

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED
HIGHWAY PLANS

FAP ROUTE 303 (IL 173)
VARIOUS LOCATIONS
GUARDRAIL
SECTION: 2007-050 GRR
PROJECT: ACHSIP-0303(037)
LAKE COUNTY
C-91-012-08

F.A.P. RITE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	2007-050 GRR	LAKE	13	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 60D40		

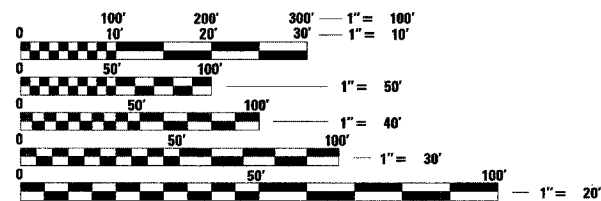
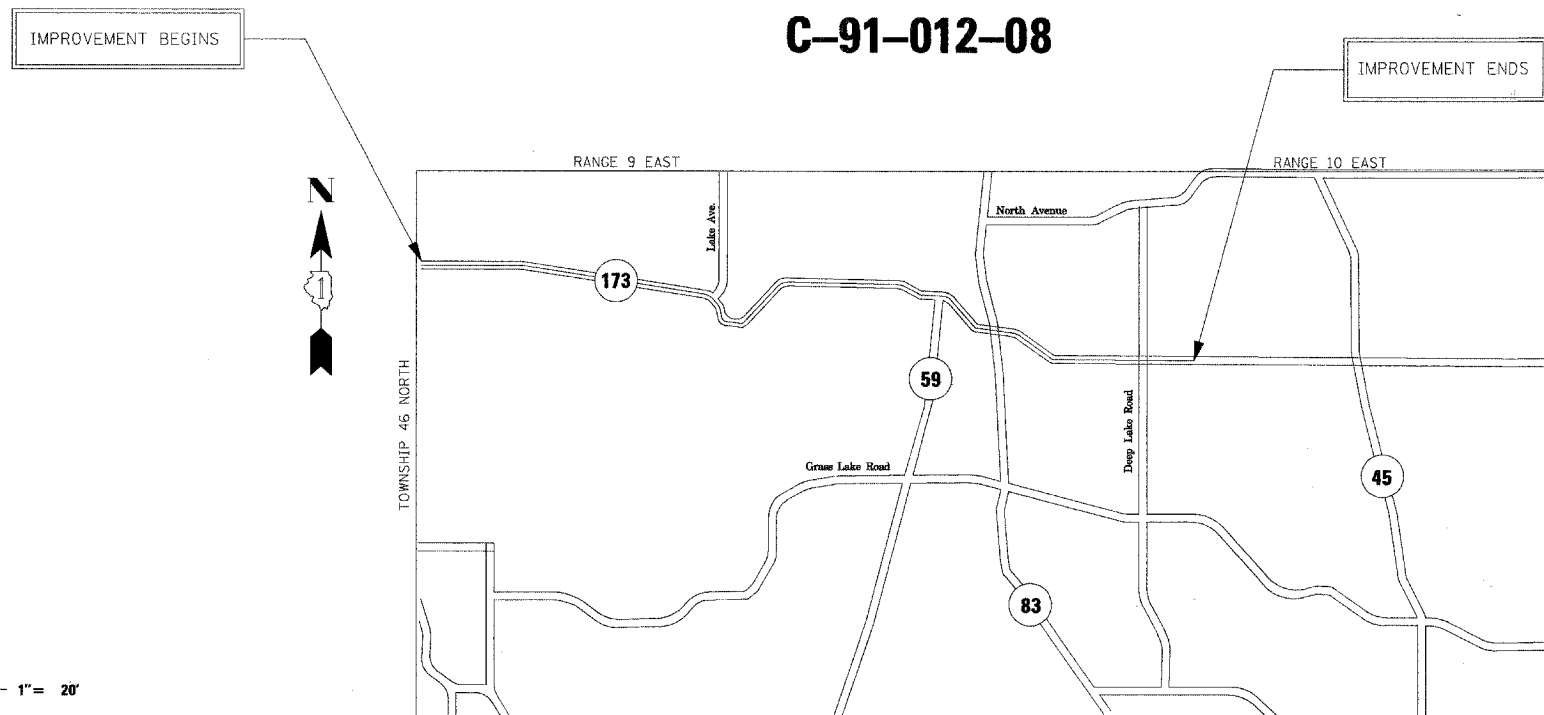
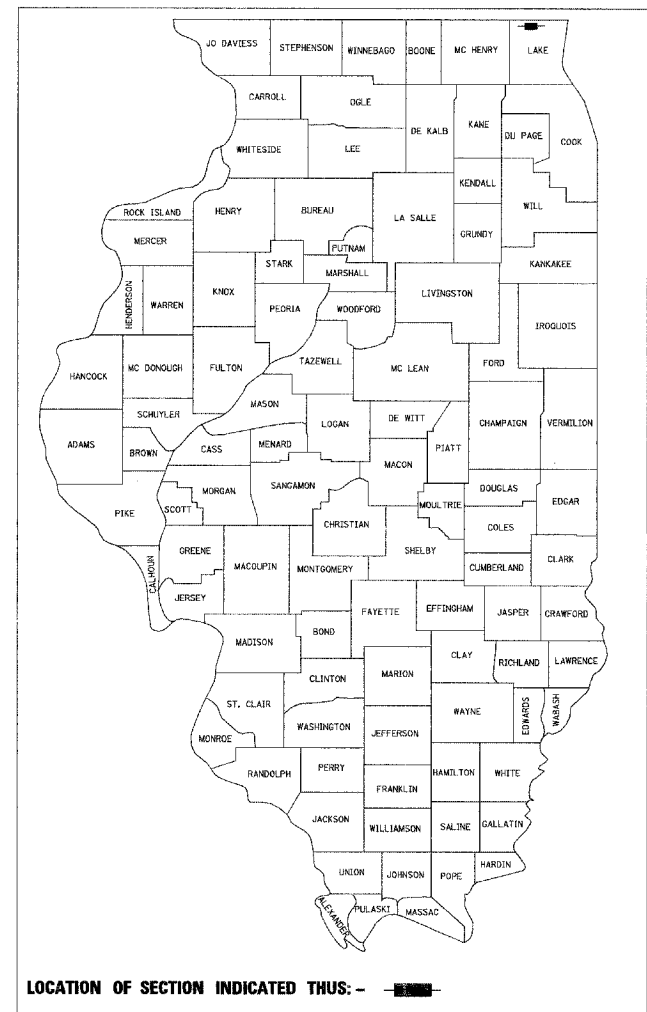
13
+ 2
15

FOR INDEX OF SHEETS, SEE SHEET NO. 2

TRAFFIC DATA

EXISTING ADT = 7,400 TO 13,000 (2005)
SPEED LIMIT = 30 TO 55 MPH

THE IMPROVEMENT IS LOCATED WITHIN THE VILLAGE OF ANTIOCH AND THE VILLAGE OF FOX LAKE IN LAKE COUNTY



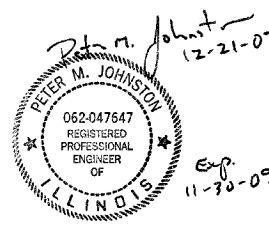
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: PETER JOHNSTON (GAS) 773-399-0112
PROJECT MANAGER: KEN ENG (IDOT) 847-705-4247

CONTRACT NO. 60D40

ANTIOCH TOWNSHIP
NOT TO SCALE
GROSS AND NET LENGTH OF IMPROVEMENT: 43,800 FT (8.3 MILES)



GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Road, Suite 280
Chicago, Illinois 60631
(773) 399-0112

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED DEC 26 20 07

Don O'K
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER
February 1, 20 08

Eric E. Harrel
Interim ENGINEER OF DESIGN AND ENVIRONMENT
February 1, 20 08

Christine M. Reed
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS

INDEX OF SHEETS

1	COVER SHEET
2	INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES
3	SUMMARY OF QUANTITIES
4	SCHEDULE OF QUANTITIES
5-13	ROADWAY PLAN
13A	DETAILS FOR STEEL PLATE BEAM GUARDRAIL ADJACENT TO CURB AND GUTTER, STABILIZATION AT TBT TY 1 SPL.
13B	ARTERIAL ROADINFORMATION SIGN

STATE STANDARDS

STD. NO.	DESCRIPTION
000001-05	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
630001-07	STEEL PLATE BEAM GUARDRAIL
630101-07	GUARDRAIL MOUNTED ON EXISTING CULVERTS
631011-04	TRAFFIC BARRIER TERMINAL, TYPE 2
701006-02	OFF-ROAD OPERATIONS, 2L, 2W, 4.5m (15') TO 600mm (24") FROM PAVEMENT EDGE
701901	TRAFFIC CONTROL DEVICES

GENERAL NOTES

- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT 800-892-0123 OR "CUAN" (CHICAGO UTILITY ALERT NETWORK), 312-744-7000 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES. (48 HOUR NOTIFICATION IS REQUIRED).
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE VILLAGES OF ANTIOCH AND FOX LAKE.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- BARRICADES: THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO (2) WEIGHTED SANDBAGS ON EACH TYPE I OR TYPE II BARRICADE USED - ONE (1) WEIGHTED SANDBAG ACROSS EACH BOTTOM RAIL.



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CHICAGO, ILLINOIS

FILE NAME =	USER NAME = .USER.	DESIGNED - MW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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	PLOT DATE = 1/7/2008	DATE - 12/03/2007	REVISED -			SCALE: N.T.S.	SHEET NO. 2 OF 13 SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT

SUMMARY OF QUANTITIES

URBAN
90% FED.
10% STATE

PAY ITEM NUMBER	PAY ITEM	UNITS	TOTAL QUANTITY	ROADWAY SFTY-4A
20200600	EXCAVATING AND GRADING EXISTING SHOULDER	UNIT	44	44
20400800	FURNISHED EXCAVATION	CU YD	117	117
21001000	FABRIC FOR GROUND STABILIZATION <i>(GEOTECHNICAL)</i>	SQ YD	2,265	2,265
25100630	EROSION CONTROL BLANKET	SQ YD	416	416
48101500	AGGREGATE SHOULDERS, TYPE B 6"	SQ YD	2,265	2,265
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	27	27
63000000	STEEL PLATE BEAM GUARDRAIL, TYPE A	FOOT	413	413
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	3	3
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	50	50
63200310	GUARDRAIL REMOVAL	FOOT	2,774	2,774
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	4	4
67100100	MOBILIZATION	L SUM	1	1
70101800	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1
78200410	GUARDRAIL MARKERS, TYPE A	EACH	153	153
78201000	TERMINAL MARKERS - DIRECT APPLIED	EACH	50	50
X0322256	TEMPORARY INFORMATION SIGNING	SQ FT	106	106
X2503100	MOWING <i>AND</i>	UNIT	241	241
X6330100	REMOVE / RE-ERECT TRAFFIC BARRIER TERMINAL, TYPE 1 SPECIAL	EACH	1	1
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1
X0325917	TURF ESTABLISHMENT	SQ YD	416	416

⊙ 100% STATE
X SPECIALTY ITEMS



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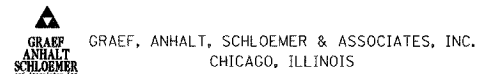
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	PLOT DATE = 1/8/2008	DATE - 12/03/2007	REVISED -			SCALE: N.T.S.	SHEET NO. 3 OF 13 SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT

