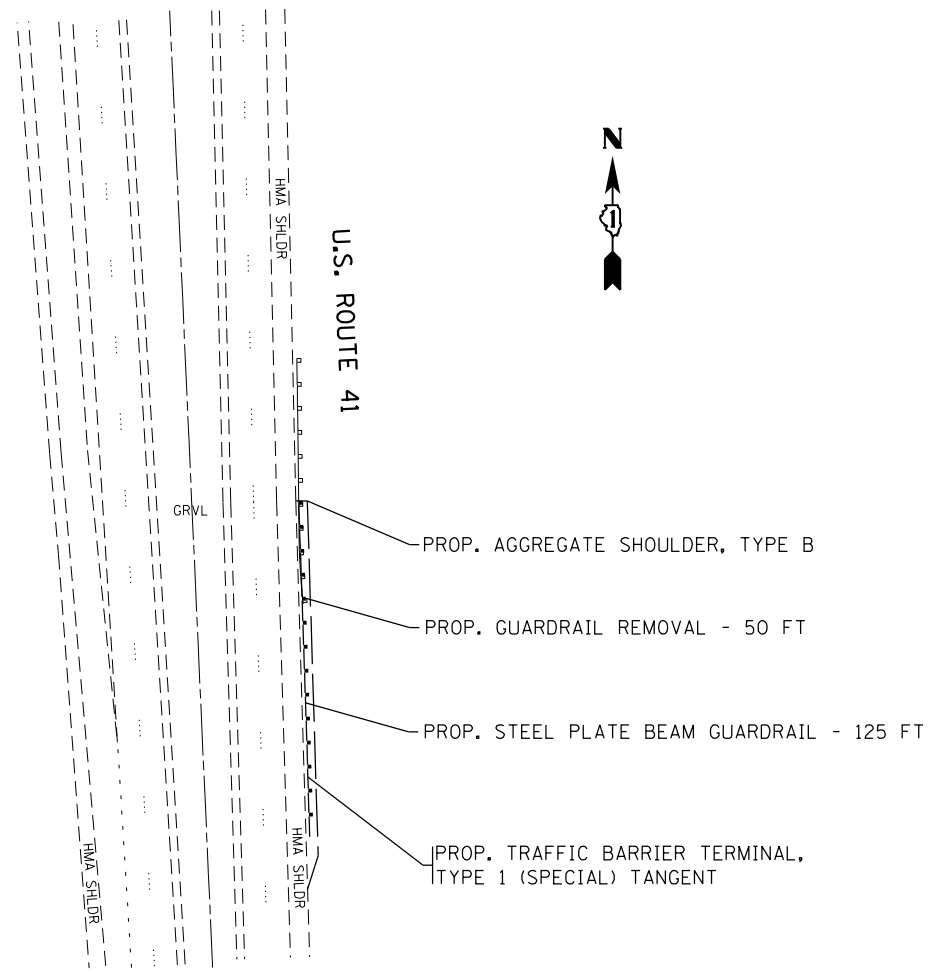
FILE NAME =	USER NAME = Bilgramisa	DESIGNED - RWB/SB	REVISED -
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Default	PLOT DATE = 4/6/2017	DATE - 4/5/17	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

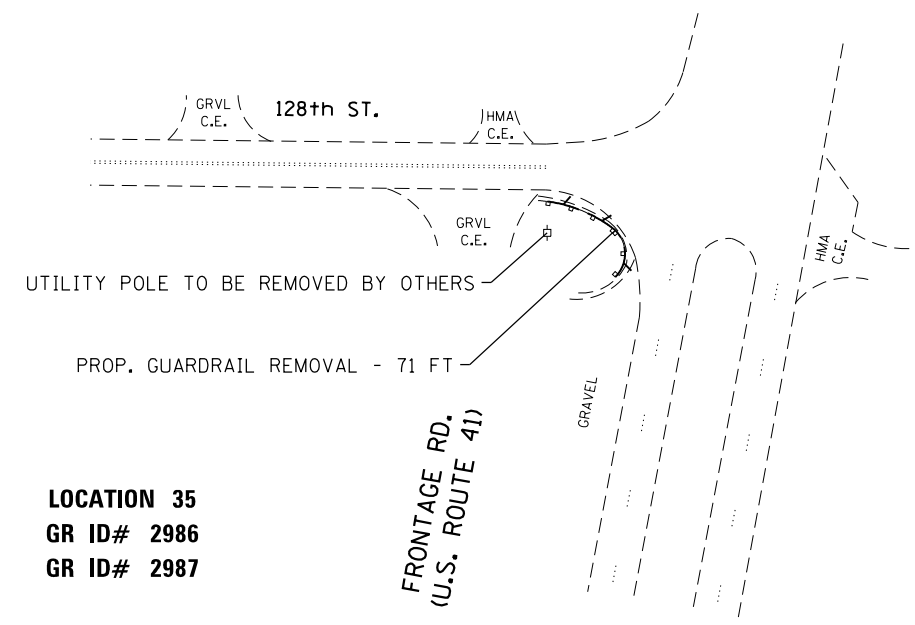
**GUARDRAIL REPLACEMENT (NORTH SECTION)
ROADWAY PLANS**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2016-060-I	VARIOUS	46	22
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62D53	



LOCATION 34
GR ID# 2979



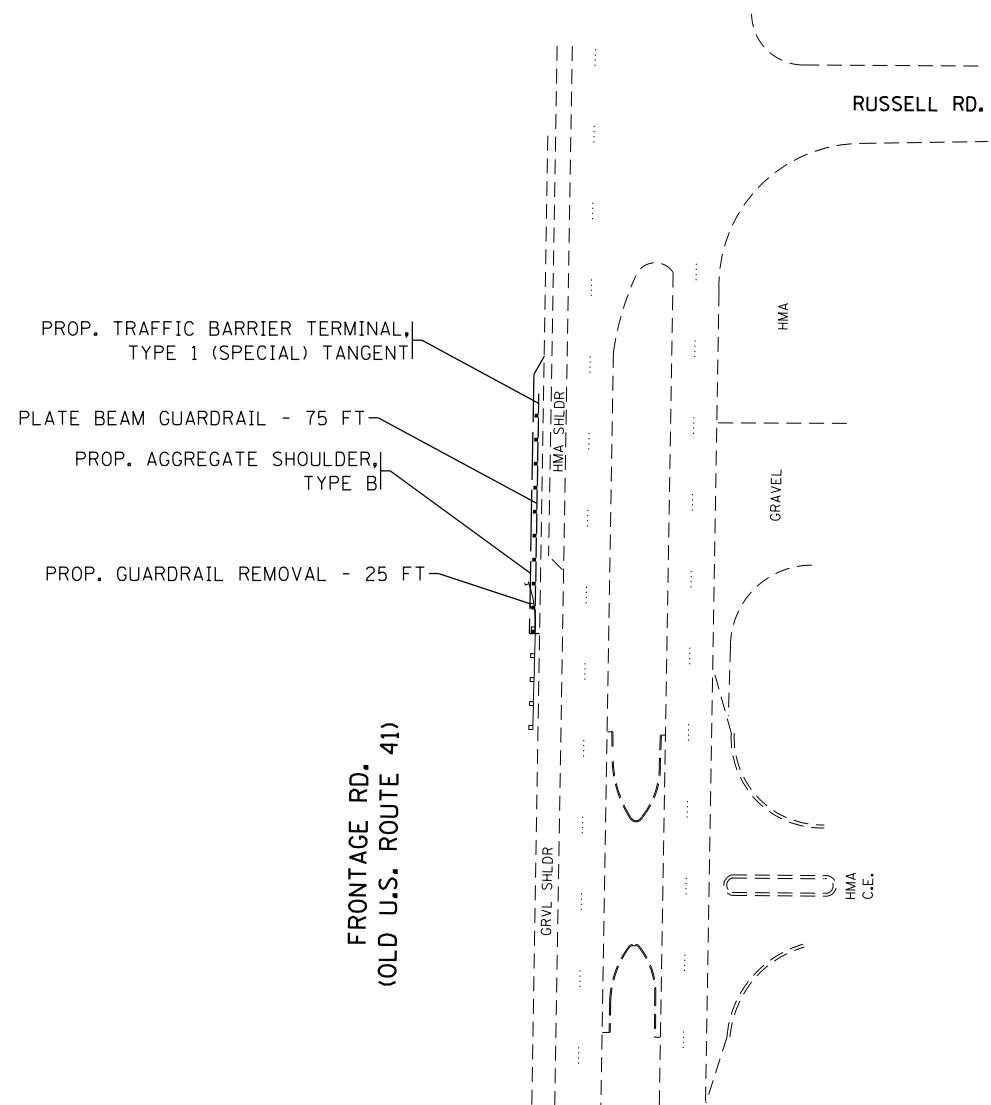
LOCATION 35
GR ID# 2986
GR ID# 2987

FILE NAME =	USER NAME = Bilgromiso	DESIGNED - RWB/SB	REVISED -
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 4/6/2017	DATE - 4/5/17	REVISED -

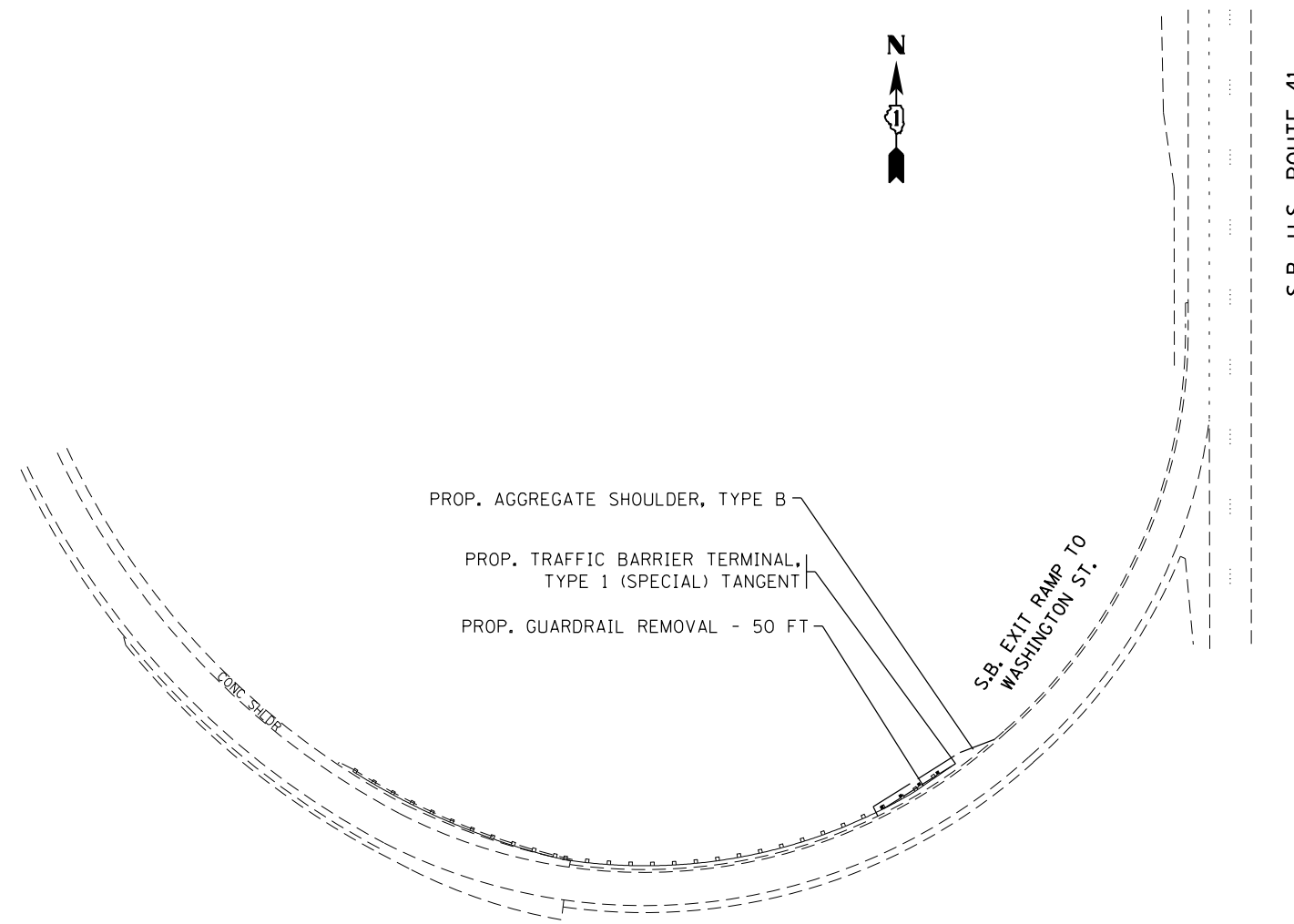
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GUARDRAIL REPLACEMENT (NORTH SECTION)			
ROADWAY PLANS			
SCALE: 1"=50'	SHEET	OF	SHEETS
	STA.		TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2016-060-I	VARIOUS	46	23
CONTRACT NO. 62D53				
ILLINOIS FED. AID PROJECT				



LOCATION 36
GR ID# 2988



LOCATION 37
GR ID# 3034

FILE NAME =	USER NAME = Bilgramisa	DESIGNED - RWB/SB	REVISED -
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Default	PLOT SCALE = 100.0000' / in.	DATE - 4/5/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GUARDRAIL REPLACEMENT (NORTH SECTION)
ROADWAY PLANS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2016-060-1	VARIOUS	46	24
CONTRACT NO. 62D53				
ILLINOIS FED. AID PROJECT				

LOCATION 38
GR ID# 3039



PROP. TRAFFIC BARRIER TERMINAL,
TYPE 1 (SPECIAL) TANGENT
PROP. GUARDRAIL REMOVAL - 40 FT

ENT. RAMP TO N.B. U.S. ROUTE 41

WASHINGTON ST.



N.B. EXIT RAMP TO
WASHINGTON ST.

PROP. GUARDRAIL REMOVAL - 50 FT

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

LOCATION 39
GR ID# 3056

FILE NAME =	USER NAME = Bilgramisa	DESIGNED - RWB/SB	REVISED -
p:\11\084EBIDINTEG.illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\DI0511\Drawings\Design\BWB\SB\ht-plan2.dgn		DRAWN BY RWB/SB	REVISED -
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 4/6/2017	DATE - 4/5/17	REVISED -

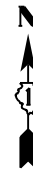
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GUARDRAIL REPLACEMENT (NORTH SECTION)
ROADWAY PLANS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2016-060-I	VARIOUS	46	25
			CONTRACT NO. 62D53	
ILLINOIS FED. AID PROJECT				

LOCATION 40
GR ID# 5385

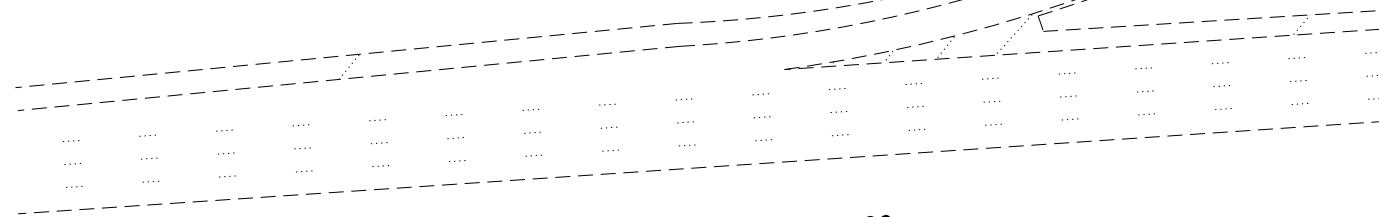


PROP. AGGREGATE SHOULDER, TYPE B
PROP. GUARDRAIL REMOVAL - 50 FT
PROP. TRAFFIC BARRIER TERMINAL,
TYPE 1 (SPECIAL) TANGENT

