

PROPOSED HIGHWAY PLANS

ROUTE: VARIOUS LOCATIONS

VARIOUS LOCATIONS IN NORTH COOK AND DUPAGE COUNTIES

SECTION: 2016-005GRR

PROJECT NO.: ACHSIP-000V(066)

GUARDRAIL REPLACEMENTS

COOK AND DUPAGE COUNTIES

C-91-271-16

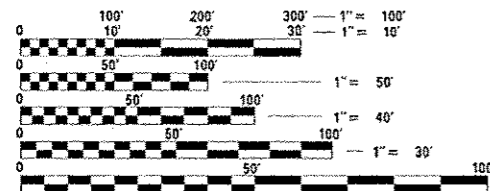
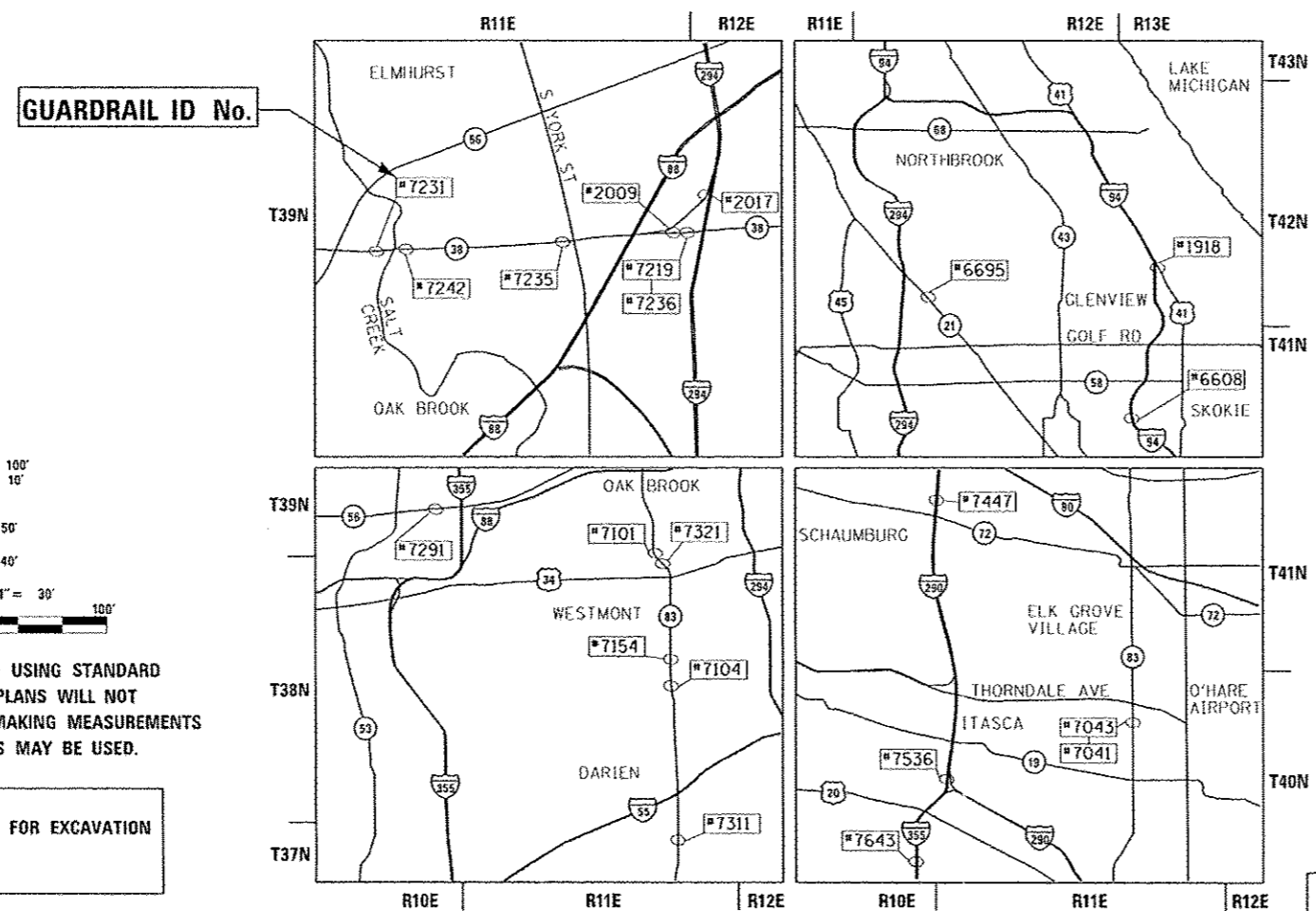
F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2016-005GRR	COOK/DUPAGE	23	1
FED. ROAD DIST. NO. 1	ILLINOIS	CONTRACT NO. 62C13		
VARIOUS		D-91-271-16		

FOR INDEX OF SHEETS, SEE SHEET NO. 2

IMPROVEMENTS LOCATED WITHIN THE CITY OF ELMHURST, AND IN THE VILLAGES OF SCHAUMBURG, ADDISON, HINSDALE, BENSenville, WILLOWBROOK, WESTMONT, BURR RIDGE, LOMBARD, WILMETTE, GLENVIEW AND SKOKIE, AND IN PROVISO TOWNSHIP



LOCATION OF SECTION INDICATED THUS: — ■ —



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 MANAGER: DAN WILGREEN, (IDOT) (847) 705-4240
PROJECT ENGINEER: THOMAS V. NGO (630) 705-0110
CONTRACT NO. 62C13

LOCATION MAP
NOT TO SCALE

MILLENNIA PROFESSIONAL SERVICES
THOMAS V. NGO, P.E.
062-058379

Thomas V. Ngo
DATE: 3/25/16
SIGNATURE AND SEAL APPLIES TO DRWG.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED MARCH 24, 2016

John L. ...
REGION ENGINEER

Maureen M. Addis, P.E.
ENGINEER OF DESIGN AND ENVIRONMENT

Maureen M. Addis
DIRECTOR OF PROGRAM DEVELOPMENT

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MILLENNIA PROFESSIONAL SERVICES

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LIST OF ILLINOIS DOT HIGHWAY STANDARDS

- 630001-10 STEEL PLATE BEAM GUARDRAIL
- 630101-09 GUARDRAIL MOUNTED ON EXISTING CULVERTS
- 630201-06 PCC/HMA STABILIZATION AT STEEL PLATE BEAM GUARDRAIL
- 630301-06 SHOULDER WIDENING FOR TYPE I (SPECIAL) GUARDRAIL TERMINALS
- 631011-09 TRAFFIC BARRIER TERMINAL, TYPE 2
- 631033-06 TRAFFIC BARRIER TERMINAL, TYPE 6B

- 664001-02 CHAIN LINK FENCE
- 701006-05 OFF-RD OPERATIONS, 2L, 2W, 15' (4.5m) TO 24' (600m) FROM PAVEMENT
- 701101-05 OFF ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
- 701106-02 OFF ROAD OPERATIONS, MULTILANE, MORE THAN 15' (4.5M) AWAY
- 701301-04 LANE CLOSURE, 2L 2W, SHORT TIME OPERATIONS
- 701326-04 LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS > OR = 45 MPH
- 701400-08 APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
- 701401-09 LANE CLOSURE, FREEWAY/EXPRESSWAY
- 701411-09 MULTI-LANE, TRAFFIC CONTROL AT ENTRANCE OR EXIT RAMP
- 701421-07 LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS >= 45 MPH TO 55 MPH
- 701422-08 LANE CLOSURE, MULTILANE, FOR SPEEDS >= 45 MPH TO 55 MPH
- 701426-08 LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS >= 45 MPH
- 701427-04 LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS <= 40 MPH
- 701428-01 TRAFFIC CONTROL SETUP & REMOVAL FREEWAY/EXPRESSWAY
- 701606-10 URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIUM
- 701701-10 URBAN LANE CLOSURE, MULTILANE INTERSECTION
- 701901-05 TRAFFIC CONTROL DEVICES
- 725001 OBJECT AND TERMINAL MARKERS
- 782006 GUARDRAIL BARRIER WALL REFLECTOR MOUNTING DETAILS

GENERAL NOTES

- 1. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT 800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS FACILITIES. 48 HOUR NOTIFICATION IS REQUIRED.
- 2. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH THE UTILITY COMPANIES AND AFFECTED MUNICIPALITIES.
- 3. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- 4. NO MATERIAL SHOULD BE LEFT ON OR NEAR THE ROAD DURING NON-WORKING HOURS.
- 5. ANY NECESSARY TRAFFIC CONTROL WILL BE PROVIDED BY THE CONTRACTOR.
- 6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING MATERIALS.
- 7. 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.
- 8. THE CONTRACTOR SHALL CONTACT THE 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.
- 9. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ADJUTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
- 10. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- 11. WHEN GUARDRAIL POSTS ARE PLACED BEHIND CONCRETE HEADWALLS, THE POSTS SHALL NOT BE PLACED TO BLOCK THE DRAINAGE OPENING.
- 12. ALL GUARDRAIL REMOVED MUST BE REPLACED DURING THE SAME WORK SHIFT UNLESS AUTHORIZED BY THE ENGINEER.
- 13. THE CONTRACTOR SHALL SUSPEND GUARDRAIL REMOVAL OPERATIONS WHENEVER THE AMOUNT OF REMOVED GUARDRAIL REMOVAL OPERATIONS WHENEVER THE AMOUNT OF REMOVED GUARDRAIL EXCEEDS TWO DAYS' PRODUCTION TO REPLACE THE GUARDRAIL.
- 14. THE CONTRACTOR SHALL ONLY PERFORM WORK ON ONE SIDE OF THE ROADWAY AT ANY TIME.
- 15. THE REMOVAL OF GUARDRAIL TERMINAL SECTIONS SHALL BE INCLUDED IN THE UNIT PRICE PER FOOT FOR "GUARDRAIL REMOVAL"
- 16. THE CONTRACTOR SHALL VERIFY THE EXISTING TYPE/HEIGHT OF EXISTING GUARDRAIL BEFORE ORDERING THE NEW TERMINAL SECTION, COST INCLUDED WITH THE COST OF THE TERMINAL, THE TERMINAL SECTION SHALL MATCH THE EXISTING GUARDRAIL.
- 17. THE CORING REQUIRED FOR THE INSTALLATION OF GUARDRAIL POSTS WITHIN CONCRETE AND ASPHALT AREAS IS INCLUDED IN THE COST OF THE STEEL PLATE BEAM GUARDRAIL.

COMMITMENTS

NO COMMITMENTS FOR THIS PROJECT

HOT MIX ASPHALT MIXTURE REQUIREMENTS		
MIXTURE TYPE	AIR VOIDS @ Ndes	OMP TYPE
SHOULDERS 6"		
HMA SHOULDER (HMA BINDER IL-19MM), 6"	4% @ 50 GYR.	OC/OA
OMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QCOA); QUALITY CONTROL FOR PERFORMANCE (QCP)		

MIXTURE NOTES:

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

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 USER NAME: Millennium Professional Services



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CHECKED	TVN	REVISED	-
DATE	5/2/2016	REVISED	-

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

VARIOUS LOCATIONS IN COOK AND DUPAGE COUNTIES
 INDEX OF SHEETS, LIST OF IDOT HIGHWAY STANDARDS,
 GENERAL NOTES AND COMMITMENTS

SCALE: N/A SHEET NO. 1 OF 1 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2016-005GRR	COOK/DUPAGE	23	2
*VARIOUS			CONTRACT NO. 62C13	
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				

URBAN

PAYCODE	ITEM DESCRIPTION	UNIT	TOTAL QUANTITIES	90% FED.	90% FED.
				10% STATE 0021 COOK	10% STATE 0021 DUPAGE
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	40	40	
20200100	EARTH EXCAVATION	CU YD	69	19	50
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	20	5	15
20400800	FURNISHED EXCAVATION	CU YD	23		23
21101615	TOPSOIL FURNISH AND PLACE, 4"	SO YD	104	104	
25000310	SEEDING, CLASS 4	ACRE	0.73	0.18	0.55
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	66	16	50
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	66	16	50
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	66	16	50
25100630	EROSION CONTROL BLANKET	SO YD	3526	863	2663
25200110	SODDING, SALT TOLERANT	SO YD	104	104	
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	315	77	238
44003100	MEDIAN REMOVAL	SO FT	787		787
44004250	PAVED SHOULDER REMOVAL	SO YD	89	36	53
48101500	AGGREGATE SHOULDERS, TYPE B 6"	SO YD	350	66	284
48203021	HOT-MIX ASPHALT SHOULDERS, 6"	SO YD	247	49	198
60250200	CATCH BASINS TO BE ADJUSTED	EACH	1	1	
60608521	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-2.24	FOOT	322	84	238
63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	388	75	313
63000025	STEEL PLATE BEAM GUARDRAIL, ATTACHED TO STRUCTURES	FOOT	25		25
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	5	1	4
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	17	4	13
63200310	GUARDRAIL REMOVAL	FOOT	2770	485	2285
66400305	CHAIN LINK FENCE, 6'	FOOT	50	50	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	1.5	4.5
67100100	MOBILIZATION	LSUM	1	0.25	0.75
70100320	TRAFFIC CONTROL AND PROTECTION, STANDARD 701422	LSUM	1	0.20	0.80
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	LSUM	1	0.25	0.75