1/6/08

SCHEDULE OF QUANTITIES

LOCATION	EXCAV. GRADING SHOULDER UNIT=100'	AGG. SHLDRS, TYPE B, 6" SQ. YD.	AGG. WEDGE, TYPE B TON	GUARDRAIL, TYPE A FOOT	TBT, TYPE 2 EACH	TBT, TYPE 1, SPL (TANGENT) EACH	GUARDRAIL REMOVAL FOOT	REMOVE & RE-ERECT TBT TY 1 SP EACH	EARTH EXCAVATION CU YD	EMBANKMENT CU YD	FURNISHED EXCAVATION CU YD	MOWING UNIT	TURF ESTABLISHMENT SQ YD	EROSION CONTROL BLANKET SQ YD	FABRIC FOR GROUND STABILIZATION SQ YD
1 N	1.35	76	2.4			2	86			15.7	15.7	12	52	52	76
1 S	2.15	118	3.1	50		2	121			12.1	12.1	16	63	63	118
2				37.5	1		50								
3 N	2.05	77		37.5		2	113			6.7	6.7	9	24	24	77
3 S	2.05	112	3.0	37.5		2	106		0.4	5.2	4.9	11	9	9	112
4	2.29	126	5.7	112.5	1		76	1	3.2	12.4	9.7	17	59	59	126
5	0.84	49				1	50					4			49
6	0.84	33				1	50			1.7	1.7	4	13	13	33
7	0.79	42				1	50			1.7	1.7	5	8	8	42
8	0.77	58		25	1	1	75			16.1	16.1	10	56	56	58
9	0.84	35				1	50			2.6	2.6	4	5	5	35
10 N	0.84	58				1	50					5			58
10 S	1.70	62		50		2	151			9.7	9.7	7	13	13	62
11	0.84	30				1	50					3			30
12	0.84	36				1	50					3			36
13	0.63	31				1	50					3			31
14 N	0.79	31				1	50			3	3	3	5	5	31
14 S	1.68	61				2	102					5			61
15 N	1.89	83		50		2	144					7			83
15 S	0.93	46				1	50					4			46
16	0.84	45				1	50					4			45
17	0.60	38				1	50			8	8	8	56	56	38
18	0.50	23				1	50					2			23
19	0.50	26				1	50					2			26
20	1.04	61				2	88					5			61
21	2.16	138				2	94					12			138
22	0.60	38				1	39					3			38
23	0.67	40				1	50					4			40
24	0.84	35				1	50					3			35
25	0.94	47				1	50					4			47
26 N	1.44	60	2.1	12.5		1	81					5			60
26 S	1.86	89	2.9			2	101					8			89
27 N	0.90	40	1.4			1	50					4			40
27 S	0.96	49	1.4			1	50					4			49
28	0.84	33				1	50					3			33
29	0.96	48				1	50					4			48
30	1.68	91				2	97					8			91
31	0.76	59	1.0			1	50					5			59
32	0.56	54				1	50			24.9	24.9	10	53	53	54
33	0.90	45	2.6			1	50					4			45
34	0.62	42	1.5			1	50					4			42
TOTAL:	44	2,265	27	413	3	50	2,774	1	4	120	117	241	416	416	2,265

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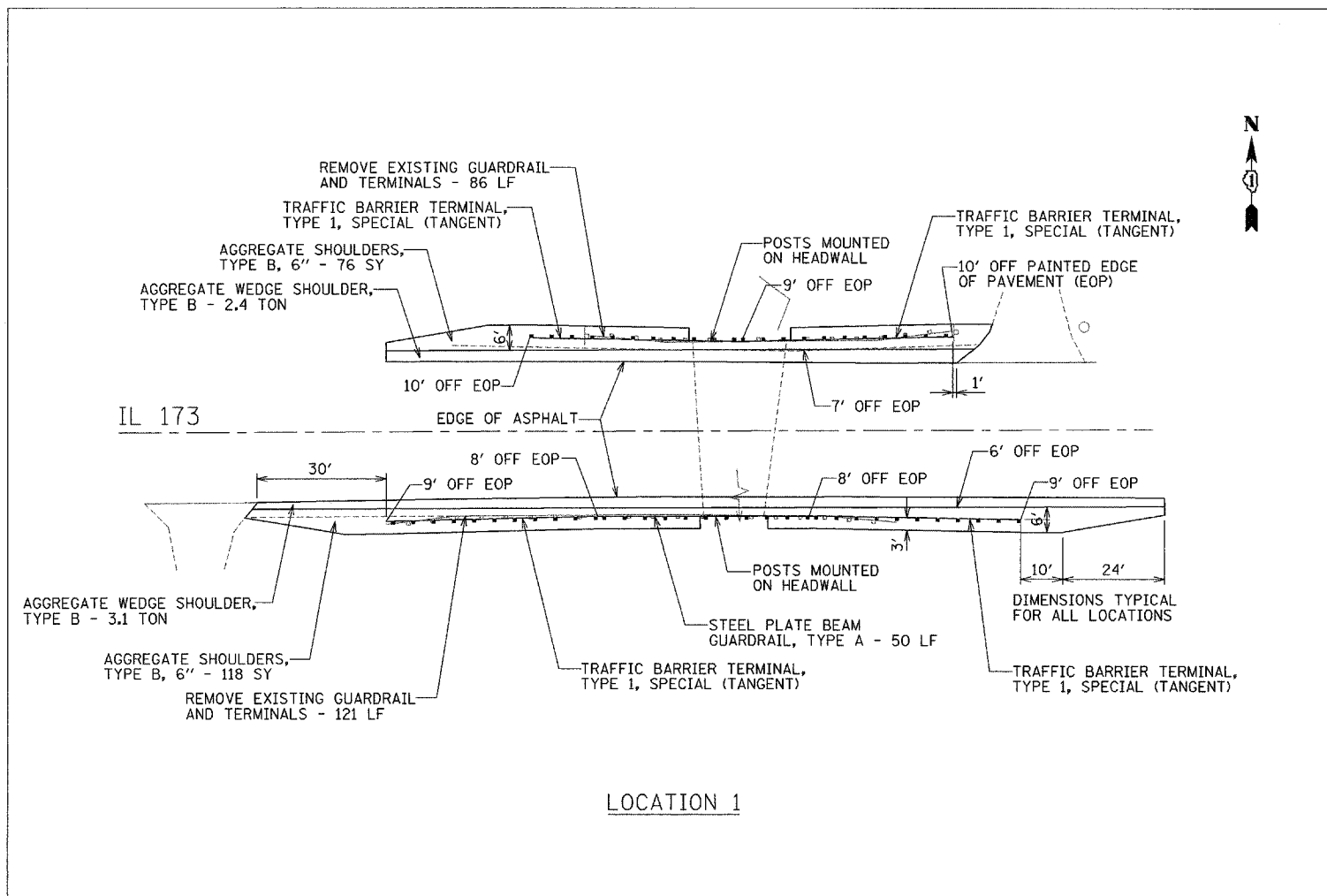
**STATE OF ILLINOIS
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SCHEDULE OF QUANTITIES

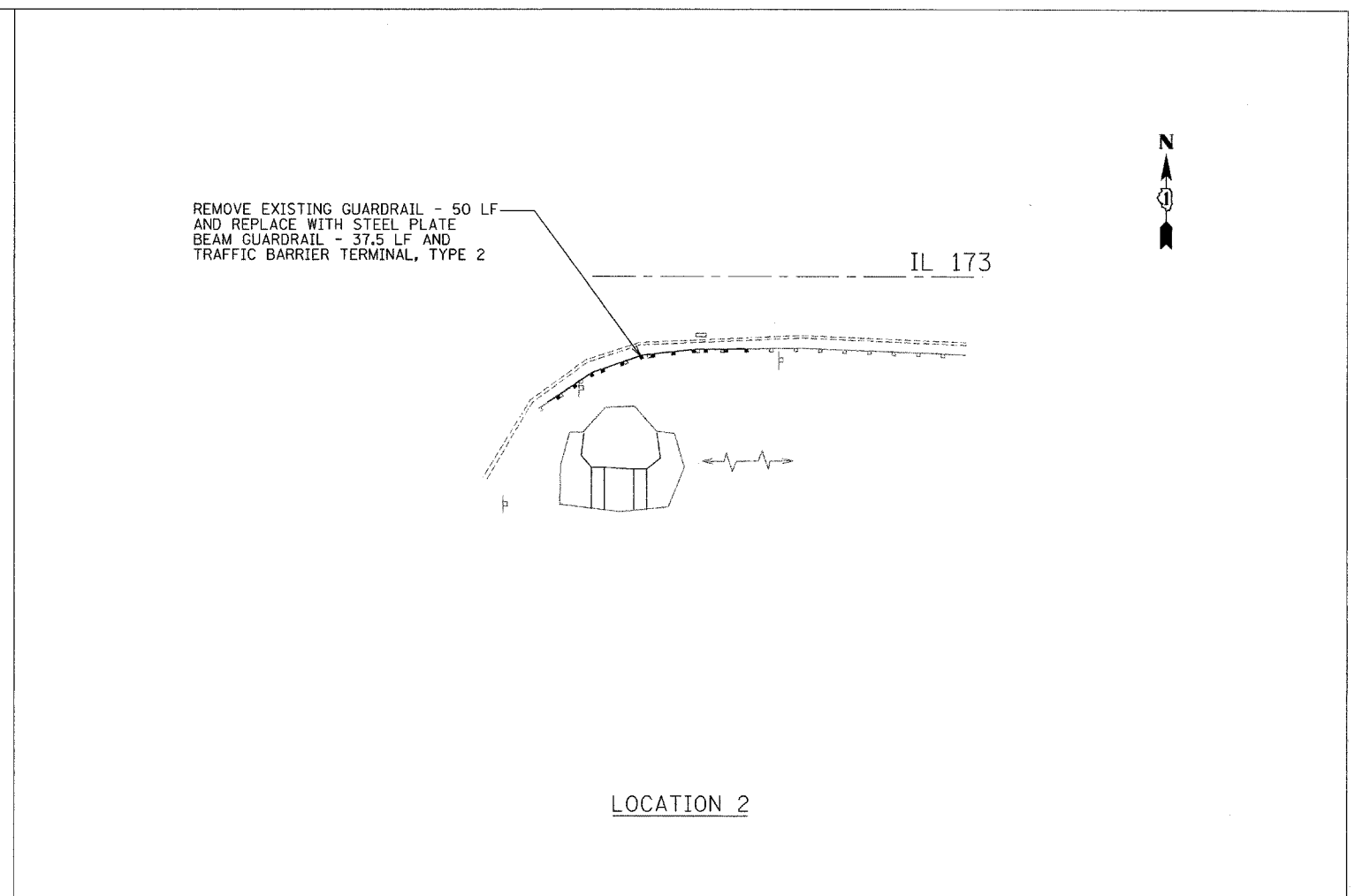
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		CONTRACT NO. 60D40		