ENT. RAMP FROM S.B. IL. ROUTE 171

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

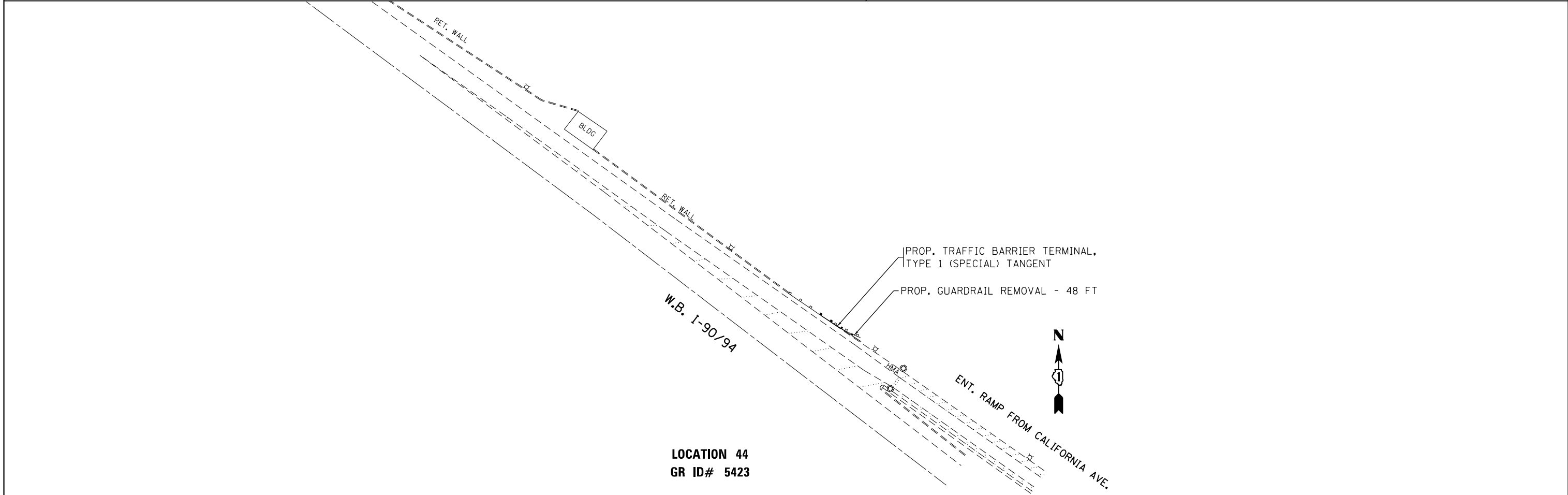
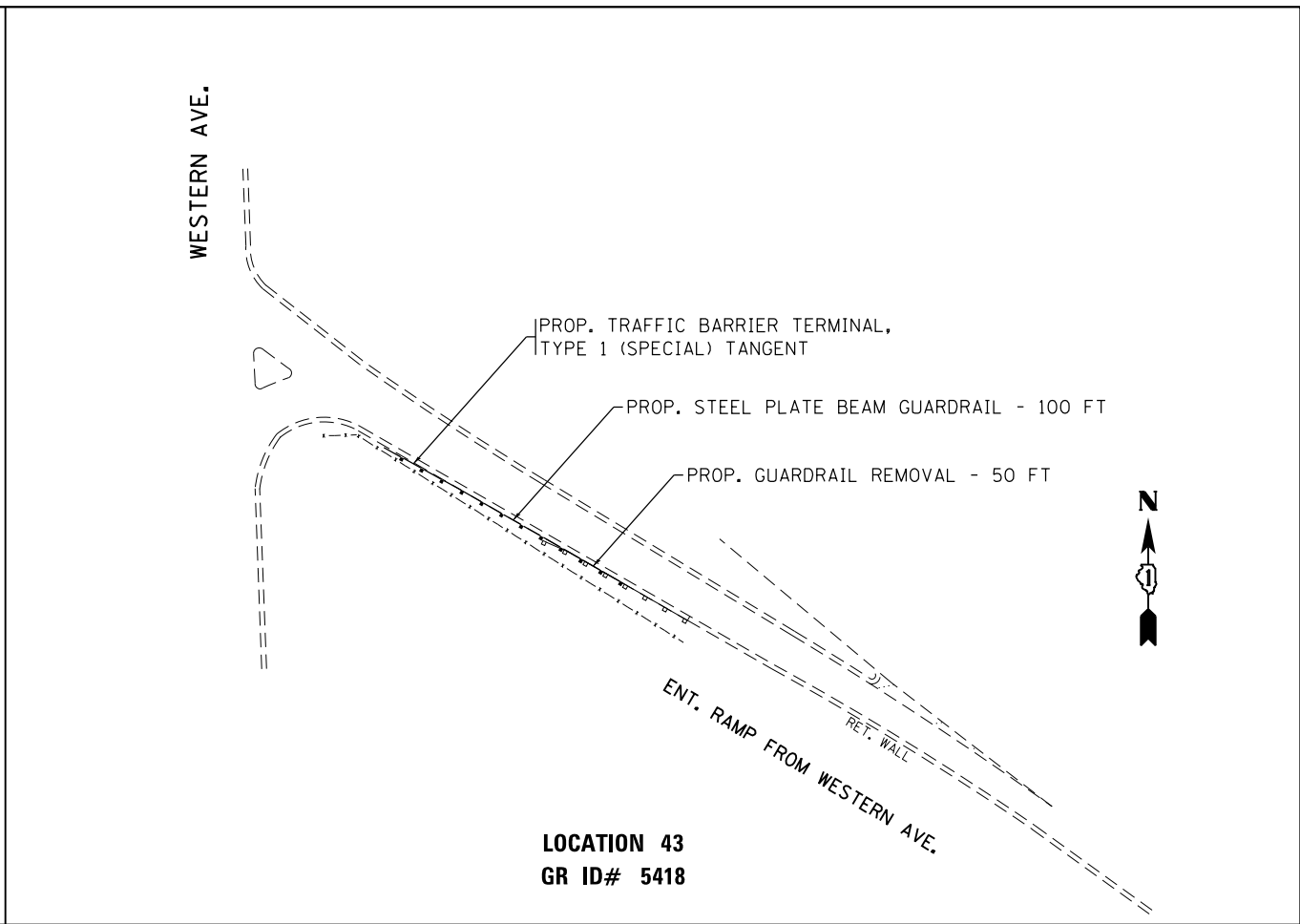
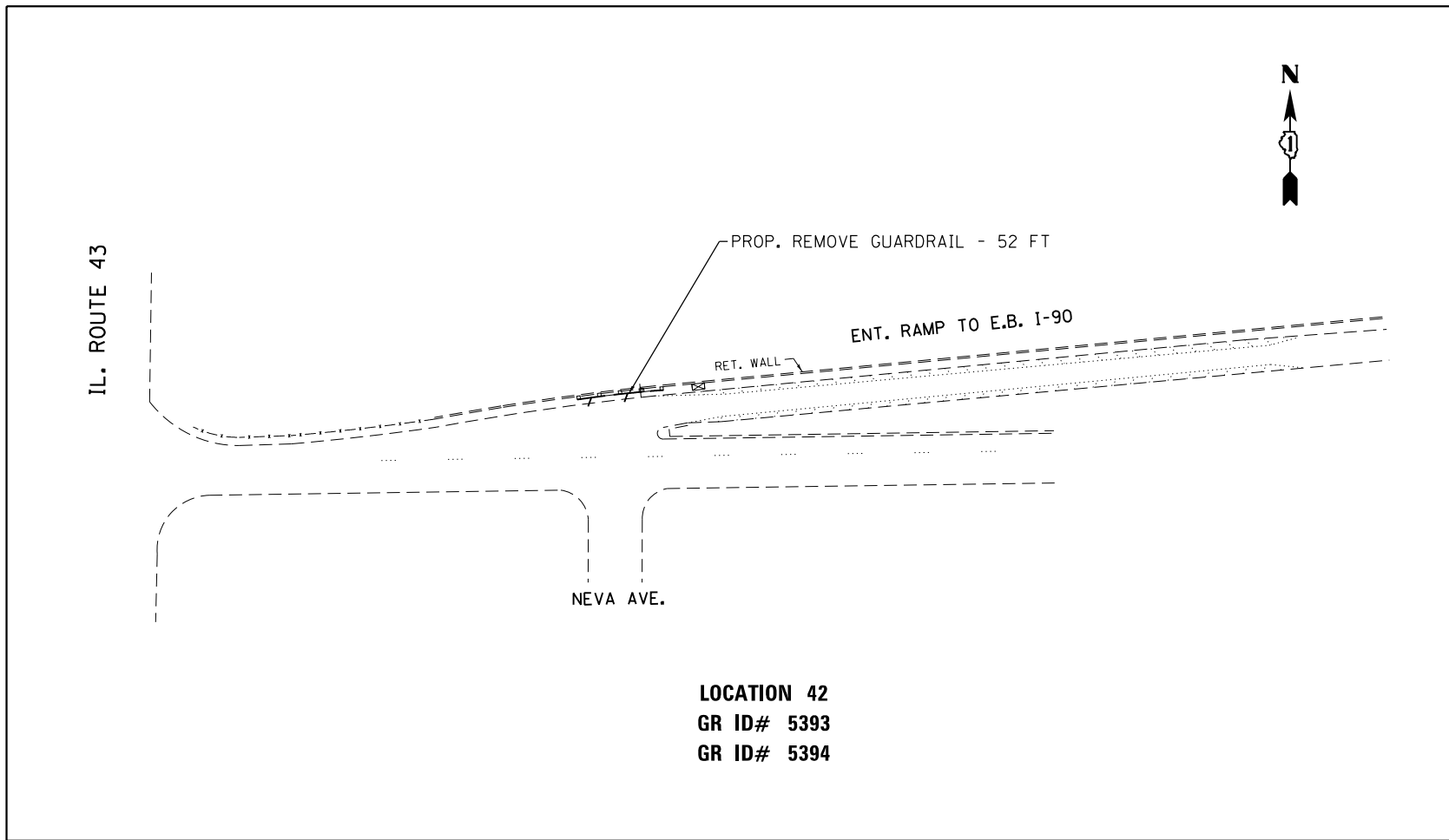
LOCATION 41
GR ID# 5386



W.B. I-90

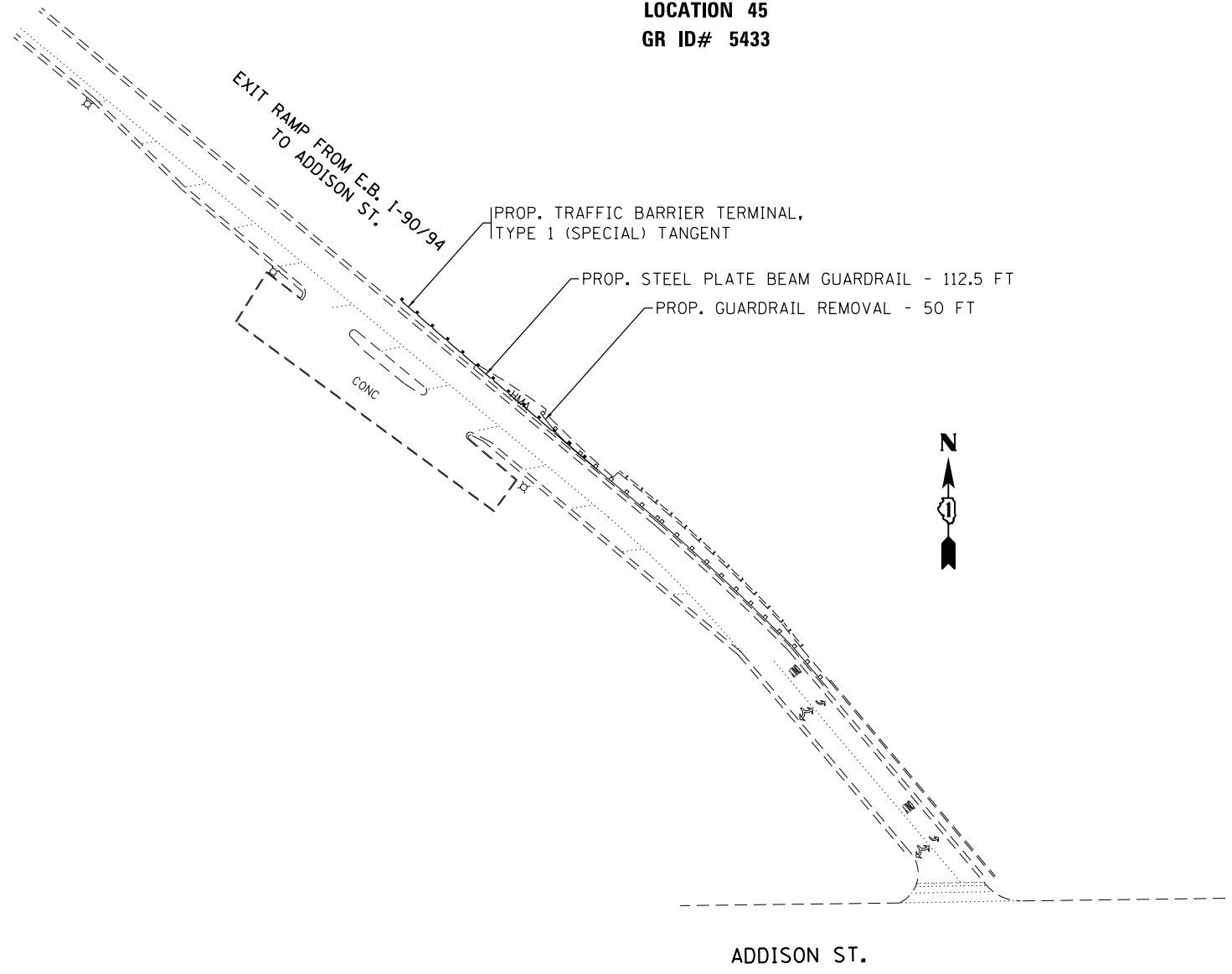
COOK COUNTY LOCATIONS

FILE NAME =	USER NAME = Bilgramisa	DESIGNED - RWB/SB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GUARDRAIL REPLACEMENT (NORTH SECTION) ROADWAY PLANS				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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Default	PLOT SCALE = 100.0000' / in.	DATE - 4/5/17	REVISED -		SCALE: 1"=50'				SHEET OF SHEETS STA. TO STA.				
	PLOT DATE = 4/6/2017	DATE - 4/5/17	REVISED -		ILLINOIS FED. AID PROJECT				CONTRACT NO. 62D53				



FILE NAME =	USER NAME = Bilgramisa	DESIGNED - RWB/SB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GUARDRAIL REPLACEMENT (NORTH SECTION) ROADWAY PLANS				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\IL\084EBIDINTEG\Illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\DI0511\Drawings\Design\BWB\SB\ht-plan2.dgn		CHECKED -	REVISED -		VAR	2016-060-1	VARIOUS	46	27				
Default		PLOT SCALE = 100.0000' / 1in.	REVISED -		SCALE: 1"=50'				SHEET OF SHEETS STA. TO STA.				
		PLOT DATE = 4/6/2017	REVISED -		CONTRACT NO. 62D53				ILLINOIS FED. AID PROJECT				

LOCATION 45
GR ID# 5433



FILE NAME =	USER NAME = Bilgramisa	DESIGNED - RWB/SB	REVISED -
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 4/6/2017	DATE - 4/5/17	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GUARDRAIL REPLACEMENT (NORTH SECTION)
ROADWAY PLANS**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2016-060-1	VARIOUS	46	28
			CONTRACT NO. 62D53	
ILLINOIS FED. AID PROJECT				

LOCATION 46
GR ID# 5723

ORCHARD RD.



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

U.S. ROUTE 30

HMA SHLDR

HMA SHLDR

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

- PROP. STEEL PLATE BEAM GUARDRAIL - 12.5 FT

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

- PROP. AGGREGATE SHOULDER, TYPE B

LOCATION 47
GR ID# 5724

LOCATION 48
GR ID# 5725



LOCATION 50
GR ID# 8246

- PROP. HMA SHOULDER, 8"

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

- PROP. GUARDRAIL REMOVAL - 31 FT

U.S. ROUTE 30

- PROP. HMA SHOULDER, 8"
- PROP. TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT

- PROP. GUARDRAIL REMOVAL - 19 FT

LOCATION 51
GR ID# 8268

IL. ROUTE 47

BASELINE RD.



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

- PROP. GUARDRAIL REMOVAL - 50 FT

- PROP. AGGREGATE SHOULDER, TYPE B

LOCATION 49
GR ID# 8222

KANE COUNTY LOCATIONS

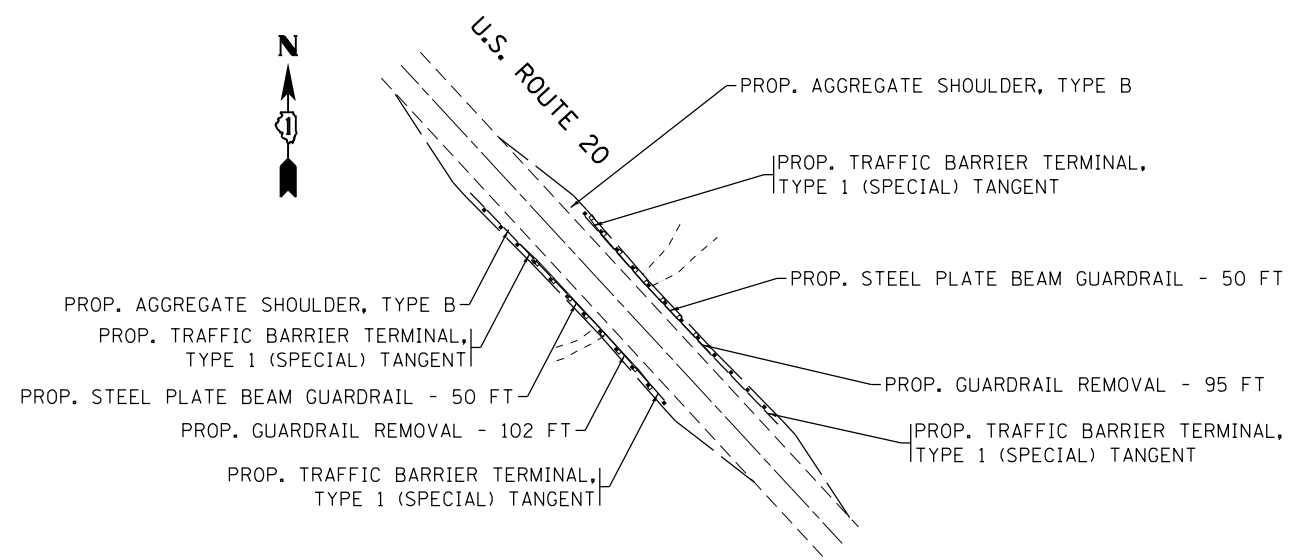
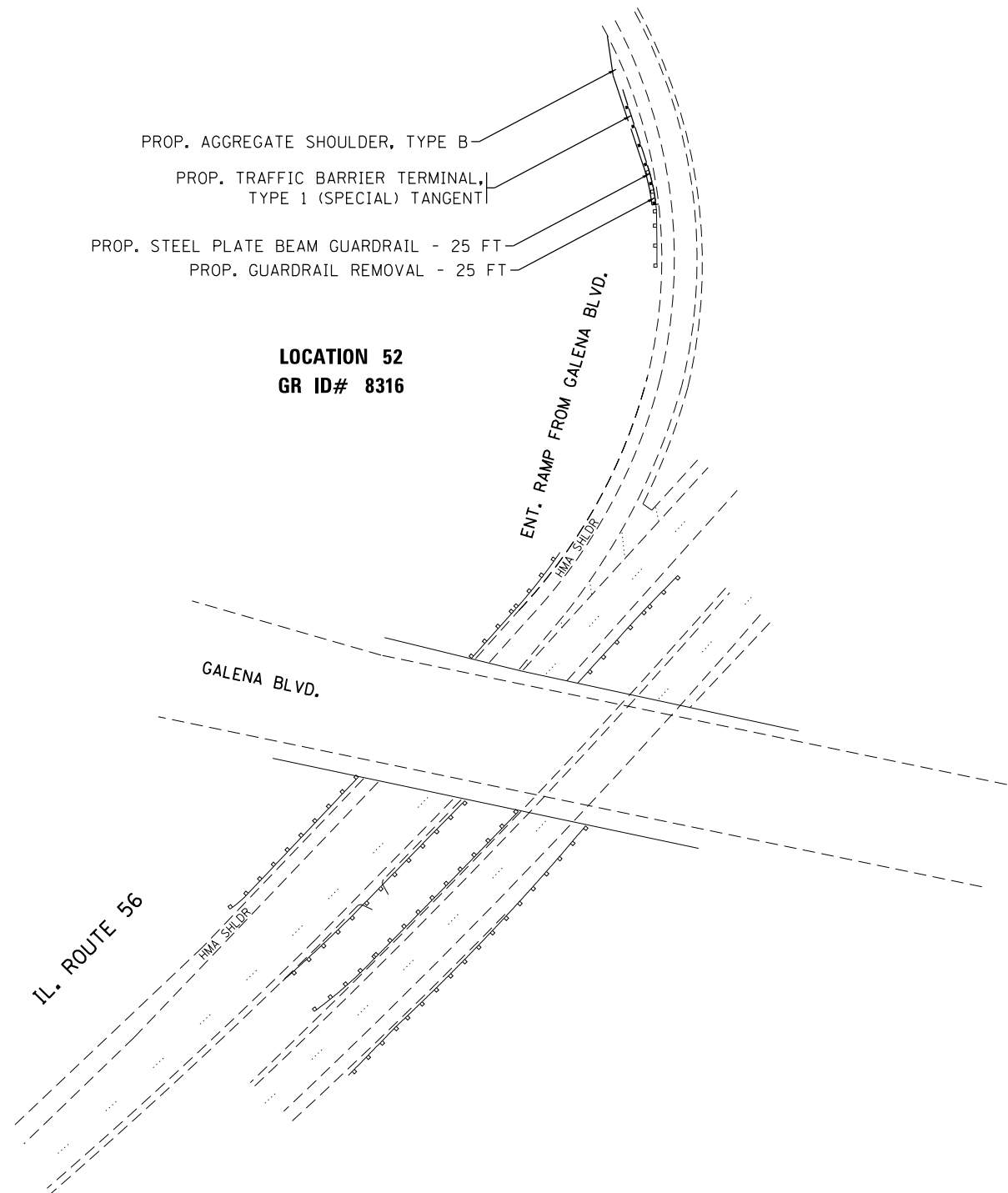
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	PLOT DATE = 4/6/2017		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GUARDRAIL REPLACEMENT (NORTH SECTION)
ROADWAY PLANS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2016-060-I	VARIOUS	46	29
CONTRACT NO. 62D53				
ILLINOIS FED. AID PROJECT				



