

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

J.A.P. DATE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2018-080-GR	VARIOUS	23	1
		ILLINOIS		CONTRACT NO. 62H10

012

FOR INDEX OF SHEETS, SEE SHEET NO. 2

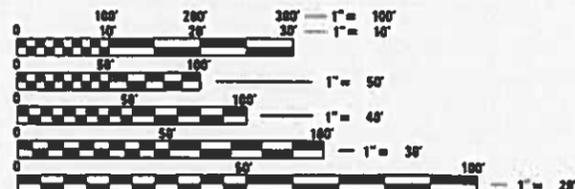
THIS PROJECT IS LOCATED IN:
 THE CITY OF NORTH CHICAGO
 THE CITY OF WAUKEGAN
 THE VILLAGE OF RICHMOND
 THE VILLAGE OF RINGWOOD
 THE VILLAGE OF FOX RIVER GROVE
 THE VILLAGE OF OLD MILL CREEK
 THE VILLAGE OF LAKE ZURICH
 THE VILLAGE OF LONG GROVE
 UNINCORPORATED HEBRON TOWNSHIP
 UNINCORPORATED RICHMOND TOWNSHIP
 UNINCORPORATED ANTIOCH TOWNSHIP
 UNINCORPORATED LIBERTYVILLE TOWNSHIP

PROPOSED HIGHWAY PLANS

VARIOUS ROUTES
 SECTION: 2018-080-GR
 PROJECT: HSIP-RI0J(418)
 GUARDRAIL END SECTION REPLACEMENTS (NORTH)
 LAKE AND MCHENRY COUNTY

C-91-203-19

FOR LOCATION MAPS SEE SHEET NO. 6 & 7



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: VESELIN VELICHKOV (847) 705-4432
 PROJECT MANAGER: FAWAD AQUEEL (847) 705-4247

CONTRACT NO. 62H10

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUBMITTED March 14 2019
Anthony J. Rungley / OAS
 REGIONAL ENGINEER

May 10 2019
 ENGINEER OF DESIGN AND ENVIRONMENT

May 19 2019
 DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

URBAN

URBAN

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		90% FED 10% STATE 0021 MCHENRY COUNTY	90% FED 10% STATE 0021 LAKE COUNTY			
20200100	EARTH EXCAVATION	CU YD	33.5	11	22.5			
21101615	TOPSOIL FURNISH AND PLACE, 4"	SO YD	527	187	340			
25000210	SEEDING, CLASS 2A	ACRE	0.2	0.1	0.1			
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	11	4	7			
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	11	4	7			
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	11	4	7			
25100630	EROSION CONTROL BLANKET	SO YD	527	187	340			
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	333	95	238			
44004250	PAVED SHOULDER REMOVAL	SO YD	230	95	135			
48101200	AGGREGATE SHOULDERS, TYPE B	TON	123	64	59			
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SO YD	492	140	352			
63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	287.5	50	237.5			
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	51	24	27			
63200310	GUARDRAIL REMOVAL	FOOT	2638	1200	1438			

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE			
CODE NO	ITEM	UNIT		90% FED 10% STATE 0021 MCHENRY COUNTY	90% FED 10% STATE 0021 LAKE COUNTY		
64300260	IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	3	3			
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	33.5	11	22.5		
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	7	3	4		
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	LSUM	1	0.5	0.5		
* 66901002	ON-SITE MONITORING OF REGULATED SUBSTANCES	CAL DA	7	3	4		
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	LSUM	1	0.5	0.5		
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	3	3		
67100100	MOBILIZATION	L SUM	1	0.5	0.5		
70100310	TRAFFIC CONTROL AND PROTECTION, STANDARD 701421	L SUM	1	0.5	0.5		
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	0.5	0.5		
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	L SUM	1	0.5	0.5		
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	0.5	0.5		

* = SPECIALTY ITEMS

GUARDRAIL REPLACEMENT SCHEDULE

LOCATION (ROUTE)	GUARDRAIL IDENTIFICATION NUMBER	LOCATION DESCRIPTION	GUARDRAIL REMOVAL (FOOT)	TRAFFIC BARRIER TERM. TY 1 (SP) TANGENT (EACH)	IMPACT ATTEN (REDIRECTIVE NARROW), TL 3 (EACH)	STEEL PLATE BEEM GUARDRAIL, TY A, 6 FT POSTS (FOOT)	TERMINAL MARKER - DIRECT APPLIED (EACH)	PAVED SHOULDER REMOVAL (SQ YD)	EARTH EXCAVATION (CU YD)	HOT-MIX ASPHALT SHOULDERS, 8" (SQ YD)	AGGREGATE SHOULDER, TY B (TON)
MCHENRY COUNTY											
1	(US 14)	# 2093	EB, RT, 0.2 MILES EAST OF IL 22	50	1		1	10	7	31	
2	(US 14)	# 2095	EB, RT, 0.1 MILES EAST OF DOYLE RD	50	1		1		0.5		8
3	(IL 31)	# 9781	NB, RT, JUST SOUTH OF RINGWOOD RD	50	1		1	17	0.5	25	9
4	(IL 31)	# 9780	NB, RT, 0.1 MILES SOUTH OF RINGWOOD RD	50	1	25	1		0.5		
5	(IL 31)	# 9752	SB, RT, JUST SOUTH OF RINGWOOD RD	50	1		1	17	0.5	25	
6	(IL 31)	# 9753	SB, RT, 0.1 MILES SOUTH OF RINGWOOD RD	50	1		1		0.5		9
7	(IL 31)	# 9751	SB, RT, 0.4 MILES NORTH OF HARTS RD	50	1		1		0.5		8
8	(IL 31)	# 9750	SB, RT, 0.6 MILES NORTH OF HARTS RD	50	1		1		0.5		9
9	(IL 31)	# 9782	NB, RT, 0.4 MILES NORTH OF HARTS RD	50	1		1		0.5		
10	(IL 31)	# 9748	SB, RT, 0.4 MILES SOUTH OF SOLON RD	50	1		1		0.5		
11	(IL 31)	# 9747	SB, RT, 0.4 MILES SOUTH OF SOLON RD	50	1		1	13	0.5	19	11
12	(IL 31)	# 9746	SB, RT, 0.3 MILES SOUTH OF SOLON RD	50	1		1		0.5		
13	(IL 31)	# 9784	NB, RT, 0.4 MILES SOUTH OF SOLON RD	50	1		1	13	0.5	15	
14	(IL 31)	# 9785	NB, RT, 0.3 MILES SOUTH OF SOLON RD	50	1		1	25	0.5	25	6
15	(US 12)	# 9733	WB, RT, 0.2 MILES EAST OF IL 31	50	1		1		0.5		4
16	(US 12)	# 9786	EB, RT, 0.2 MILES EAST OF IL 31	50	1	25	1		0.5		
17	(IL 47)	# 9131	SB, RT, 0.5 MILES NORTH OF INDUSTRIAL DR	50	1		1		0.5		
18	(IL 47)	# 9130	SB, RT, 0.6 MILES NORTH OF INDUSTRIAL DR	50	1		1		0.5		
19	(IL 47)	# 9124	NB, RT, 0.5 MILES NORTH OF INDUSTRIAL DR	50	1		1		0.5		
20	(IL 47)	# 9125	NB, RT, 0.6 MILES NORTH OF INDUSTRIAL DR	50	1		1		0.5		
21	(IL 47)	# 9129	SB, RT, 0.6 MILES SOUTH OF STATE LINE RD	50	1		1		0.5		
22	(IL 47)	# 9128	SB, RT, 0.5 MILES SOUTH OF STATE LINE RD	50	1		1		0.5		
23	(IL 47)	# 9126	NB, RT, 0.6 MILES SOUTH OF STATE LINE RD	50	1		1		0.5		
24	(IL 47)	# 9127	NB, RT, 0.5 MILES SOUTH OF STATE LINE RD	50	1		1		0.5		
LAKE COUNTY											
25	(US 12)	N/A	EB, LT, JUST EAST OF ELA RD	50		1			0.5		16
26	(US 12)	N/A	WB, LT, 0.1 MILES EAST OF ELA RD	50		1			0.5		16
27	(US 12)	# 2399	EB, RT, JUST EAST OF ELA RD	50	1	12.5	1		0.5		
28	(IL 83)	# 2393	SB, RT, 0.2 MILES SOUTH OF IL 22	50	1	50	1	23	0.5	57	
29	(IL 83)	# 2596	SB, RT, 0.1 MILES SOUTH OF GILMER RD	50	1		1	27	0.5	36	
30	(IL 83)	# 2602	NB, RT, ON PORT CLINTON RD	50	1	37.5	1	12	0.5	59	
31	(IL 137)	# 2843	SB, RT, ON EXIT RAMP TO NB US 45	50	1		1	18	0.5	79	
32	(IL 137)	# 2844	SB, RT, ON EXIT RAMP TO NB US 45	50	1		1	16	0.5	55	
33	(IL 137)	# 2882	SB, RT, ON ENTRANCE RAMP FROM 24TH ST	50	1		1		0.5		7
34	(IL 137)	# 2880	SB, RT, ON EXIT RAMP TO 24TH ST	50	1		1		0.5		8
35	(IL 137)	N/A	NB, LT, JUST NORTH OF GENESSE ST	25		1		7	0.5	7	
36	(IL 137)	# 3294	NB, RT, JUST NORTH OF GENESSE ST	50	1		1	19	0.5	33	
37	(IL 137)	# 3353	NB, RT, ON EXIT RAMP TO GRAND AVE	50	1		1	13	0.5	26	4
38	(IL 137)	# 3296	SB, RT, ON EXIT RAMP TO GRAND AVE	50	1		1		0.5		8
39	(US 45)	# 2770	SB, RT, 0.4 MILES NORTH OF INDEPENDENCE BLVD	50	1		1		0.5		
40	(US 45)	# 2769	SB, RT, 0.5 MILES NORTH OF INDEPENDENCE BLVD	50	1		1		0.5		
41	(US 45)	# 2757	NB, RT, 0.4 MILES NORTH OF INDEPENDENCE BLVD	50	1		1		0.5		
42	(US 45)	# 2758	NB, RT, 0.5 MILES NORTH OF INDEPENDENCE BLVD	50	1		1		0.5		
43	(US 45)	# 2768	SB, RT, 0.2 MILES NORTH OF MILLER RD	50	1		1		0.5		
44	(US 45)	# 2759	NB, RT, 0.2 MILES NORTH OF MILLER RD	50	1	25	1		0.5		
45	(US 45)	# 2760	NB, RT, 0.2 MILES NORTH OF MILLER RD	37.5	1	12.5	1		0.5		
46	(US 45)	# 2761	NB, RT, 0.4 MILES NORTH OF MILLER RD	50	1		1		0.5		
47	(US 45)	# 2762	NB, RT, 0.5 MILES NORTH OF MILLER RD	50	1	12.5	1		0.5		
48	(US 45)	# 2766	SB, RT, 0.6 MILES SOUTH OF IL 173	37.5	1	62.5	1		0.5		
49	(US 45)	# 2763	NB, RT, 0.6 MILES SOUTH OF IL 173	50	1		1		0.5		
50	(US 45)	# 2764	NB, RT, 0.6 MILES SOUTH OF IL 173	37.5	1	25	1		0.5		
51	(US 45)	# 2740	SB, RT, 0.3 MILES SOUTH OF STATE LINE RD	50	1		1		0.5		
52	(US 45)	# 2739	SB, RT, 0.2 MILES SOUTH OF STATE LINE RD	50	1		1		0.5		
53	(US 45)	# 2737	NB, RT, 0.3 MILES SOUTH OF STATE LINE RD	50	1		1		0.5		
54	(US 45)	# 2738	NB, RT, 0.2 MILES SOUTH OF STATE LINE RD	50	1		1		0.5		
TOTAL				2637.5	51	3	287.5	230	33.5	493	123

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GUARDRAIL REPLACEMENT (NORTH SECTION)
SCHEDULE OF QUANTITIES**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2018-080-GR	VARIOUS	23	5
CONTRACT NO. 62H10				
ILLINOIS		FED. AID PROJECT		

- ANTIOCH TOWNSHIP
US 45
- (51) SB, RT, 0.3 MILES S/O 128TH ST (STATE LINE)
 - (52) SB, RT, 0.2 MILES S/O 128TH ST (STATE LINE)
 - (53) NB, RT, 0.3 MILES S/O 128TH ST (STATE LINE)
 - (54) NB, RT, 0.2 MILES S/O 128TH ST (STATE LINE)

- ANTIOCH TOWNSHIP
US 45
- (48) SB, RT, 0.6 MILES S/O IL 173
 - (49) NB, RT, 0.6 MILES S/O IL 173
 - (50) NB, RT, 0.6 MILES S/O IL 173

- ANTIOCH TOWNSHIP
US 45
- (43) SB, RT, 0.2 MILES N/O MILLER RD
 - (44) NB, RT, 0.2 MILES N/O MILLER RD
 - (45) NB, RT, 0.2 MILES N/O MILLER RD
 - (46) NB, RT, 0.4 MILES N/O MILLER RD
 - (47) NB, RT, 0.5 MILES N/O MILLER RD