URBAN

PAYCODE	ITEM DESCRIPTION	UNIT	TOTAL QUANTITIES	90% FED.	90% FED.
				10% STATE 0021 COOK	10% STATE 0021 DUPAGE
78200410	GUARDRAIL MARKERS, TYPE A	EACH	32	7	25
78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	22	5	17
X7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	LSUM	1	0.67	0.33
X7015005	CHANGEABLE MESSAGE SIGN	CAL DA	24	9	15
Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	286	52	234
Z0062002	SAW CUTTING, (FULL DEPTH)	FOOT	238		238

* SPECIALTY ITEM

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 USER: MPPS
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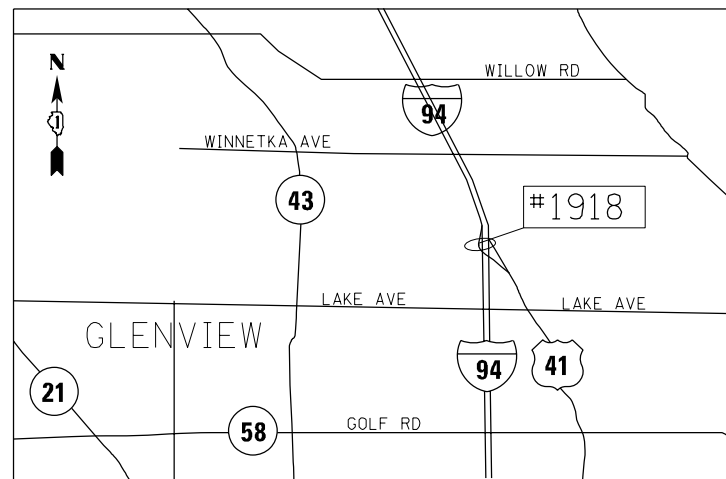
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DATE - 3/31/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

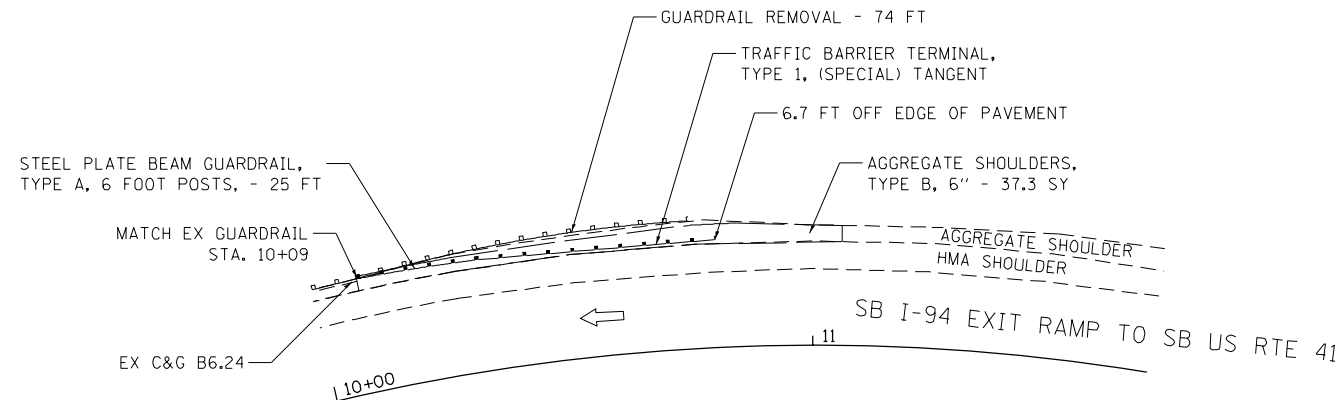
**VARIOUS LOCATIONS IN COOK AND DUPAGE COUNTIES
SUMMARY OF QUANTITIES**

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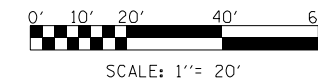
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*VARIOUS			CONTRACT NO. 62C13	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



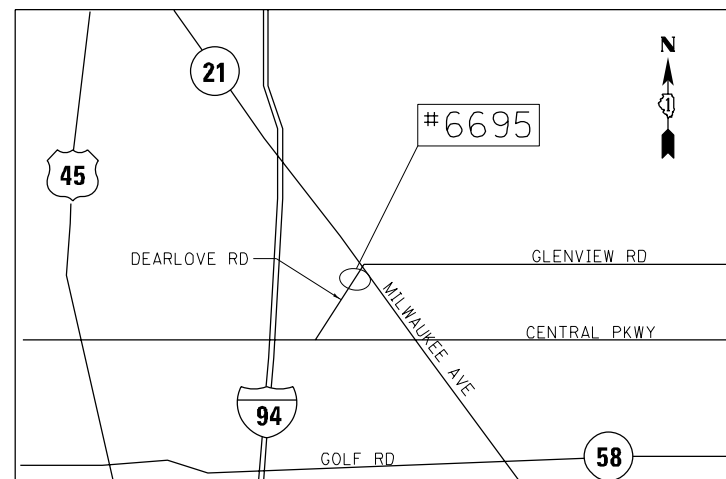
LOCATION #1918
SB I-94US RTE 41 EXIT 34A RAMP (RT)



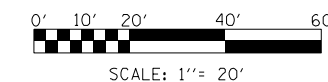
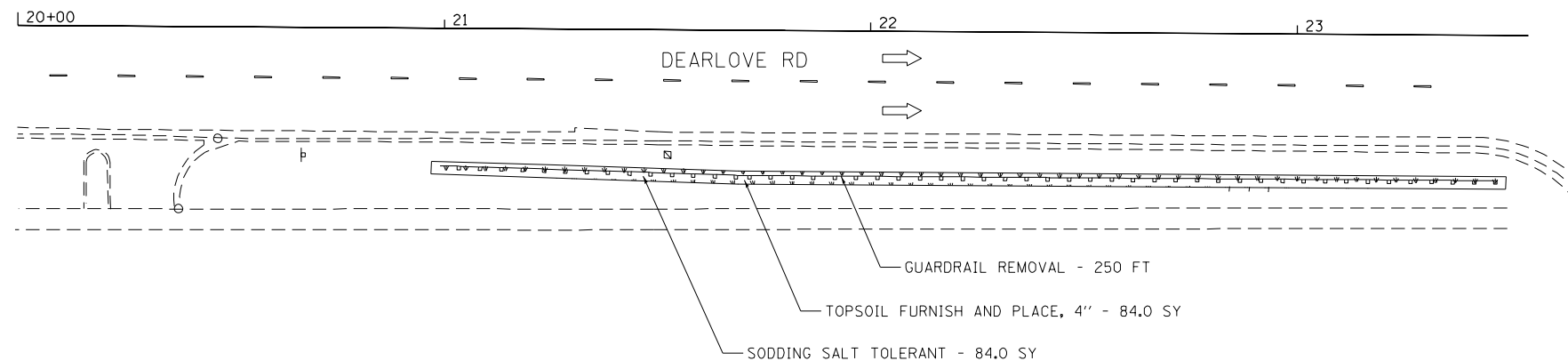
EARTH EXCAVATION: 9.0 CY



GUARDRAIL ID No. 1918



LOCATION #6695
SE CORNER DEARLOVE RD AND MILWAUKEE AVE (IL RTE 21)



GUARDRAIL ID No. 6695

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 PLOT SCALE = 48.0000 / 1"
 USER NAME = Millennia Professional Services



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DATE - 3/31/2016	REVISED -

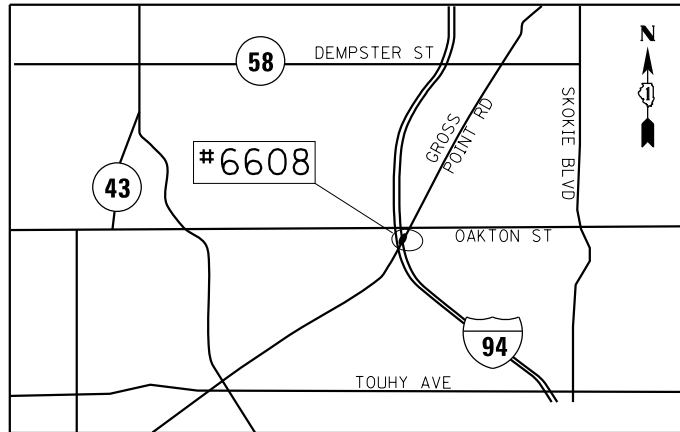
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN
GUARDRAIL IMPROVEMENTS - COOK COUNTY

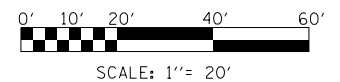
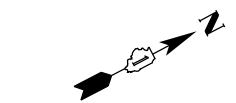
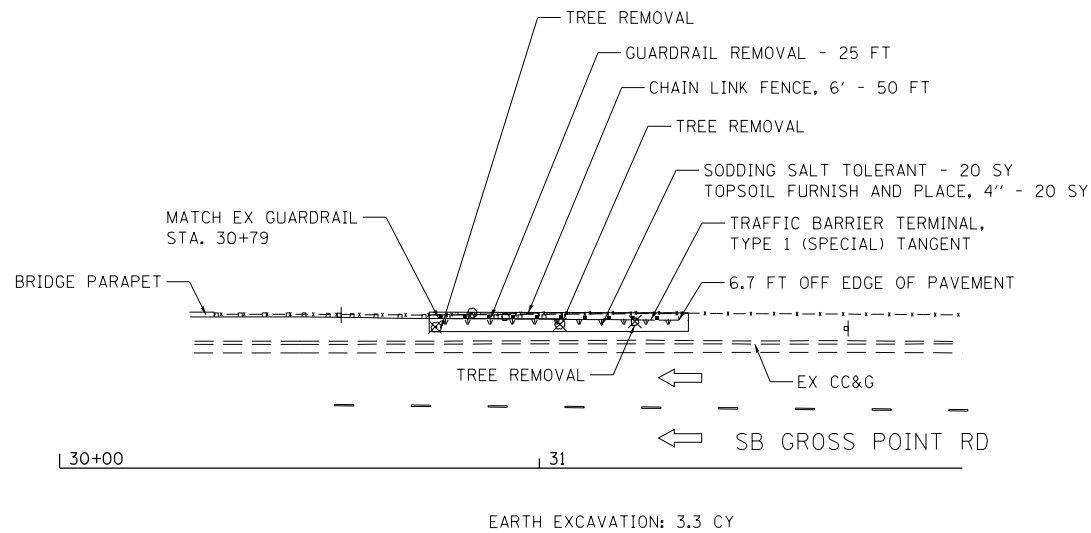
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*	2016-005GRR	COOK/DUPAGE	23	4
*VARIOUS			CONTRACT NO. 62C13	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

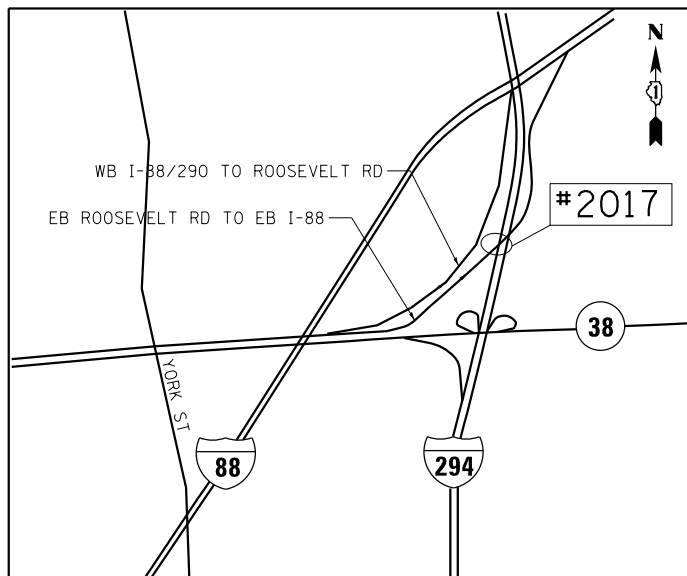
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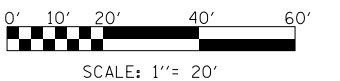
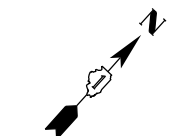
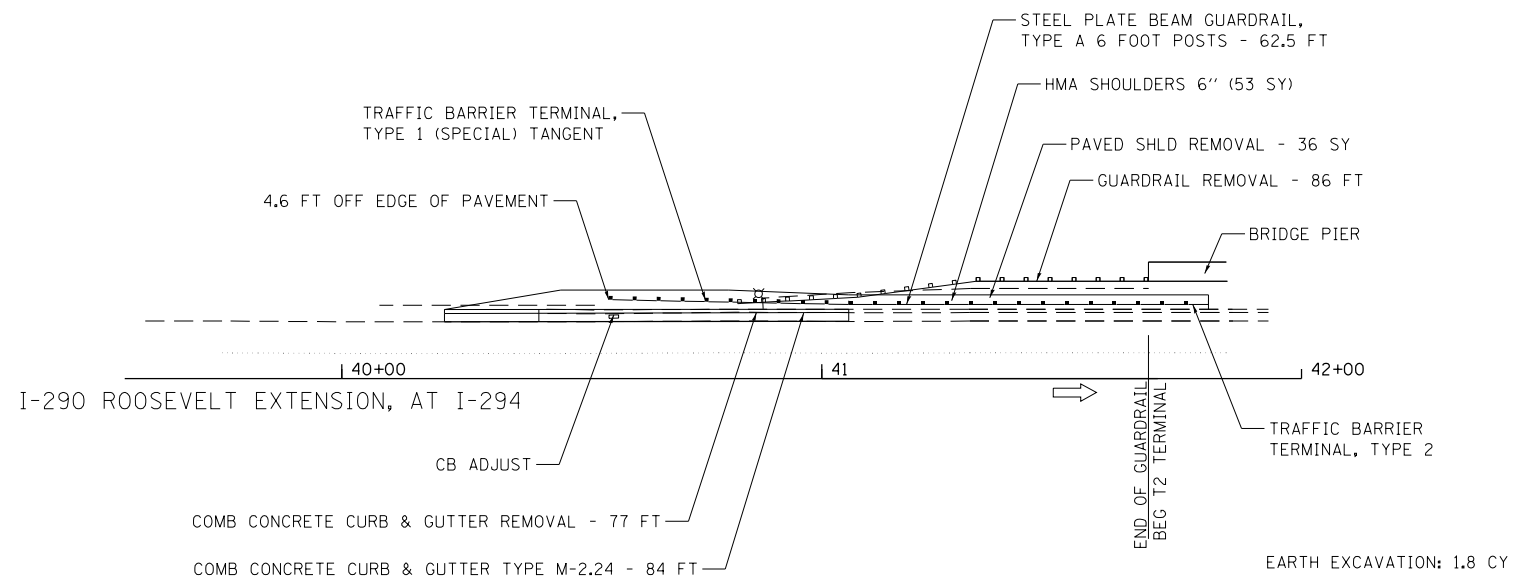
LOCATION #6608
SB GROSS POINT RD (RIGHT) OVER I-94
(350 FT SOUTH OF OAKTON ST)