LOCATION 53
GR ID# 8406
GR ID# 8407

LOCATION 54
GR ID# 8458
GR ID# 8459

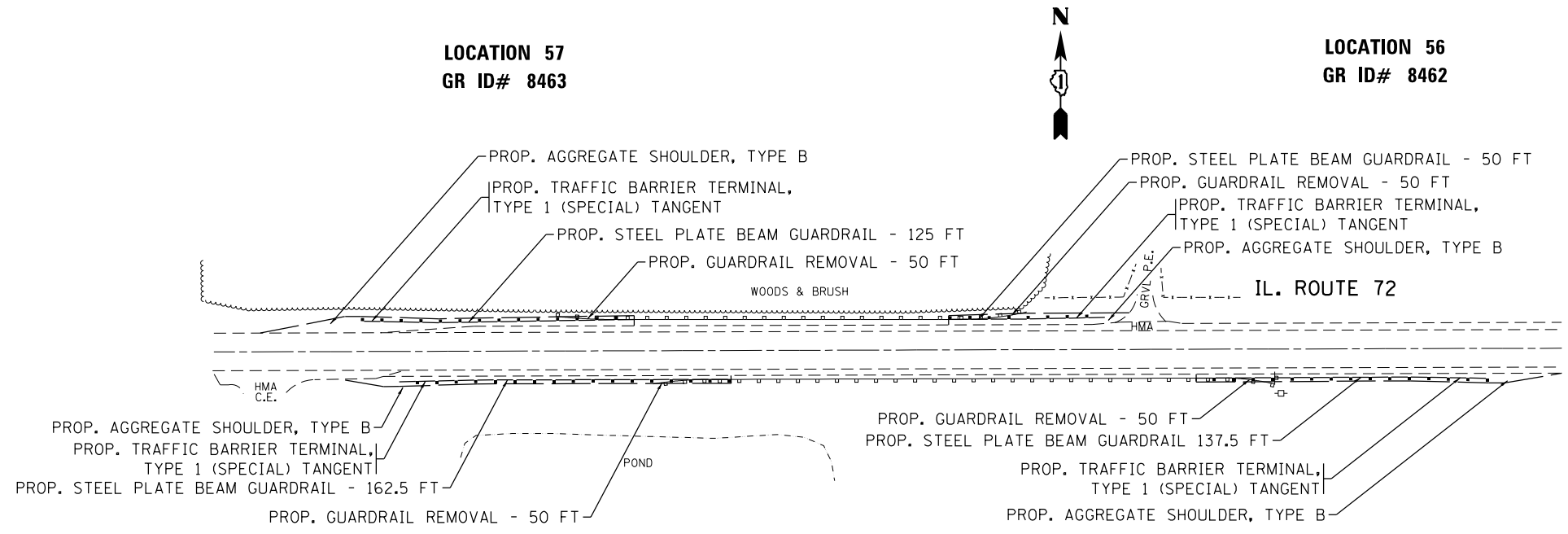
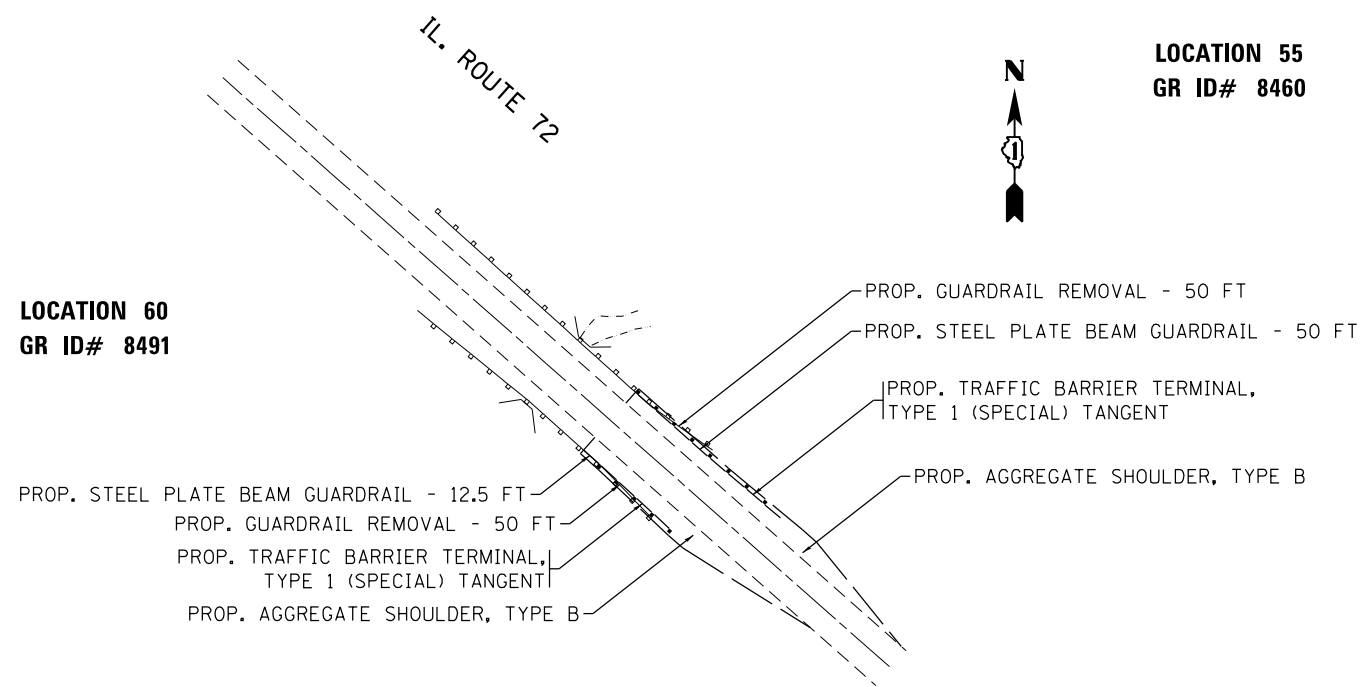
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Default	PLOT SCALE = 100.0000' / in.	DATE - 4/5/17	REVISED -
	PLOT DATE = 4/6/2017		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GUARDRAIL REPLACEMENT (NORTH SECTION)
ROADWAY PLANS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2016-060-I	VARIOUS	46	30
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62D53	



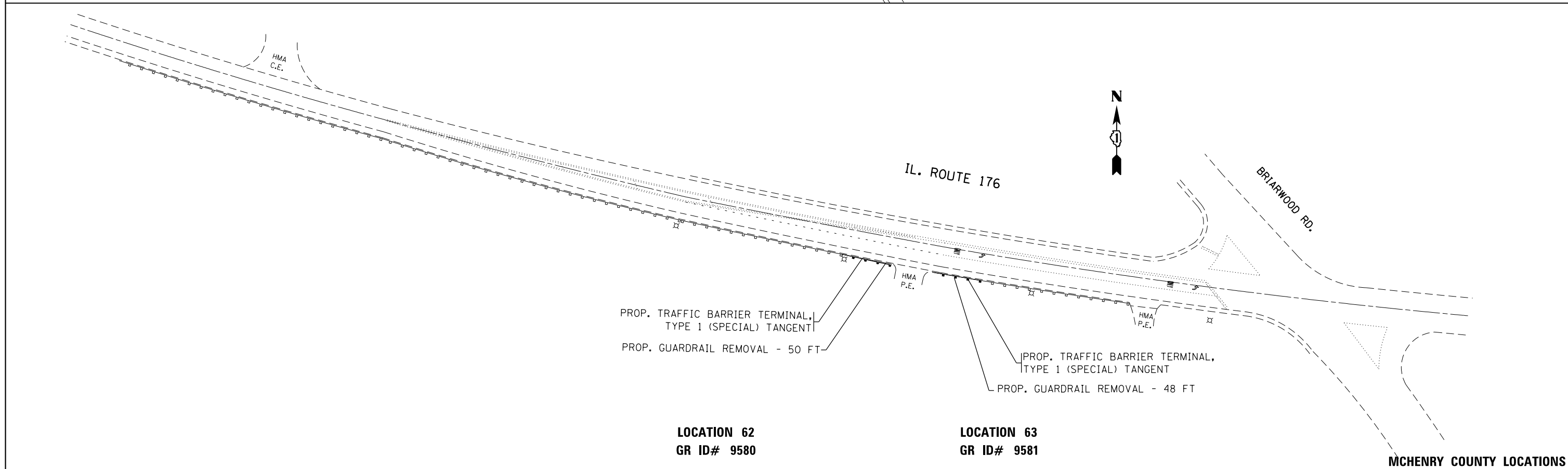
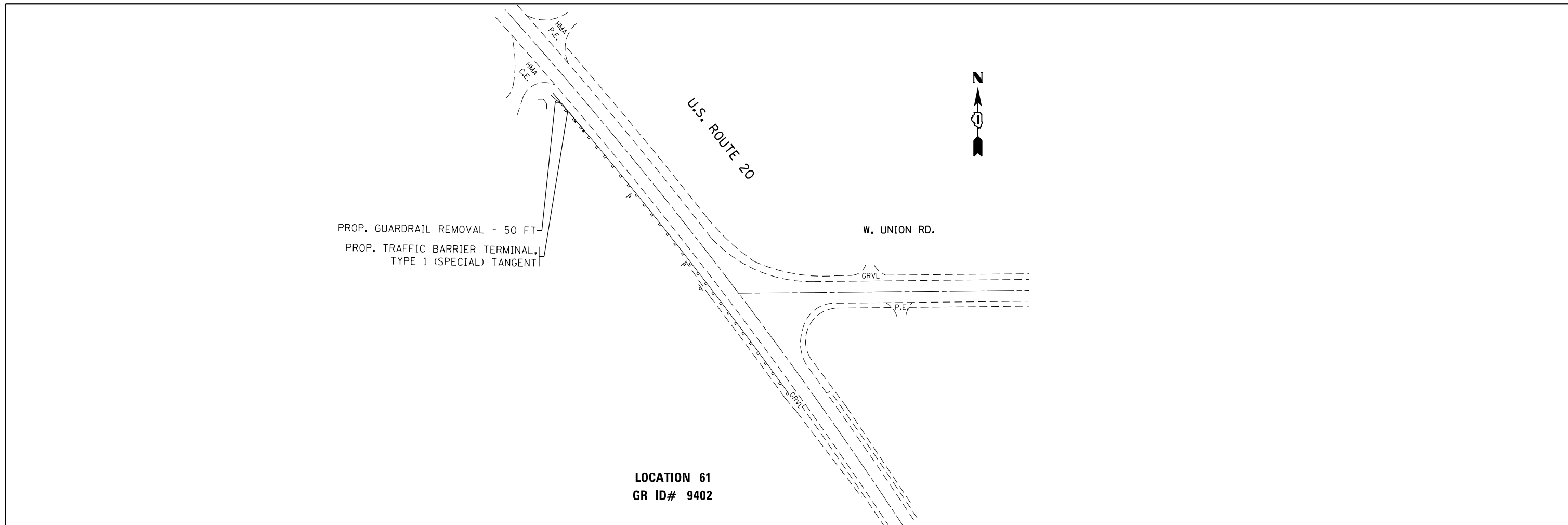
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 4/6/2017	DATE - 4/5/17	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GUARDRAIL REPLACEMENT (NORTH SECTION)
ROADWAY PLANS**

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

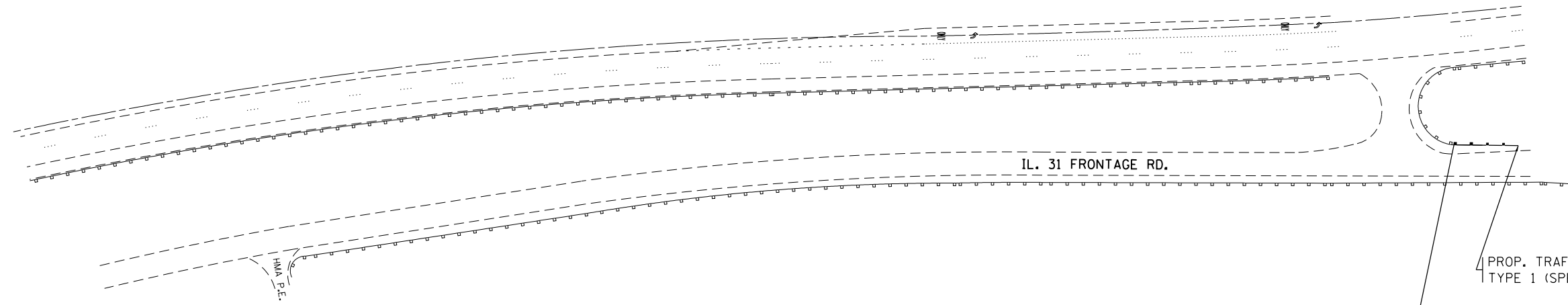
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VAR	2016-060-1	VARIOUS	46	31
			CONTRACT NO. 62D53	
ILLINOIS FED. AID PROJECT				



FILE NAME =	USER NAME = Bilgramisa	DESIGNED - RWB/SB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GUARDRAIL REPLACEMENT (NORTH SECTION) ROADWAY PLANS				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
pw:\IL\084EBIDINTEG.illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\DI084EBIDINTEG\Drawings\Design\BWB\SB\ht-plan2.dgn		CHECKED -	REVISED -		SCALE: 1"=50'	SHEET	OF	SHEETS	STA.	TO	STA.	VAR	2016-060-1	VARIOUS	46	32
Default		PLOT SCALE = 100.0000' / in.	REVISED -													
		PLOT DATE = 4/6/2017	REVISED -													
												CONTRACT NO. 62D53		ILLINOIS FED. AID PROJECT		