- OLD MILL CREEK
US 45
- (39) SB, RT, 0.4 MILES N/O INDEPENDENCE BLVD
 - (40) SB, RT, 0.5 MILES N/O INDEPENDENCE BLVD
 - (41) NB, RT, 0.4 MILES N/O INDEPENDENCE BLVD
 - (42) NB, RT, 0.5 MILES N/O INDEPENDENCE BLVD

- LIBERTYVILLE TOWNSHIP
IL 137
- (31) SB, RT, ON EXIT RAMP TO TO NB US 45
 - (32) SB, RT, ON EXIT RAMP TO TO NB US 45

- LAKE ZURICH
US 12
- (25) EB, LT, JUST E/O ELA RD
 - (26) WB, LT, 0.1 MILES E/O ELA RD
 - (27) EB, RT, JUST E/O ELA RD

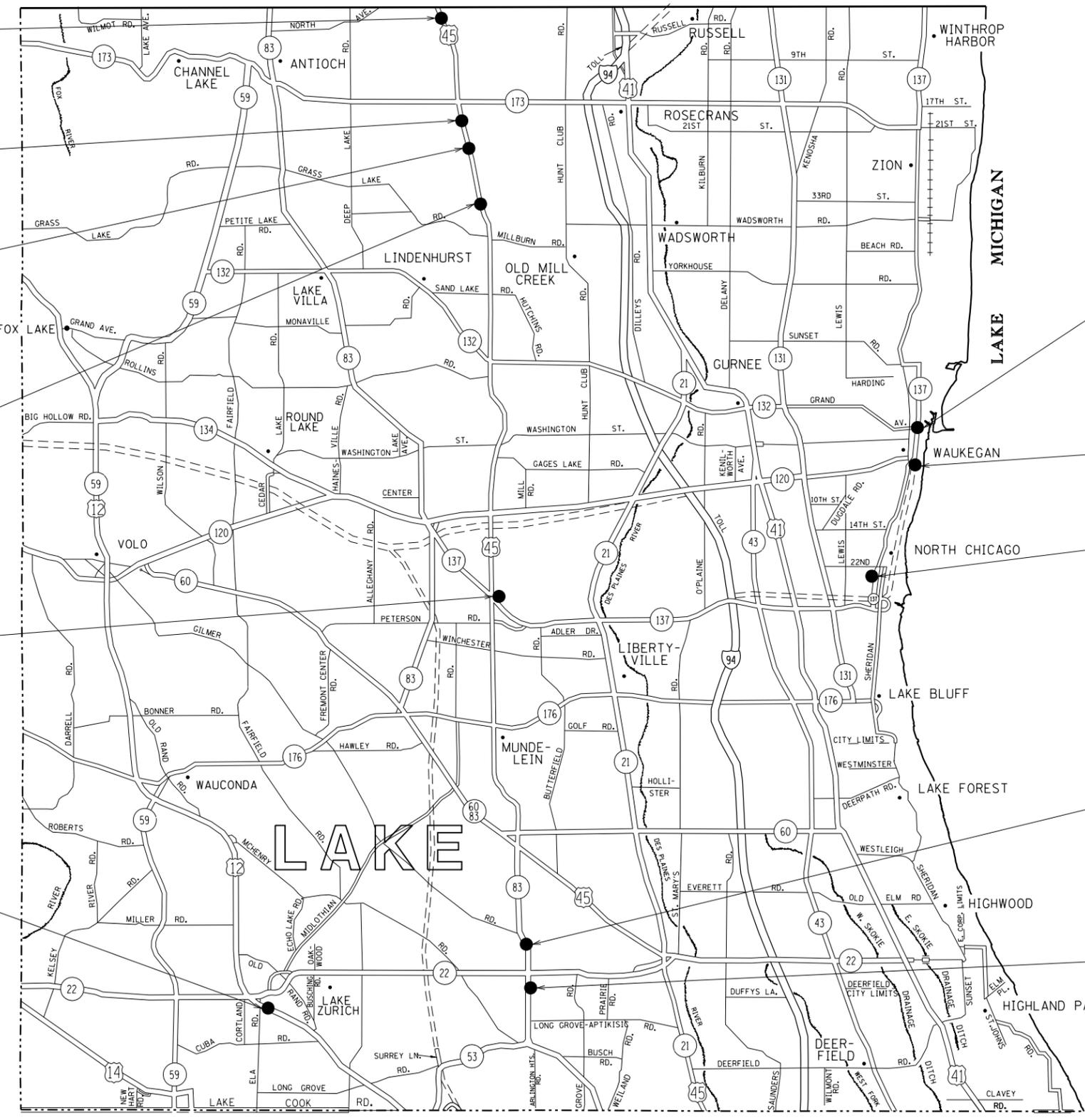
- WAUKEGAN
IL 137
- (37) SB, RT, ON EXIT RAMP TO GRAND AVE
 - (38) NB, RT, ON EXIT RAMP TO GRAND AVE

- WAUKEGAN
IL 137
- (35) NB, LT, JUST N/O GENESSE ST
 - (36) NB, RT, JUST N/O GENESSE ST

- NORTH CHICAGO
IL 137
- (33) SB, RT, ON ENTRANCE RAMP FROM 24TH ST
 - (34) SB, RT, ON EXIT RAMP TO 24TH ST

- LONG GROVE
IL 83
- (29) SB, RT, 0.1 MILES S/O GILMER RD
 - (30) NB, ON PORT CLINTON RD

- LONG GROVE
IL 83
- (28) SB, RT, 0.2 MILES S/O IL 22



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE:		SHEET	OF	SHEETS	STA.	TO	STA.
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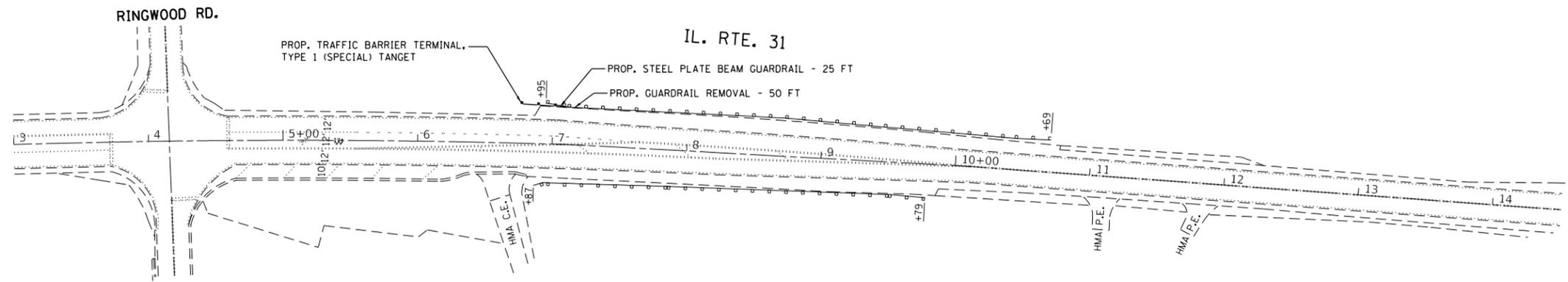
GUARDRAIL REPLACEMENT
LOCATION MAP (LAKE COUNTY)

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2018-080-GR	LAKE	23	7
CONTRACT NO. 62H10				
ILLINOIS FED. AID PROJECT				

LOCATION 3
GR ID #9781

IL. RTE. 31

ON IL. RTE. 31 NORTHBOUND, RIGHT SIDE,
JUST SOUTH OF RINGWOOD RD.
STRUCTURE #9781



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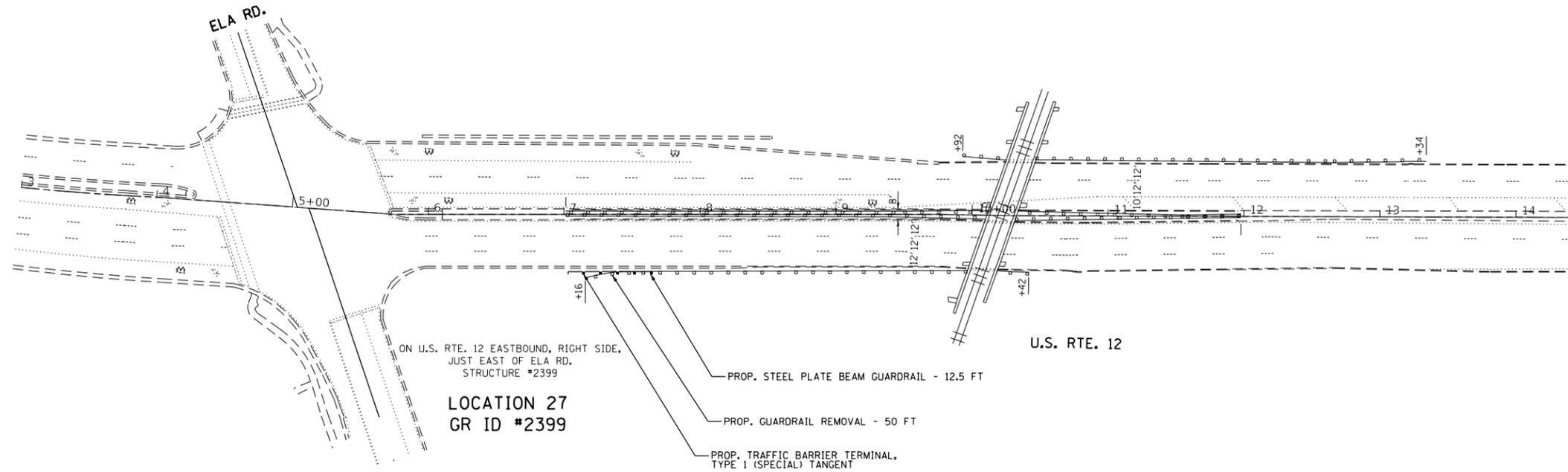
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED GUARDRAIL PLANS McHENRY COUNTY
IL. RTE. 31

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	2018-080-GR	MCHENRY	23	8
CONTRACT NO. 62H10				
ILLINOIS		FED. AID PROJECT		



LOCATION 27
GR ID #2399

- PROP. STEEL PLATE BEAM GUARDRAIL - 12.5 FT
- PROP. GUARDRAIL REMOVAL - 50 FT
- PROP. TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

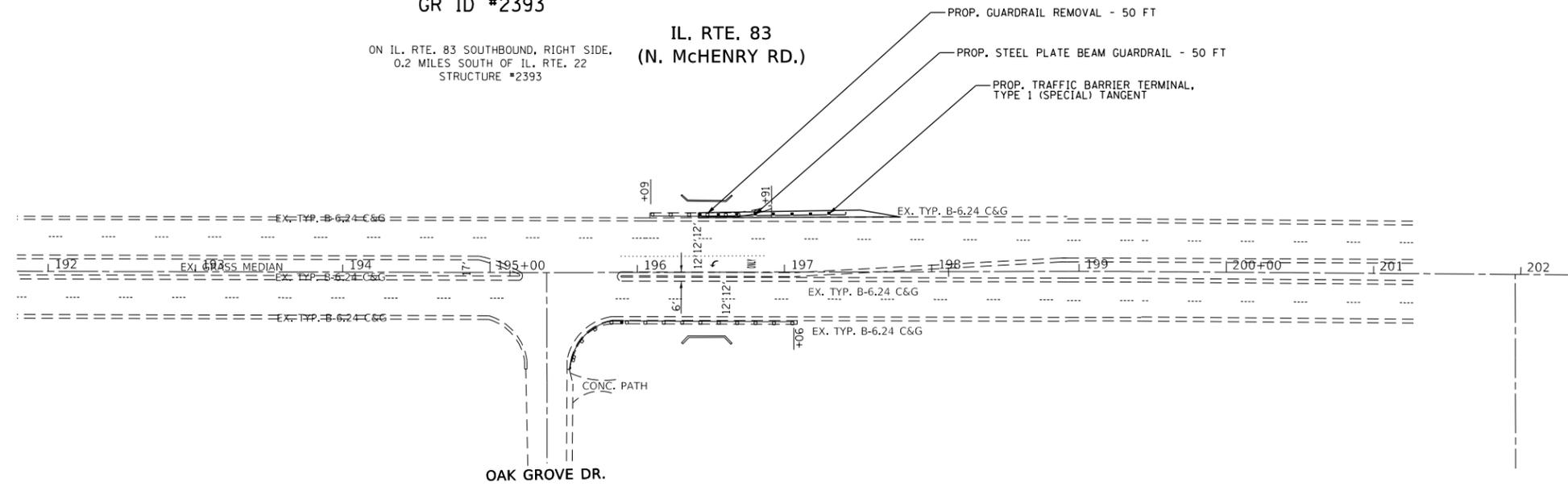
PROPOSED GUARDRAIL PLANS LAKE COUNTY U.S. RTE. 12			
SCALE:	SHEET	OF	SHEETS
	STA.	TO	STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	2018-080-GR	LAKE	23	10
CONTRACT NO. 62H10				
ILLINOIS FED. AID PROJECT				