GUARDRAIL ID No. 6608



LOCATION #2017
EB ROOSEVELT RD TO EB I-88/290
AT I-294 BRIDGE (LEFT)



GUARDRAIL ID No. 2017

NOTE:
 1. PRIOR TO THE CURB AND GUTTER REMOVAL,
 THE CONTRACTOR SHALL SAW CUT ALONG THE
 EDGE OF PAVEMENT IN AREAS WHERE THE EXISTING
 GUTTER IS OVERLAID WITH HMA.

FILE NAME = \$FILE\$
 PLOT SCALE = \$SCALE\$
 USER NAME = \$USER\$



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DATE - \$DATE\$	REVISED -

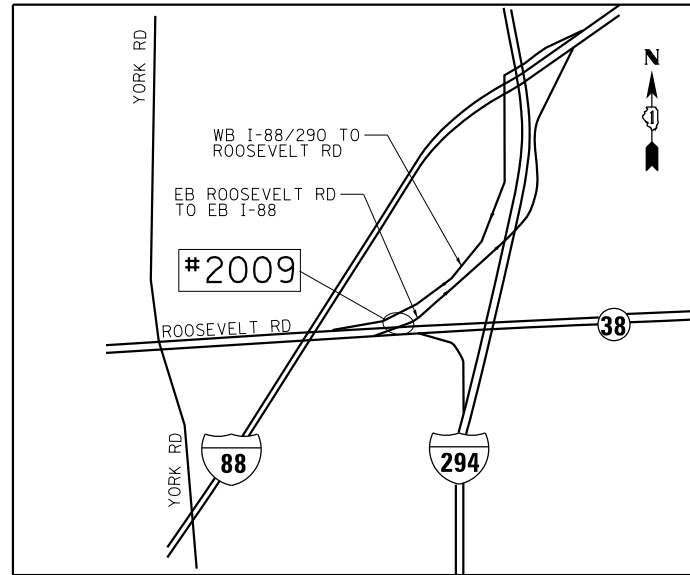
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN
GUARDRAIL IMPROVEMENTS - COOK COUNTY

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

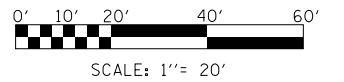
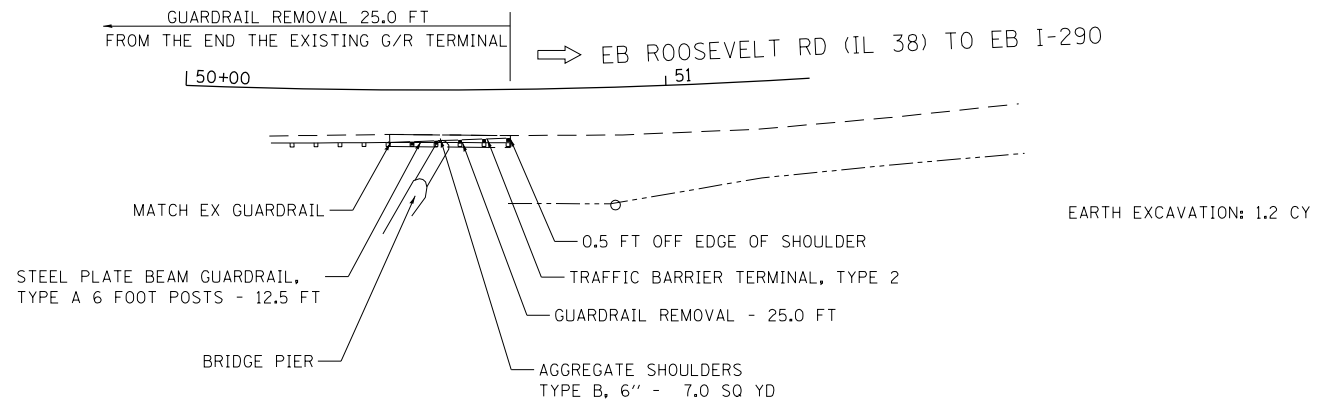
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*	2016-005GRR	COOK/DUPAGE	23	5
*VARIOUS			CONTRACT NO. 62C13	
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\$FILE\$

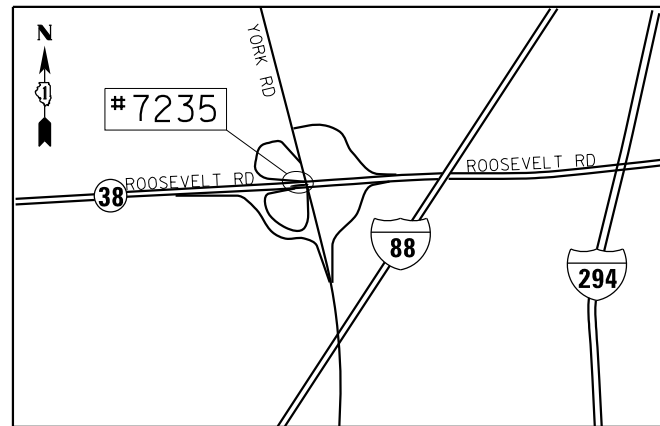


LOCATION #2009

EB ROOSEVELT RD EXTENSION TO EB I-290 (EISENHOWER EXPY)
AT WB ROOSEVELT RD (IL-38) OVERPASS BRIDGE (PIER)

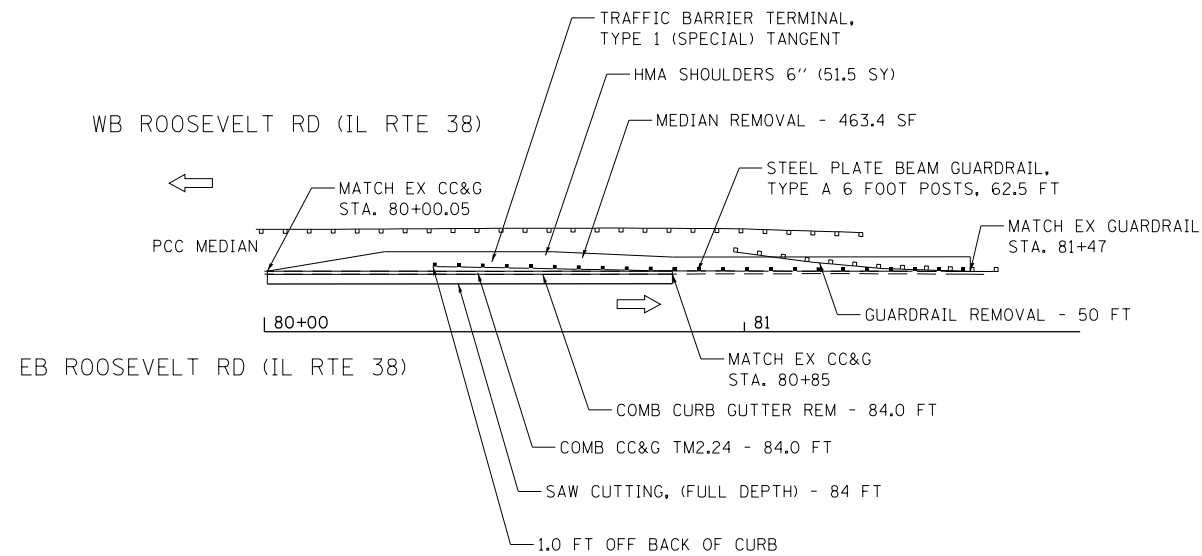


GUARDRAIL ID No. 2009

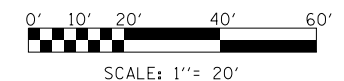


LOCATION #7235

EB ROOSEVELT RD MEDIAN,
130 FT WEST OF YORK ROAD BRIDGE



NOTE:
1. PRIOR TO THE CURB AND GUTTER REMOVAL, THE CONTRACTOR SHALL SAW CUT ALONG THE EDGE OF PAVEMENT IN AREAS WHERE THE EXISTING GUTTER IS OVERLAID WITH HMA.



GUARDRAIL ID No. 7235

FILE NAME = \$FILE\$
PLOT SCALE = \$SCALE\$
USER NAME = \$USER\$



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DATE - \$DATE\$	REVISED -

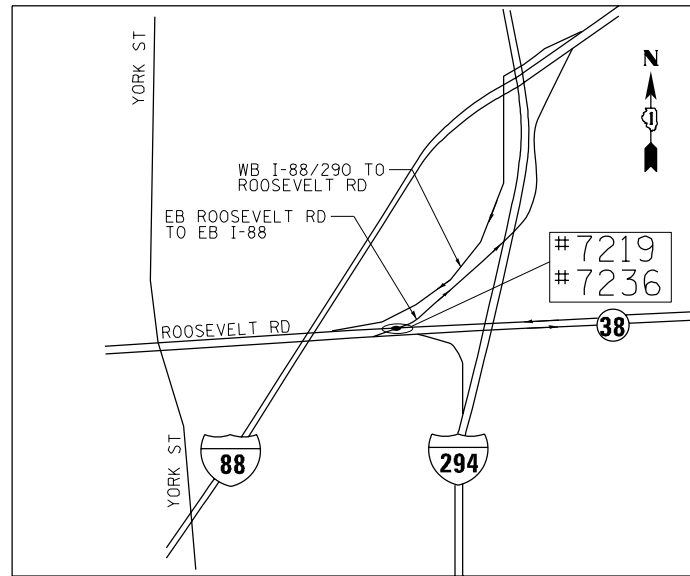
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN
GUARDRAIL IMPROVEMENTS - DUPAGE COUNTY

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

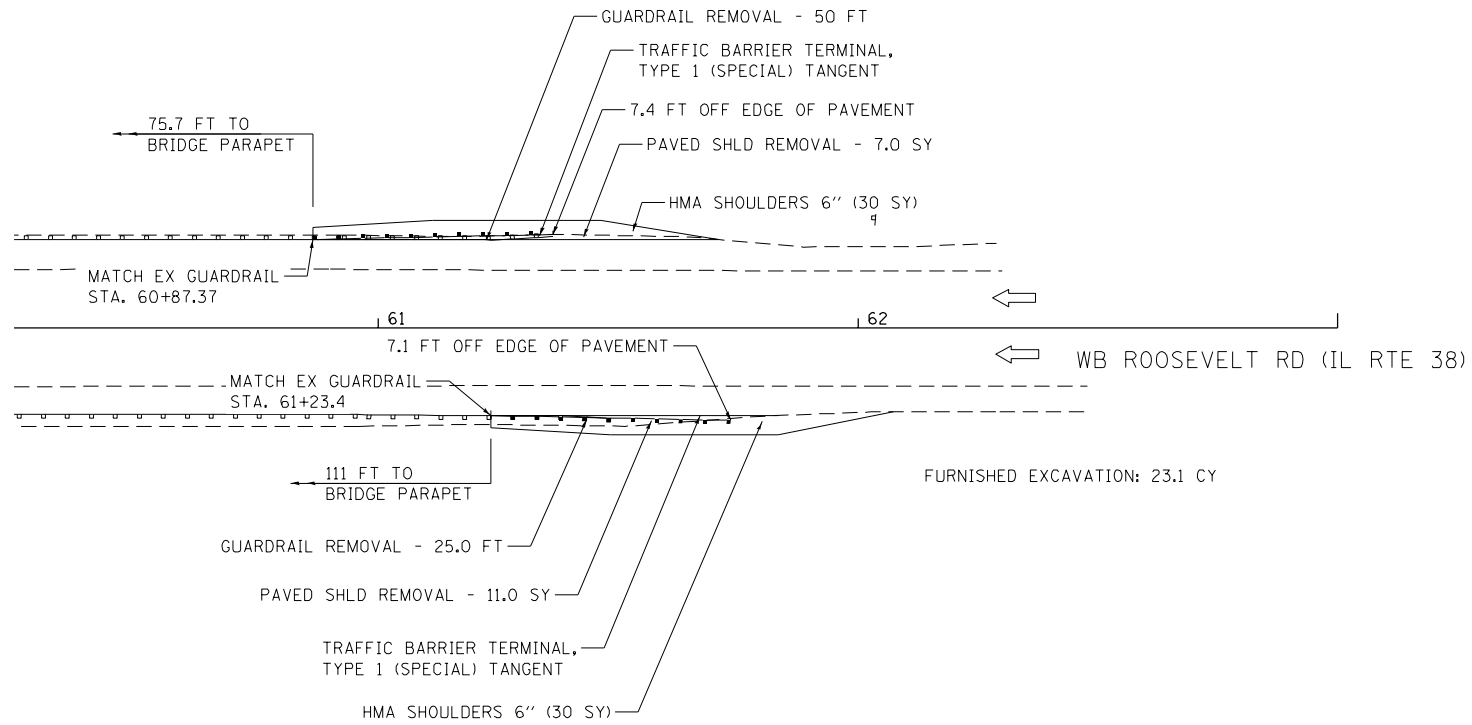
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2016-005GRR	COOK/DUPAGE	23	6
*VARIOUS			CONTRACT NO. 62C13	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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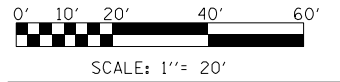