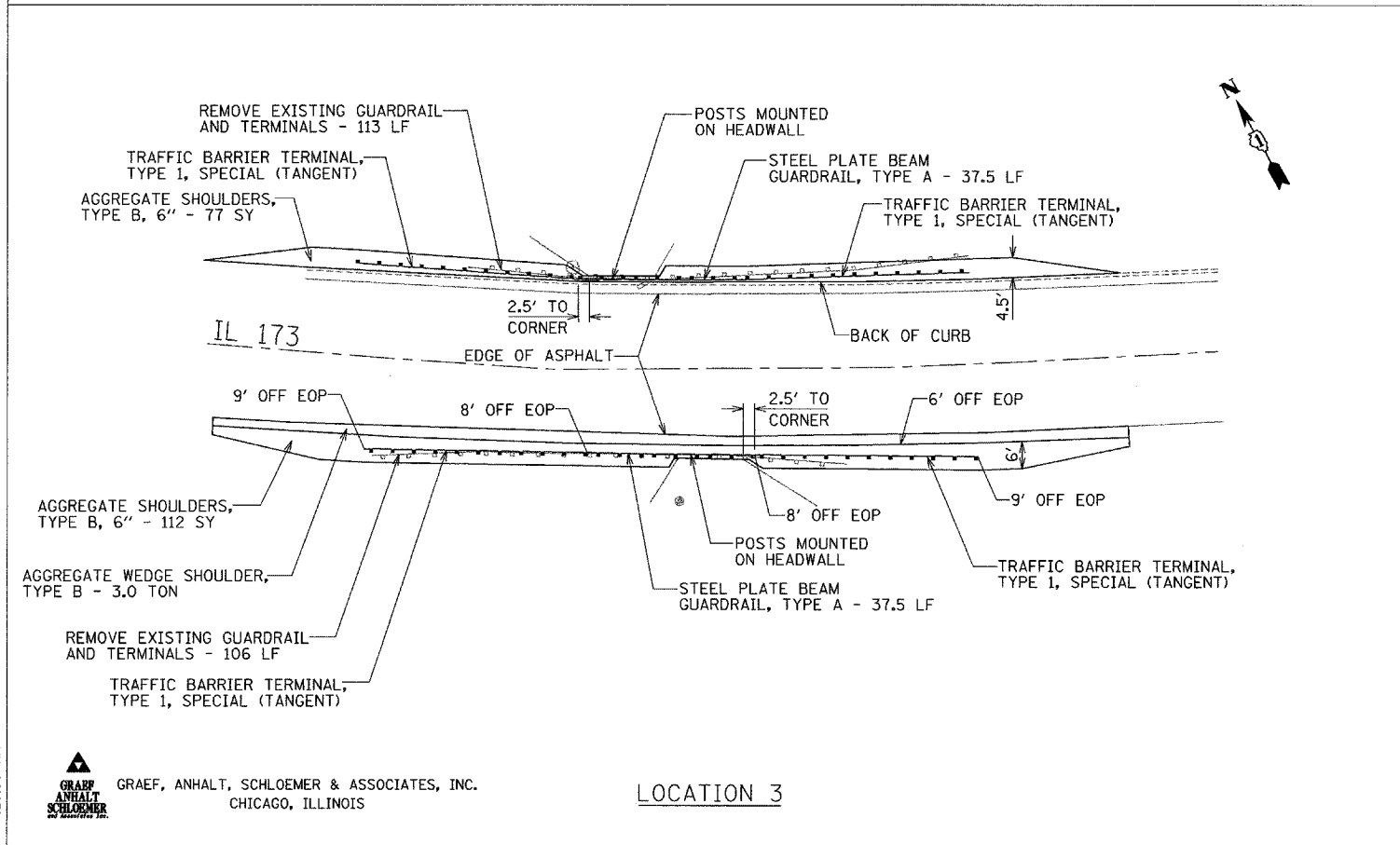
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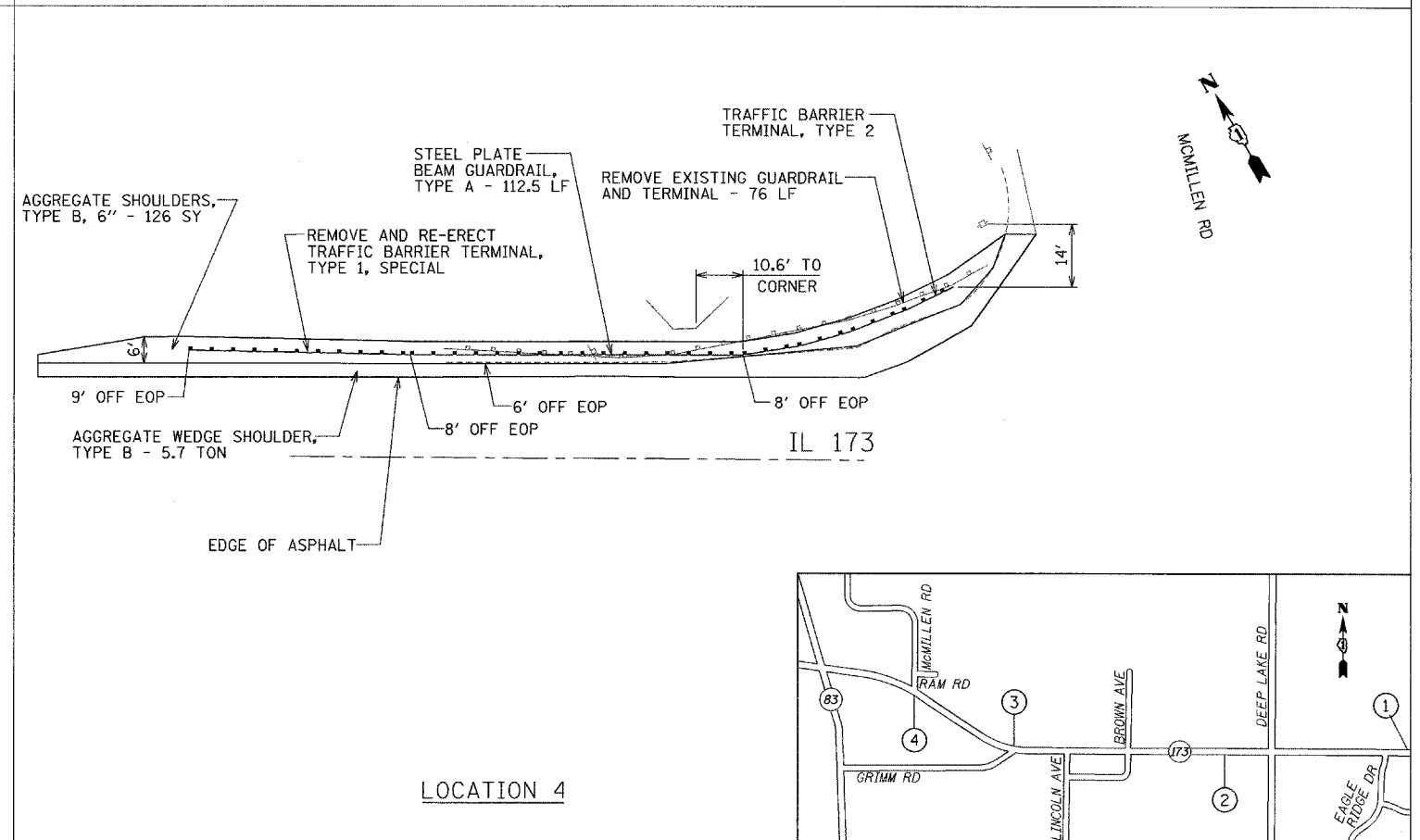
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LOCATION 2




LOCATION 3



LOCATION 4

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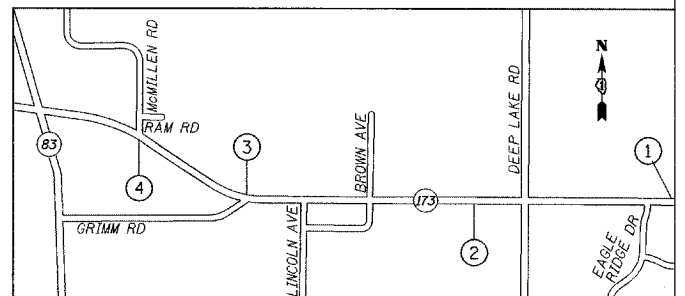

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DEPARTMENT OF TRANSPORTATION

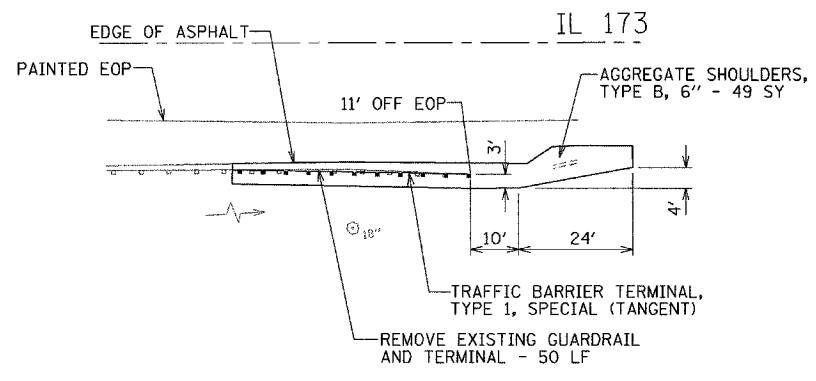
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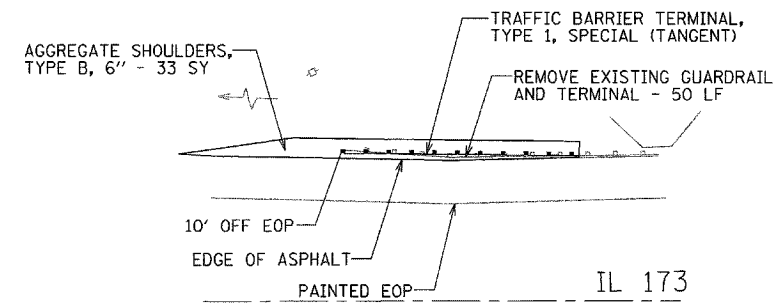
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			FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT		CONTRACT NO. 60D40		