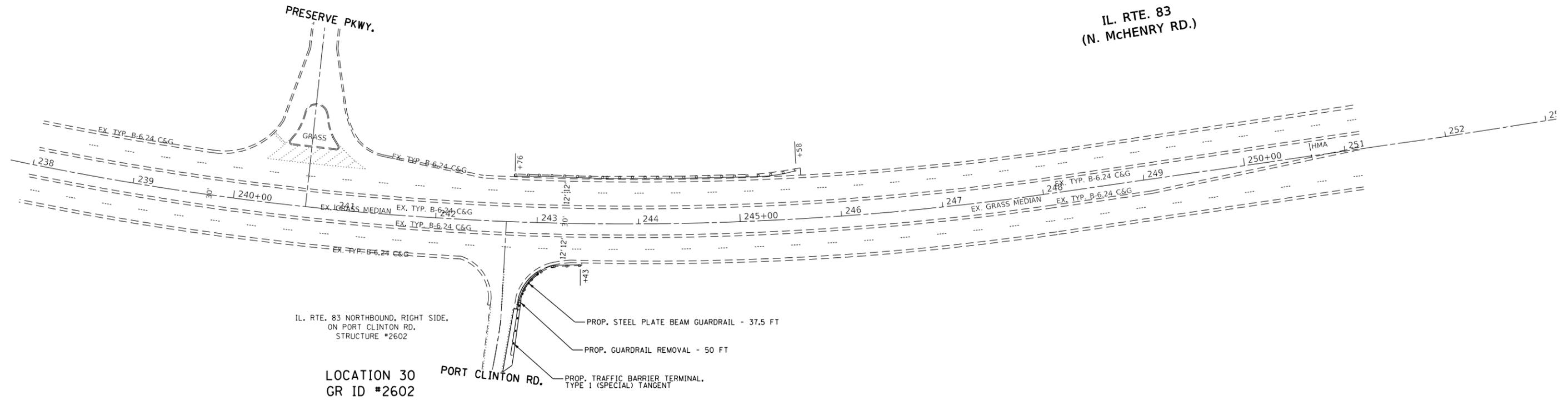
**LOCATION 28
GR ID #2393**

ON IL. RTE. 83 SOUTHBOUND, RIGHT SIDE,
0.2 MILES SOUTH OF IL. RTE. 22
STRUCTURE #2393

**IL. RTE. 83
(N. McHENRY RD.)**



**IL. RTE. 83
(N. McHENRY RD.)**



IL. RTE. 83 NORTHBOUND, RIGHT SIDE,
ON PORT CLINTON RD.
STRUCTURE #2602

**LOCATION 30
GR ID #2602**

PORT CLINTON RD.

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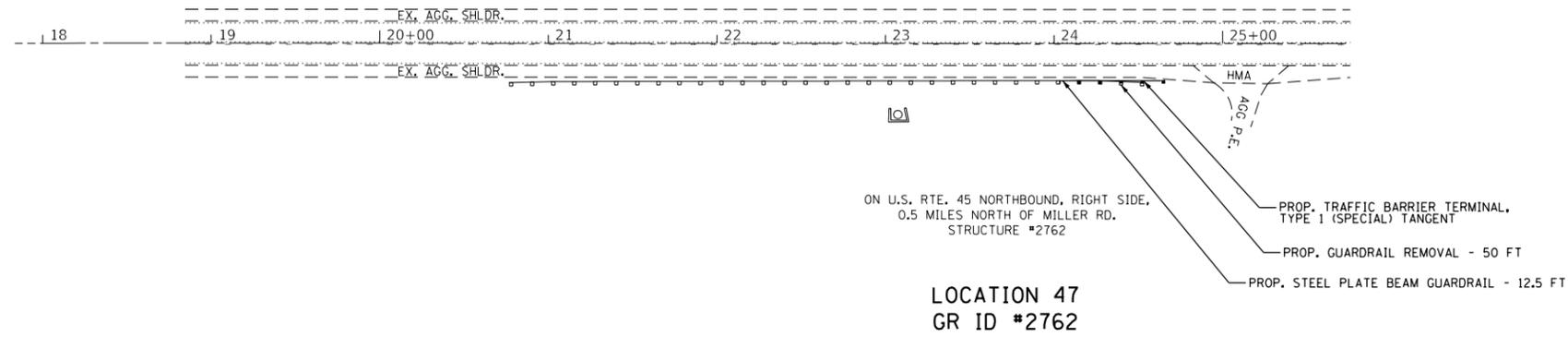
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED GUARDRAIL PLANS LAKE COUNTY
IL. RTE. 83**

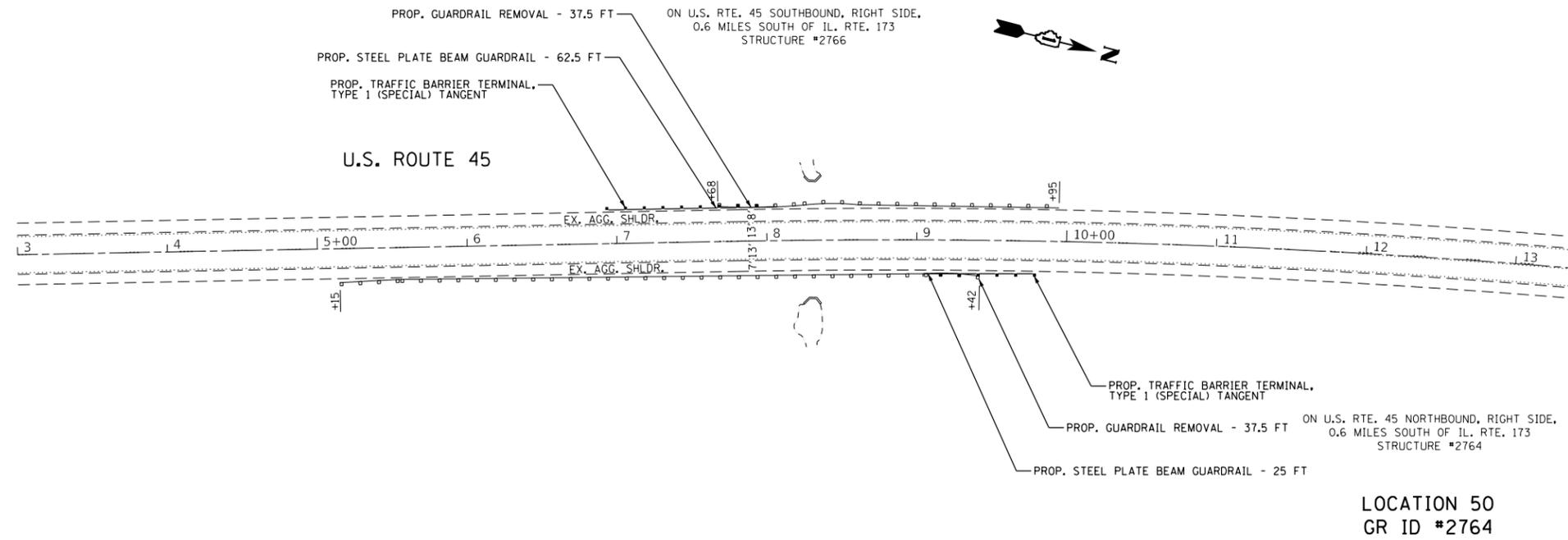
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2018-080-GR	LAKE	23	11
CONTRACT NO. 62H10				
ILLINOIS FED. AID PROJECT				

U.S. ROUTE 45



LOCATION 48
GR ID #2766



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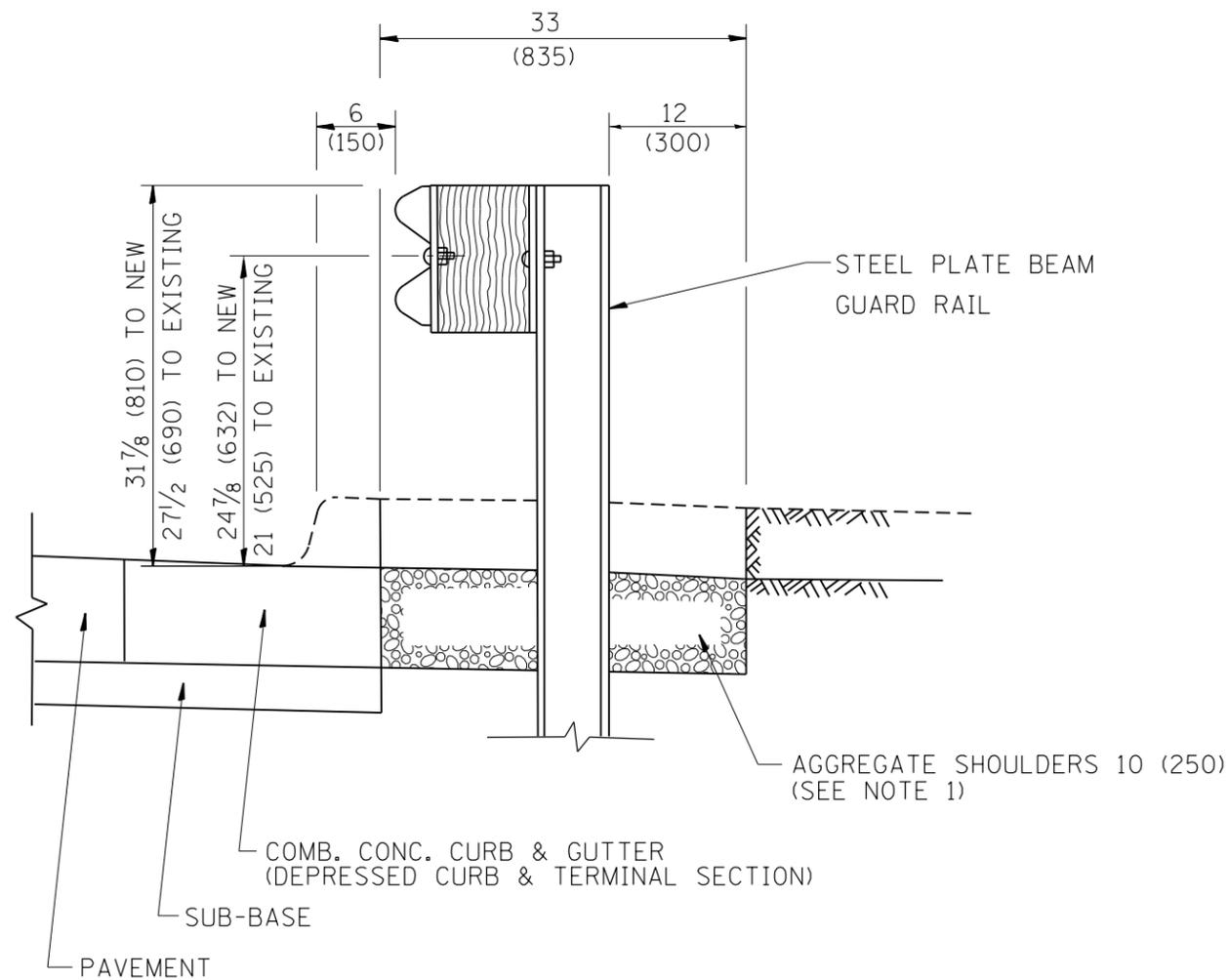
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PLOT DATE = 3/12/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED GUARDRAIL PLANS LAKE COUNTY
U.S. RTE. 45

SCALE: SHEET OF SHEETS STA. TO STA.

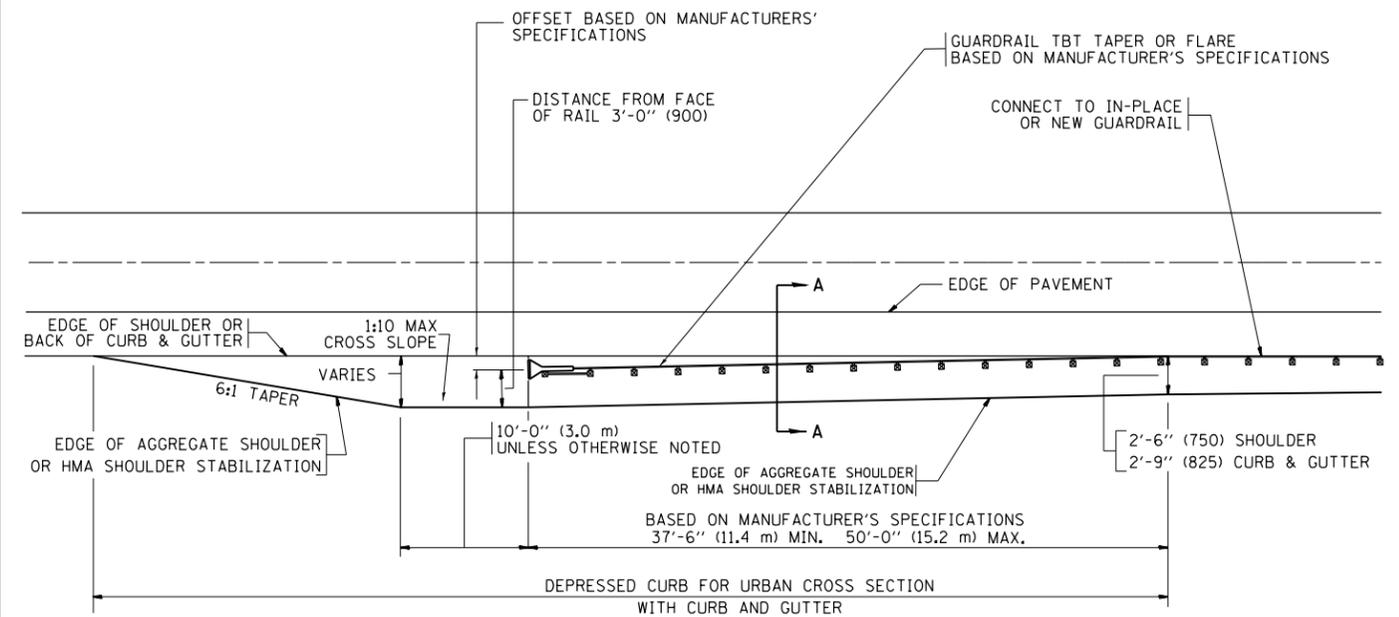
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2018-080-GR	LAKE	23	13
CONTRACT NO. 62H10			ILLINOIS FED. AID PROJECT	



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.