LOCATION #7219
WB ROOSEVELT RD (IL 38),
AT BRIDGE OVER I-290 RAMP (EAST SIDE - RIGHT)

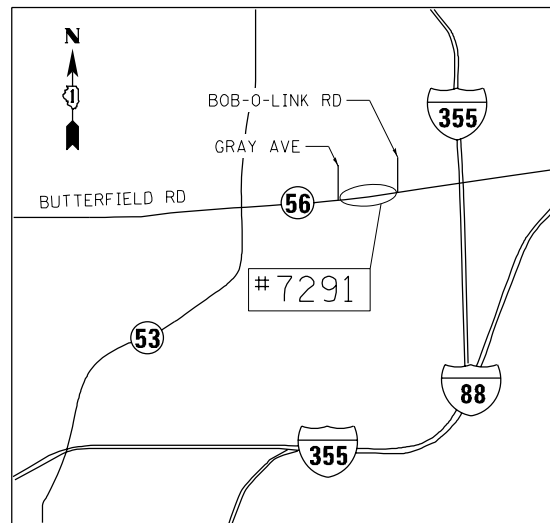
LOCATION #7236
WB ROOSEVELT RD (IL 38),
AT BRIDGE OVER I-290 RAMP (EAST SIDE - LEFT)



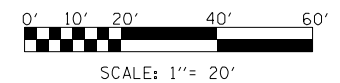
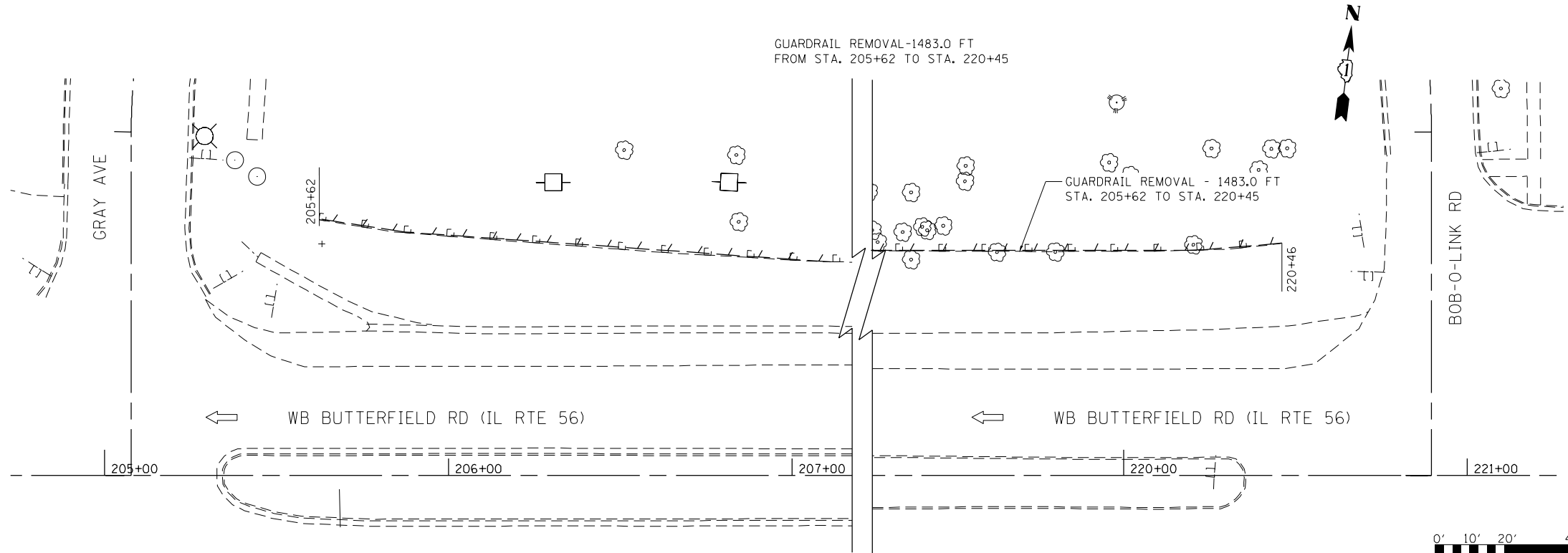
GUARDRAIL ID No. 7219



GUARDRAIL ID No. 7236



LOCATION #7291
WB BUTTERFIELD RD (IL 56) AT BOB-O-LINK RD



GUARDRAIL ID No. 7291

FILE NAME = P:\2014\ME\1027_Ver-Var-Ph\11\015_Gr_Terminal_Updates\CADD\Shots\162C13_SHT04.dgn
PLOT SCALE = 48.00000 / 1"
USER NAME = Millennium Professional Services



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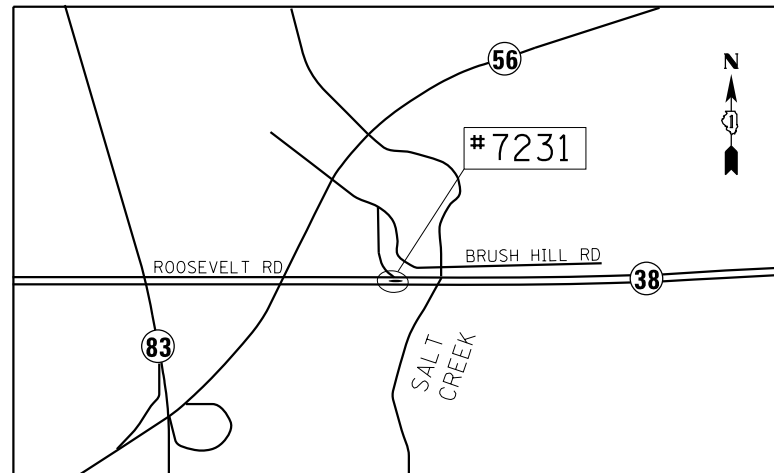
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DRAWN - JP	REVISED -
CHECKED - TVN	REVISED -
DATE - 3/31/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

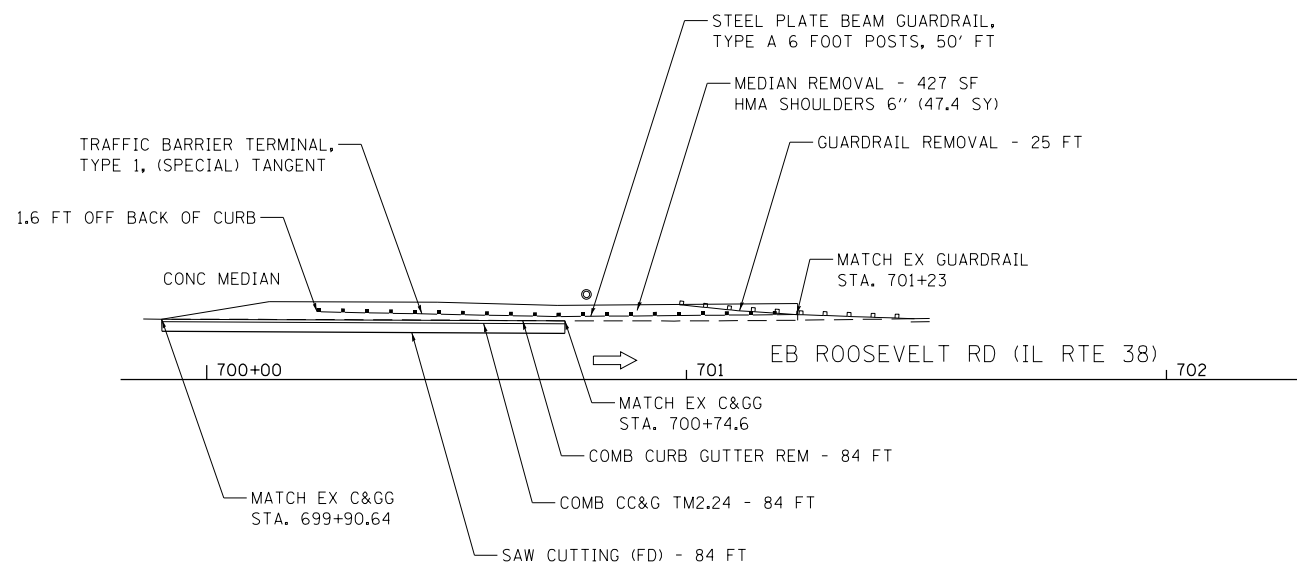
ROADWAY PLAN
GUARDRAIL IMPROVEMENTS - DUPAGE COUNTY

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

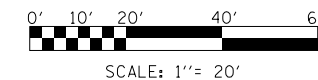
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2016-005GRR	COOK/DUPAGE	23	7
*VARIOUS			CONTRACT NO. 62C13	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



LOCATION #7231
EB ROOSEVELT RD AT OVERHEAD SIGN TRUSS (MEDIAN)
 1100 FT EAST OF IL RTE 56

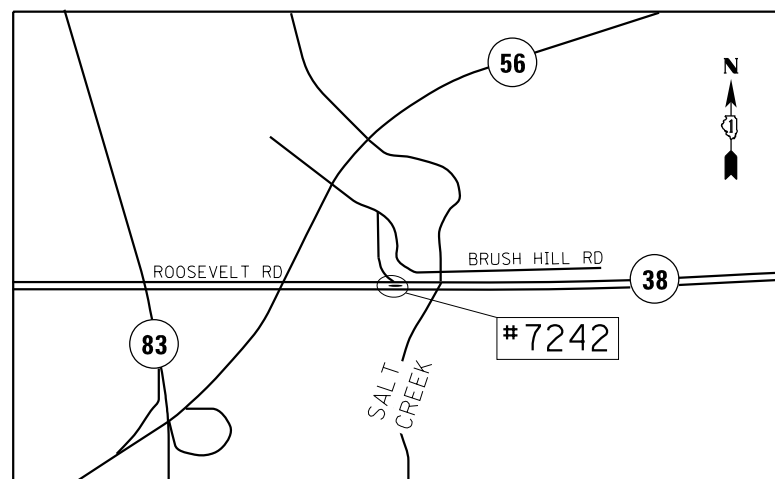


NOTE:
 1. PRIOR TO THE CURB AND GUTTER REMOVAL,
 THE CONTRACTOR SHALL SAW CUT ALONG THE
 EDGE OF PAVEMENT IN AREAS WHERE THE EXISTING
 GUTTER IS OVERLAID WITH HMA.