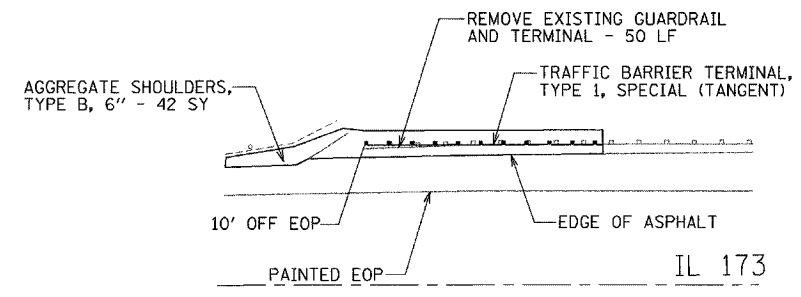
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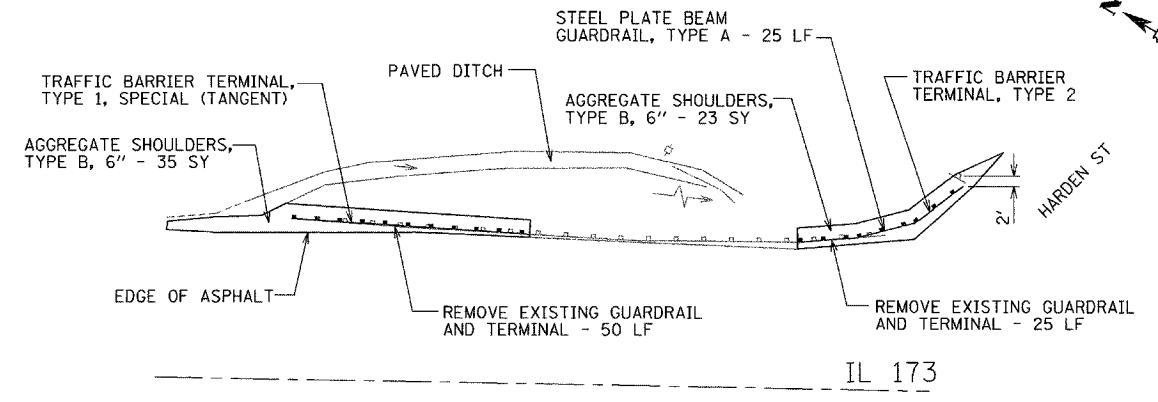
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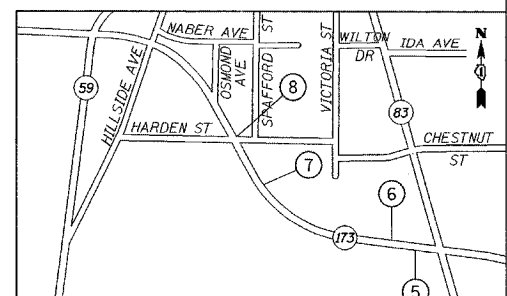
LOCATION 6



LOCATION 7



LOCATION 8



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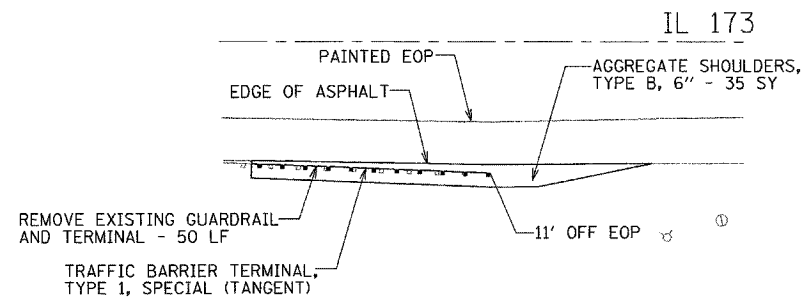
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN 2

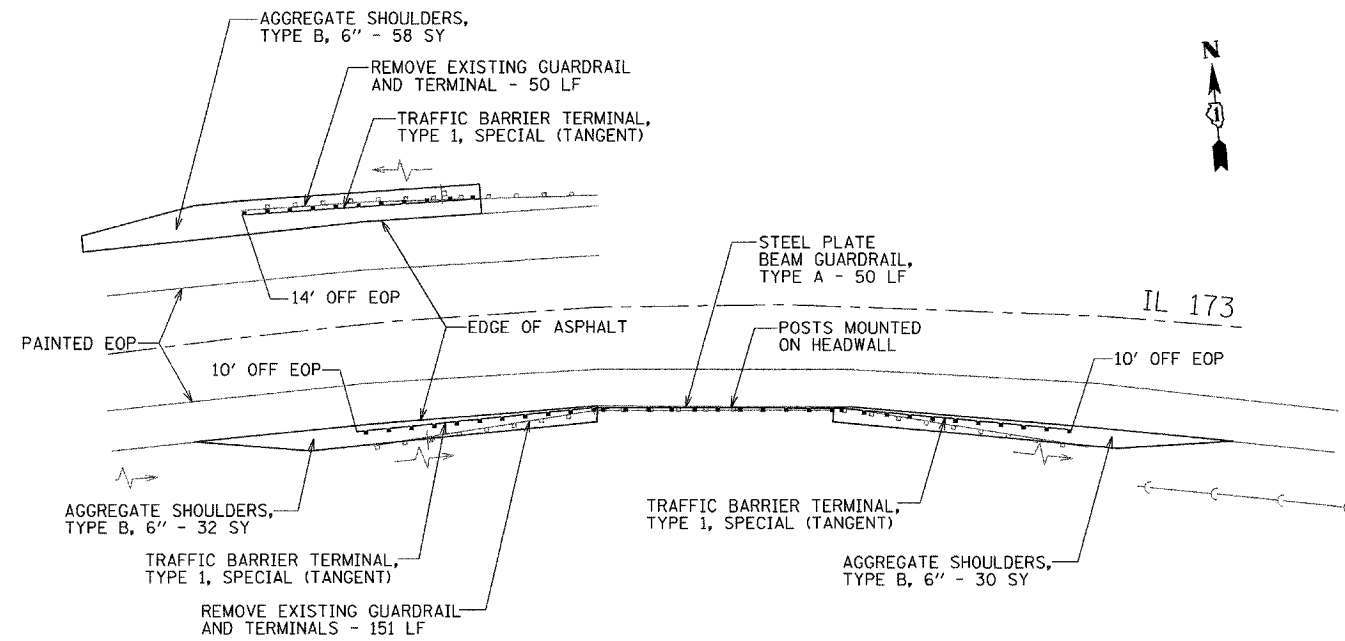
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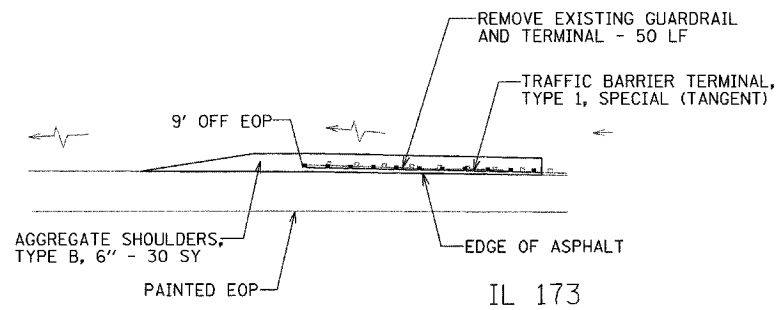
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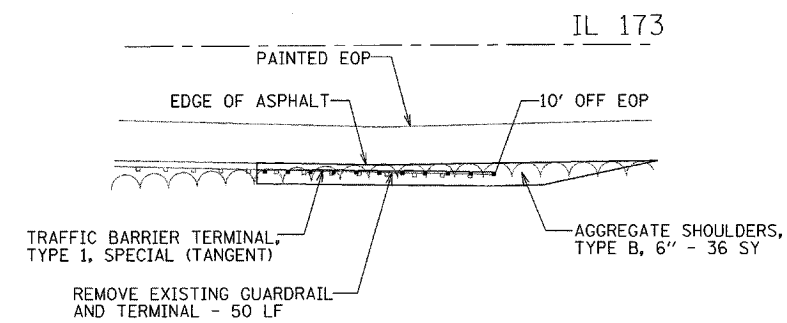
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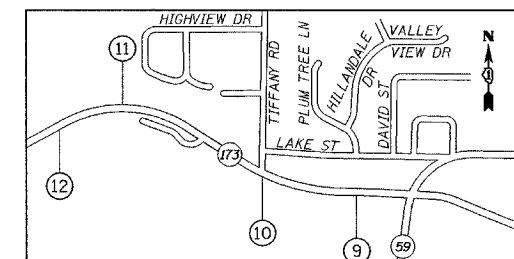
LOCATION 10




LOCATION 11



LOCATION 12



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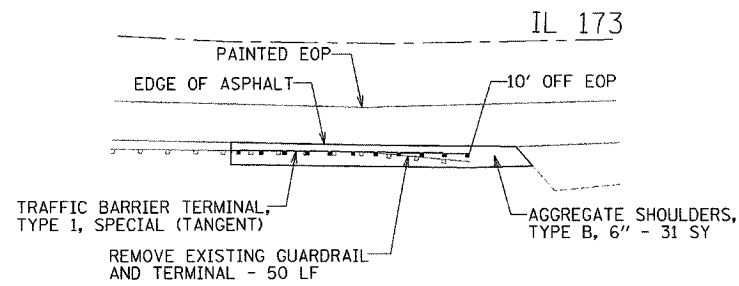
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STATE OF ILLINOIS
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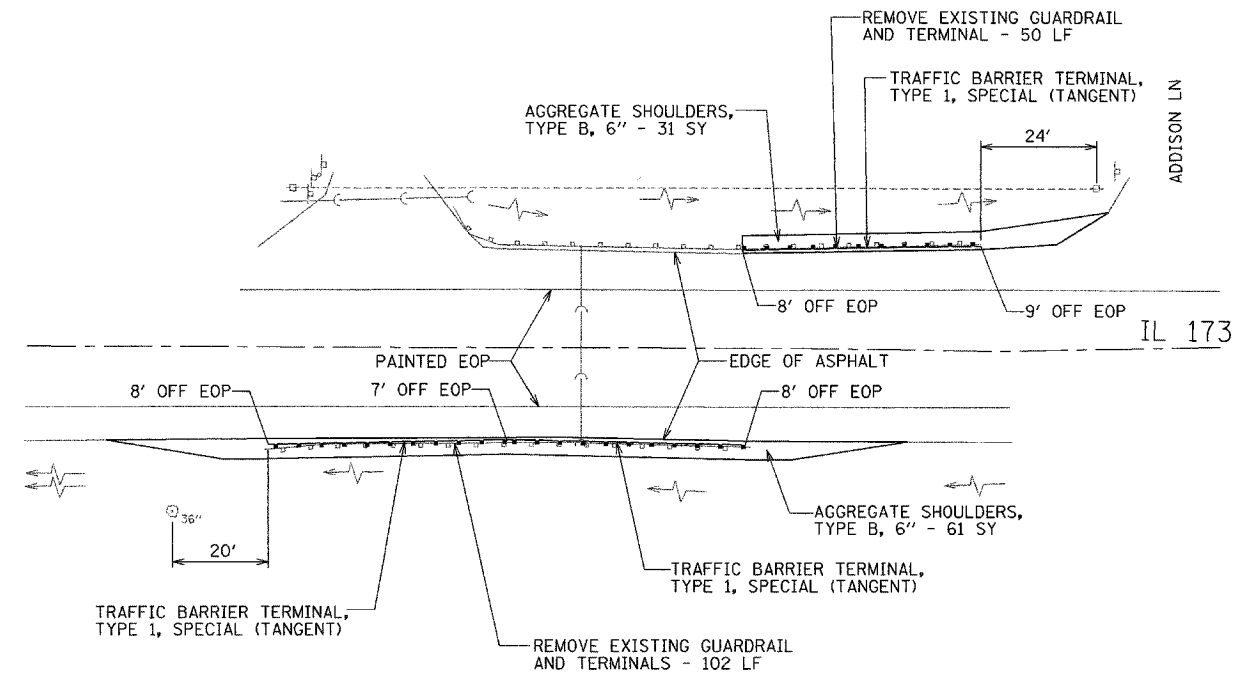
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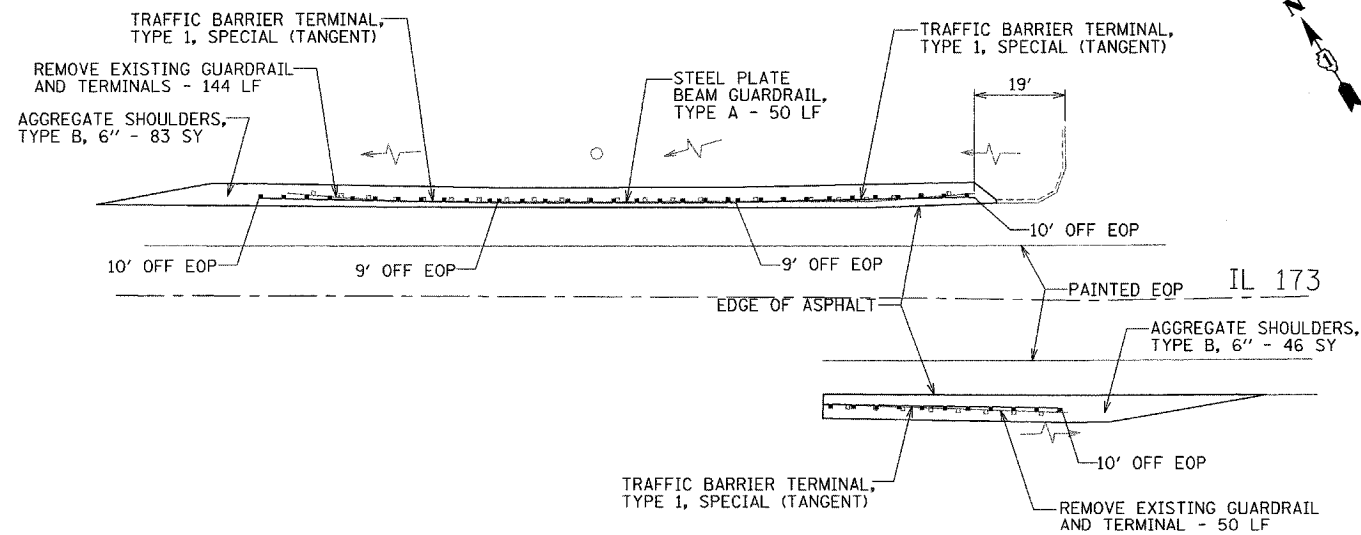
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FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60D40	