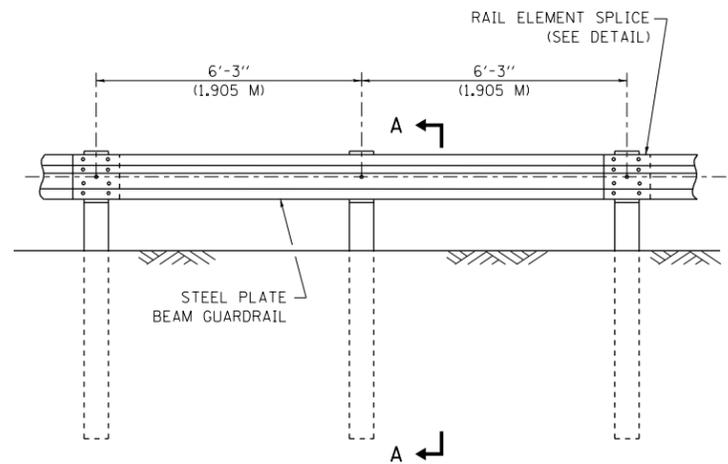
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	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - R. BORO 12-08-2008
	PLOT DATE = 3/12/2019	DATE - 09-22-90	REVISED - R. BORO 09-14-2009

**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.

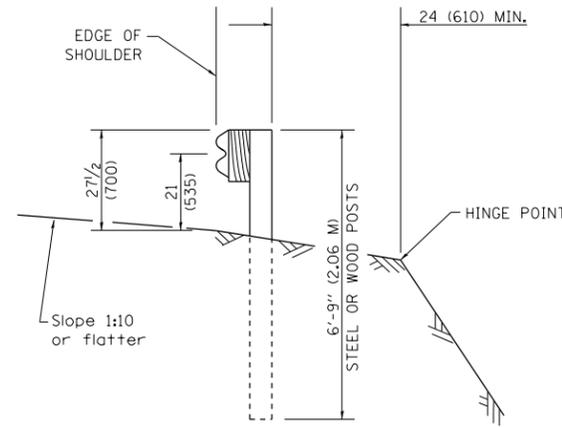
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VAR	2018-080-GR	VARIOUS	23	14
BD600-10 (BD 34)			CONTRACT NO. 62H10	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



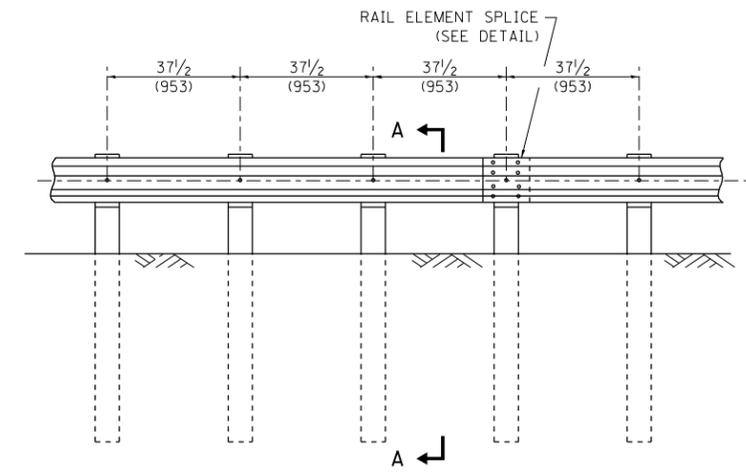
ELEVATION

TYPE A

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



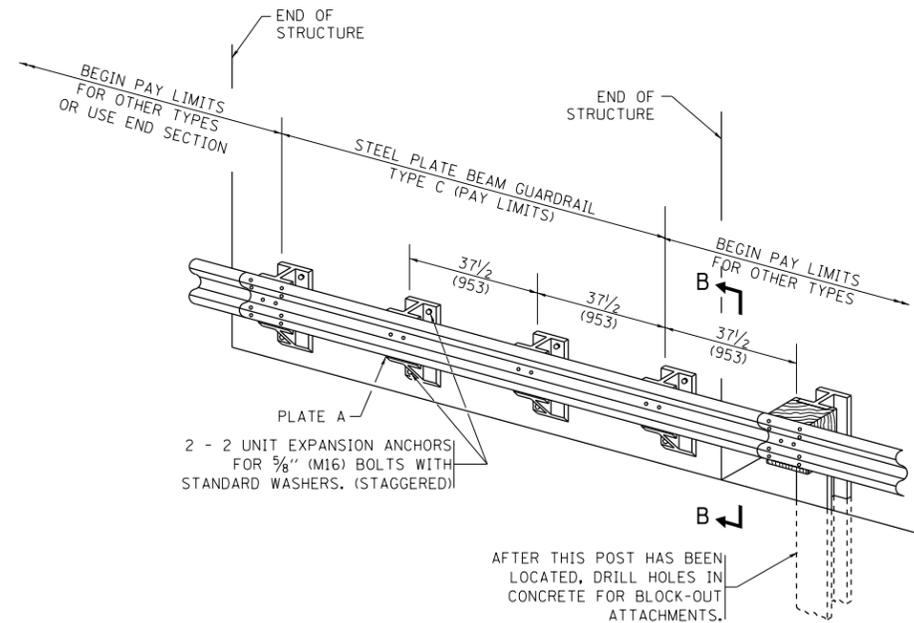
SECTION A-A



ELEVATION

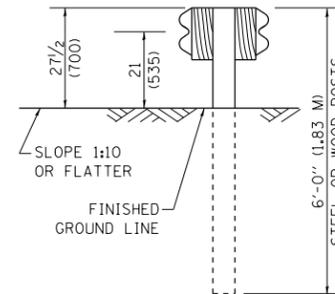
TYPE A

37 1/2 (953) CLOSED POST SPACING

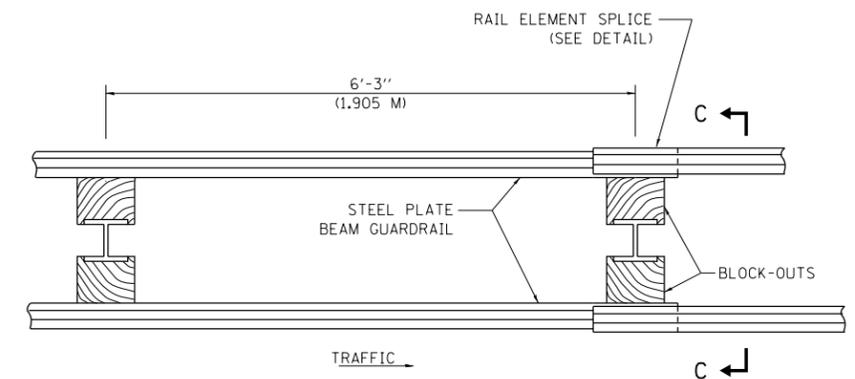


TYPE C

37 1/2 (953) BLOCK-OUT SPACING



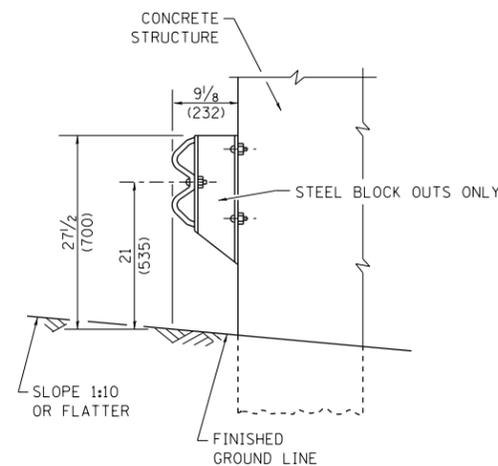
SECTION C-C



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.

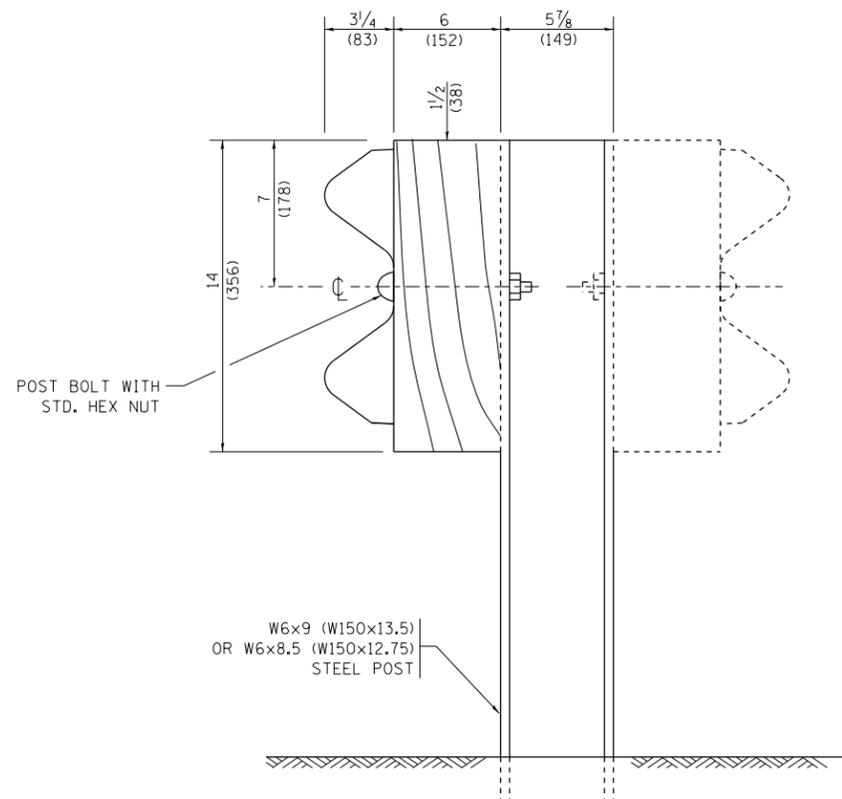
THIS DETAIL IS APPLICABLE TO THE GUARDRAIL SYSTEM USED PRIOR TO JANUARY 1, 2007. FOR DETAILS ON THE MIDWEST GUARDRAIL SYSTEM, SEE STANDARD 630001.