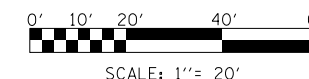
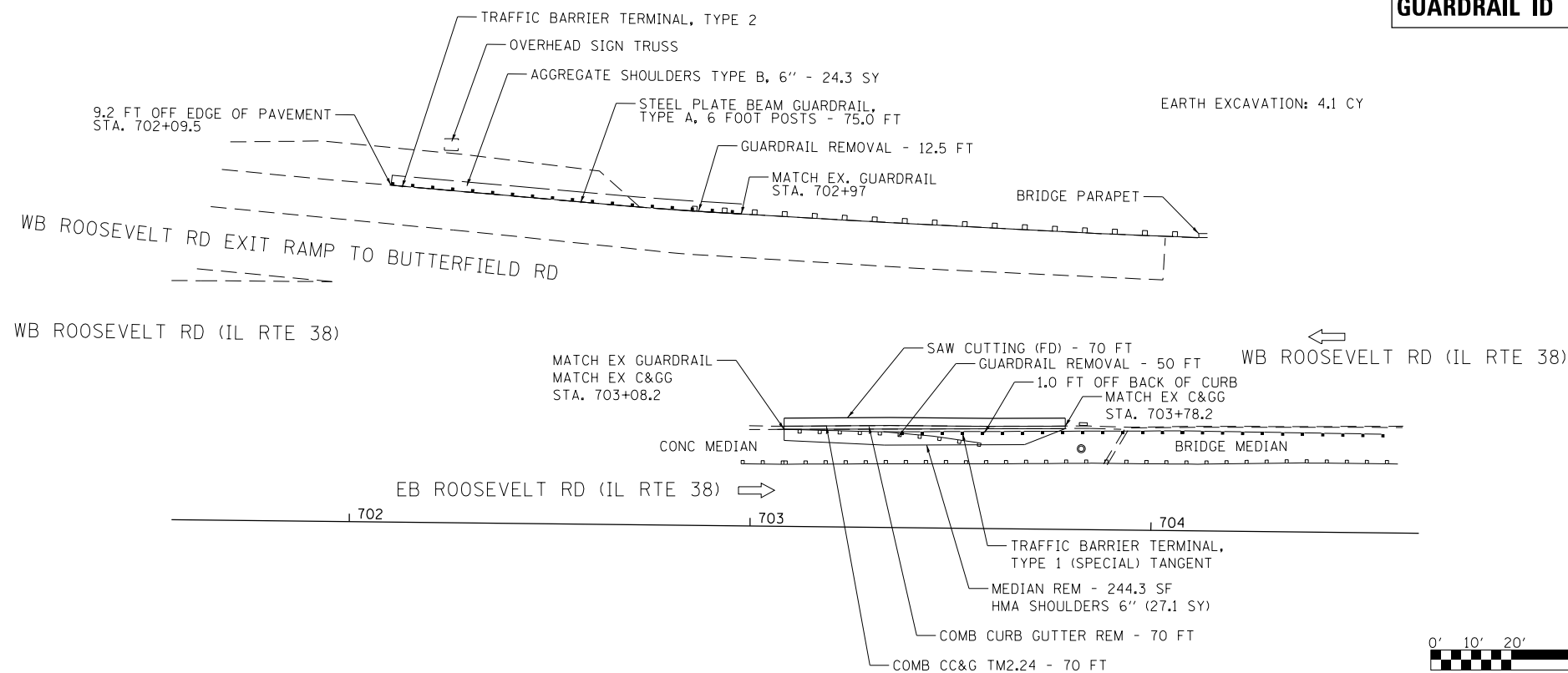


GUARDRAIL ID No. 7231

GUARDRAIL ID No. 7242A



LOCATION #7242
WB ROOSEVELT RD AT OVERHEAD SIGN TRUSS (MEDIAN)
 1350 FT EAST OF IL RTE 56



GUARDRAIL ID No. 7242

FILE NAME = \$FILE\$
 PLOT SCALE = \$SCALE\$
 USER NAME = \$USER\$



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DRAWN - JP	REVISED -
CHECKED - TVN	REVISED -
DATE - \$DATE\$	REVISED -

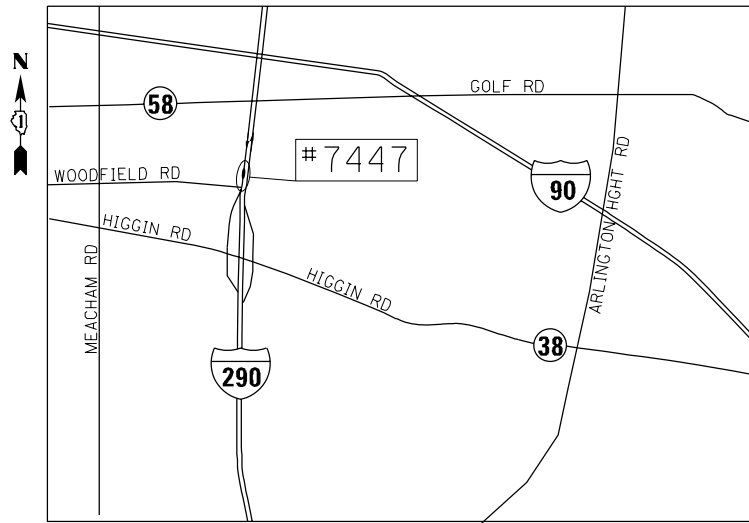
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN
GUARDRAIL IMPROVEMENTS - DUPAGE COUNTY

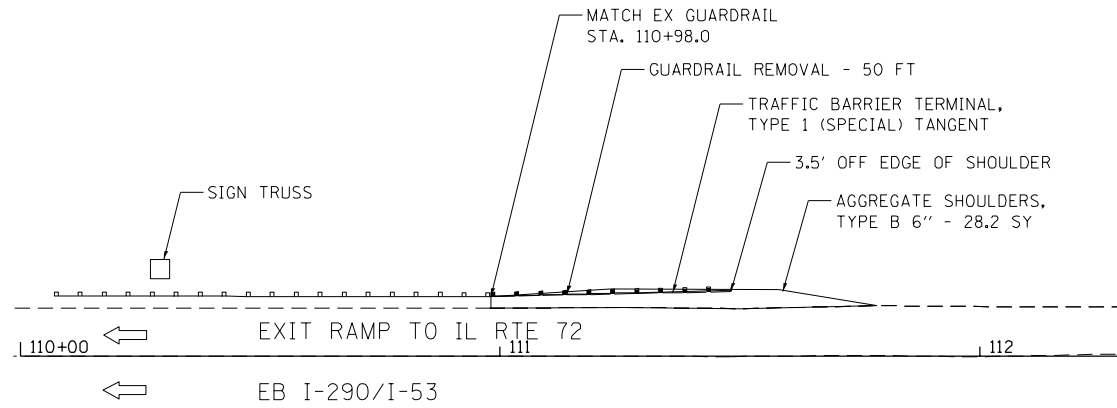
SCALE: 1"=20' SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2016-005GRR	COOK/DUPAGE	23	8
*VARIOUS			CONTRACT NO. 62C13	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

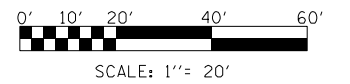
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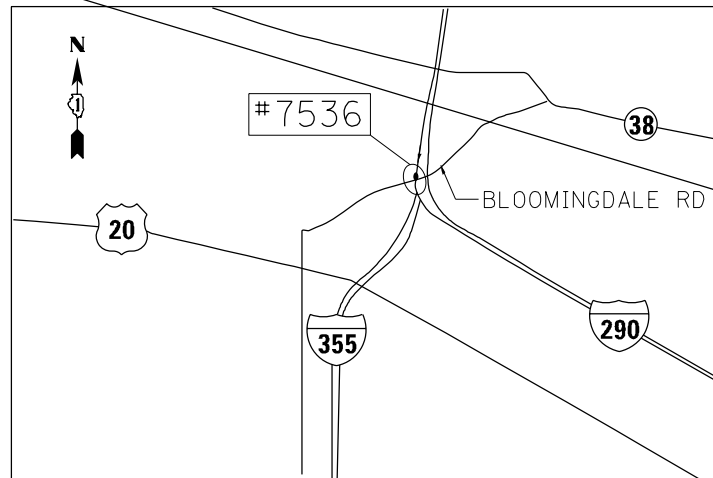
LOCATION #7447
EB I-290/I-53 AT IL RTE 72 EXIT RAMP (CANTILEVER OVERHEAD SIGN)



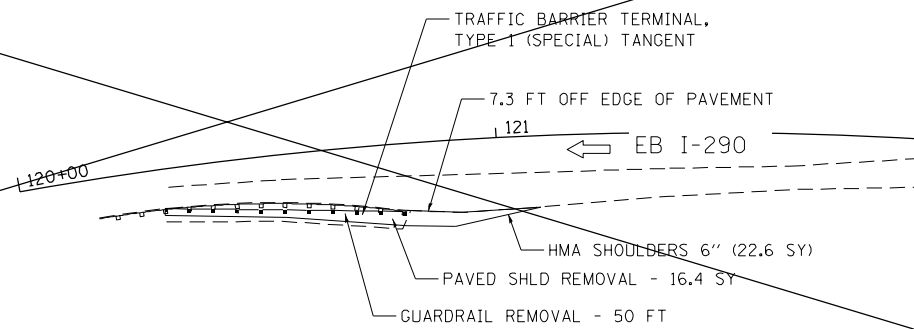
EARTH EXCAVATION: 4.7 CY



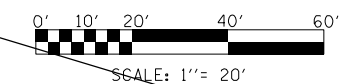
GUARDRAIL ID No. 7447



LOCATION #7536
EB I-290 (LEFT) AT BLOOMINGDALE RD BRIDGE



EARTH EXCAVATION: 1.0 CY



GUARDRAIL ID No. 7536

OMISSION

THIS LOCATION REMOVED FROM THE CONTRACT

FILE NAME = P:\2014\ME14027_Ver-Var-PhII\W015_GR_Terminal_Updates\CADD\Shts\DI62C13_SHT06.dgn
 PLOT SCALE = 48.0000 / 1"
 USER NAME = Millennia Professional Services



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DRAWN - JP	REVISED -
CHECKED - TVN	REVISED -
DATE - 3/31/2016	REVISED -

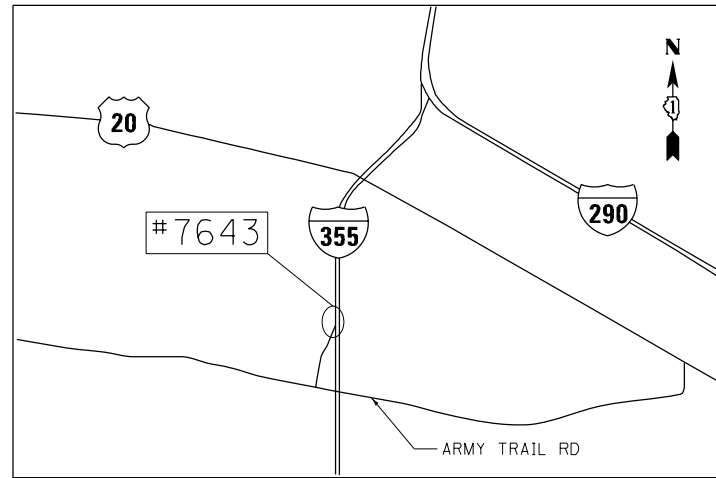
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN
GUARDRAIL IMPROVEMENTS - COOK COUNTY

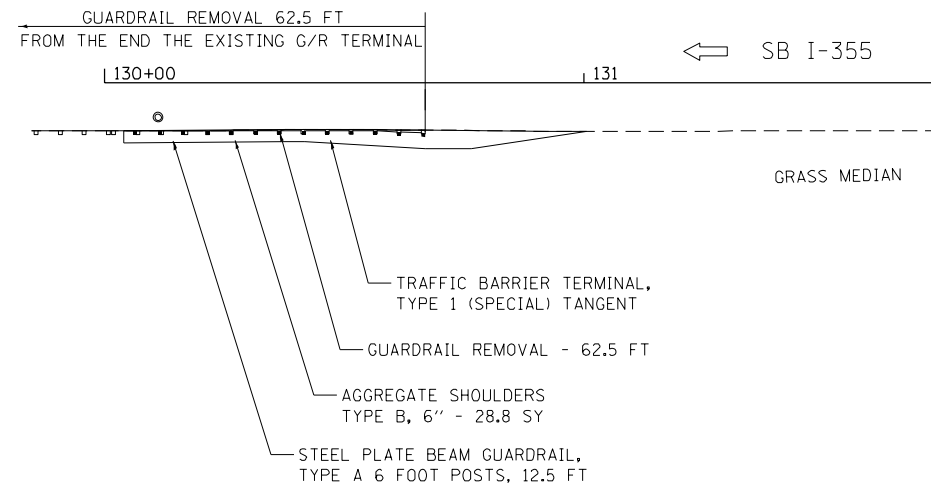
SCALE: 1"=20' SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2016-005GRR	COOK/DUPAGE	23	9
*VARIOUS			CONTRACT NO. 62C13	
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				

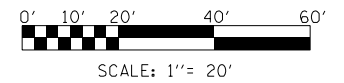
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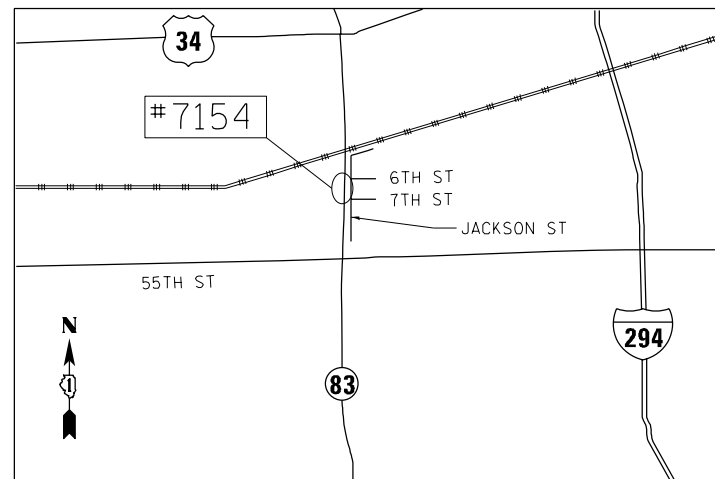
LOCATION #7643
OVERHEAD SIGN TRUSS
SB I-355 (LEFT-MEDIAN) AT ARMY TRAIL RD EXIT