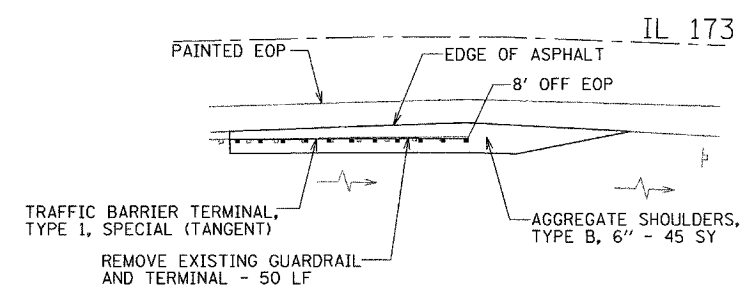
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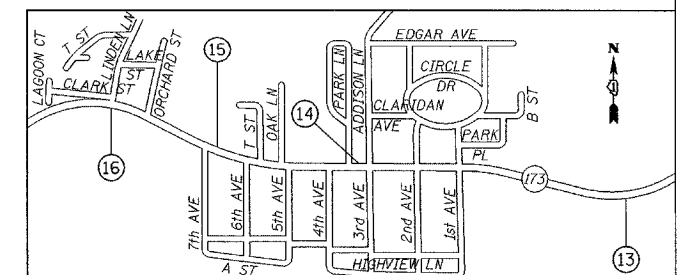
LOCATION 14




LOCATION 15



LOCATION 16



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 CHICAGO, ILLINOIS

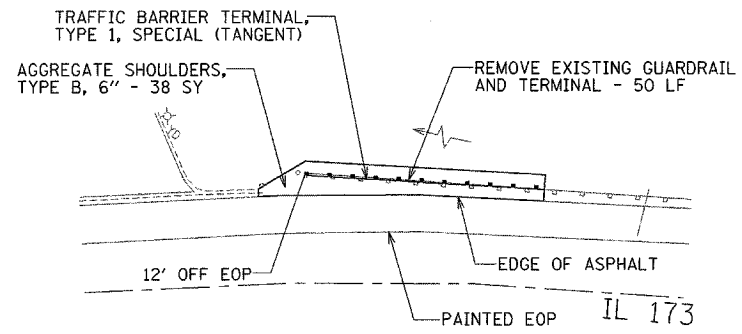
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

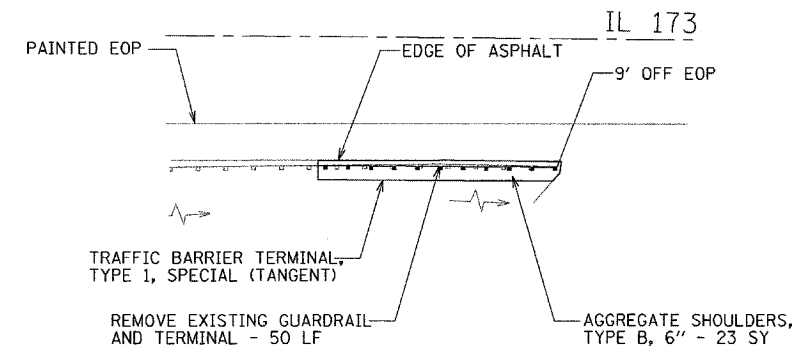
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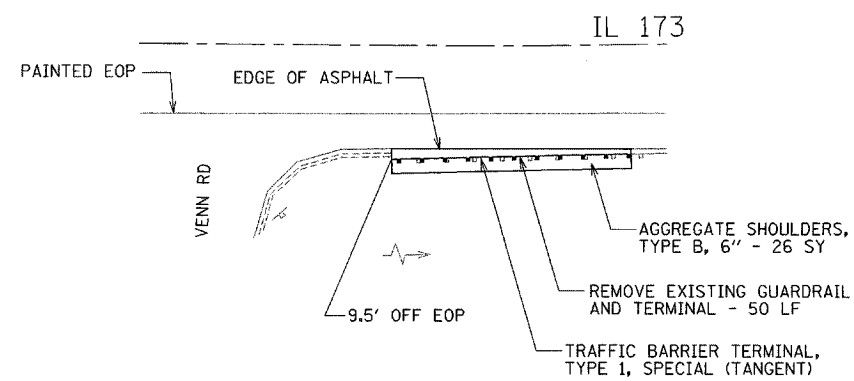
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FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60D40	



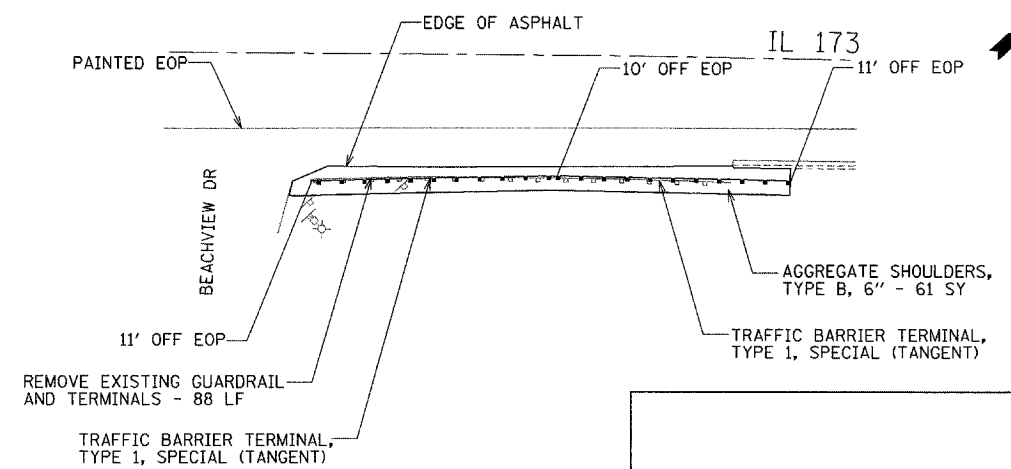
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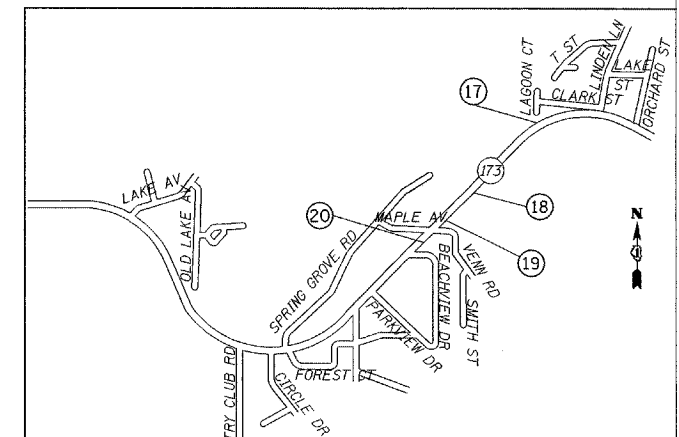
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LOCATION 19



LOCATION 20



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 CHICAGO, ILLINOIS

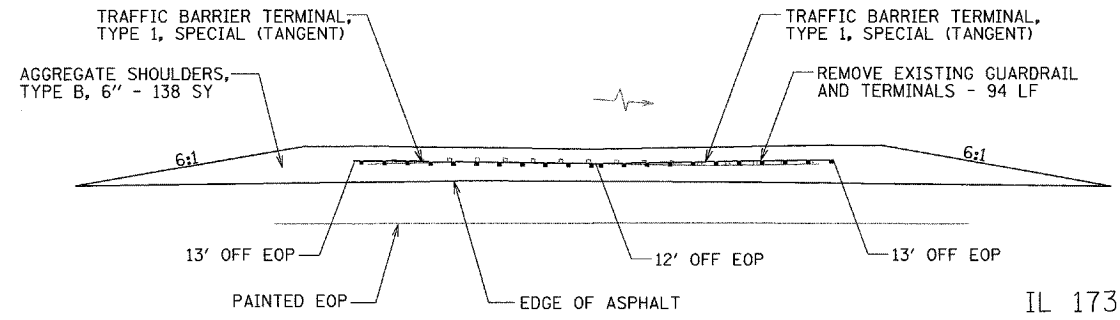
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN 5