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		DATE -	REVISED -

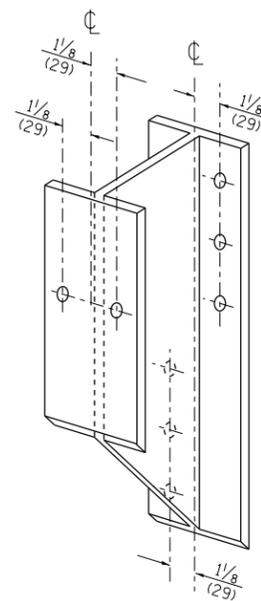
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

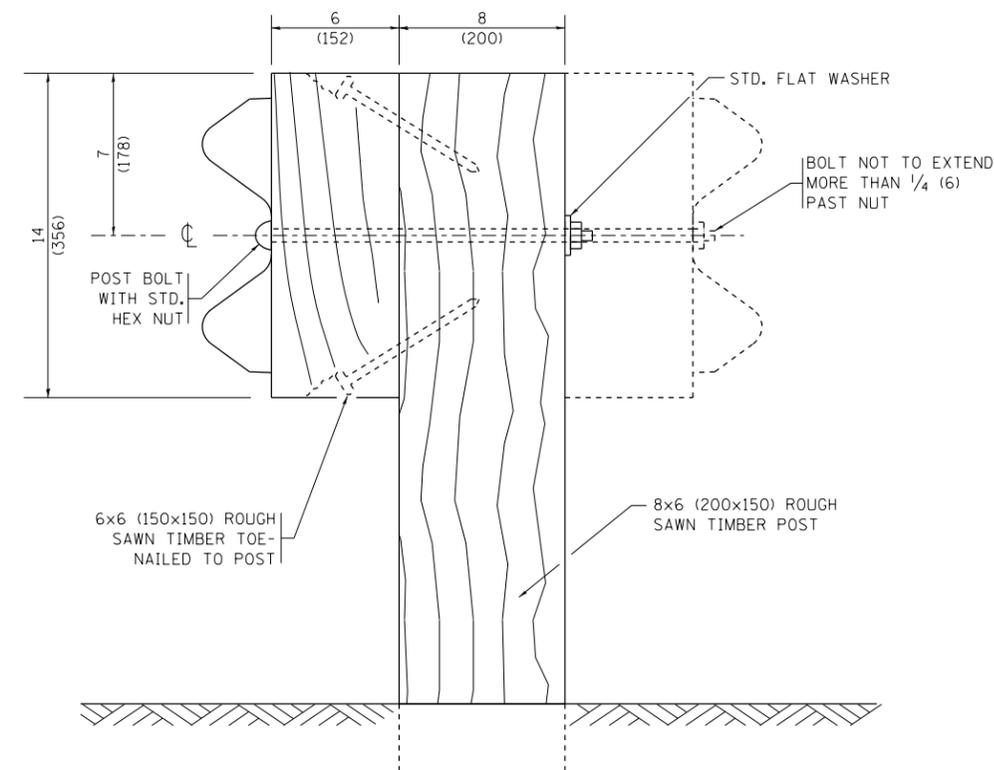
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2018-080-GR	VARIOUS	23	15
	BM-21		CONTRACT NO. 62H10	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



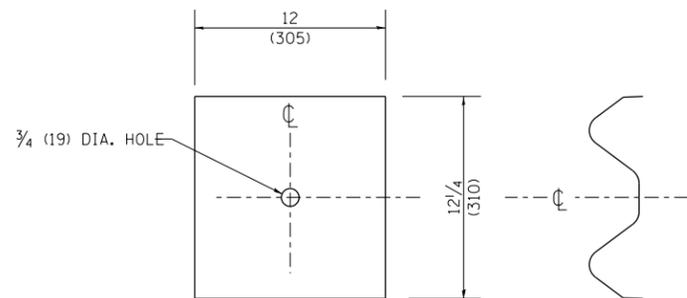
STEEL POST CONSTRUCTION



STEEL BLOCK-OUT DETAIL



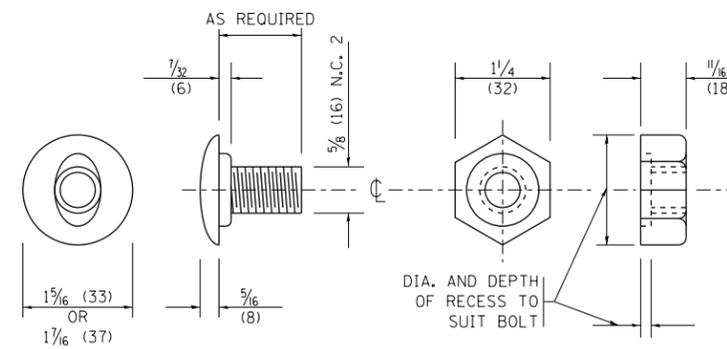
WOOD POST CONSTRUCTION



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

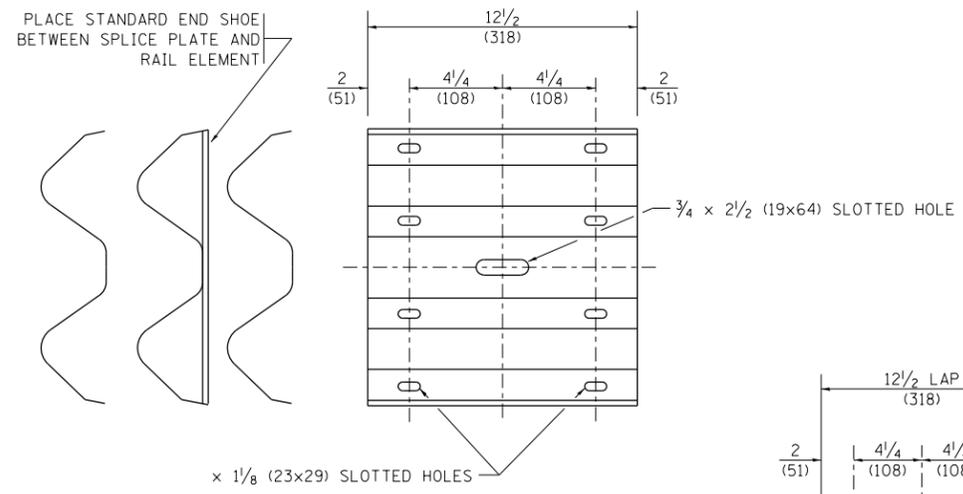
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PLOT SCALE = 100.0000' / 1in.			
PLOT DATE = 3/12/2019			

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

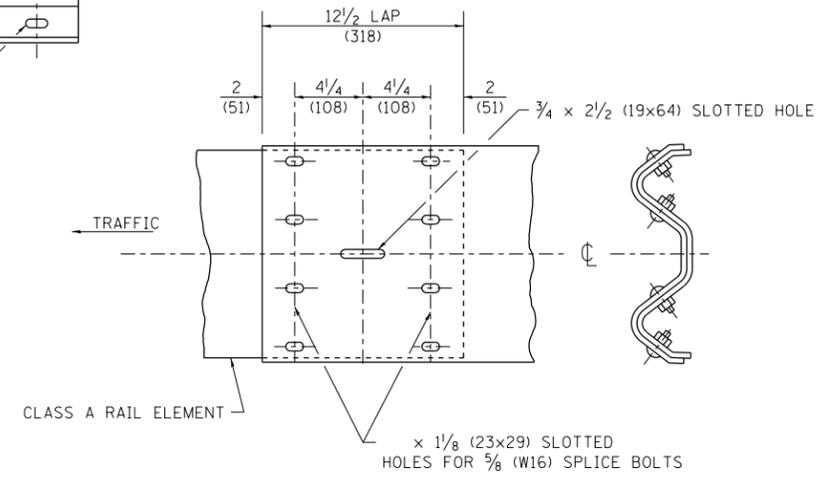
REMOVE AND REERECT
STEEL PLATE BEAM GUARDRAIL

SCALE: NONE SHEET NO. 2 OF 4 SHEETS STA. TO STA.

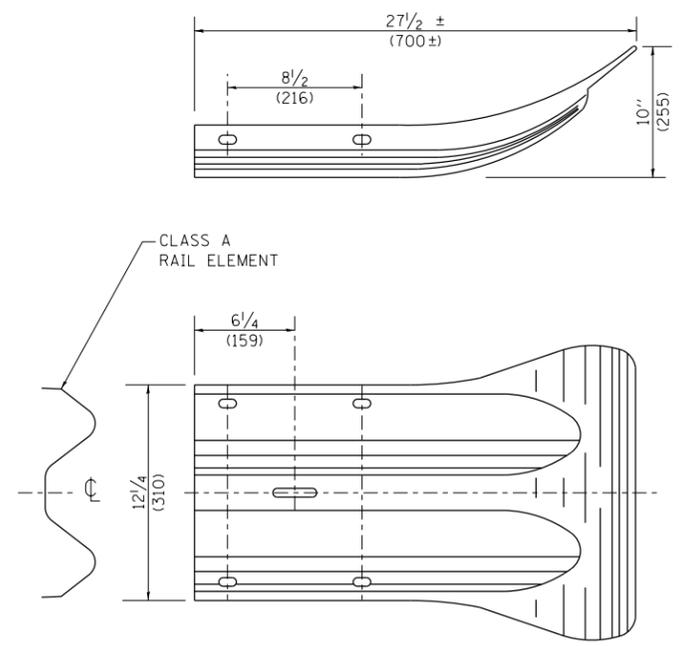
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2018-080-GR	VARIOUS	23	16
	BM-21	CONTRACT NO.	62H10	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



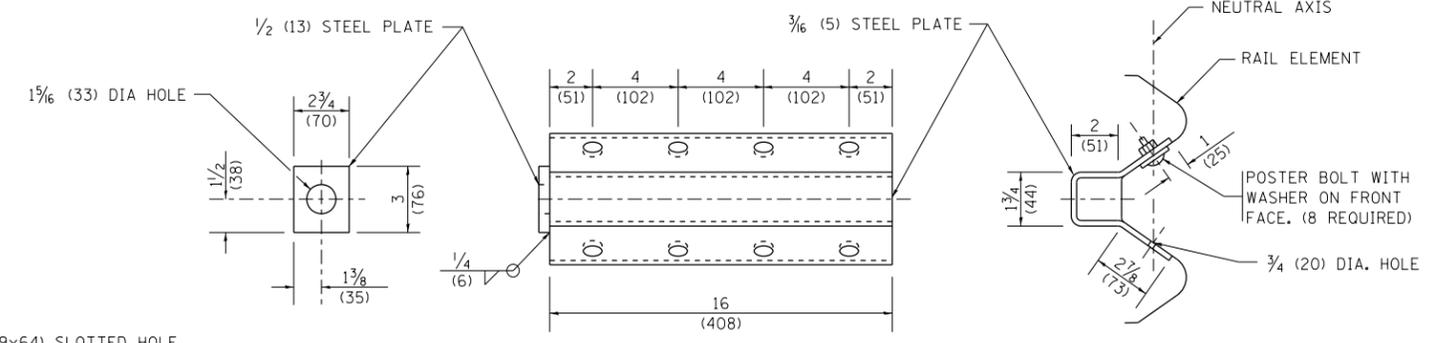
SPLICE PLATE



RAIL ELEMENT SPLICE



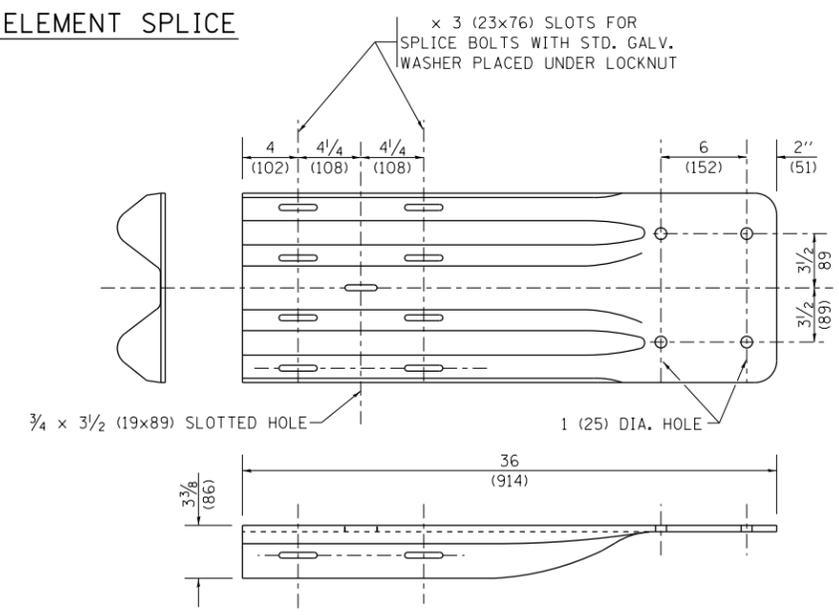
END SECTION



NOTE:

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

ANCHORE PLATE T DETAILS



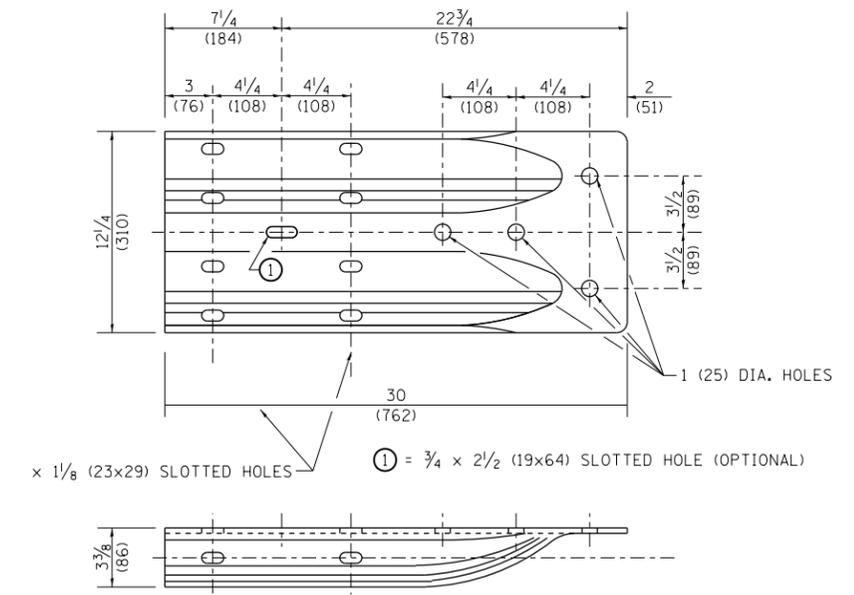
END SHOE

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

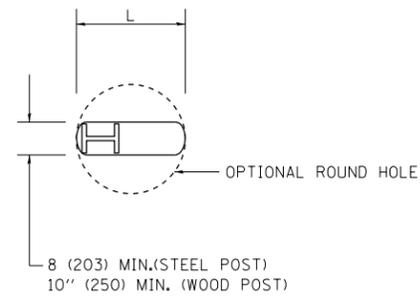
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		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