N.B. IL. ROUTE 31



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

PROP. GUARDRAIL REMOVAL - 22 FT

LOCATION 64
GR ID# 9645

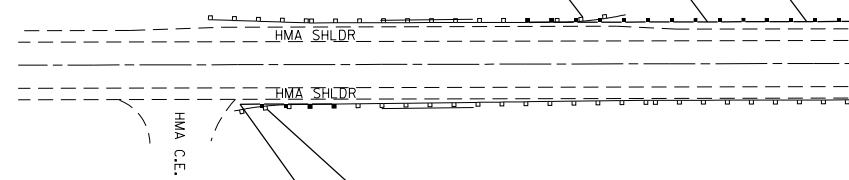


PROP. TRAFFIC BARRIER TERMINAL,
TYPE 1 (SPECIAL) TANGENT

PROP. STEEL PLATE BEAM GUARDRAIL - 125 FT
PROP. GUARDRAIL REMOVAL - 52 FT

IL. ROUTE 31

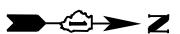
LOCATION 70
GR ID# 9692



PROP. GUARDRAIL REMOVAL - 53 FT

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

LOCATION 65
GR ID# 9658

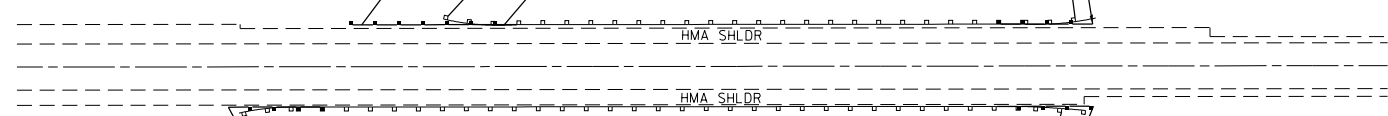


PROP. TRAFFIC BARRIER TERMINAL,
TYPE 1 (SPECIAL) TANGENT

PROP. GUARDRAIL REMOVAL - 52 FT

IL. ROUTE 31

LOCATION 69
GR ID# 9691



PROP. GUARDRAIL REMOVAL - 45 FT

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

LOCATION 66
GR ID# 9660

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

PROP. GUARDRAIL REMOVAL - 38 FT

PROP. STEEL PLATE BEAM GUARDRAIL 37.5 FT

LOCATION 68
GR ID# 9690

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

PROP. GUARDRAIL REMOVAL - 46 FT

LOCATION 67
GR ID# 9661

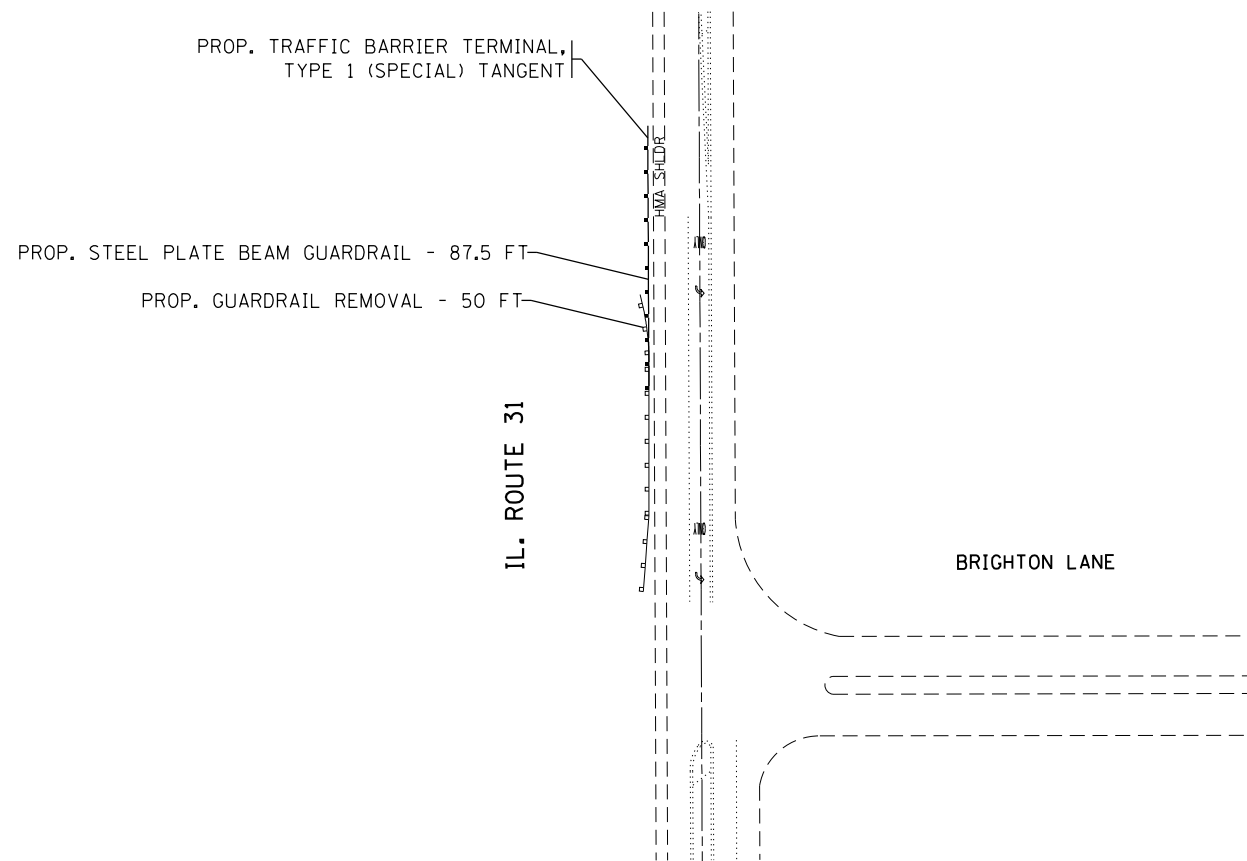
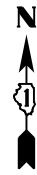
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Default	PLOT SCALE = 100.0000' / in.	DATE - 4/5/17	REVISED -
	PLOT DATE = 4/6/2017		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

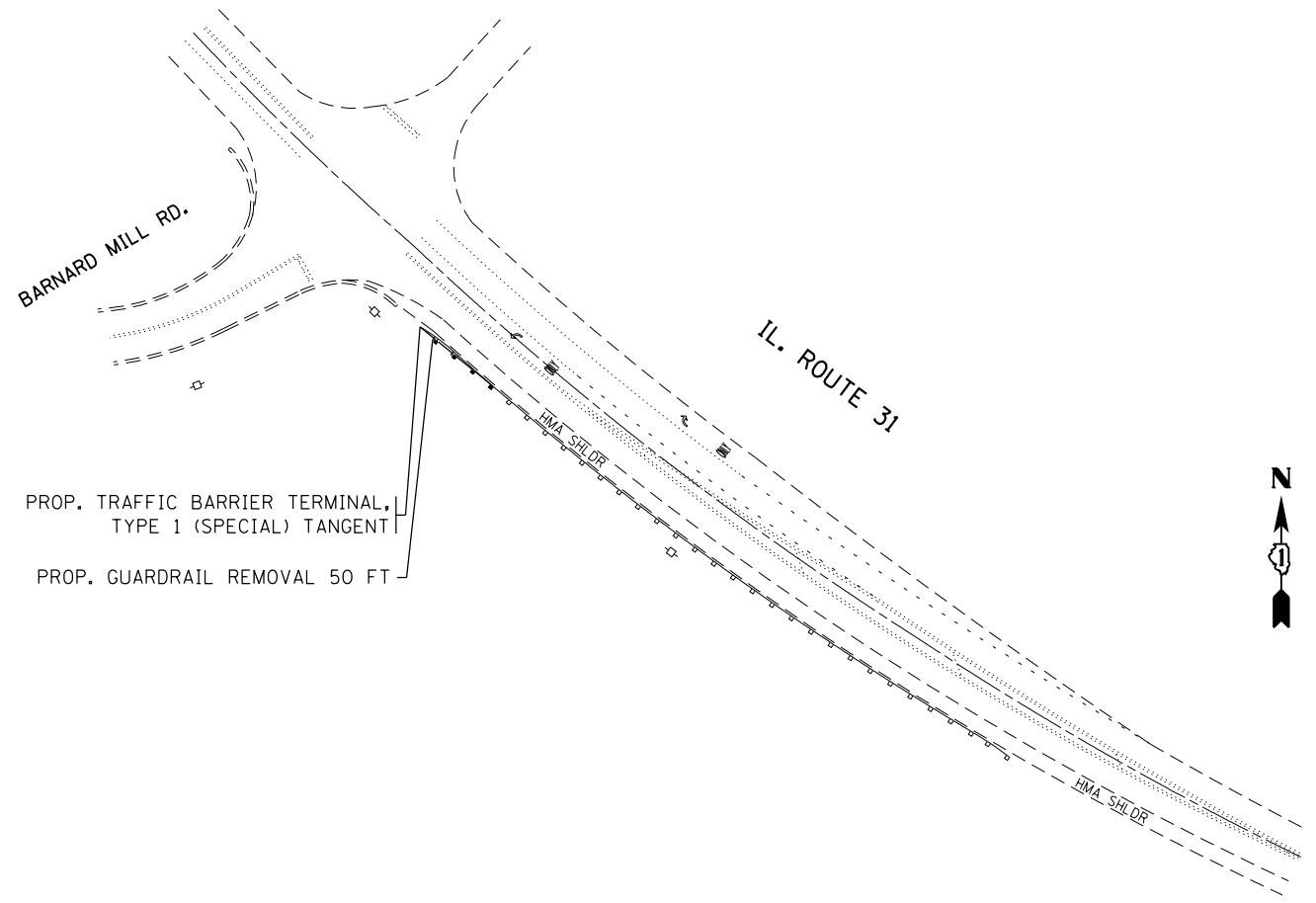
GUARDRAIL REPLACEMENT (NORTH SECTION)
ROADWAY PLANS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2016-060-1	VARIOUS	46	33
CONTRACT NO. 62D53				
ILLINOIS FED. AID PROJECT				



LOCATION 71
GR ID# 9696



LOCATION 72
GR ID# 9754

FILE NAME =	USER NAME = Bilgromiso	DESIGNED - RWB/SB	REVISED -
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 4/6/2017	DATE - 4/5/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GUARDRAIL REPLACEMENT (NORTH SECTION)
ROADWAY PLANS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2016-060-I	VARIOUS	46	34
			CONTRACT NO. 62D53	
ILLINOIS FED. AID PROJECT				

LOCATION 73
GR ID# 9756

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

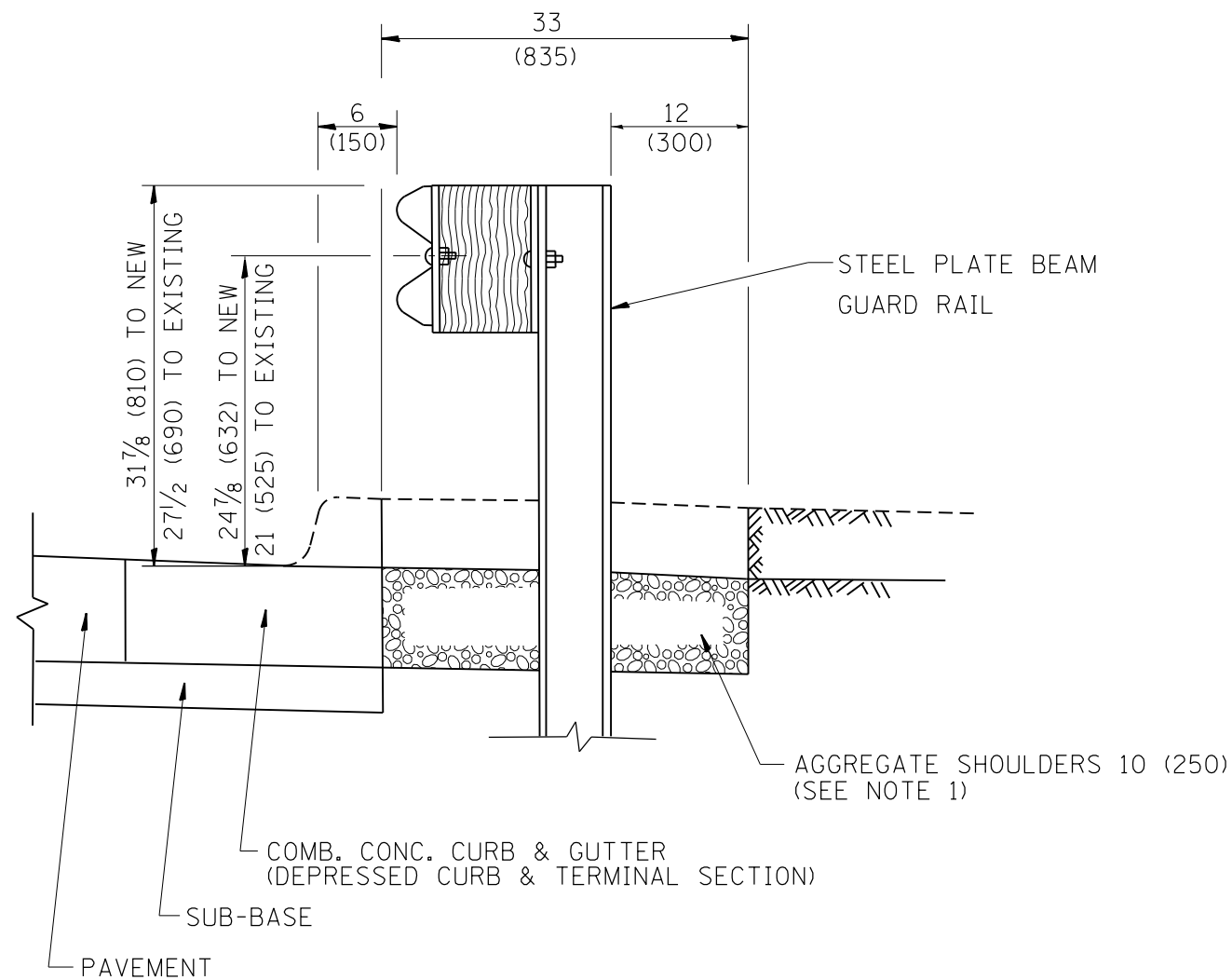
IL. ROUTE 31



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

LOCATION 74
GR ID# 9757

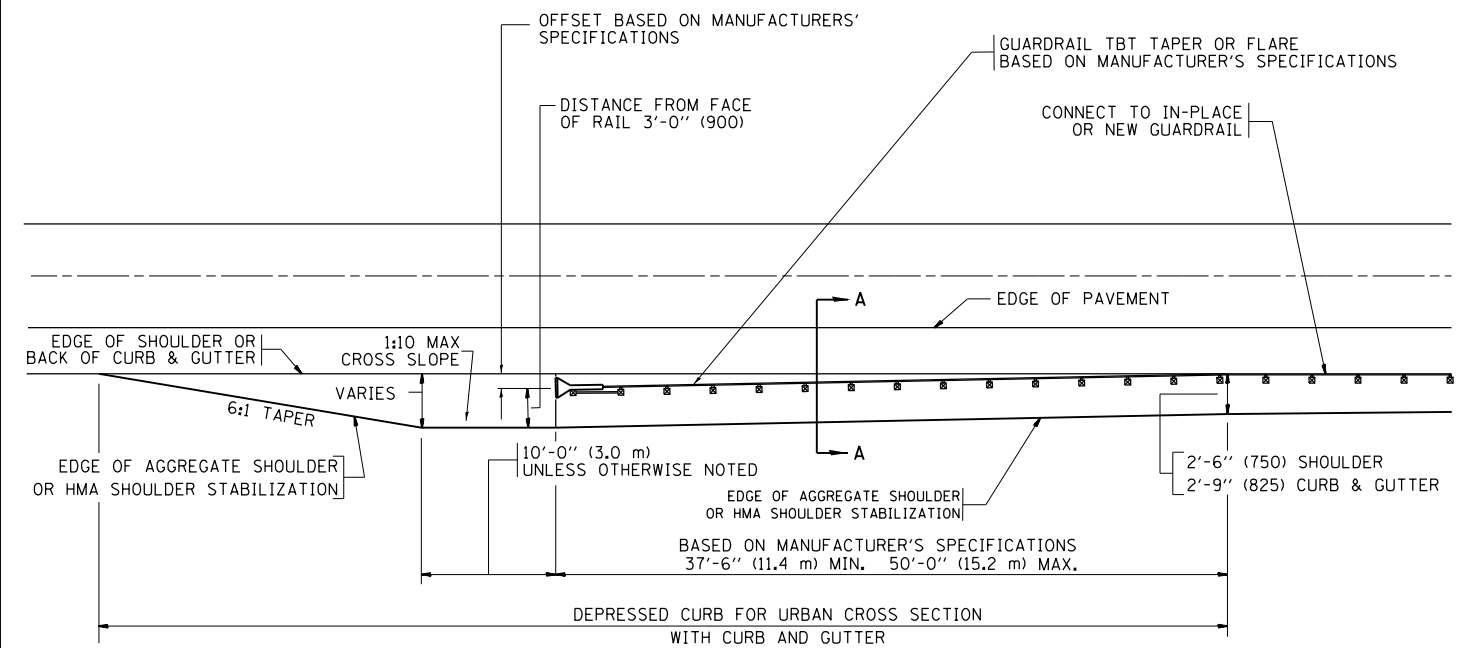
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	PLOT DATE = 4/6/2017	DATE - 4/5/17	REVISED -		ILLINOIS FED. AID PROJECT							



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.

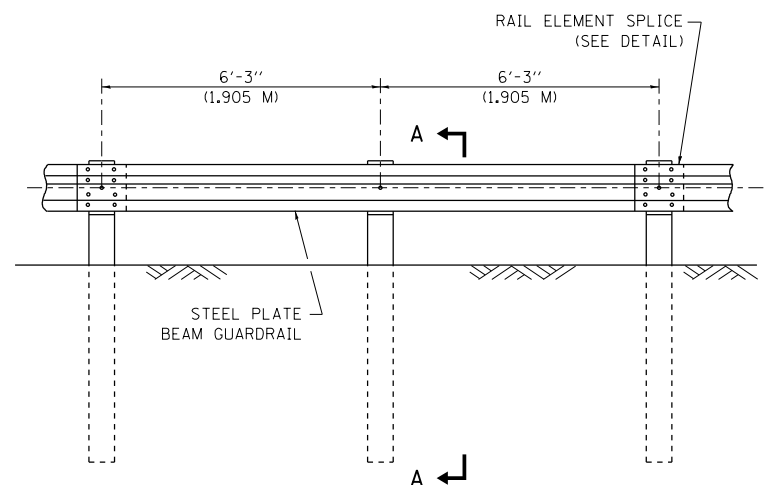
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pw:\IL\084EBIDINTEG.illinois.gov\PWIDOT\Documents\DOT Offices\District 1\Projects\DI084EBIDINTEG\Design\Diststd.dgn			REVISED - R. BORO 01-01-07
	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - R. BORO 12-08-2008
	PLOT DATE = 4/6/2017	DATE - 09-22-90	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.