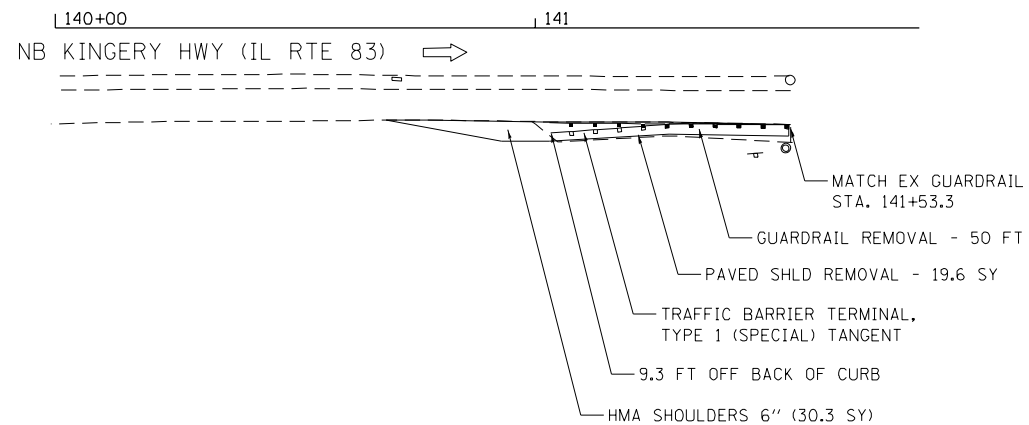
EARTH EXCAVATION: 4.8 CY



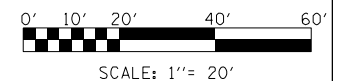
GUARDRAIL ID No. 7643



LOCATION #7154
NB KINGERY HWY (IL RTE 83), 0.5 MILES NORTH OF 55TH ST



EARTH EXCAVATION: 1.6 CY



GUARDRAIL ID No. 7154

FILE NAME = P:\2014\ME14027_Ver-Var-PhII\W015_GR_Terminal_Updates\CADD\Shts\162C13_SHT07.dgn
 PLOT SCALE = 48.0000 / 1"
 USER NAME = Millennium Professional Services



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CHECKED - TVN	REVISED -
DATE - 3/31/2016	REVISED -

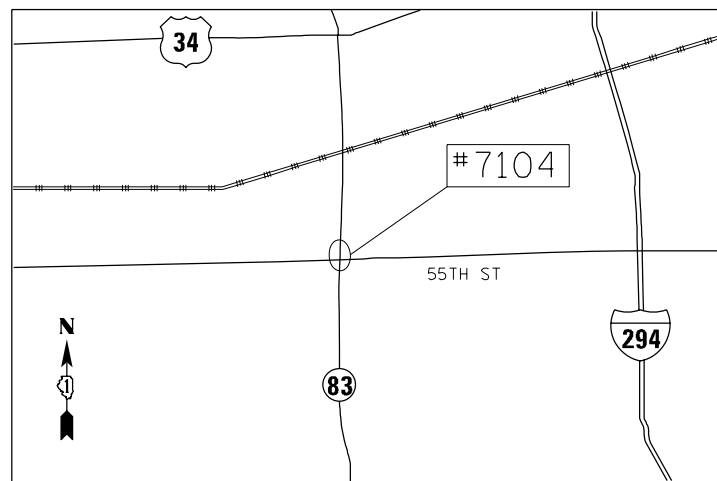
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN
GUARDRAIL IMPROVEMENTS - DUPAGE COUNTY

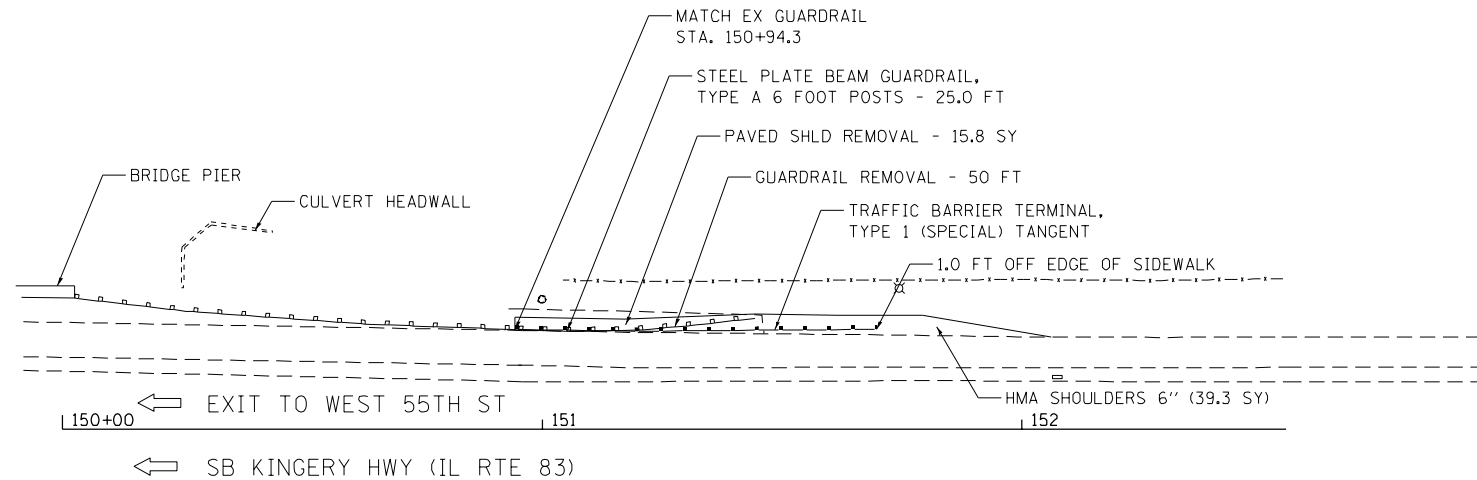
SCALE: 1"=20' SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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*VARIOUS			CONTRACT NO. 62C13	
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				

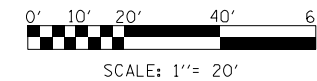
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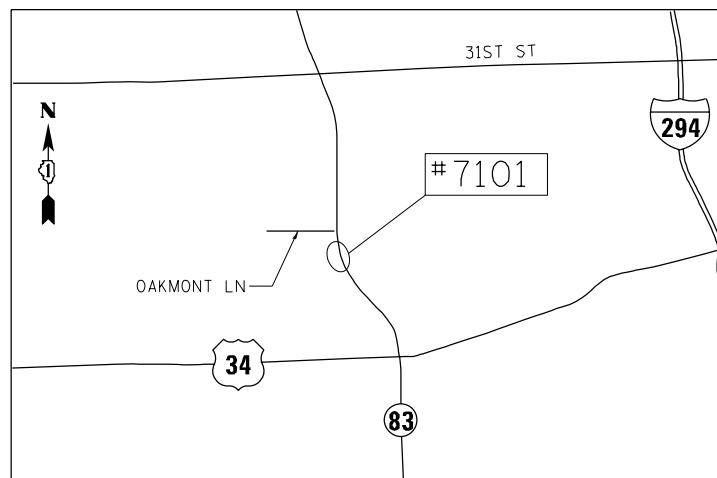
LOCATION #7104
SB KINGERY HWY (IL RTE 83),
GUARDRAIL MOUNTED TO NORTH SIDE OF 55TH ST BRIDGE PIER



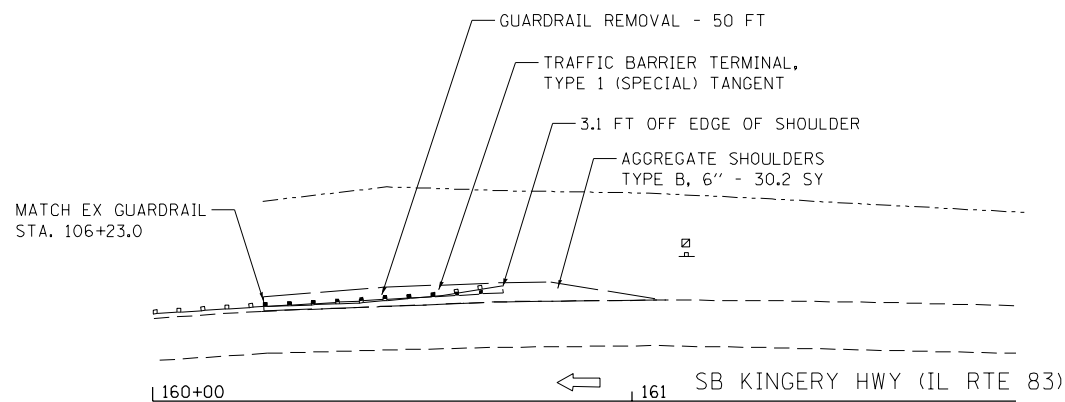
EARTH EXCAVATION: 3.5 CY



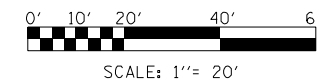
GUARDRAIL ID No. 7104



LOCATION #7101
SB KINGERY HWY (IL RTE 83),
500 FT SOUTH OF OAKMONT LN



EARTH EXCAVATION: 5.0 CY



GUARDRAIL ID No. 7101

FILE NAME = P:\2014\ME14027_Ver-Var-Ph1\1\015_GR_Terminal_Updates\CADD\Shts\162C13_SHT08.dgn
 PLOT SCALE = 48.0000 / 1"
 USER NAME = Millennium Professional Services



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CHECKED - TVN	REVISED -
DATE - 4/18/2016	REVISED -

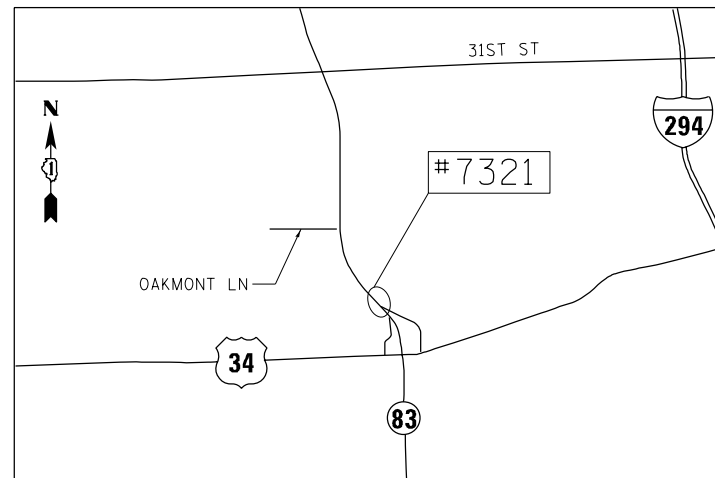
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN
GUARDRAIL IMPROVEMENTS - DUPAGE COUNTY

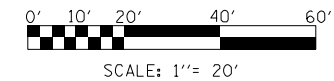
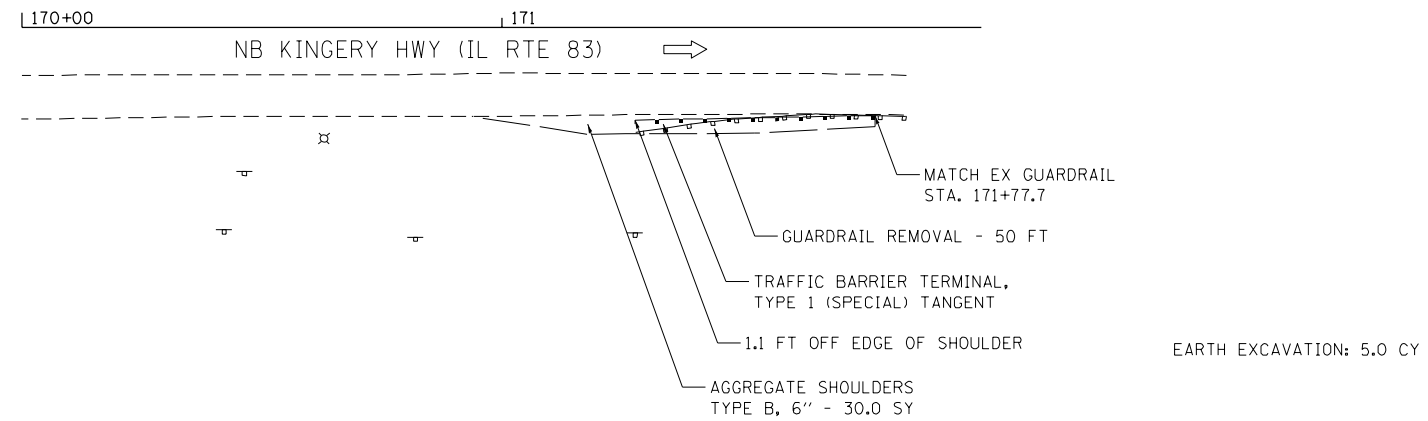
SCALE: 1"=20' SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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*VARIOUS			CONTRACT NO. 62C13	
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				