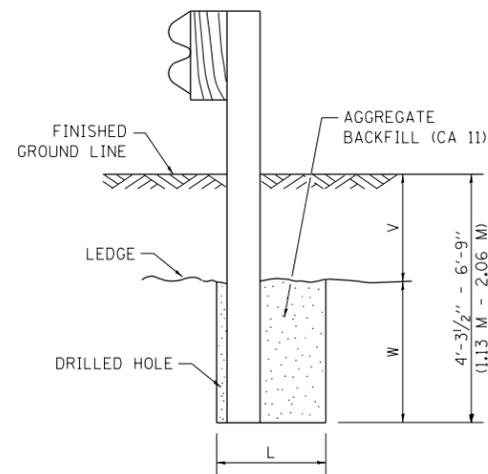
**REMOVE AND REERECT
STEEL PLATE BEAM GUARDRAIL**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2018-080-GR	VARIOUS	23	17
	BM-21	CONTRACT NO. 62H10		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



PLAN

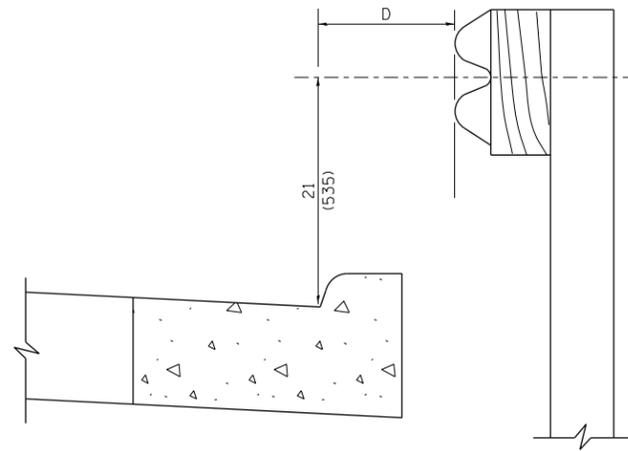


NOTE:

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

ELEVATION

FOOTING FOR POST WHEN IMPERVIOUS MATERIAL IS ENCOUNTERED



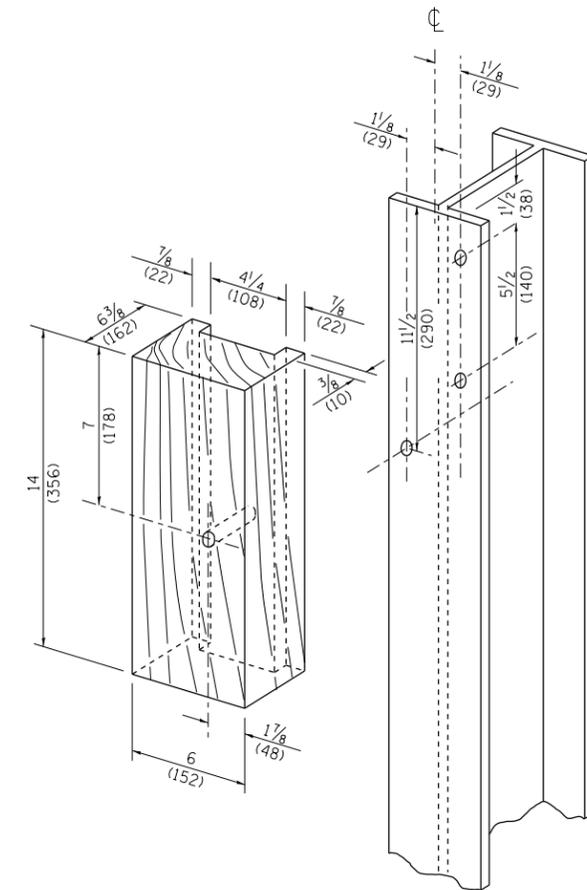
NOTE:

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.

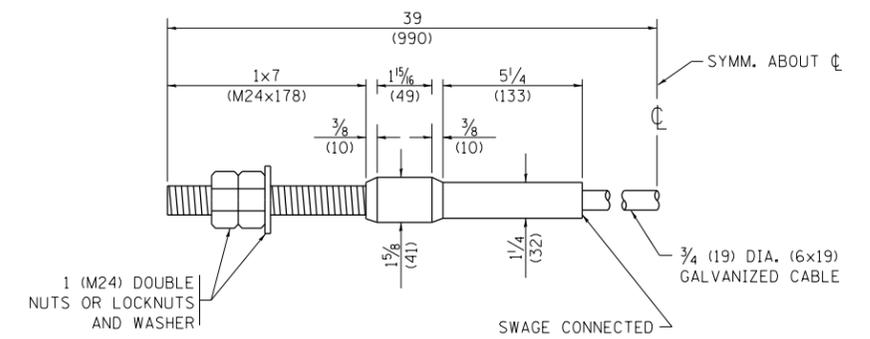
GUARDRAIL PLACED BEHIND CURB

(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

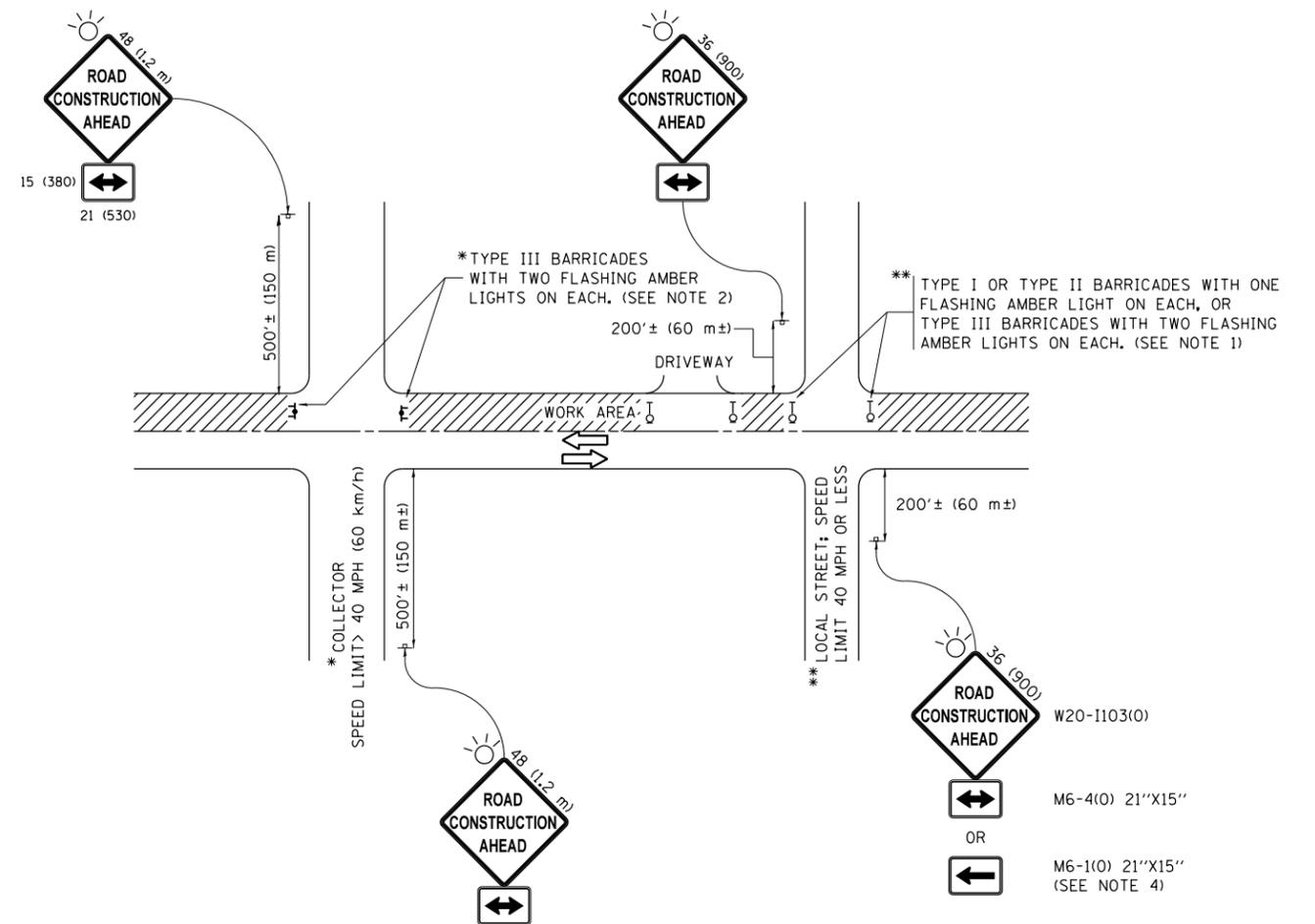
(40,000 LBS (18,100 KG) MIN. BREAKING STRENGTH)
TIGHTEN TO TAUT TENSION

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PLOT DATE = 3/12/2019			

**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. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2018-080-GR	VARIOUS	23	18
BM-21		CONTRACT NO. 62H10		
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.

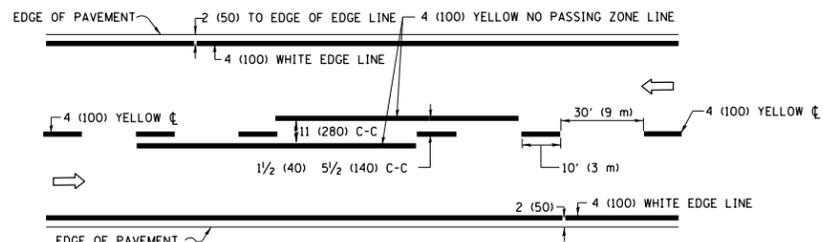
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

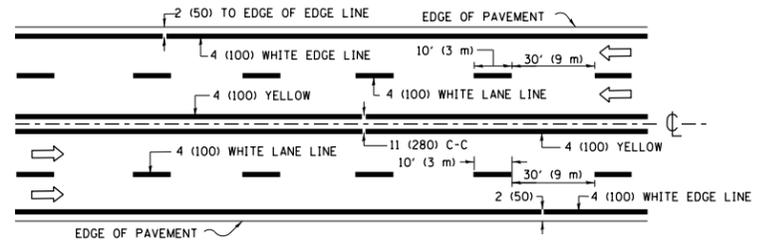
**TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

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

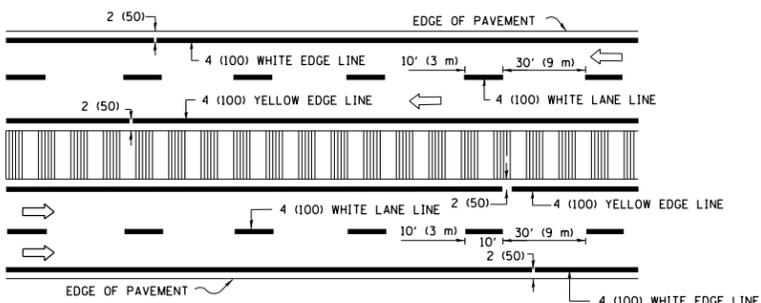
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VAR	2018-080-GR	VARIOUS	23	19
TC-10			CONTRACT NO. 62H10	
ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

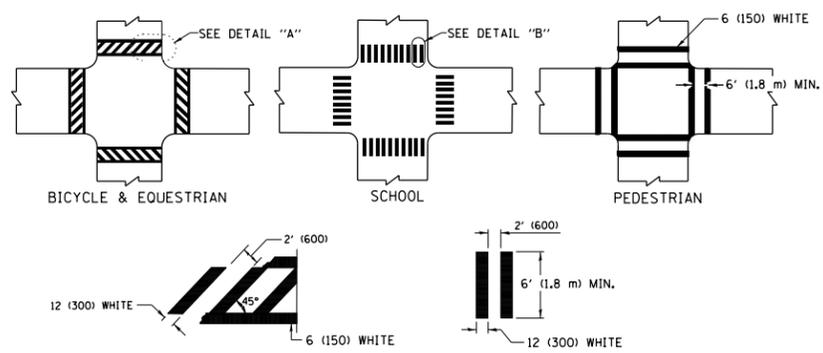


MULTI-LANE UNDIVIDED



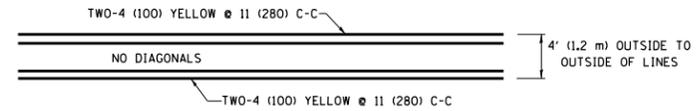
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

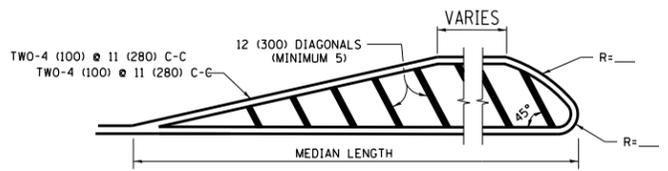


TYPICAL CROSSWALK MARKING

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

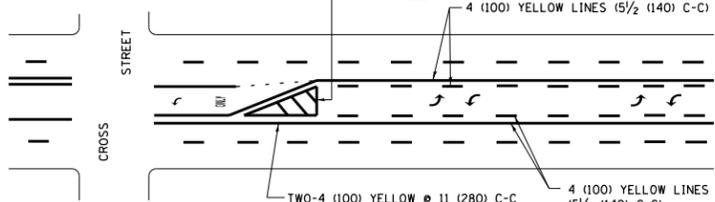


4' (1.2 m) WIDE MEDIANS ONLY



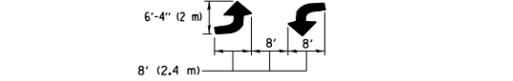
MEDIANS OVER 4' (1.2 m) WIDE

DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

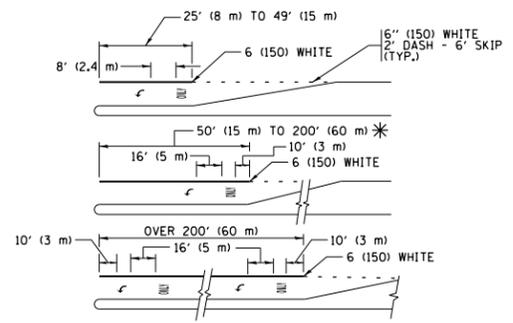


**MEDIAN WITH TWO-WAY LEFT TURN LANE
TYPICAL PAINTED MEDIAN MARKING**

A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.