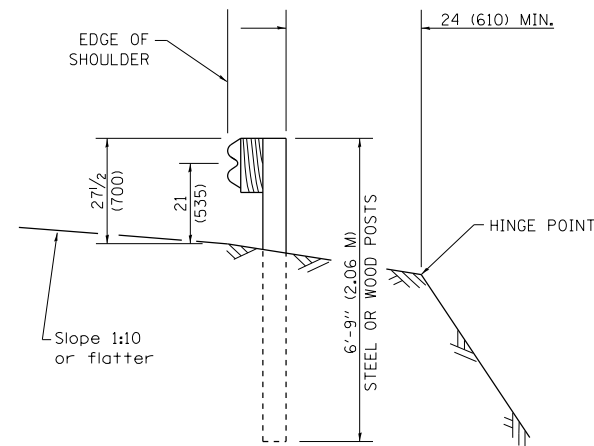
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2016-060-1	VARIOUS	46	36
BD600-10 (BD 34)		CONTRACT NO. 62D53		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



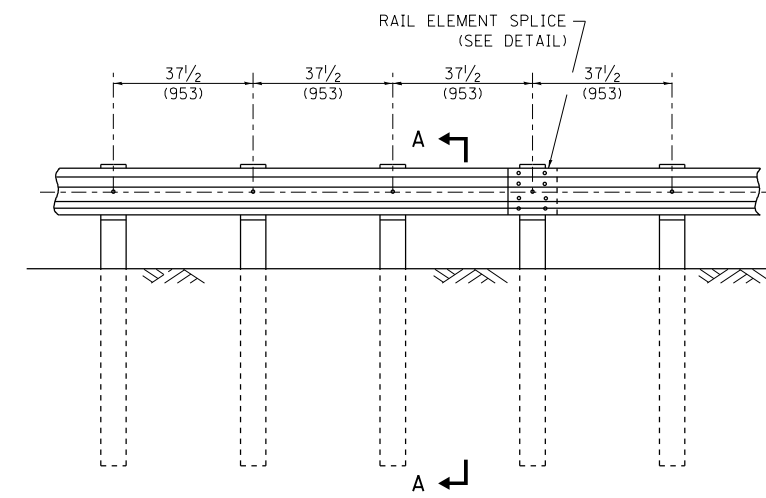
ELEVATION

TYPE A

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



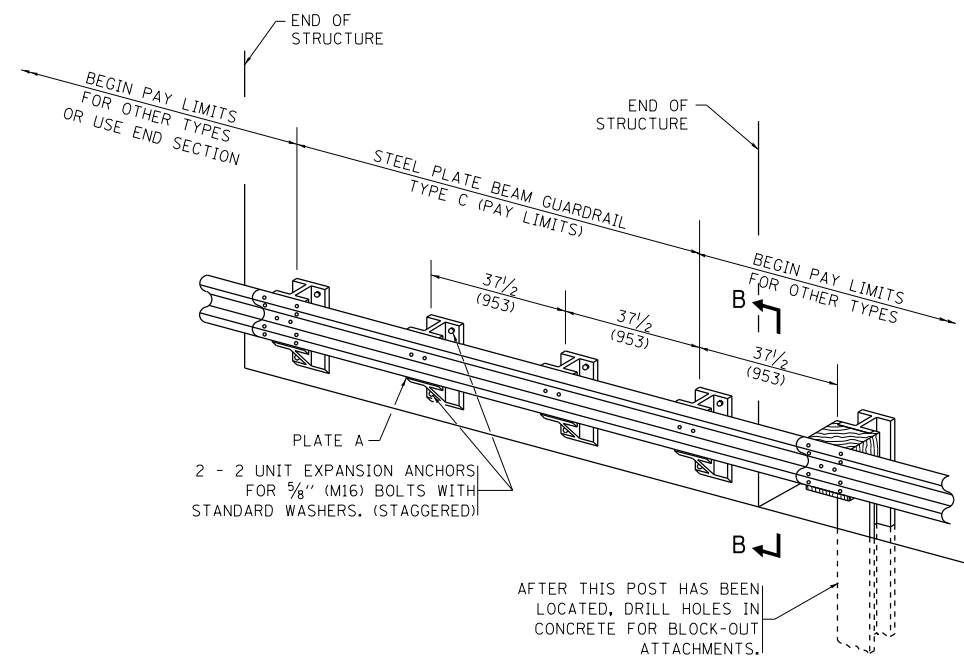
SECTION A-A



ELEVATION

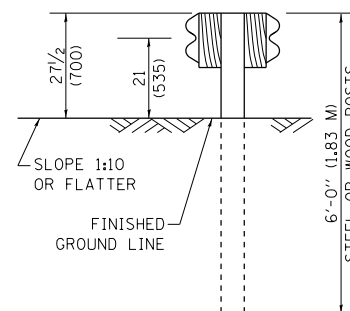
TYPE A

37 1/2 (953) CLOSED POST SPACING

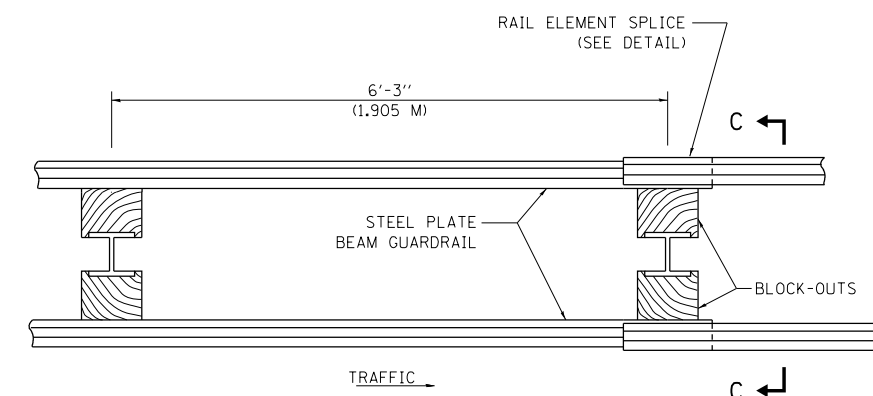


TYPE C

37 1/2 (953) BLOCK-OUT SPACING



SECTION C-C

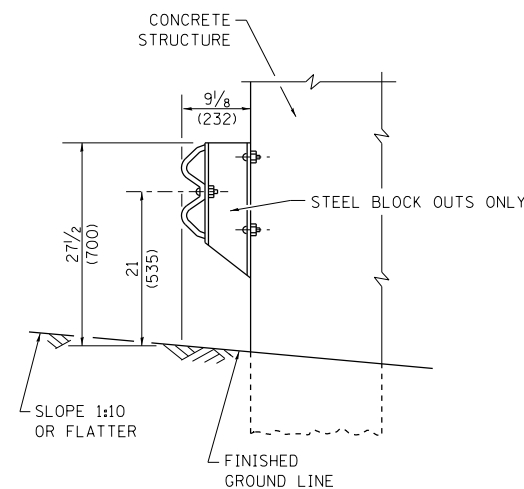


TRAFFIC

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.

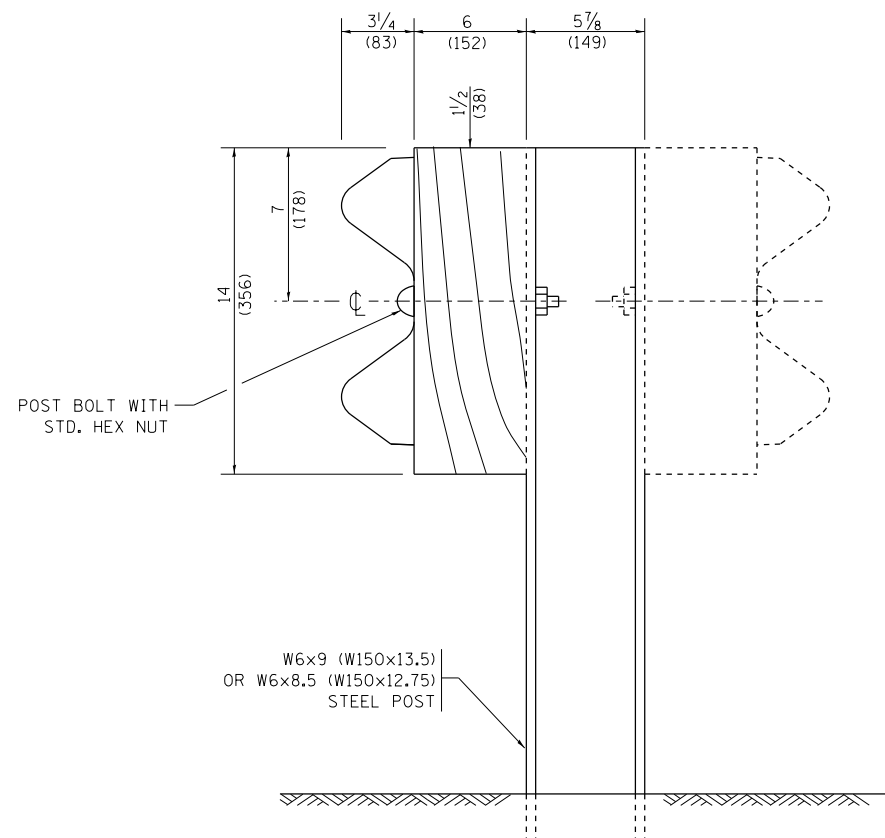
THIS DETAIL IS APPLICABLE TO THE GUARDRAIL SYSTEM USED PRIOR TO JANUARY 1, 2007. FOR DETAILS ON THE MIDWEST GUARDRAIL SYSTEM, SEE STANDARD 630001.

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		DATE -	REVISED -

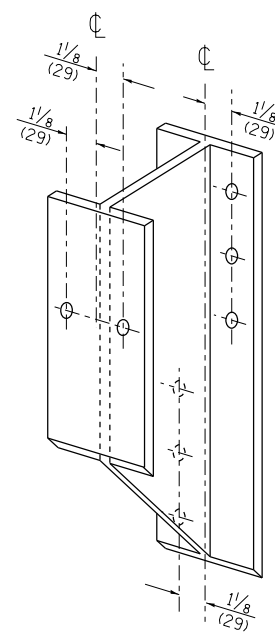
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

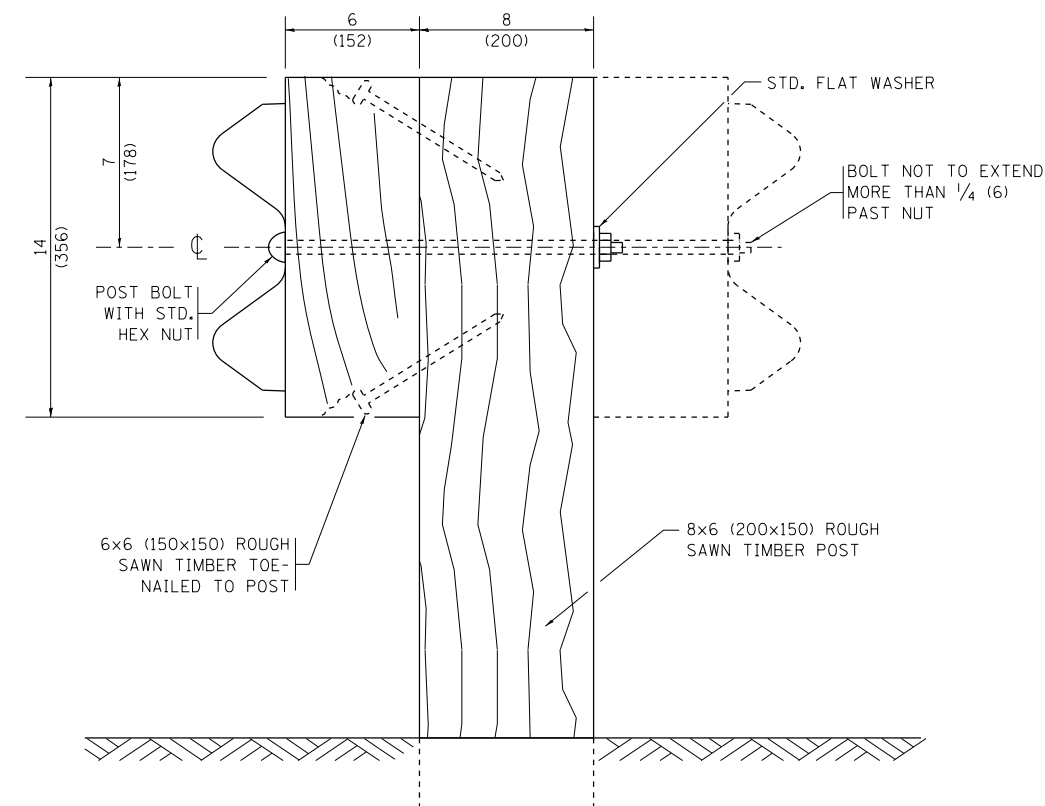
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2016-060-1	VARIOUS	46	37
BM-21			CONTRACT NO. 62D53	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



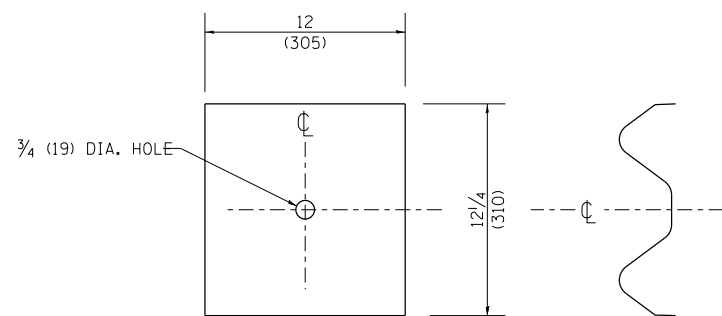
STEEL POST CONSTRUCTION



STEEL BLOCK-OUT DETAIL



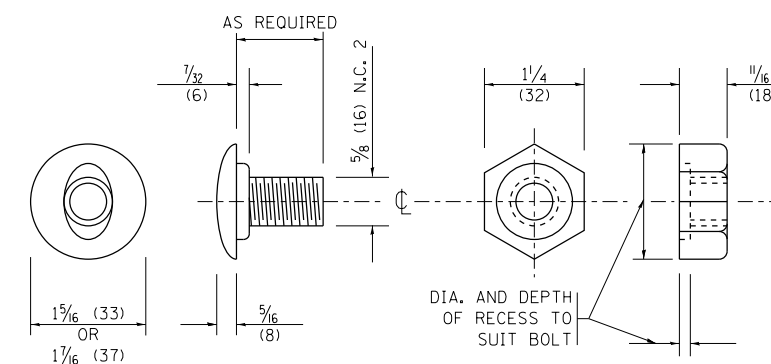
WOOD POST CONSTRUCTION



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



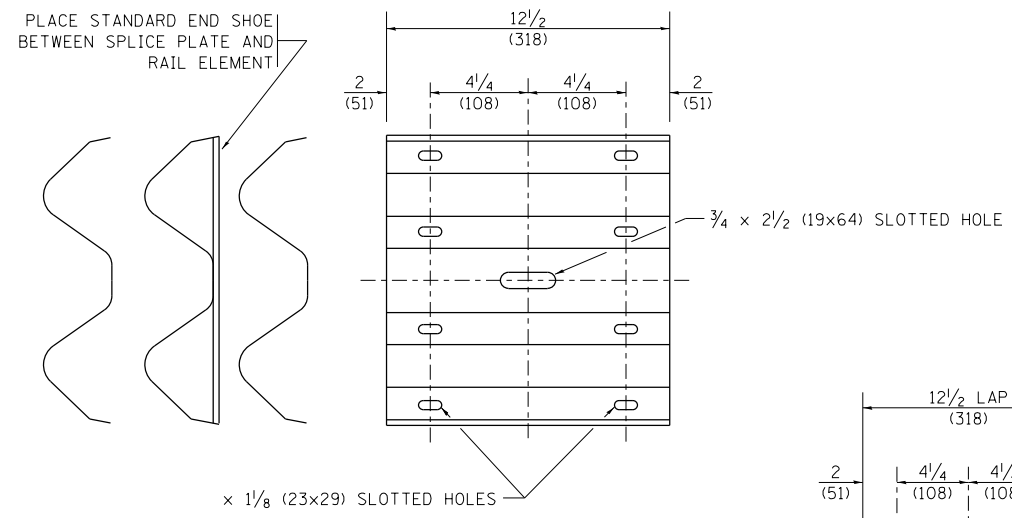
POST OR SPLICE BOLT & NUT

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

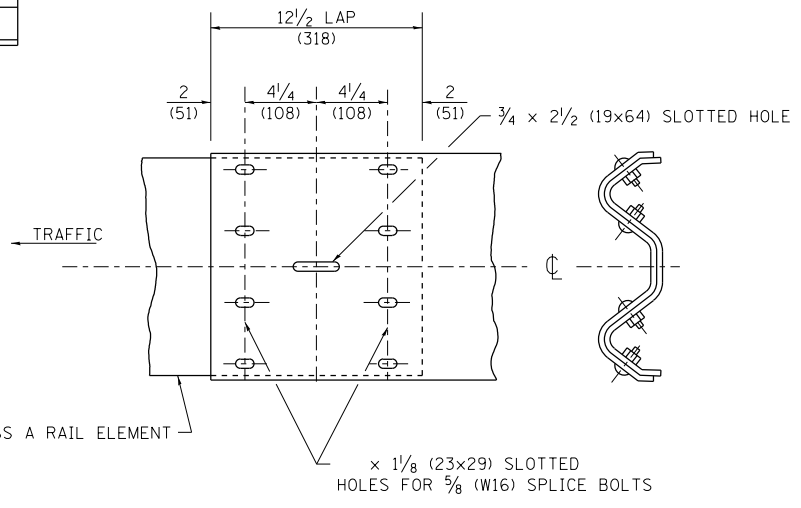
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

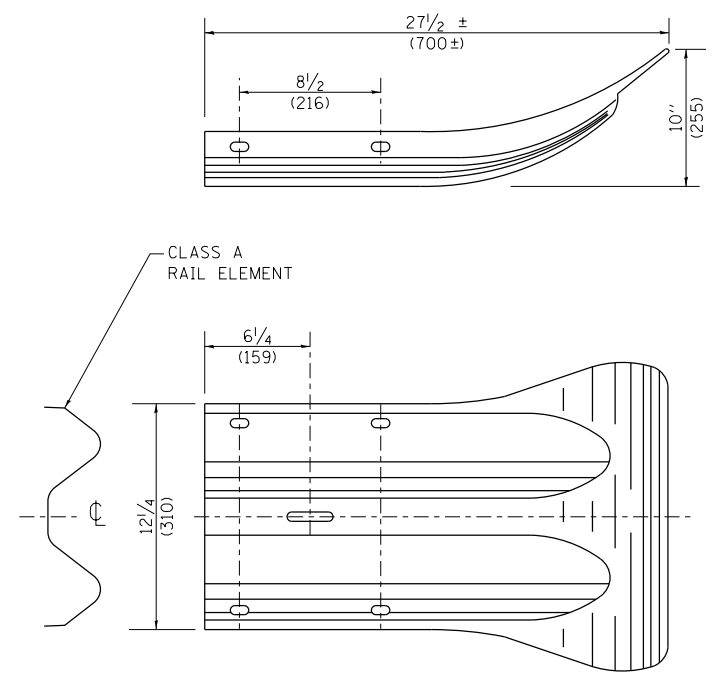
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2016-060-1	VARIOUS	46	38
BM-21		CONTRACT NO. 62D53		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