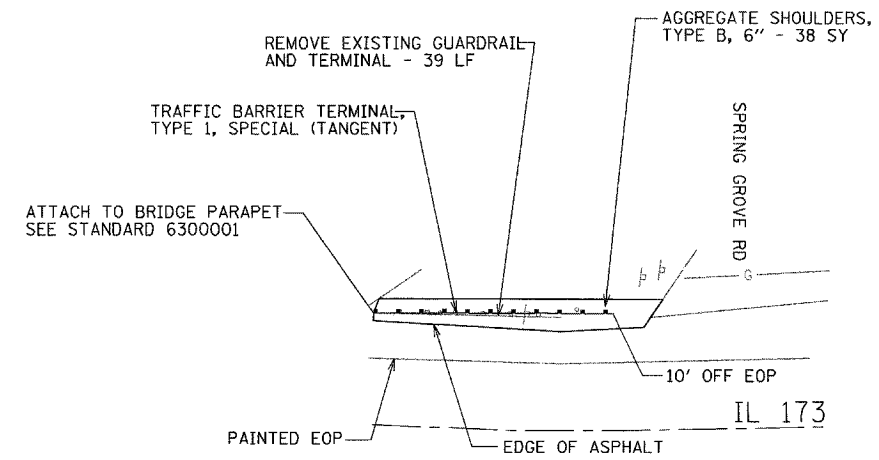
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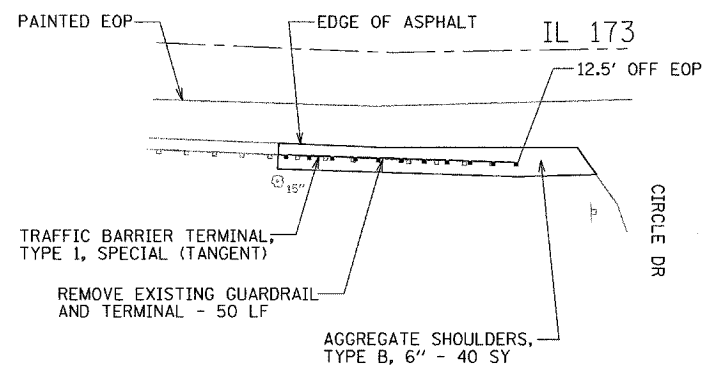
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303	2007-050 GRR	LAKE	13	9
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
	CONTRACT NO. 60D40			



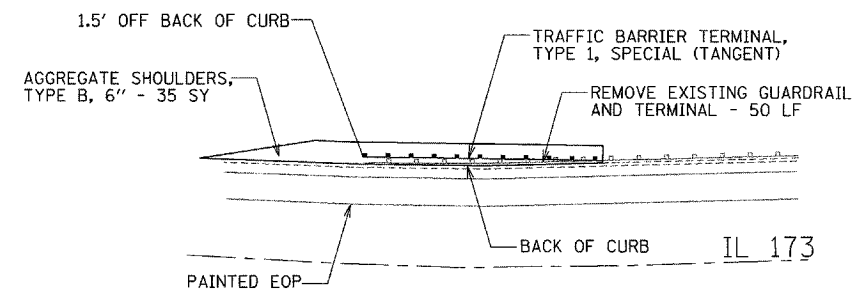
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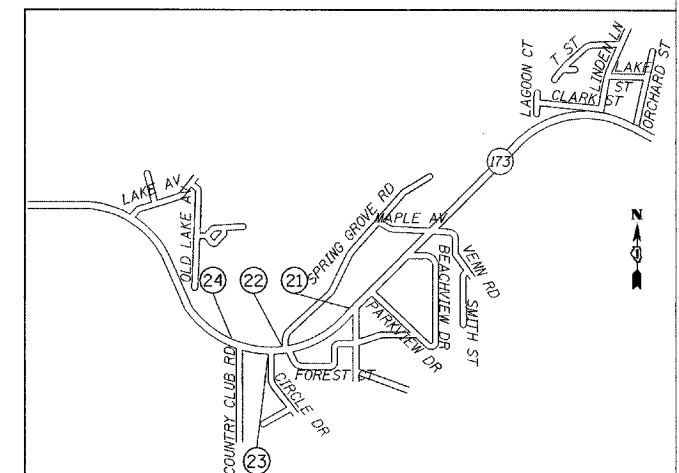
LOCATION 22




LOCATION 23



LOCATION 24



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 GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
 CHICAGO, ILLINOIS

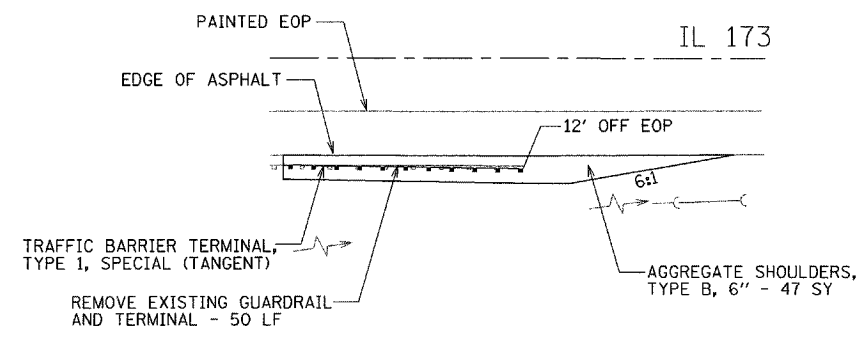
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN 6

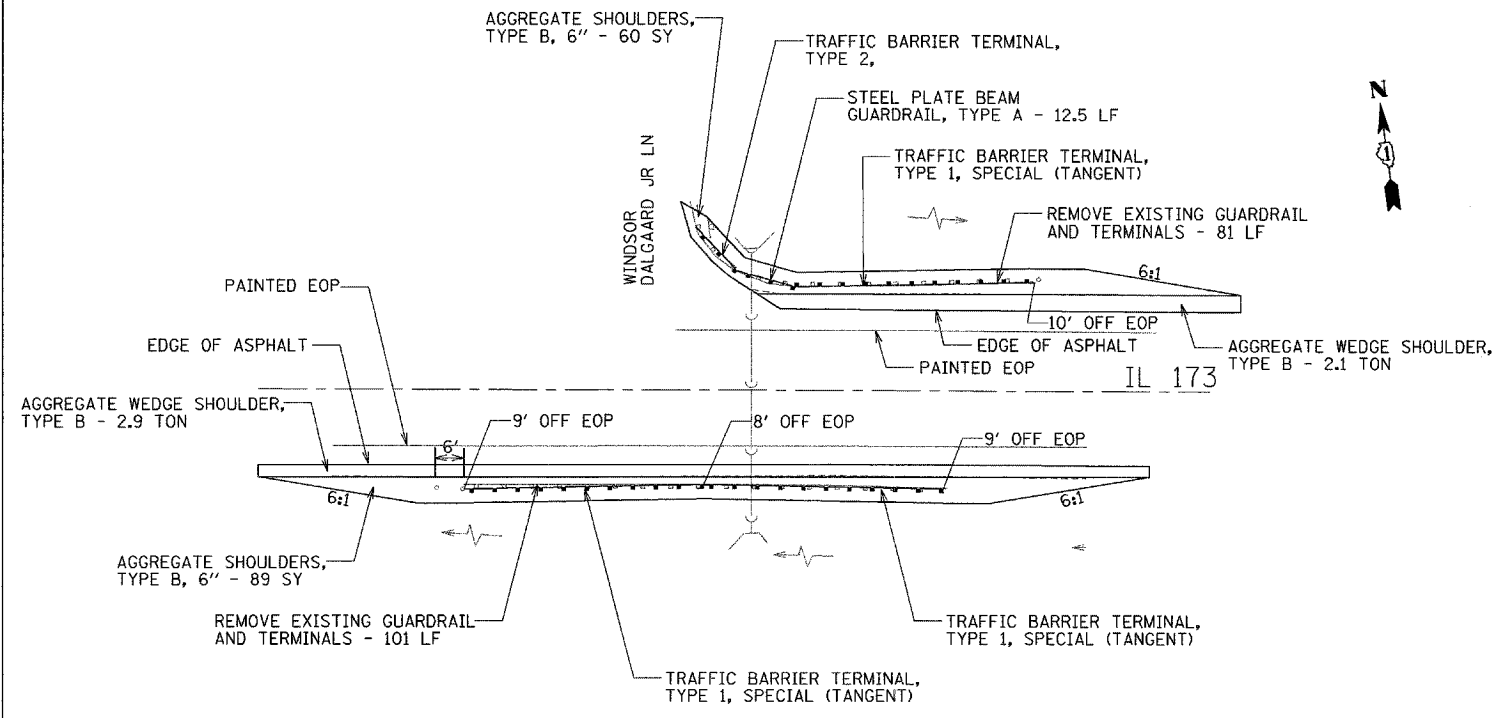
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SCALE: 1"=20'	SHEET NO. 10 OF 13 SHEETS	STA.	TO STA.	F.A.P. RTE. 303	SECTION 2007-050 GRR	COUNTY LAKE	TOTAL SHEETS 13	SHEET NO. 10
				FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

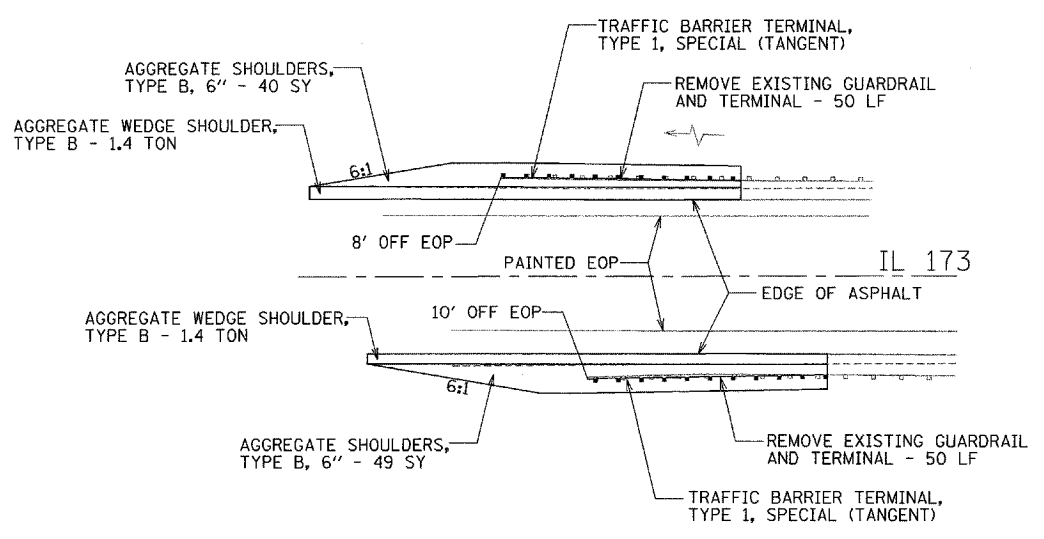
CONTRACT NO. 60D40



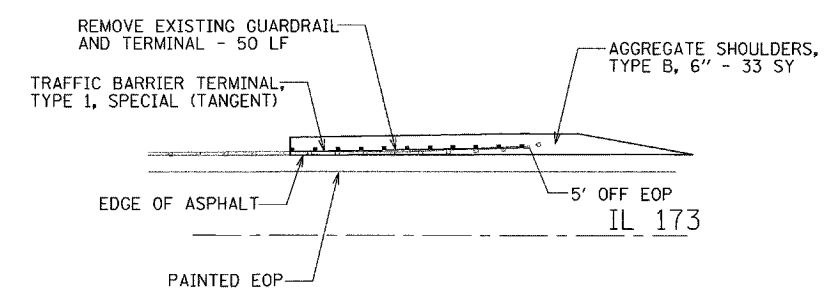
LOCATION 25



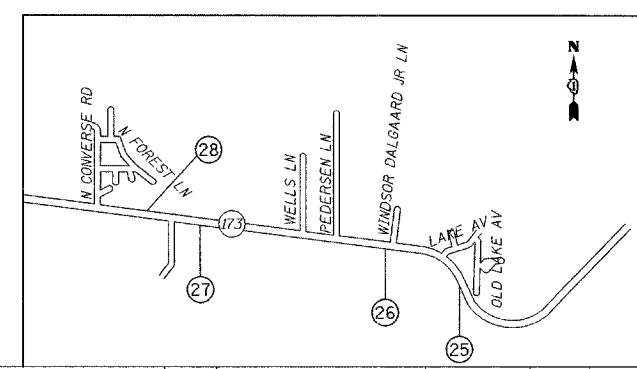
LOCATION 26




LOCATION 27



LOCATION 28



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GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
 CHICAGO, ILLINOIS