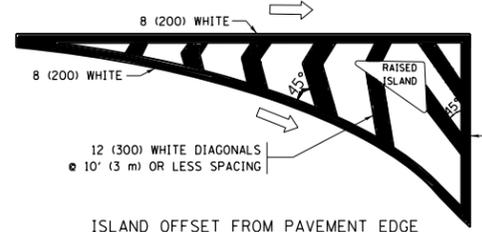


TYPICAL LEFT (OR RIGHT) TURN LANE MARKING

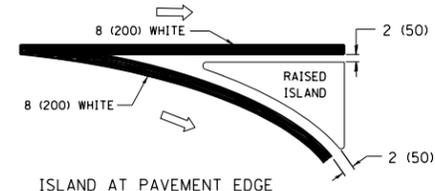


FULL SIZE LETTERS 8" (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

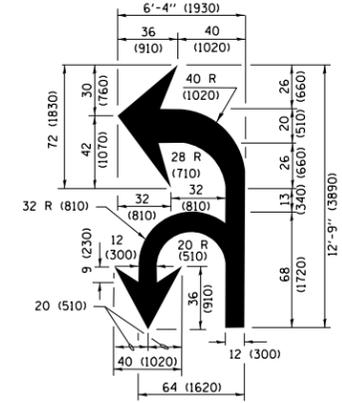
TYPICAL TURN LANE MARKING



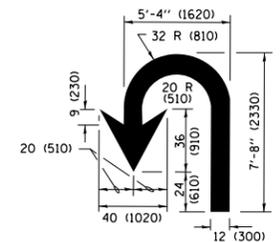
ISLAND OFFSET FROM PAVEMENT EDGE



**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	5/2 (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; 5/2 (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 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 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
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' (25 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 = lababidm	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
pw\planroom.dot\illinois.gov\PWIDOT\Documents\1007\Offices\District 1\Projects\010006\PLAN\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 = 3/12/2019		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. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2018-080-GR	VARIOUS	23	20
TC-13		CONTRACT NO. 62H10		
ILLINOIS FED. AID PROJECT				

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

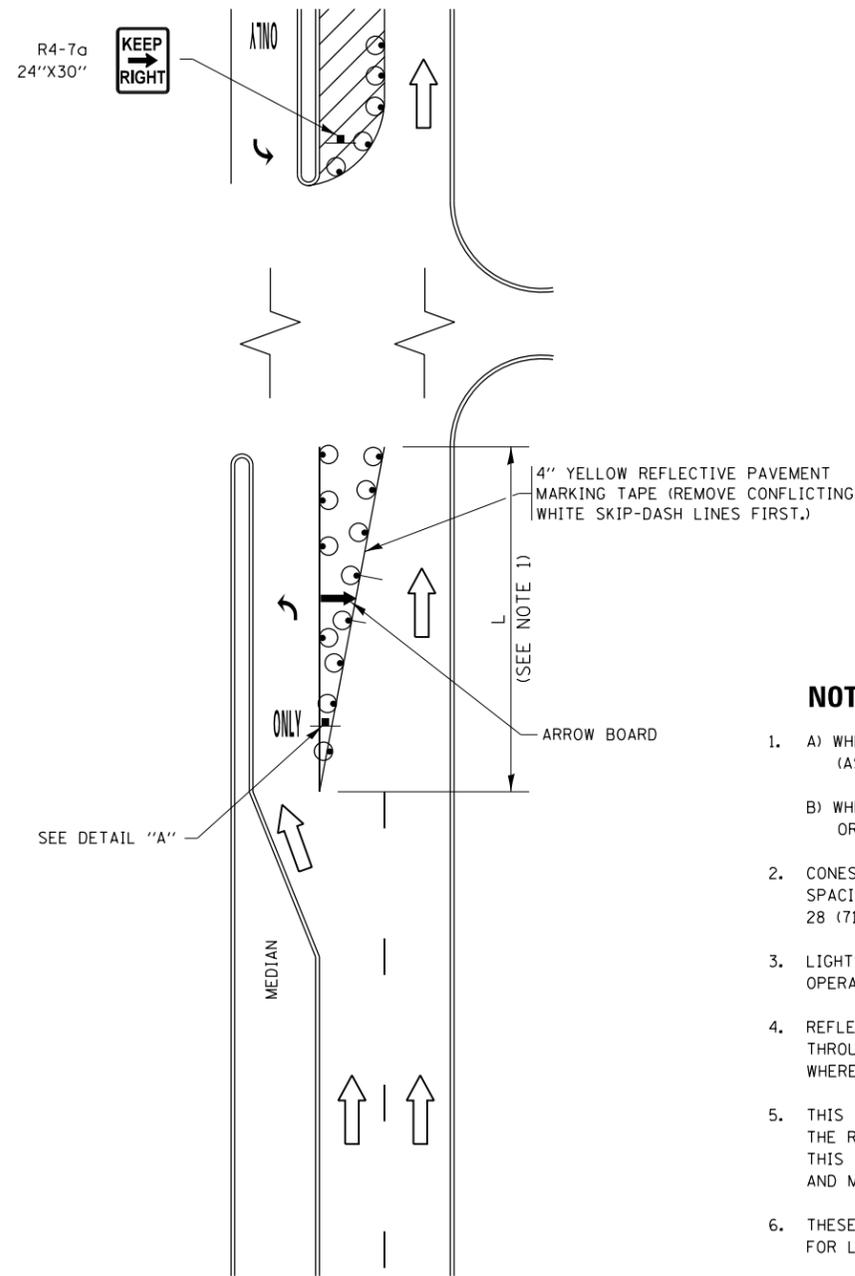


FIGURE 1

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

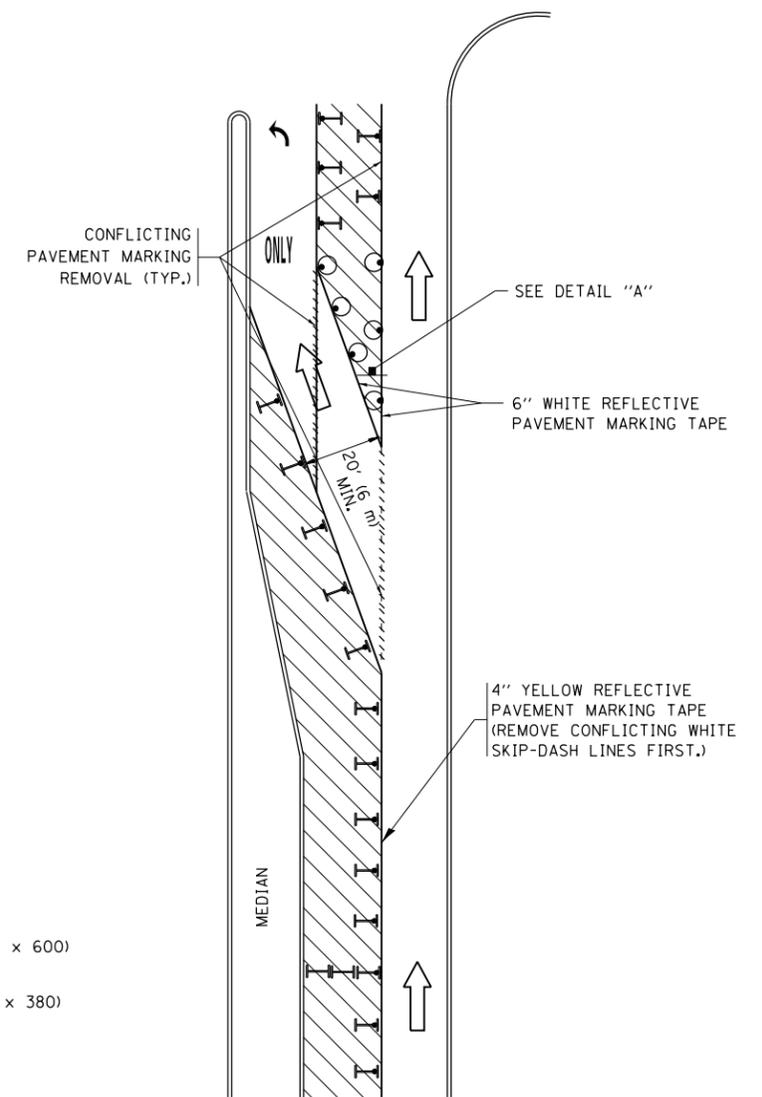
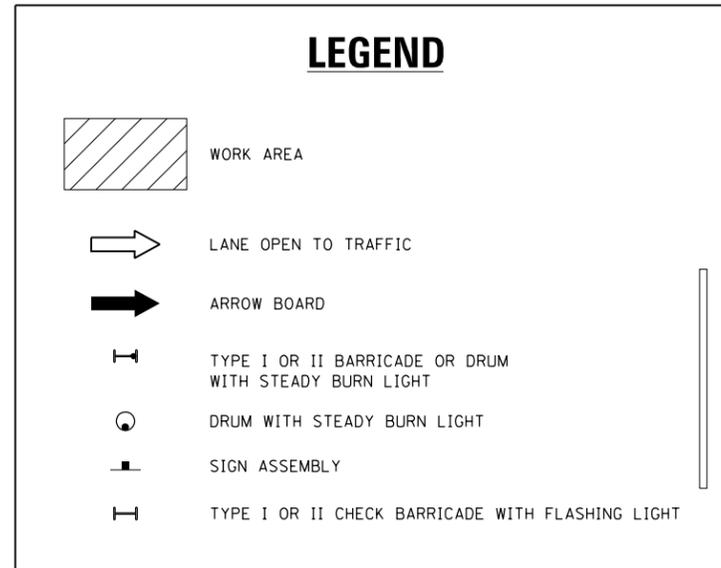
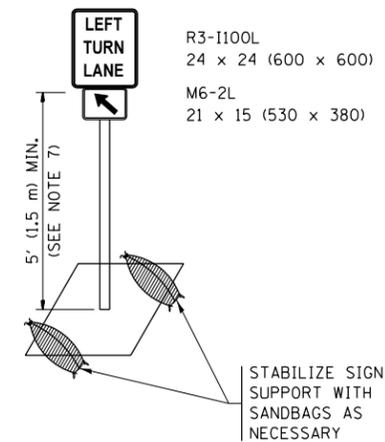


FIGURE 2



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.