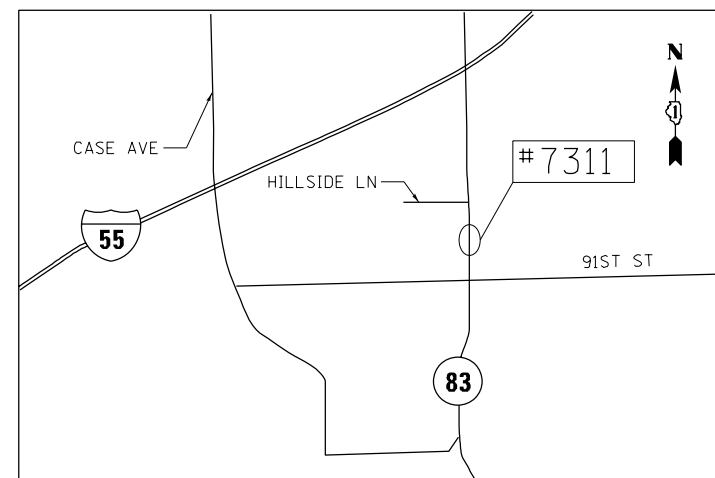
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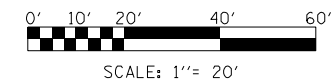
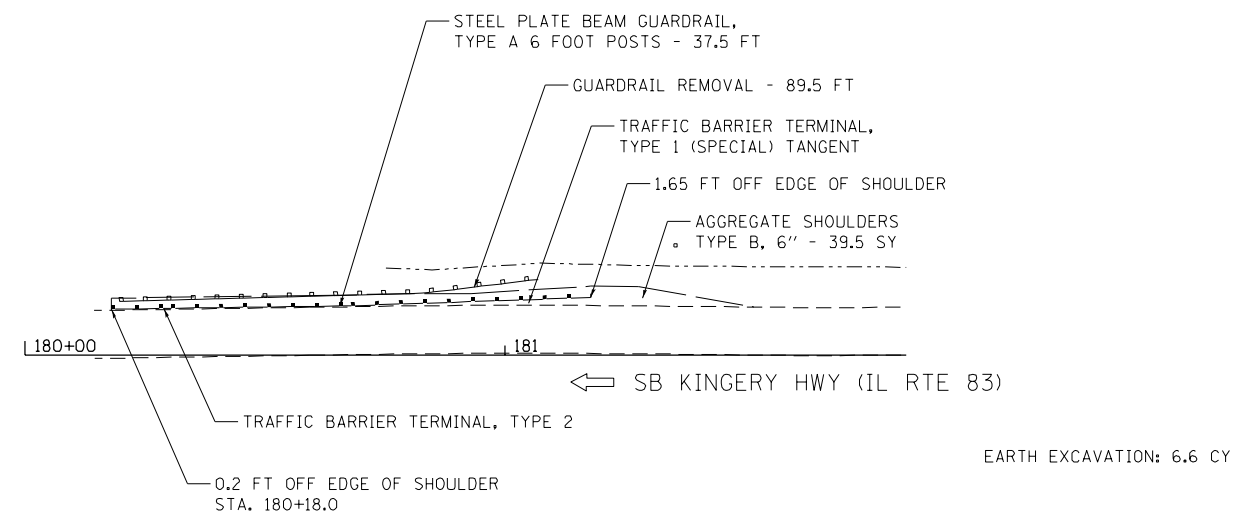
LOCATION #7321
NB KINGERY HWY (IL RTE 83),
0.3 MILE NORTH OF US-34 (AT ENTRANCE FROM US-34)



GUARDRAIL ID No. 7321



LOCATION #7311
SB KINGERY HWY (IL RTE 83),
0.2 MILE SOUTH OF HILLSIDE LN



GUARDRAIL ID No. 7311

FILE NAME = P:\2014\ME14027_Ver-Var-Ph1\1\015_GR_Terminal_Updates\CADD\Shts\162C13_SHT09.dgn
 PLOT SCALE = 48.0000 / 1"
 USER NAME = Millennium Professional Services



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DRAWN - JP	REVISED -
CHECKED - TVN	REVISED -
DATE - 3/31/2016	REVISED -

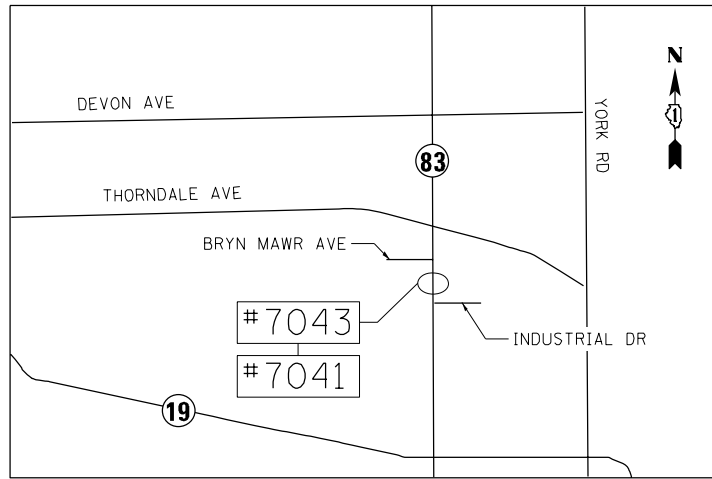
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN
GUARDRAIL IMPROVEMENTS - DUPAGE COUNTY

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

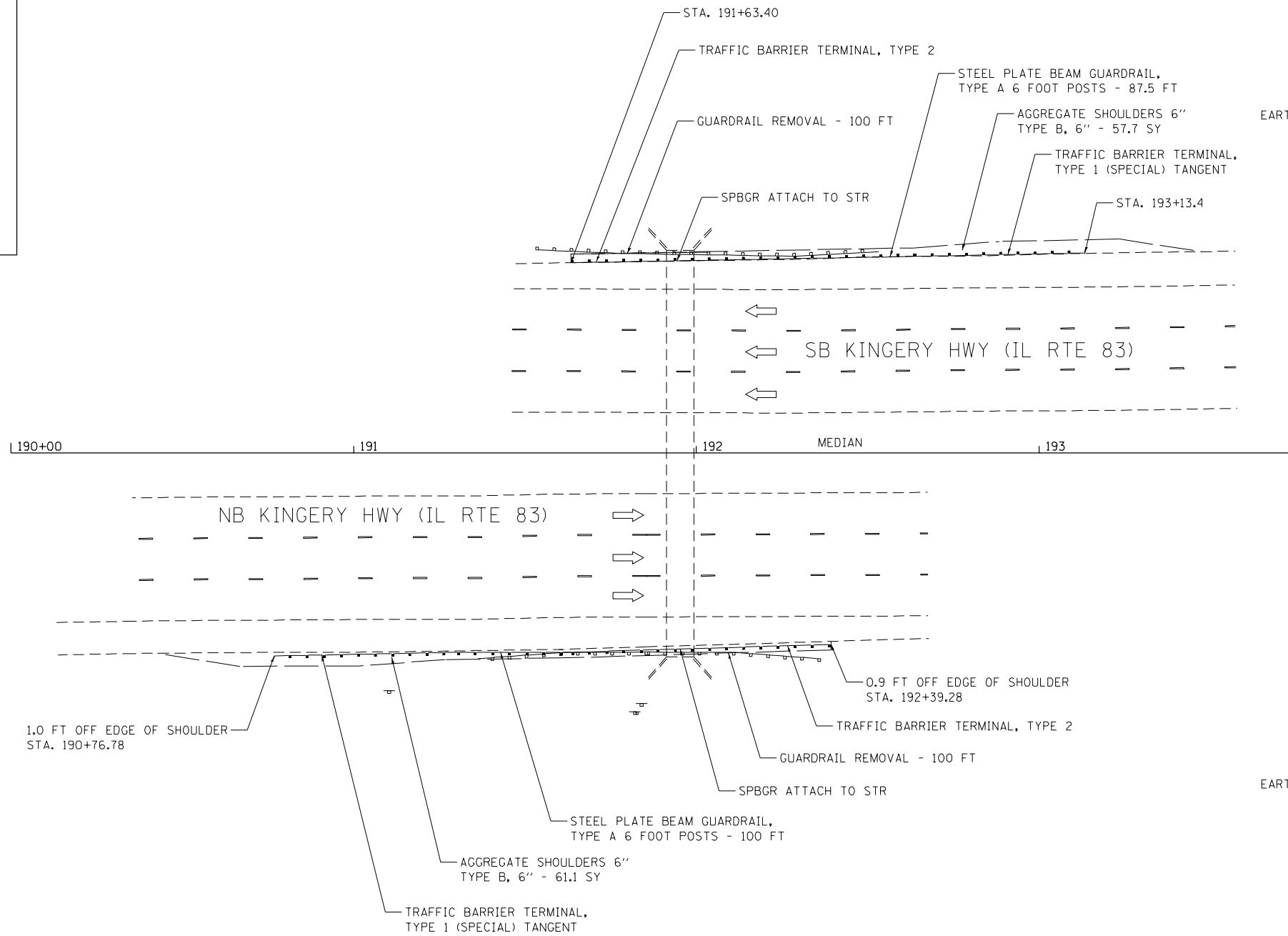
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2016-005GRR	COOK/DUPAGE	23	12
*VARIOUS			CONTRACT NO. 62C13	
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				

P:\2014\ME14027_Ver-Var-Ph1\1\015_GR_Terminal_Updates\CADD\Shts\162C13_SHT09.dgn



LOCATION #7043
SB KINGERY HWY (IL RTE 83),
550 FT SOUTH OF BRYN MAWR AVE

LOCATION #7041
NB KINGERY HWY (IL RTE 83),
350 FT NORTH OF INDUSTRIAL DR

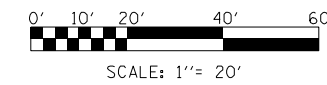


EARTH EXCAVATION: 9.6 CY

GUARDRAIL ID 7043

GUARDRAIL ID 7041

EARTH EXCAVATION: 10.2 CY



FILE NAME = P:\2014\NEW\1027_Ver-Var-Ph\IL\NOIS_Gr_Terminal_Updates\CADD\Shets\162C13_SHT10.dgn
 PLOT SCALE = 48.0000 / 1"
 USER NAME = Millennia Professional Services



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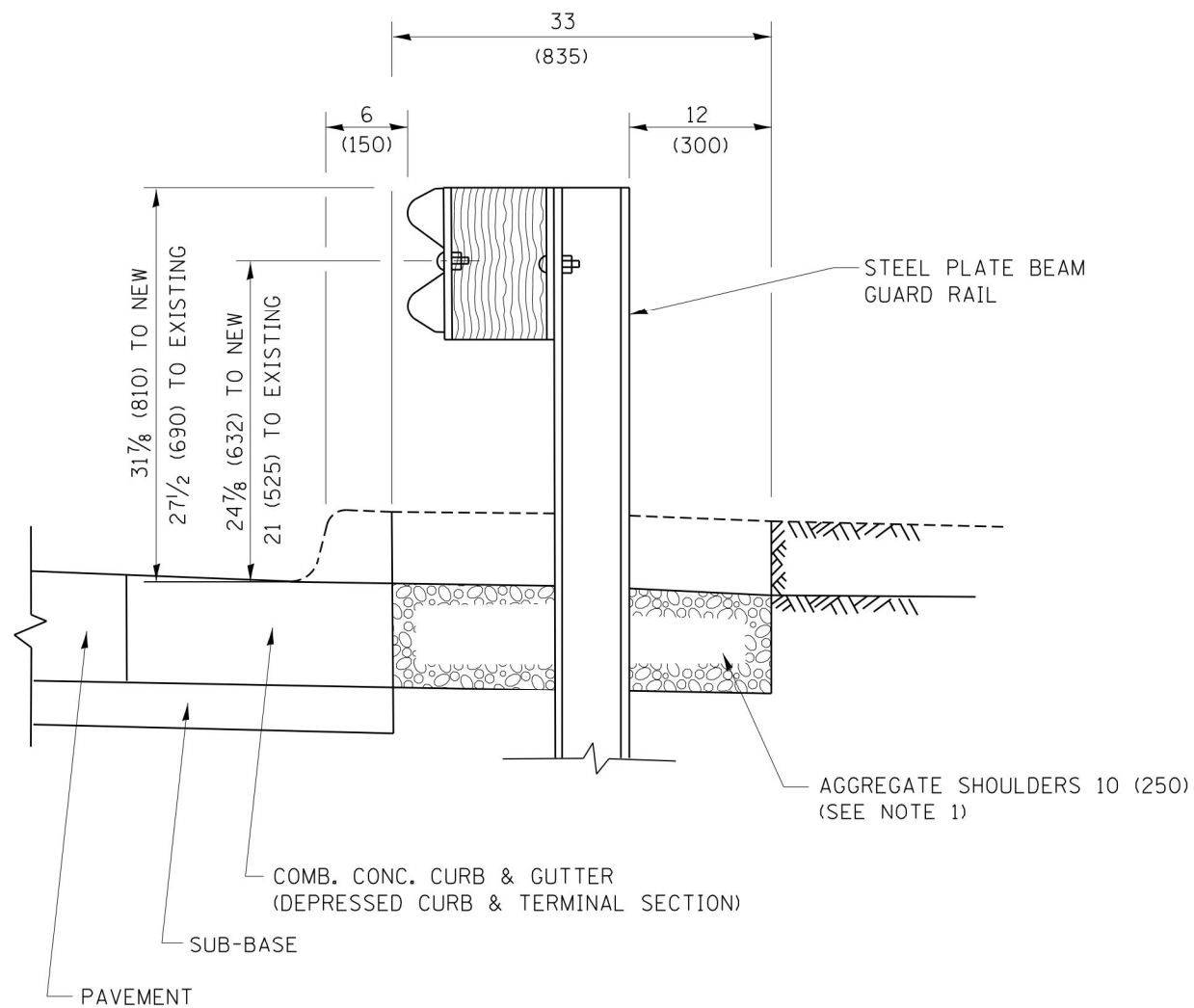
DESIGNED - AA	REVISED -
DRAWN - JP	REVISED -
CHECKED - TVN	REVISED -
DATE - 3/31/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN
GUARDRAIL IMPROVEMENTS - DUPAGE COUNTY