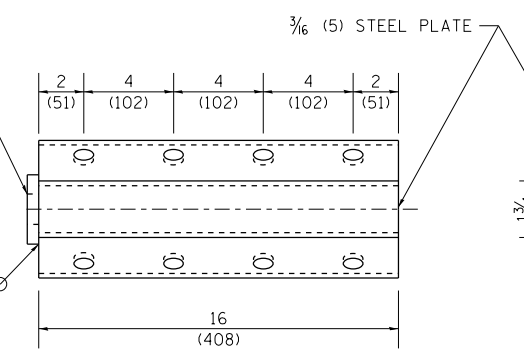
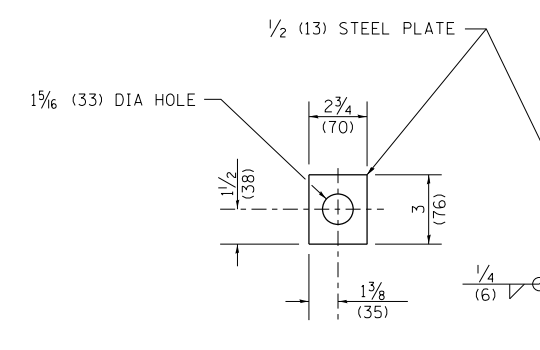
SPLICE PLATE



RAIL ELEMENT SPLICE



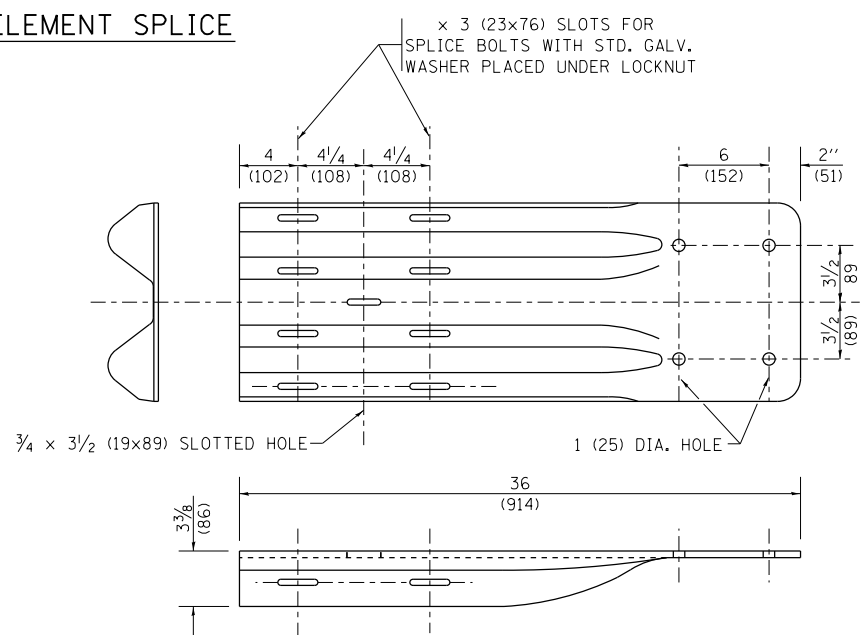
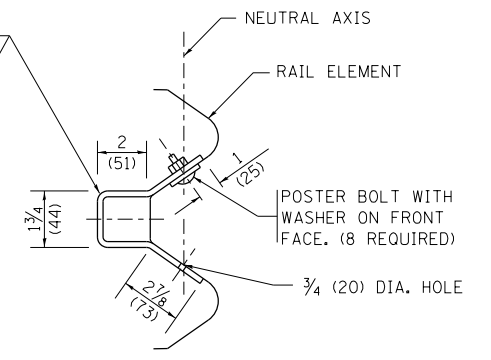
END SECTION



NOTE:

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

ANCHORE PLATE T DETAILS



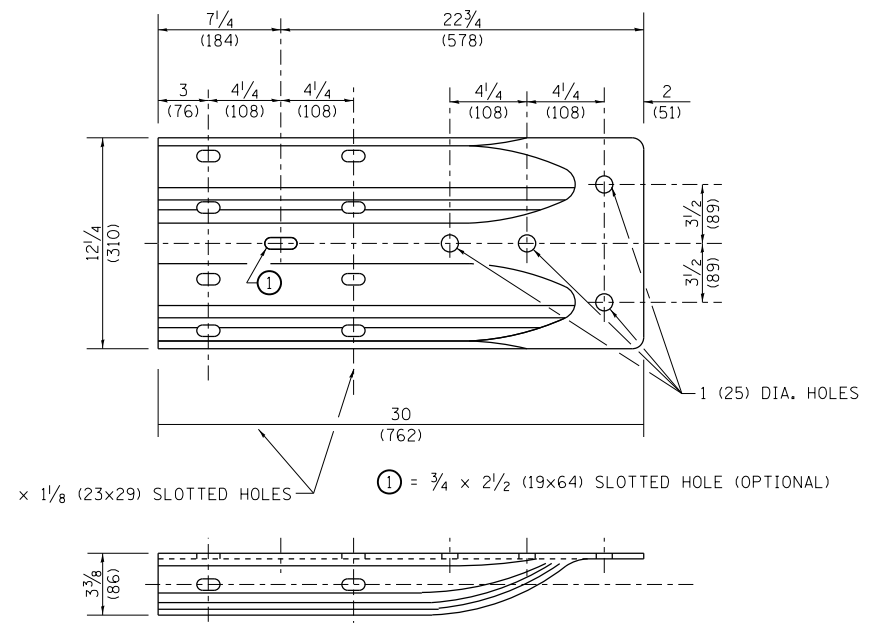
END SHOE

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

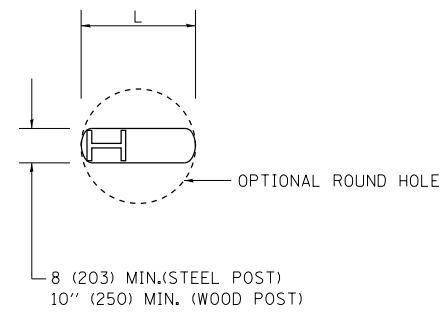
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		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

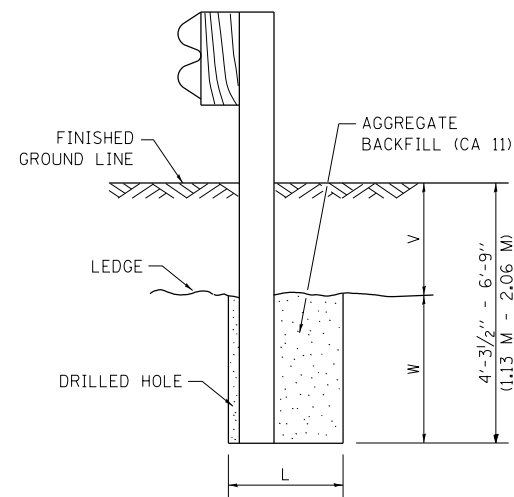
**REMOVE AND REERECT
STEEL PLATE BEAM GUARDRAIL**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2016-060-1	VARIOUS	46	39
	BM-21			CONTRACT NO. 62D53
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



PLAN

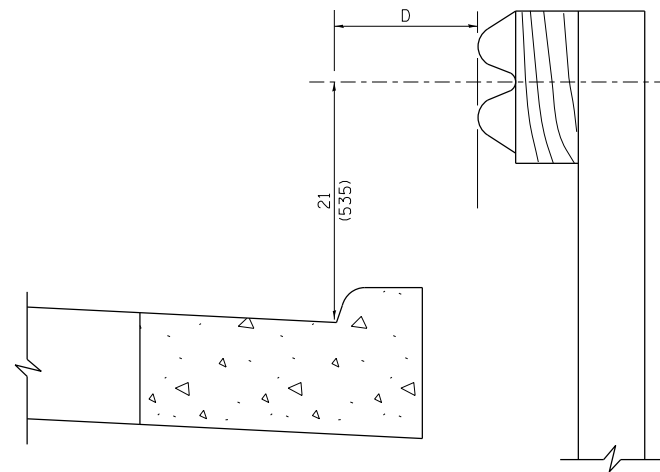


NOTE:

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

ELEVATION

FOOTING FOR POST WHEN IMPERVIOUS MATERIAL IS ENCOUNTERED



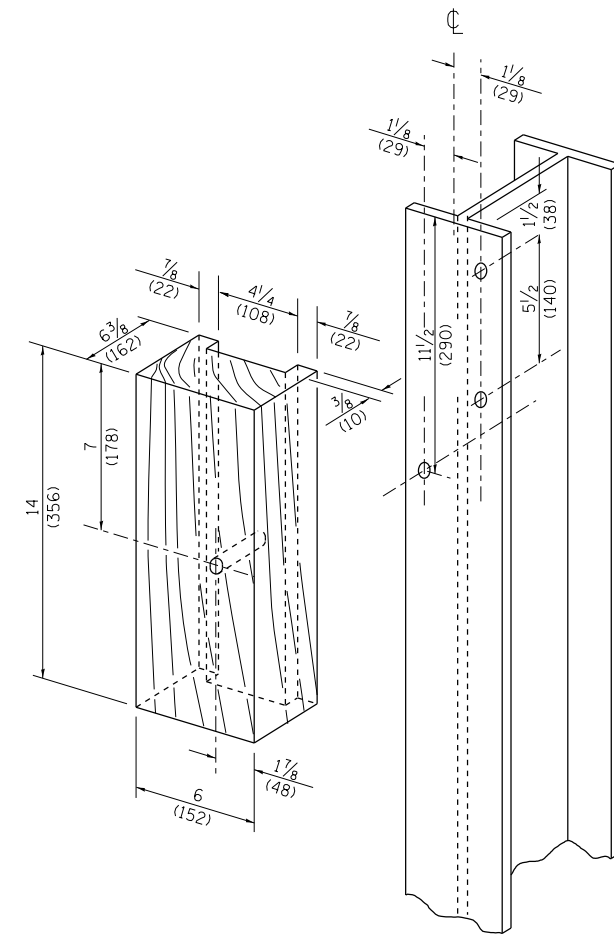
NOTE:

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.

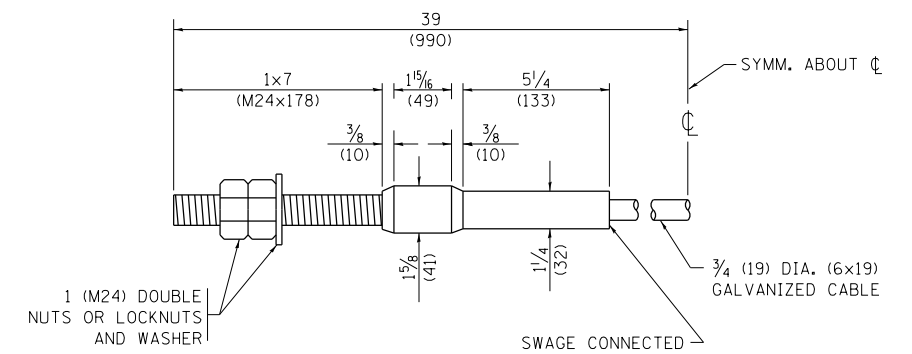
GUARDRAIL PLACED BEHIND CURB

(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

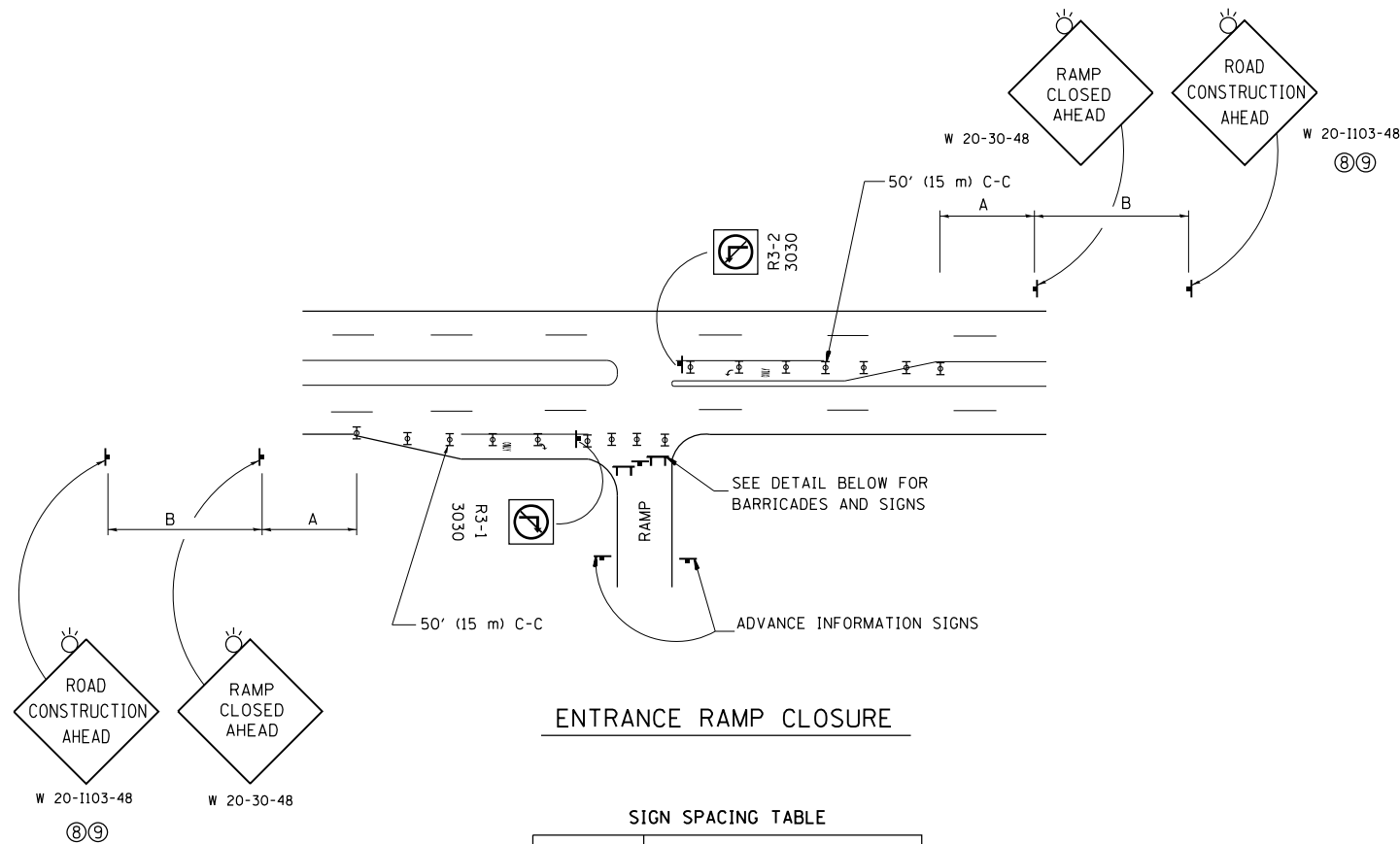
(40,000 LBS (18,100 KG) MIN. BREAKING STRENGTH)
TIGHTEN TO TAUT TENSION

FILE NAME =	USER NAME = Bilgromiso	DESIGNED -	REVISED - 10-31-06
p:\11\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\DI0511\Drawings\Design\Diststd.dgn		CHECKED -	REVISED -
		DATE -	REVISED -
PLOT SCALE = 100.0000' / in.			
PLOT DATE = 4/6/2017			

**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.P. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2016-060-1	VARIOUS	46	40
BM-21		CONTRACT NO. 62D53		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

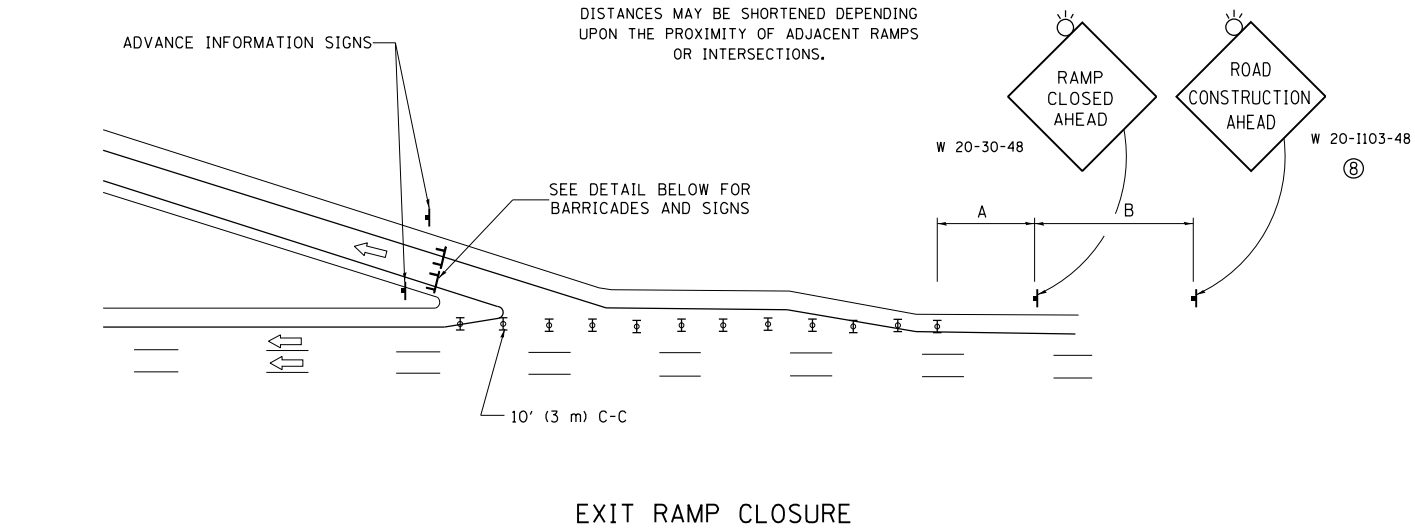


ENTRANCE RAMP CLOSURE

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)