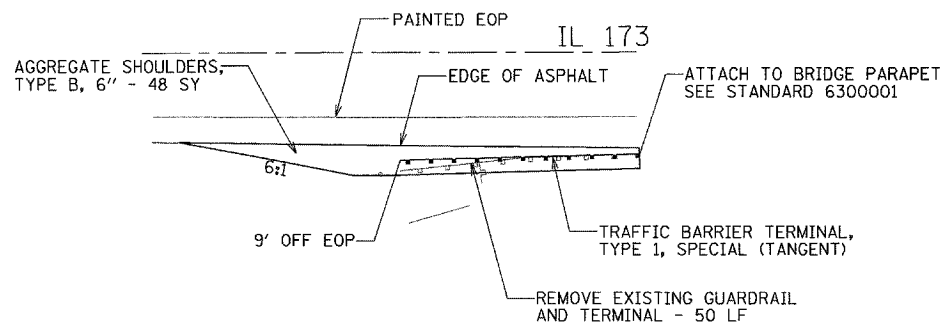
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

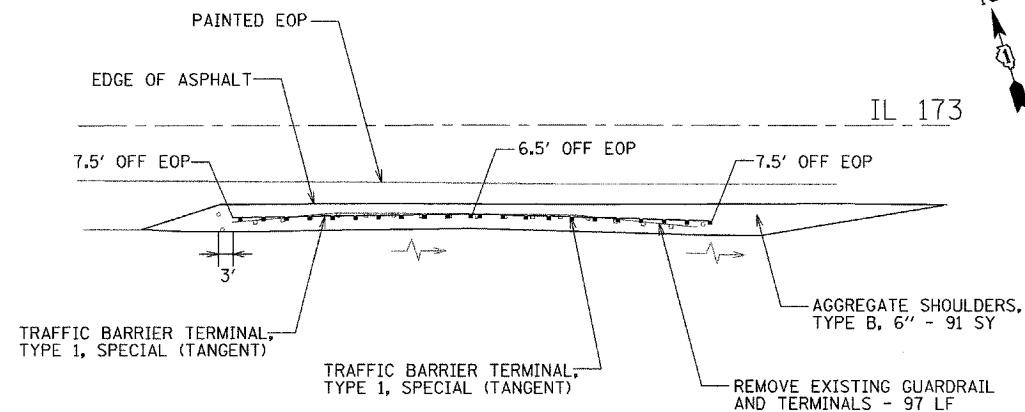
ROADWAY PLAN 7

SCALE: 1"=20' SHEET NO. 11 OF 13 SHEETS STA. TO STA.

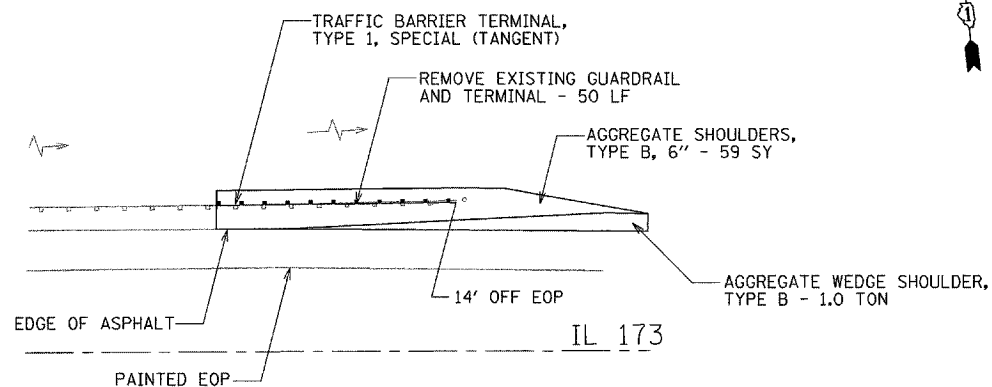
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	2007-050 GRR	LAKE	13	11
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60D40	



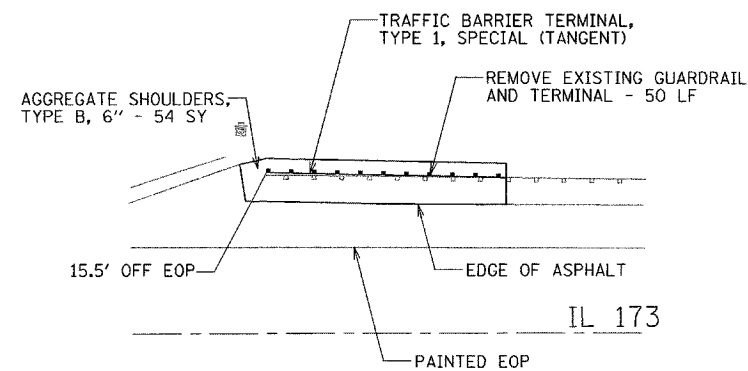
LOCATION 29



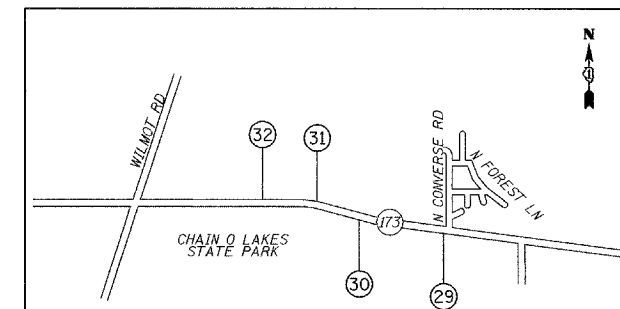
LOCATION 30




LOCATION 31



LOCATION 32



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GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
 CHICAGO, ILLINOIS

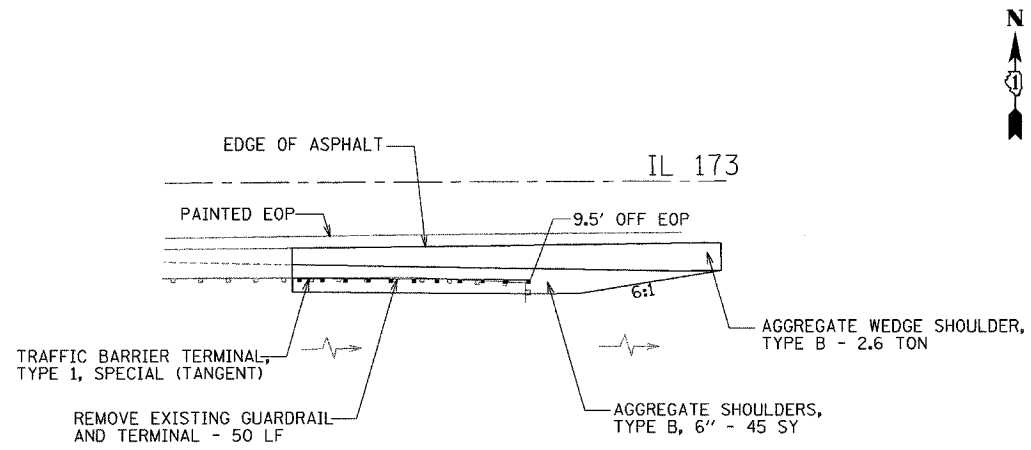
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

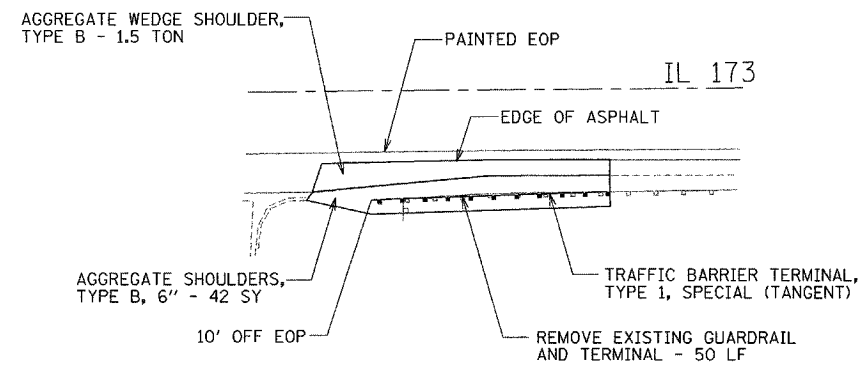
ROADWAY PLAN 8

SCALE: 1"=20' SHEET NO. 12 OF 13 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	2007-050 GRR	LAKE	13	12
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60D40	




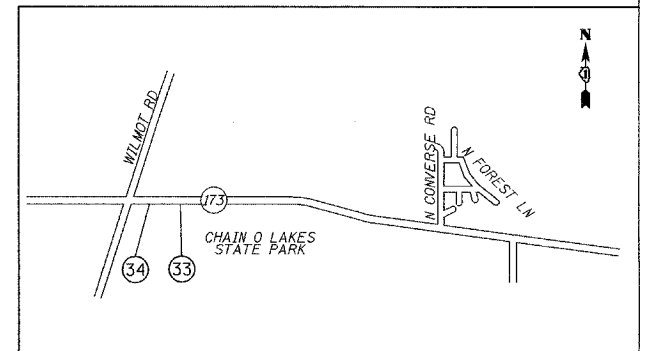
LOCATION 33



LOCATION 34

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GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
 CHICAGO, ILLINOIS