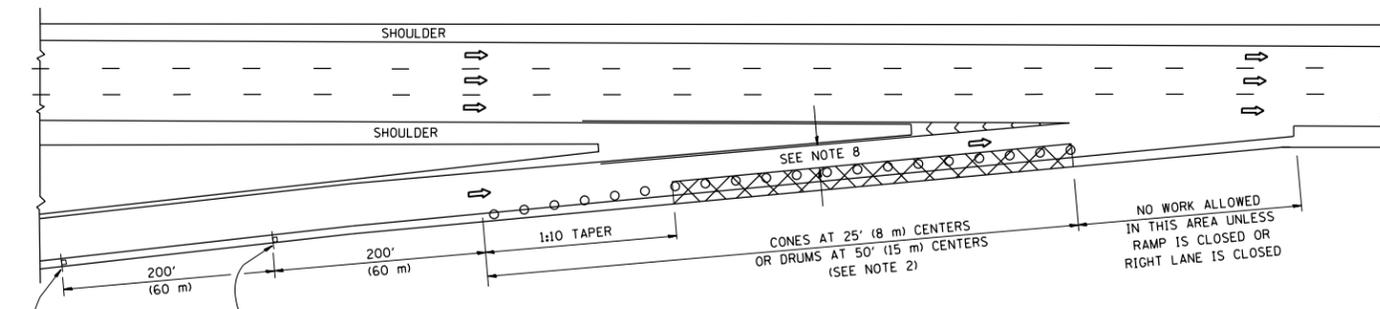


DETAIL A

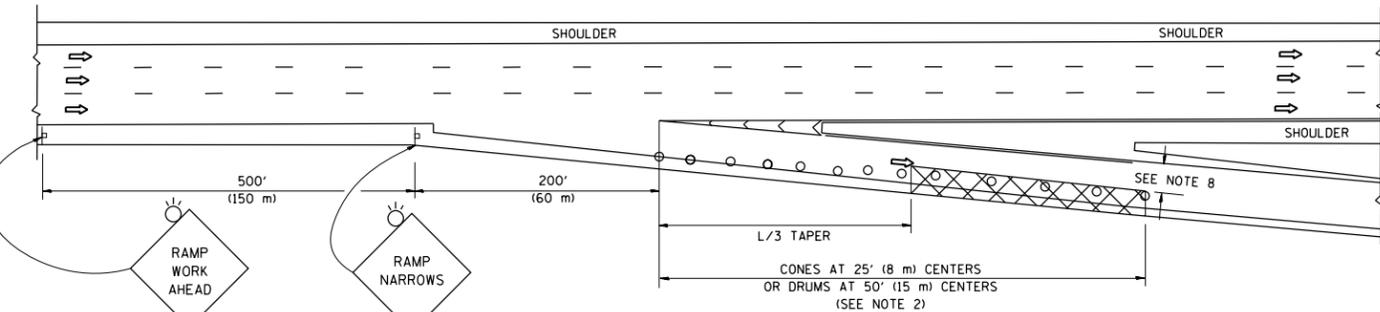
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = lababidm	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.
pw:\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\010061\REVISED Design\010061\010061.DWG	REVISED - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13	REVISED - A. SCHUETZE 09-15-16					VAR	2018-080-GR	VARIOUS	23	21
Default	PLOT SCALE = 100.0000' / in.	REVISED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16		TC-14			CONTRACT NO. 62H10				
	PLOT DATE = 3/12/2019	REVISED - T. RAMMACHER 01-06-00	REVISED -		SCALE: NONE	SHEET 1	OF 1 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

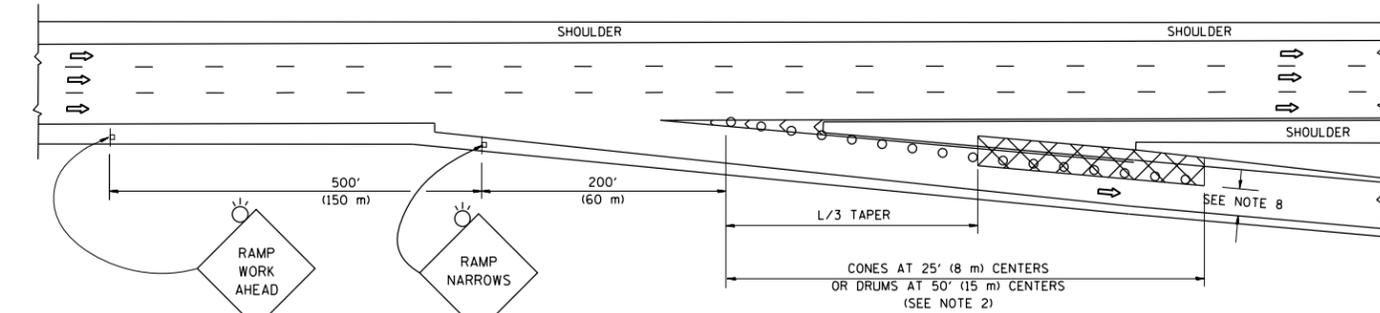
PARTIAL RAMP CLOSURE DETAILS



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
- CONE, DRUM OR BARRICADE
- IMPACT ATTENUATOR OF TYPE AND TEST LEVEL SPECIFIED

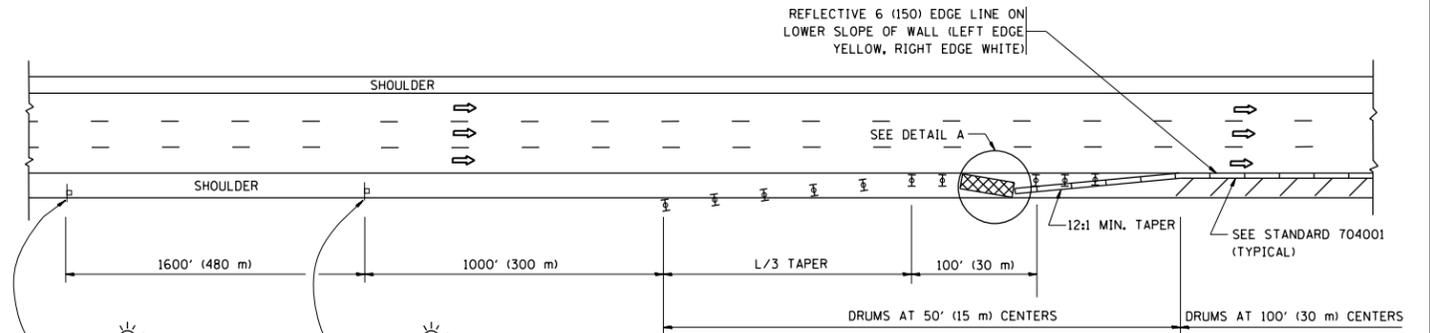
GENERAL NOTES

1. THE "L" DISTANCE EQUALS:

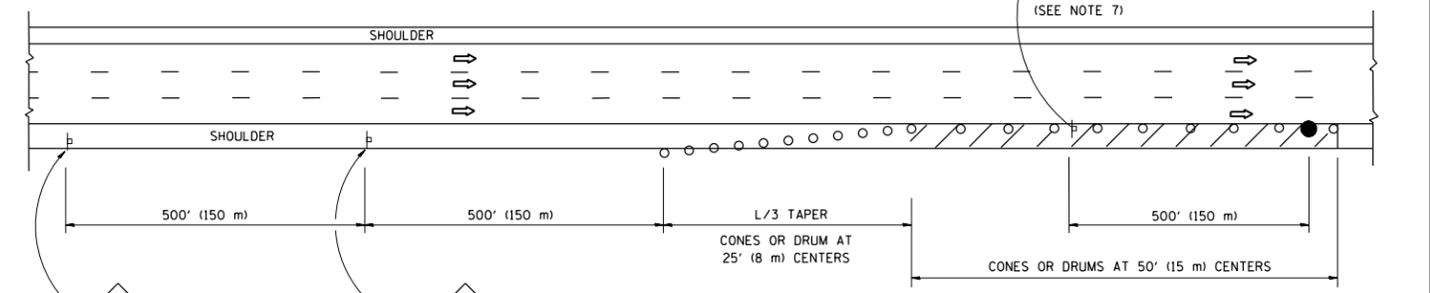
SPEED LIMIT	FORMULAS
45 mph (80 km/h)	METRIC ENGLISH
OR GREATER:	$L=0.65(W)(S)$ $L=(W)(S)$

W = WIDTH OF OFFSET IN FEET (METERS)
 S = NORMAL POSTED SPEED MPH (KM/H)
2. TYPE II BARRICADES OR DRUMS ARE REQUIRED FOR ALL NIGHTTIME CLOSURES. TYPE II BARRICADES OR DRUMS WITH MONODIRECTIONAL STEADY BURN LIGHTS ARE REQUIRED FOR DELINEATING OBSTACLES, EXCAVATIONS, OR HAZARDS EXCEEDING 100 FT (30m) IN LENGTH AT NIGHT.
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

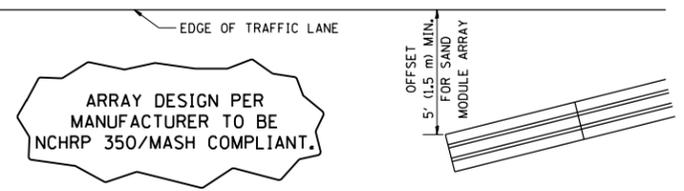


PERMANENT SHOULDER CLOSURE



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.

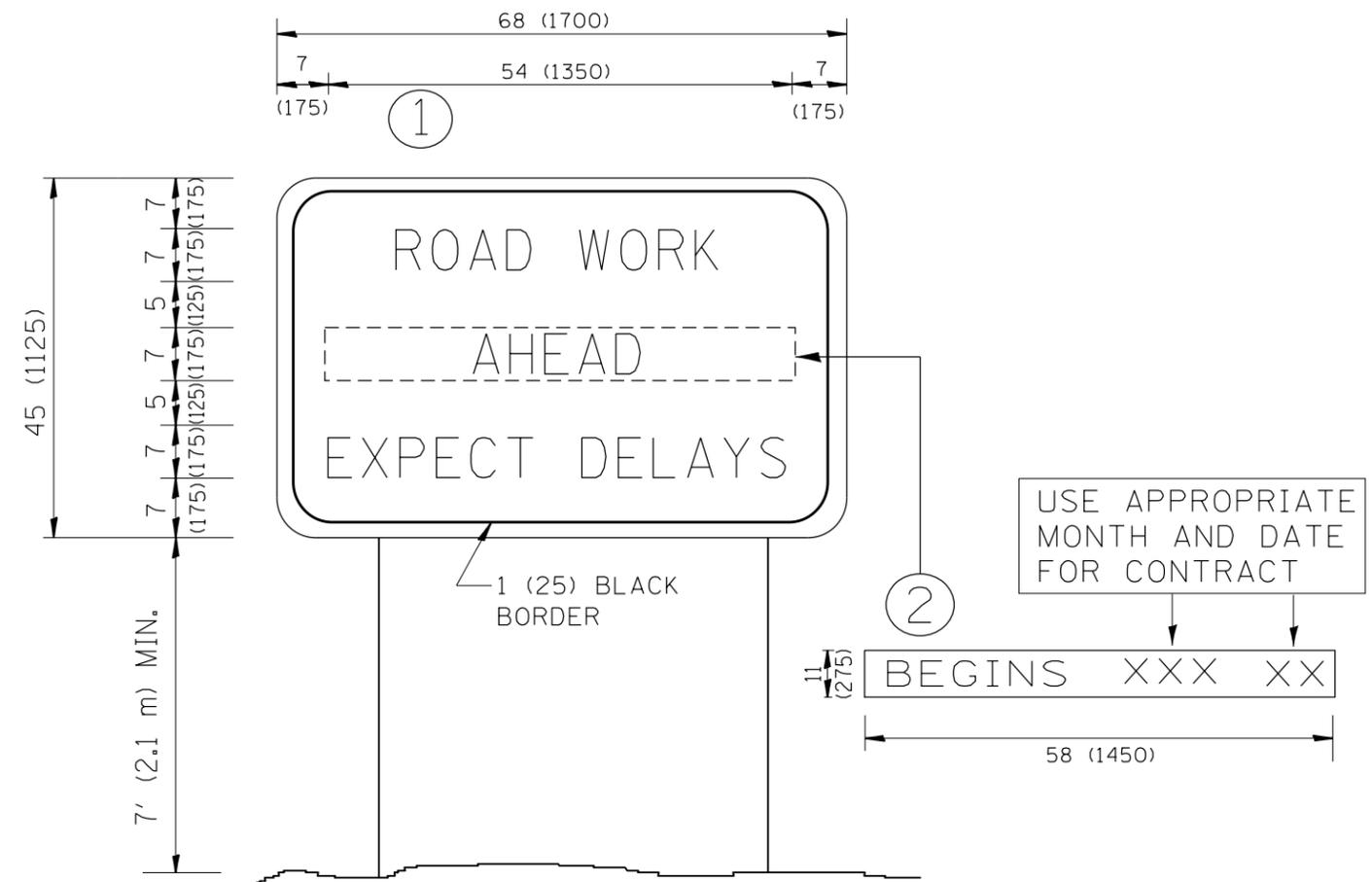


DETAIL "A"
 IMPACT ATTENUATOR, TEMPORARY
 (SEE NOTE 5)

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 = lababidm	DESIGNED -	REVISED - S.P.B. 01-07	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\planroom.dot.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\010061\Drawings\Design\DWG\	PLANNED BY	DESIGNED BY	REVISED - S.P.B. 12-09			VAR	2018-080-GR	VARIOUS	23	22
Default	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - M.D. 06-13			TC-17		CONTRACT NO. 62H10		
	PLOT DATE = 3/12/2019	DATE - 11-96	REVISED - M.D. 01-18			SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.	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 = lababidm	DESIGNED -	REVISED - R. MIRS 09-15-97
pw:\planroom.dot\illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\010061\DRAWING\Design\DistStd.dgn		DRAWN -	REVISED - R. MIRS 12-11-97
	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
	PLOT DATE = 3/12/2019	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD
INFORMATION SIGN**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2018-080-GR	VARIOUS	23	23
TC-22		CONTRACT NO. 62H10		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				