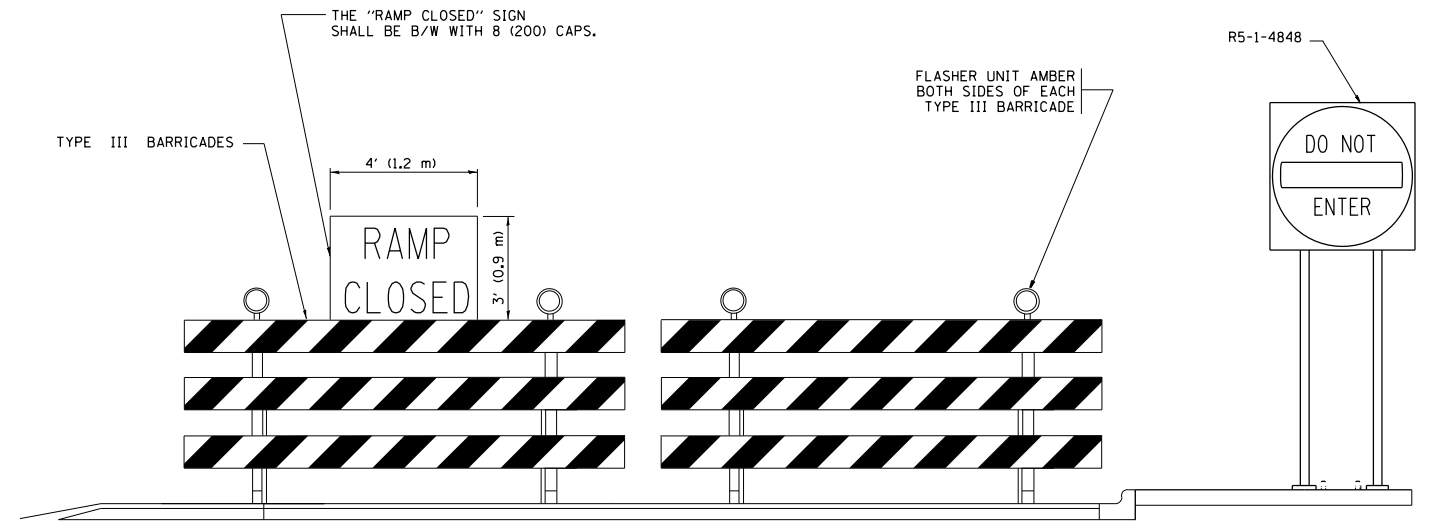
DISTANCES MAY BE SHORTENED DEPENDING UPON THE PROXIMITY OF ADJACENT RAMPS OR INTERSECTIONS.



EXIT RAMP CLOSURE

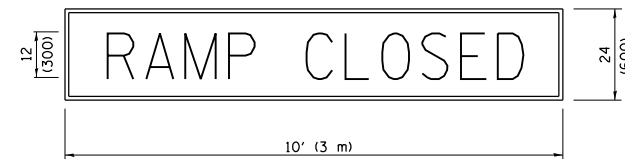
SYMBOLS

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



DETAIL FOR REQUIRED BARRICADES & SIGNS

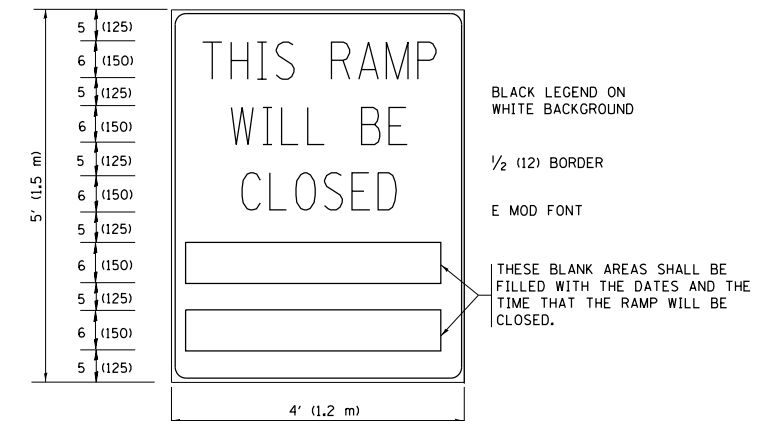
RAMP CLOSURE ADVANCE WARNING SIGN



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 = Bilgiris	DESIGNED - DWS	REVISED - JAF 02-06
pw\1\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\1084EBIDINTEG\Design\Diststd.dgn		CHECKED -	REVISED - SPB 01-07
		DATE - 02-83	REVISED - SPB 12-09
			REVISED - MD 06-13

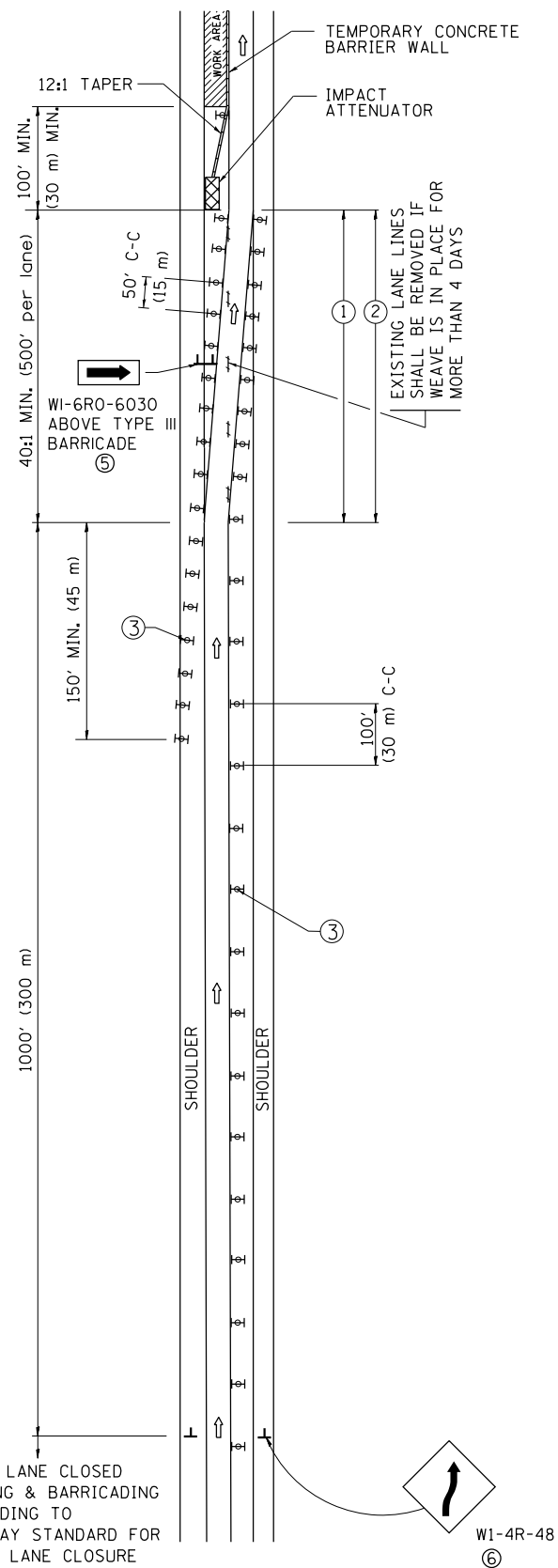
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ENTRANCE AND EXIT RAMP
CLOSURE DETAILS**

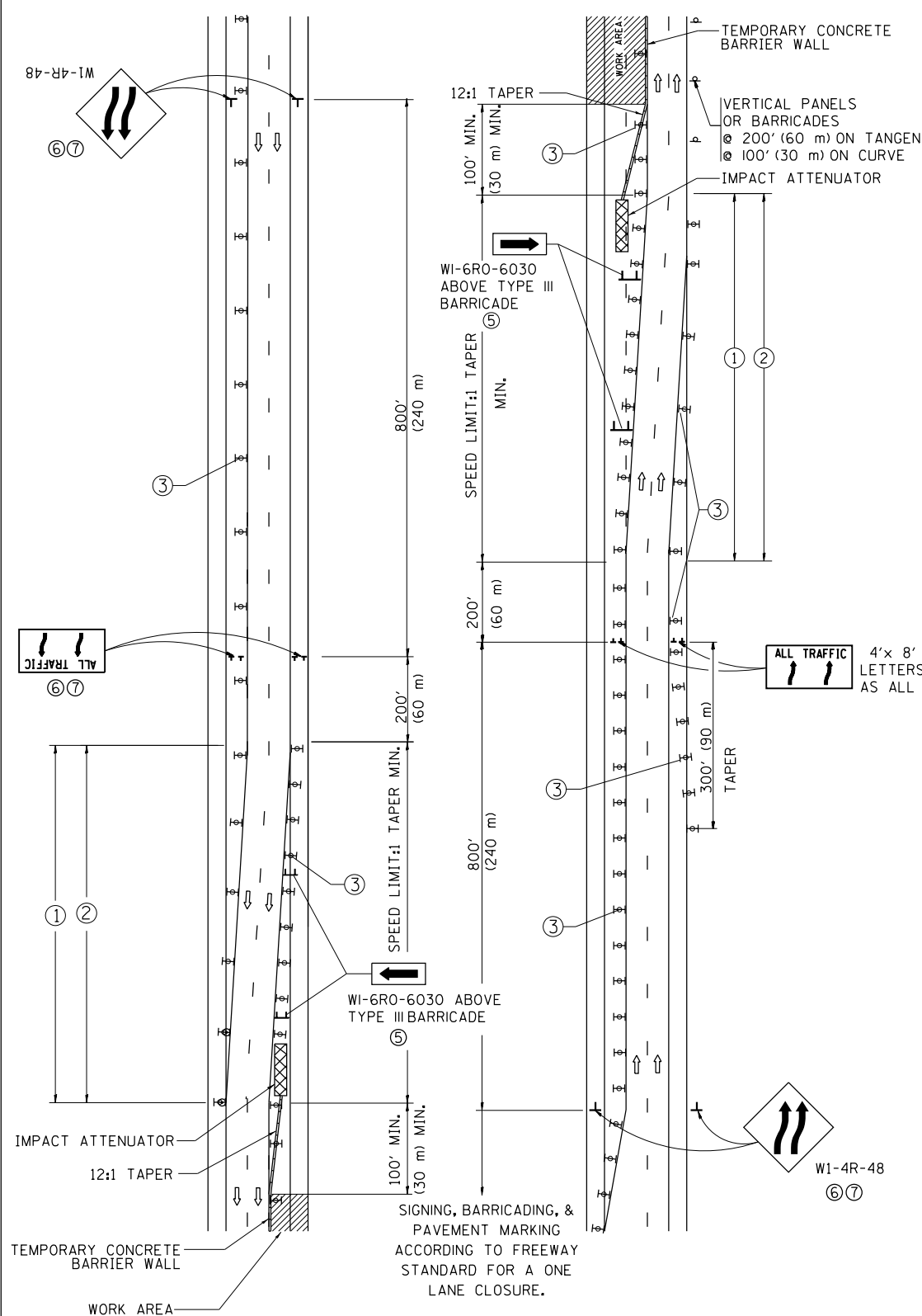
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2016-060-1	VARIOUS	46	41
TC-08		CONTRACT NO. 62D53		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SINGLE LANE WEAVE



MULTI-LANE WEAVE

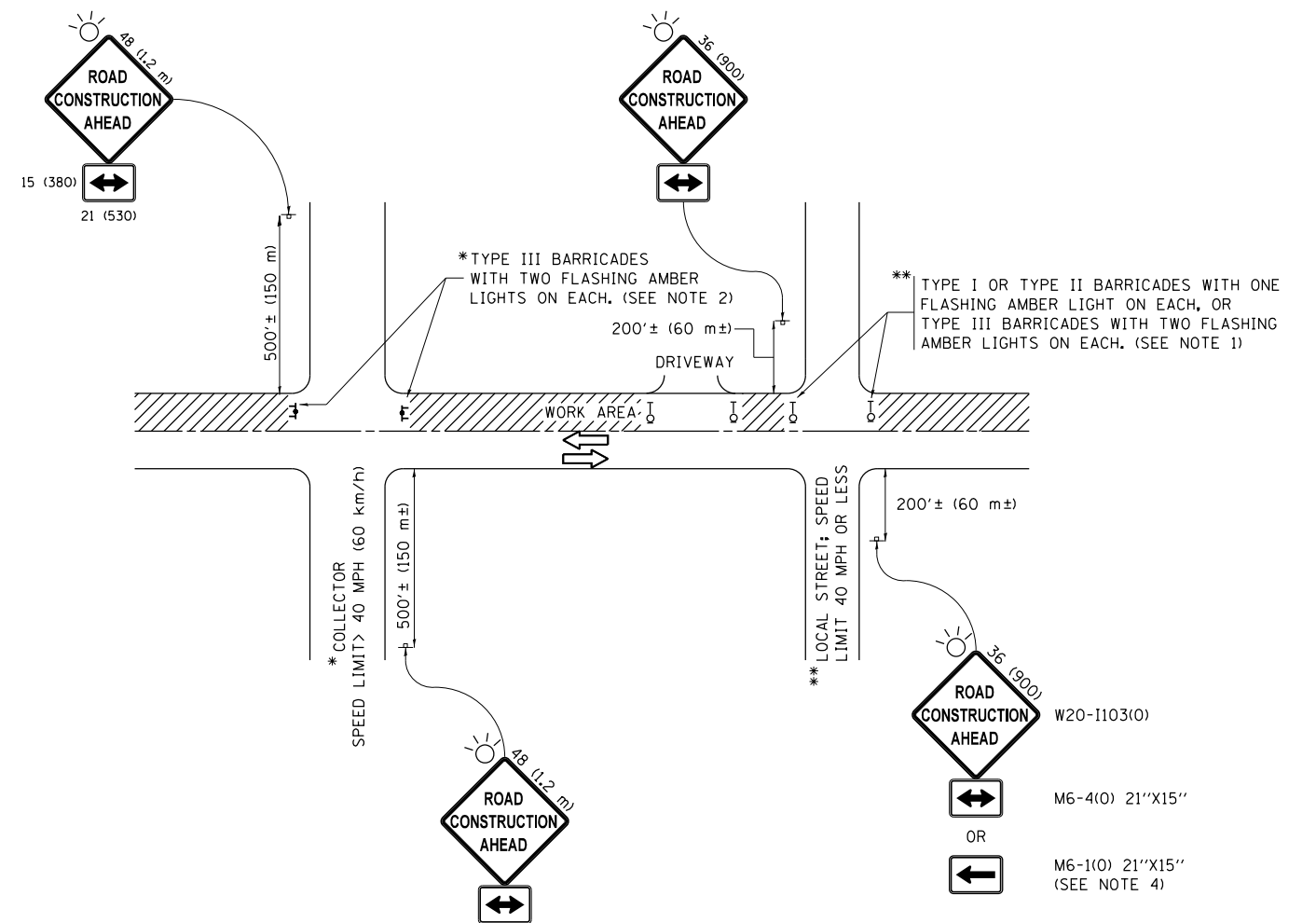


- ### GENERAL NOTES
- EXISTING CONFLICTING PAVEMENT MARKING LINES SHALL BE REMOVED. PAVEMENT MARKING REMOVAL SHALL NOT BE REQUIRED FOR SINGLE LANE WEAVES UNDER 4 DAYS IN DURATION.
 - CONTINUOUS REFLECTIVE TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE TAPER AND FOR 300' (90 m) ALONG SIDE 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.
 - PLASTIC DRUMS WITH STEADY BURN LIGHTS AT 50' (15 m) C-C SPACING IN TAPERS AND 100' (30 m) C-C SPACING IN TANGENTS.
 - ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
 - 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.
 - 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.
 - 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 = Bilgomsa	DESIGNED - DWS	REVISED - JAF 02-06	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL DETAILS FOR FREEWAY SINGLE & MULTI-LANE WEAVE			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBID\INTEG\illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\DI084EBID\Drawings\Design\Diststd.dgn	PLLOT SCALE = 100.0000' / 1"	CHECKED -	REVISED - SPB 01-07					VAR	2016-060-1	VARIOUS	46	42
	PLLOT DATE = 4/6/2017	DATE - 02-87	REVISED - SPB 12-09		TC-09			CONTRACT NO. 62D53				
			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\DI0511\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 = 4/6/2017	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

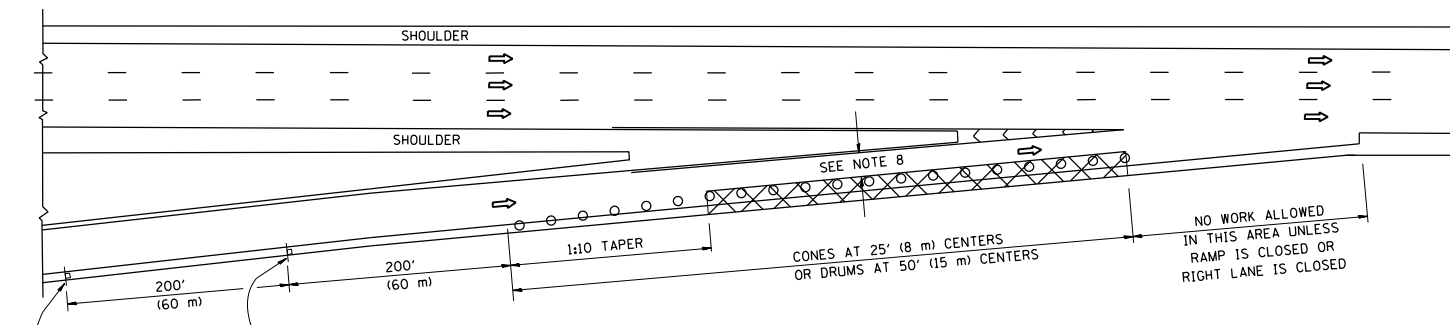
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