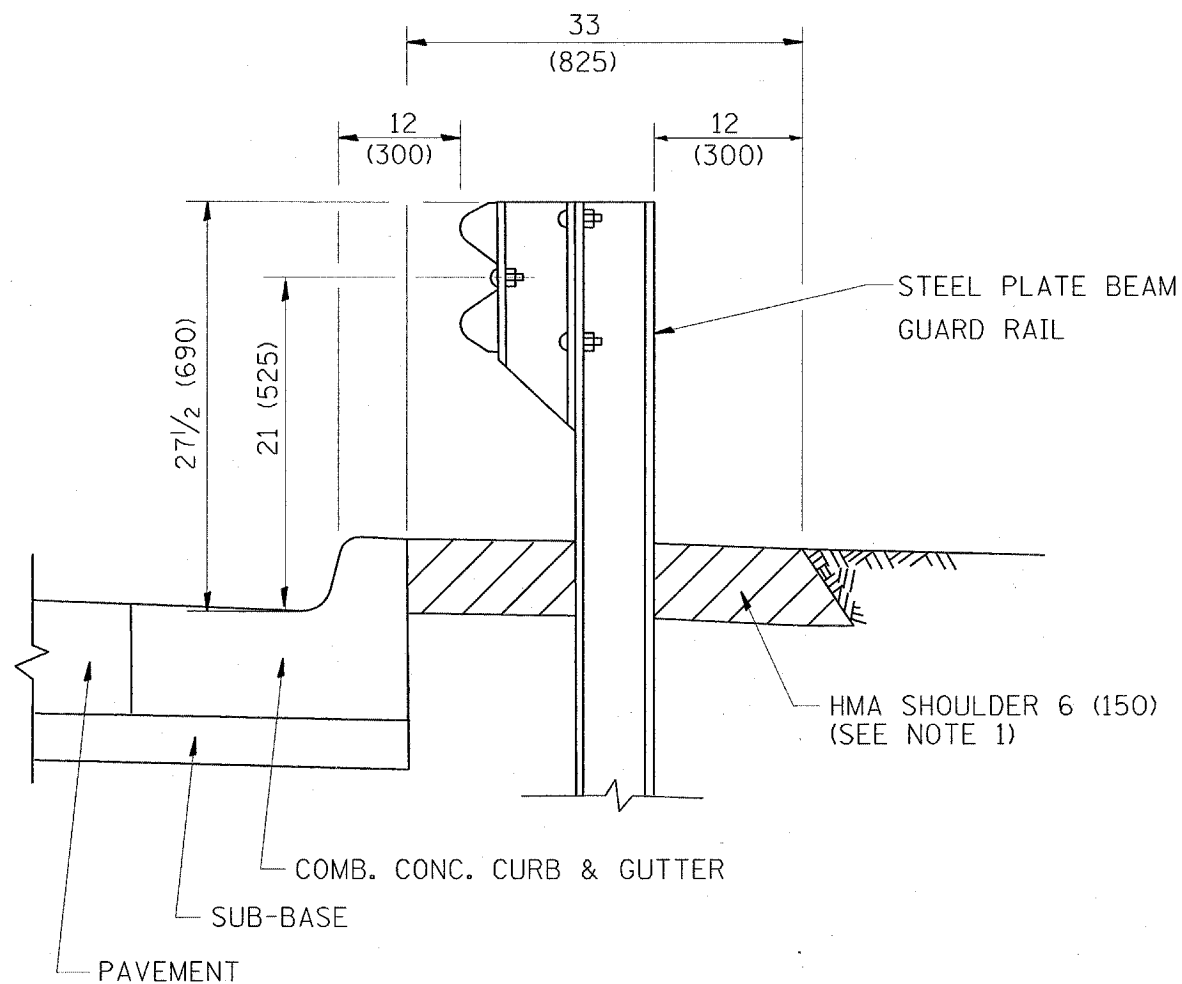


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	PLOT DATE = 12/28/2007	DATE - 12/31/2007	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN 9

SCALE: 1"=20'	SHEET NO. 13 OF 13 SHEETS	STA.	TO STA.	F.A.P. RTE. 303	SECTION 2007-050 GRR	COUNTY LAKE	TOTAL SHEETS 13	SHEET NO. 13
				CONTRACT NO. 60D40				
				ILLINOIS FED. AID PROJECT				

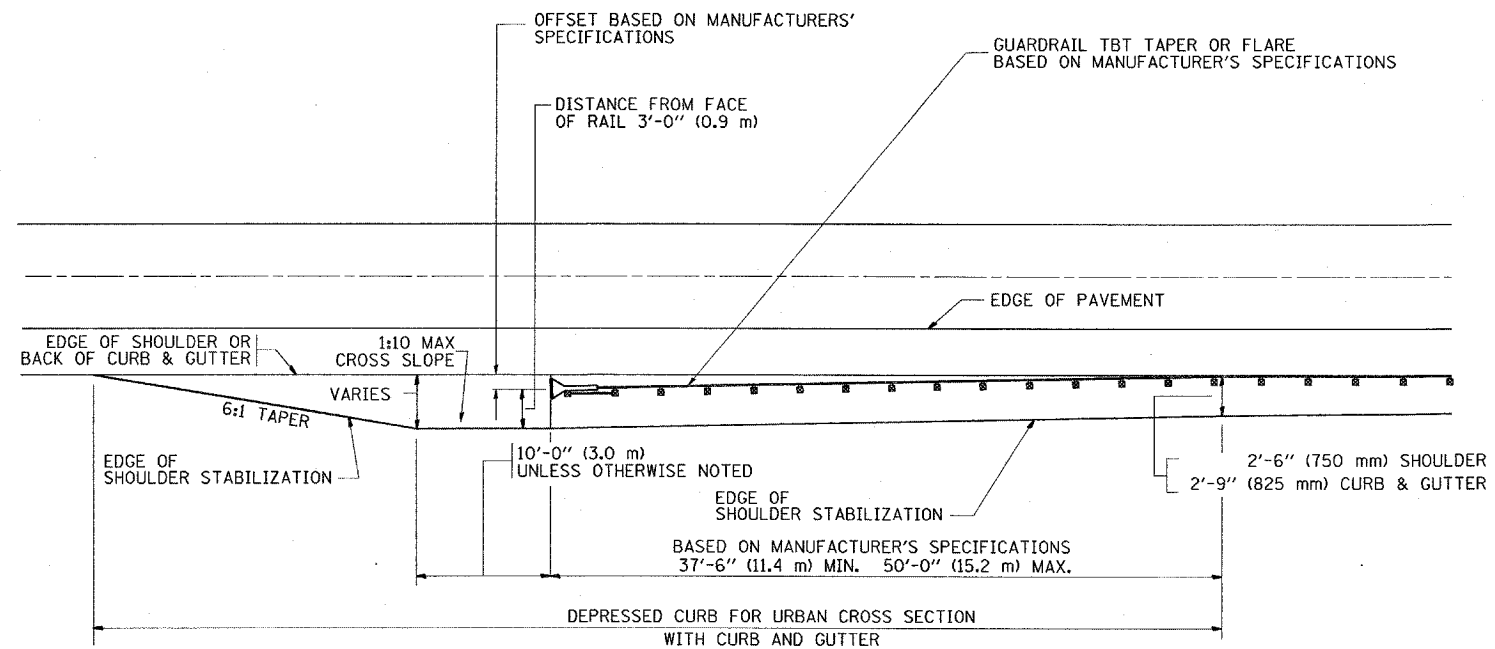


- NOTES: 1. THE HMA SHOULDER SHALL EXTEND UNDER THE TRAFFIC BARRIER TERMINAL
2. GUARD RAIL MAY BE PLACED AT THE BACK OF CURB WHEN DIRECTED BY THE ENGINEER.

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

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

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



STABILIZATION AT TBT TY. 1 SPL.

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

FILE NAME = W:\diatstd\22x34\bd34.dgn	USER NAME = gaglianobt	DESIGNED - M. DE YONG	REVISED - R. SHAH 02-23-95
		DRAWN -	REVISED - A. ABBAS 03-21-97
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED - E. GOMEZ 08-28-00
	PLOT DATE = 1/4/2008	DATE - 09-22-90	REVISED - R. BORO 01-01-07

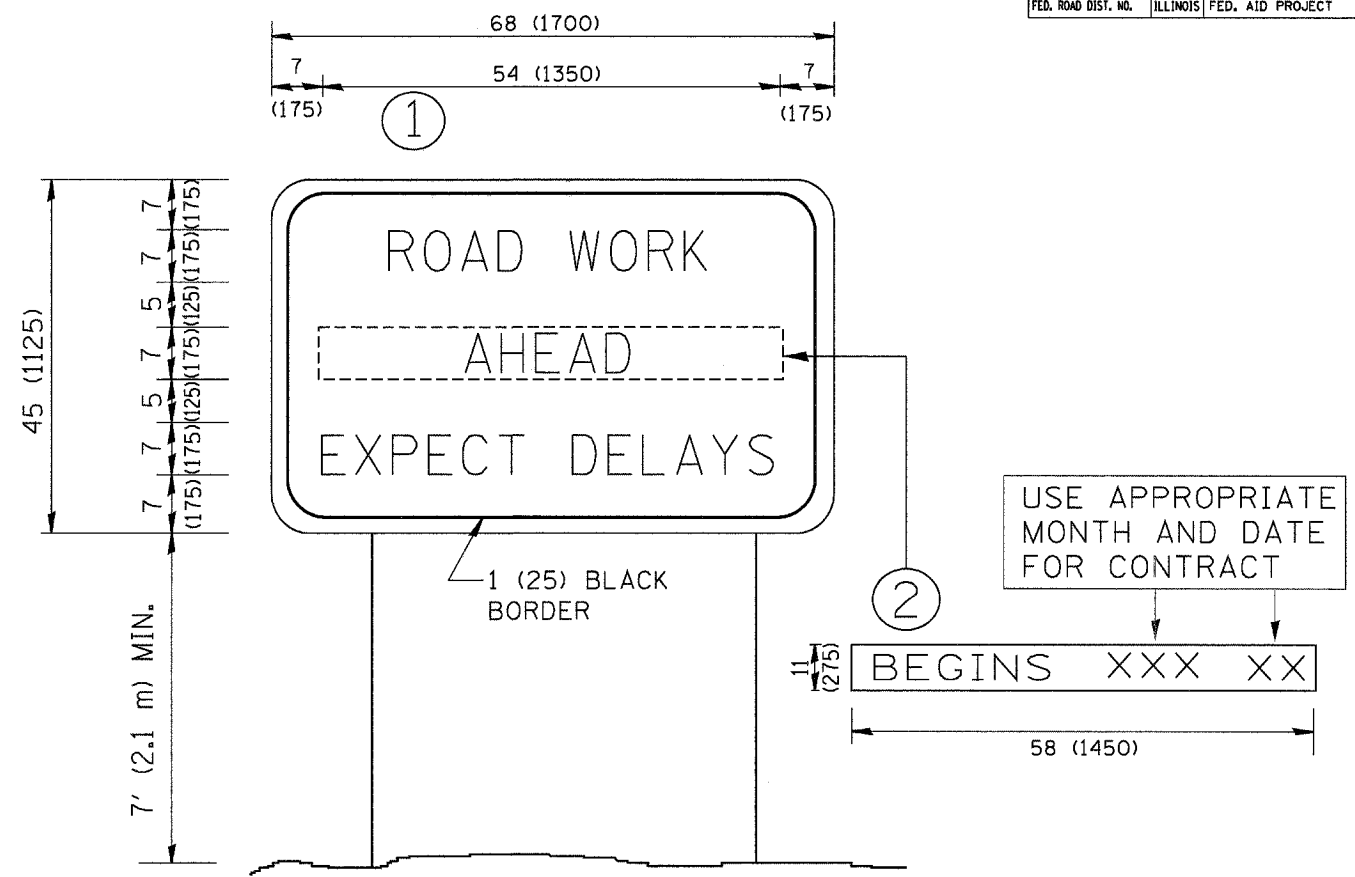
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETAILS FOR STEEL PLATE BEAM GUARD RAIL ADJACENT
TO CURB AND GUTTER STABILIZATION AT TBT TY 1 SPL.**

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

F.A.P. RTE. 303	SECTION 2007-0506R2	COUNTY LAKE	TOTAL SHEETS 13	SHEET NO. 13A
BD600-10 (BD 34)			CONTRACT NO.	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

CONTRACT NO.				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	2007-050 GR	LAKE	13	13B
STA.		TO STA.		
FED. ROAD DIST. NO.	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.

REVISIONS	
NAME	DATE
R. MIRS	9-15-97
R. MIRS	12-11-97
T. RAMMACHER	2-2-99
C. JUCIUS	1-31-07

ILLINOIS DEPARTMENT OF TRANSPORTATION
**ARTERIAL ROAD
INFORMATION SIGN**

SCALE: NONE

DRAWN BY DESIGN
CHECKED BY
TC22

PLOT DATE = 3/8/2007
FILE NAME = K:\data\1\222.dgn
USER NAME = ramach / IN