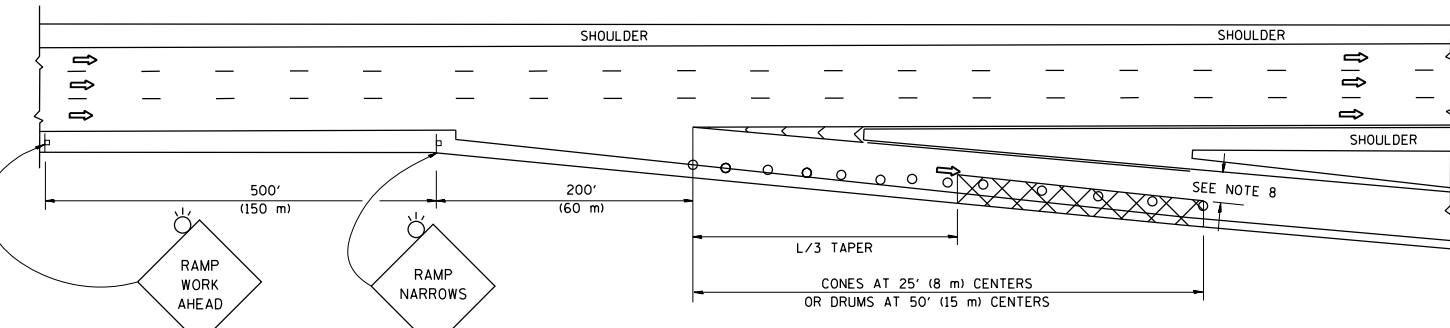
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2016-060-1	VARIOUS	46	43
TC-10			CONTRACT NO. 62D53	
ILLINOIS FED. AID PROJECT				

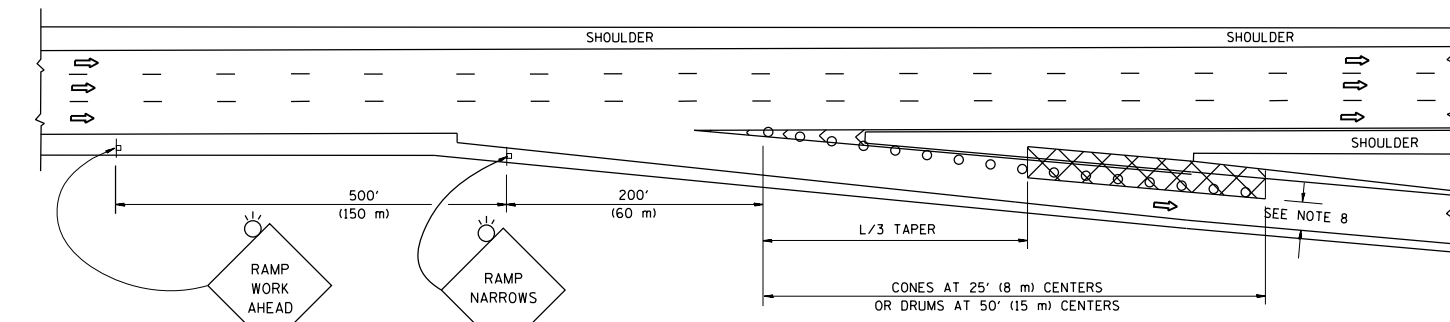
PARTIAL RAMP CLOSURE DETAILS



TYPICAL ENTRANCE RAMP



TYPICAL EXIT RAMP



TYPICAL EXIT RAMP

SYMBOLS

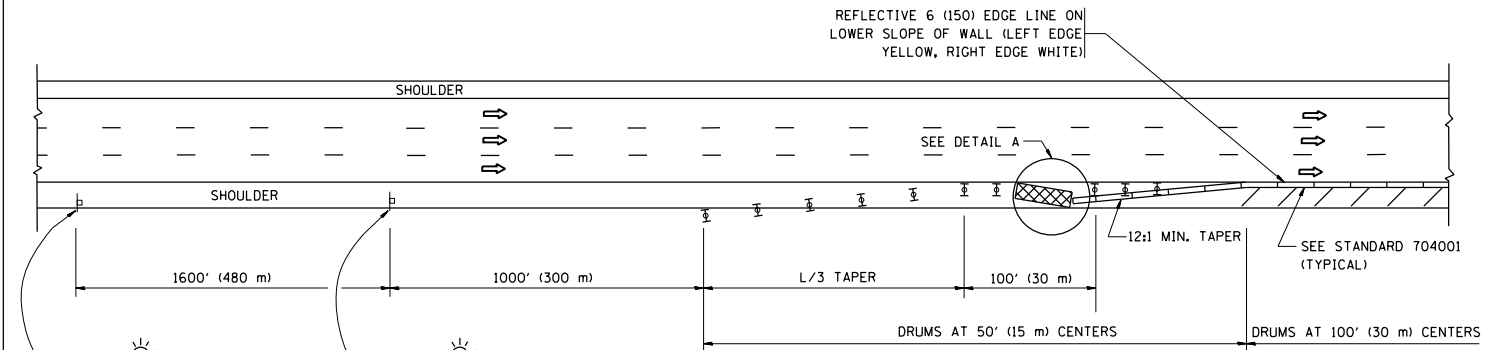
- ACTIVE WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- TYPE II BARRICADE OR DRUM WITH STEADY BURN MONO-DIRECTIONAL LIGHT
- CONE, DRUM OR BARRICADE
- IMPACT ATTENUATOR OF TYPE AND TEST LEVEL SPECIFIED

GENERAL NOTES

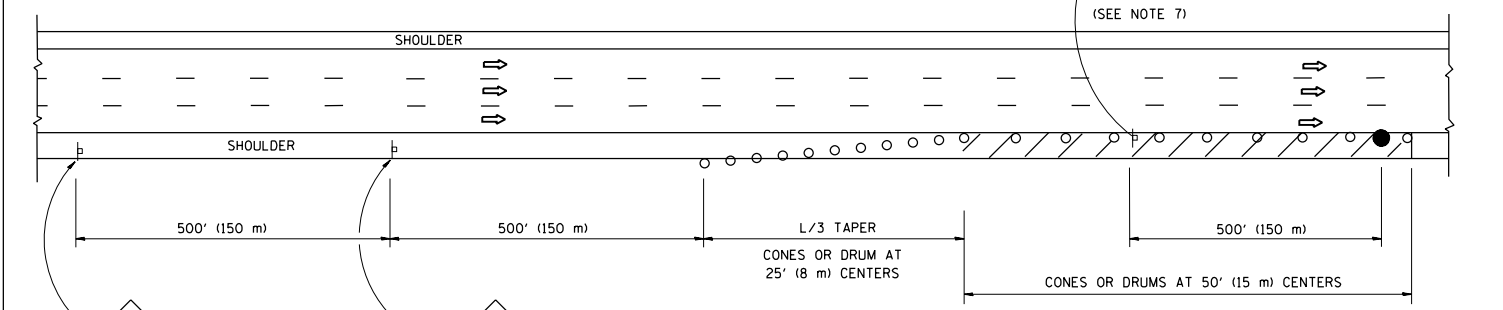
1. THE "L" DISTANCE EQUALS:

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

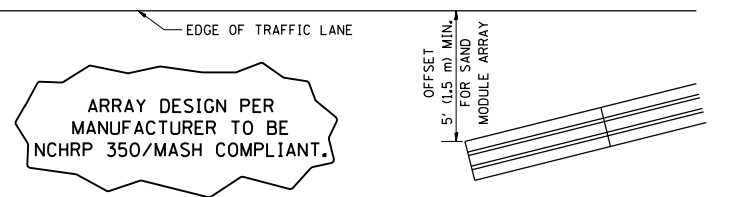


PERMANENT SHOULDER CLOSURE



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)

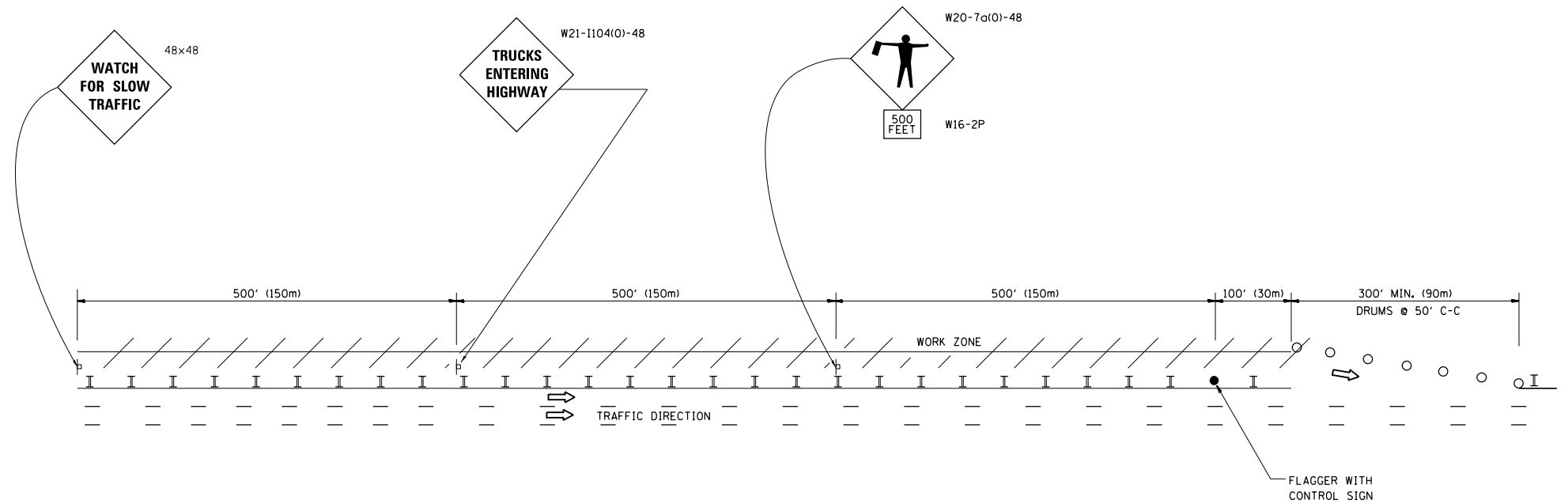
5. THE IMPACT ATTENUATOR, TEMPORARY IS NOT REQUIRED WHEN THE TEMPORARY CONCRETE BARRIER WALL IS PROTECTED BY OR IS TIED INTO THE EXISTING GUARDRAIL. IF OFFSET IS LESS THAN 5 FEET USE NARROW USE TYPE DEVICE TO MEET NCHRP350/MASH.
6. AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL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

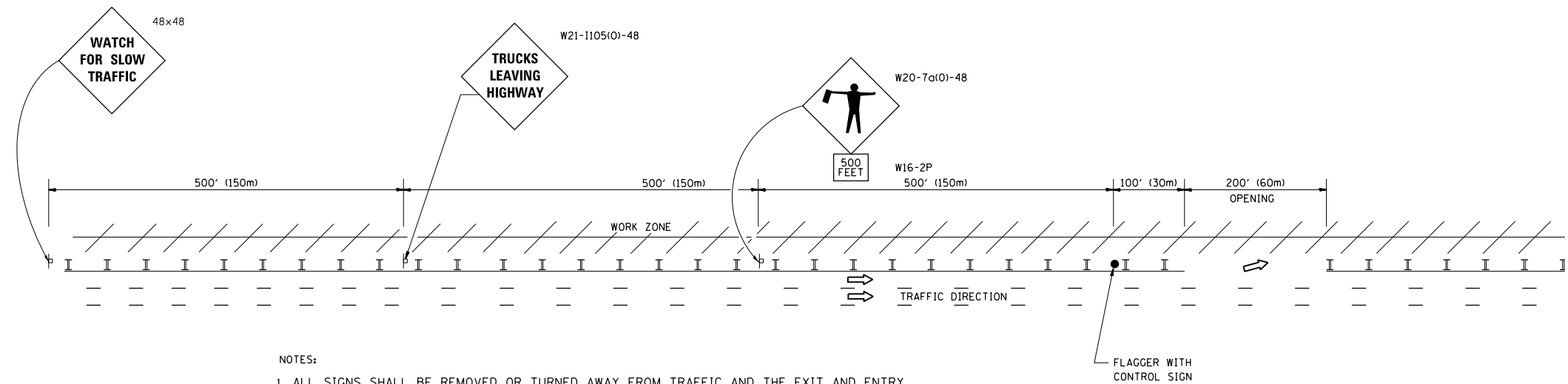
FILE NAME =	USER NAME = Bilgramis	DESIGNED -	REVISED - J.A.F. 12-06	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\1\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\DI0511\Drawings\Design\DWG\151.dgn	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - S.P.B. 01-07					VAR	2016-060-1	VARIOUS	46	44
PLOT DATE = 4/6/2017	DATE - 11-96	REVISED - M.D. 06-13	REVISED - S.P.B. 12-09		TC-17			CONTRACT NO. 62D53				
					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

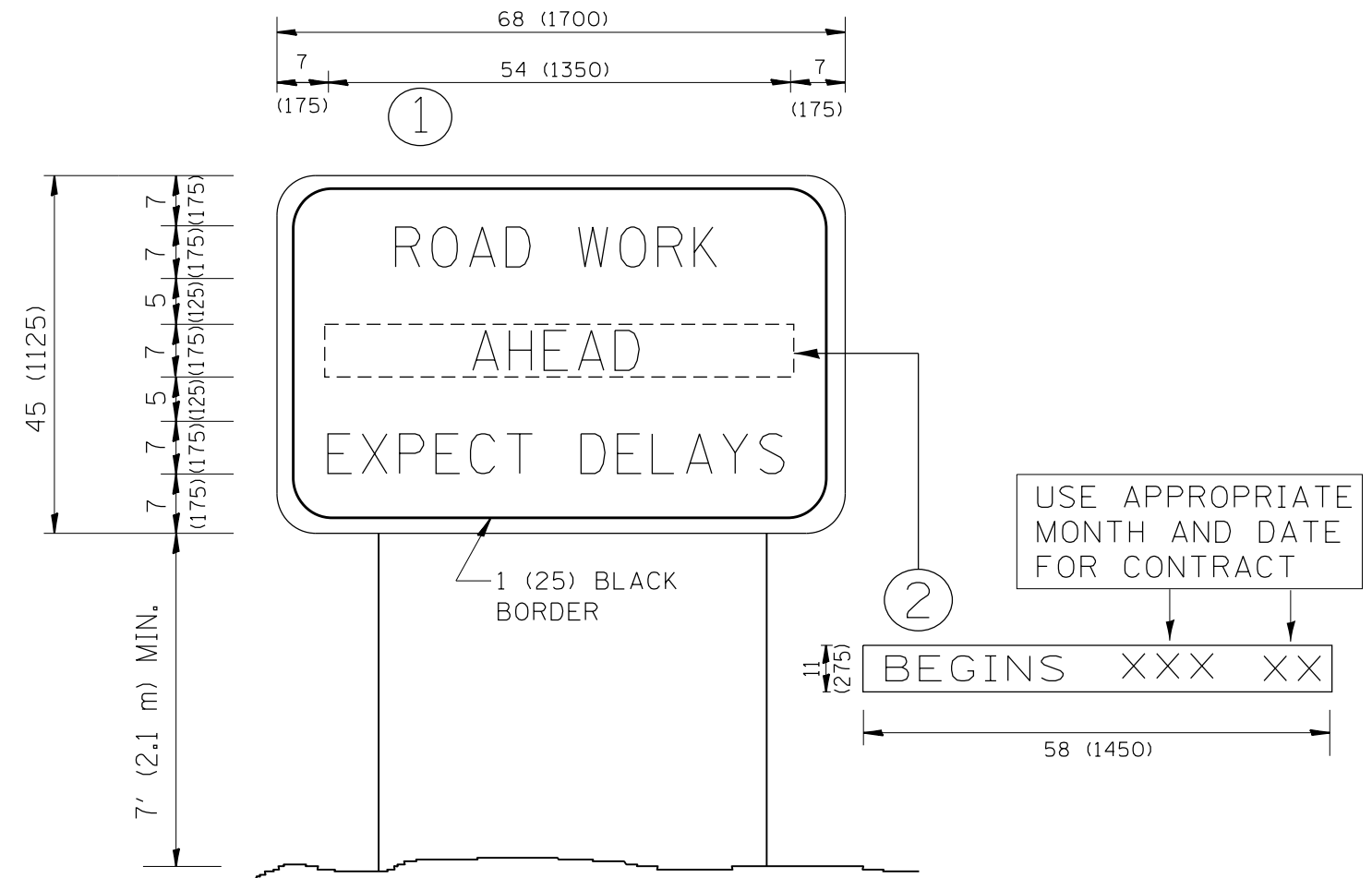


NOTES:

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 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.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG.illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\DI0511\Drawings\Design\Diststd.dgn	DRAWN -	REVISED - S.P.B. 01-07	REVISED - S.P.B. 12-09			VAR	2016-060-1	VARIOUS	46	45
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - M.D. 06-13				TC-18		CONTRACT NO. 62D53		
PLOT DATE = 4/6/2017	DATE -					FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



NOTES:

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

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

FILE NAME =	USER NAME = Bilgromiso	DESIGNED -	REVISED - R. MIRS 09-15-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ARTERIAL ROAD INFORMATION SIGN	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\11\084EBIDINTEG.illinois.gov\PWIDOT\Documents\DOT Offices\District 1\Projects\DI084EBIDINTEG\Design\Diststd.dgn	DRAWN	REVISED - R. MIRS 12-11-97	VAR			2016-060-1	VARIOUS	46	46	
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - T. RAMMACHER 02-02-99	TC-22			CONTRACT NO. 62D53				
PLOT DATE = 4/6/2017	DATE -	REVISED - C. JUCIUS 01-31-07	SCALE: NONE			SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	