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

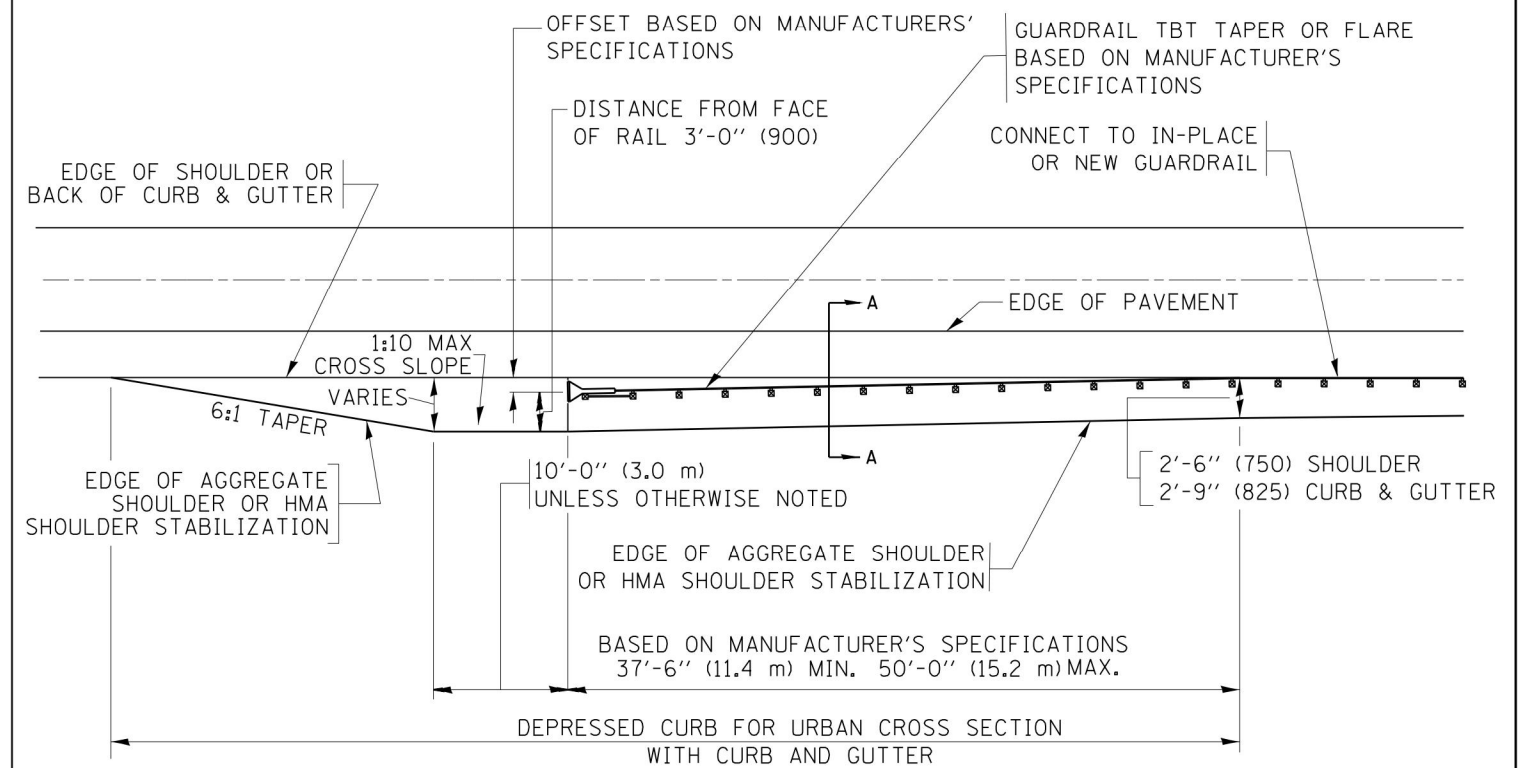
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2016-005GRR	COOK/DUPAGE	23	13
*VARIOUS			CONTRACT NO. 62C13	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



SECTION A-A

- NOTES:
1. THE AGGREGATE SHOULDER, 10 (250) OR HMA SHOULDER, 6 (150) (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.**

AGGREGATE SHOULDER, 10 (250) WILL BE PAID ACCORDING TO SECTION 481.

HMA SHOULDERS 6 (150) (IF REQUIRED) WILL BE PAID ACCORDING TO SECTION 482.

COMB. CONC. C&G, 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.

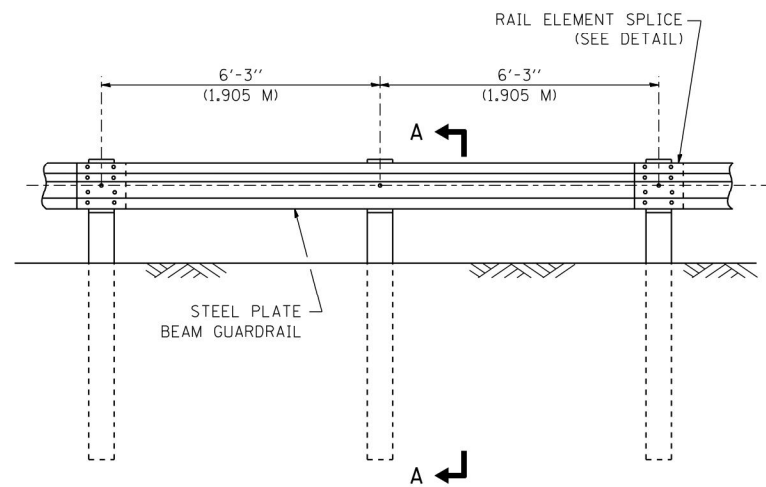
FILE NAME =	USER NAME = drivakosgn	DESIGNED - M. DE YONG	REVISED - R. BORO 12-08-2008
pw\l\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\Dist...DRAWN\CADDData\CADsheets\bd34.dgn		CHECKED -	REVISED - R. BORO 09-14-2009
Default	PLOT SCALE = 50.0000' / in.	DATE - 09-22-90	REVISED - R. BORO 08-06-2012
	PLOT DATE = 12/21/2015		REVISED - R. BORO 05-08-2015

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

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

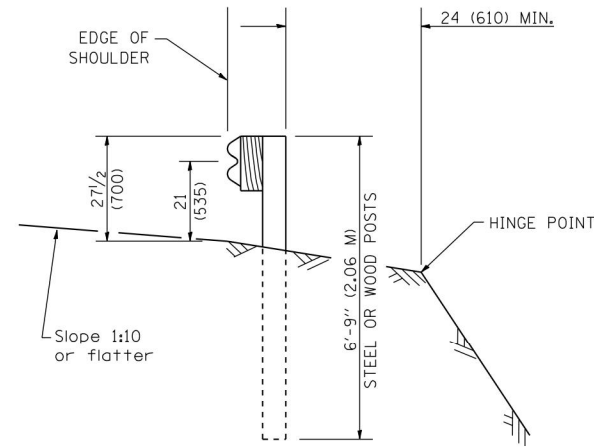
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2016-005GRR	COOK/DUPAGE	23	14
BD600-10 (BD 34)		CONTRACT NO. 62C13		
ILLINOIS FED. AID PROJECT				



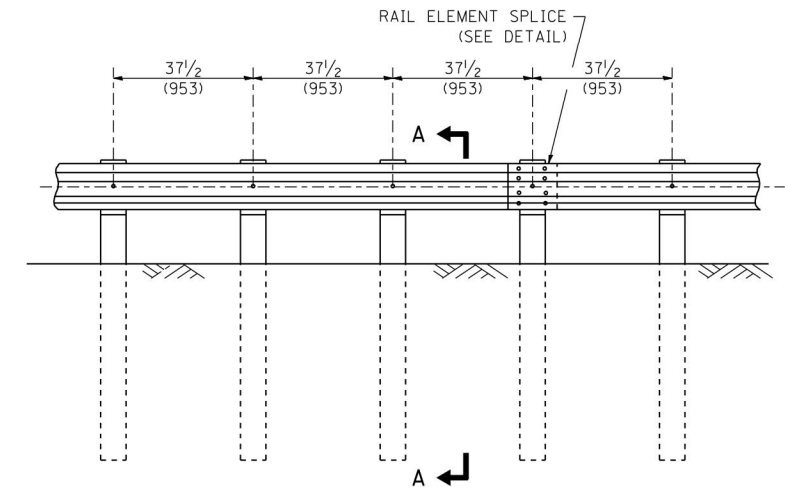
ELEVATION

TYPE A

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



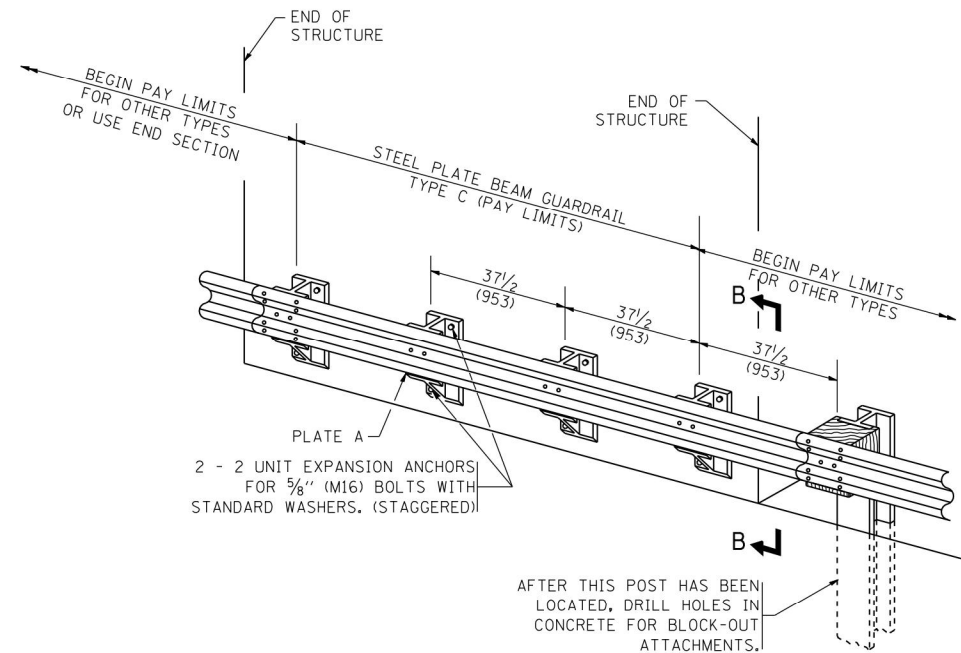
SECTION A-A



ELEVATION

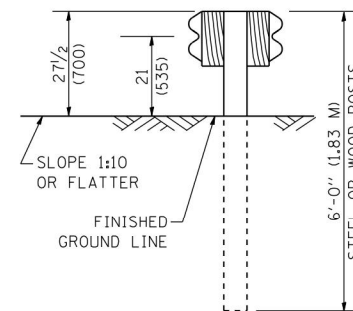
TYPE A

37 1/2 (953) CLOSED POST SPACING

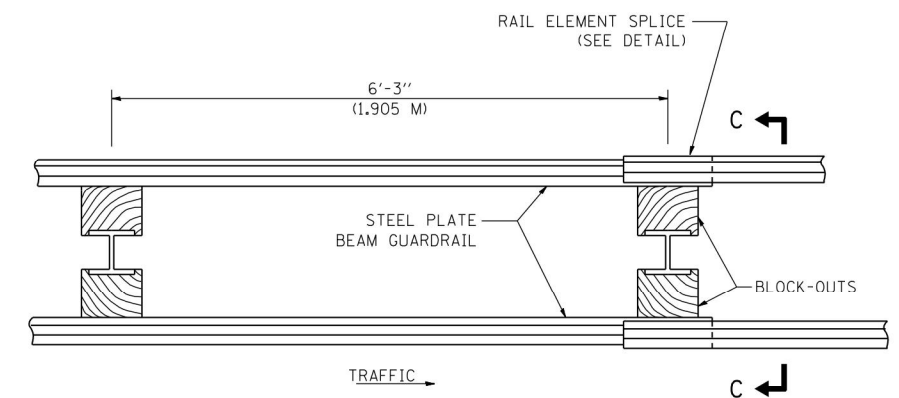


TYPE C

37 1/2 (953) BLOCK-OUT SPACING



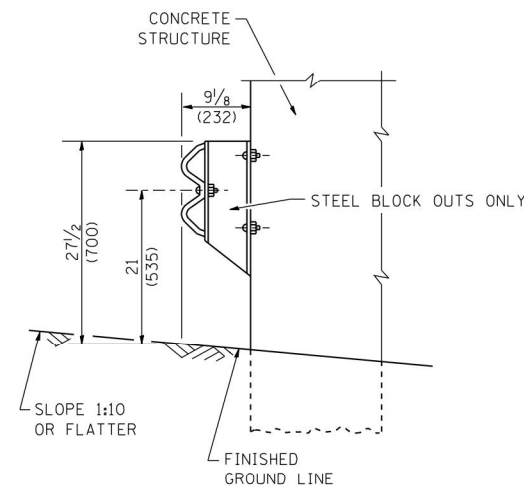
SECTION C-C



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.

FILE NAME = W:\diststd\22x34\bm21.dgn

USER NAME = gaglionobt
PLOT SCALE = 50.0000' / IN.
PLOT DATE = 1/4/2008

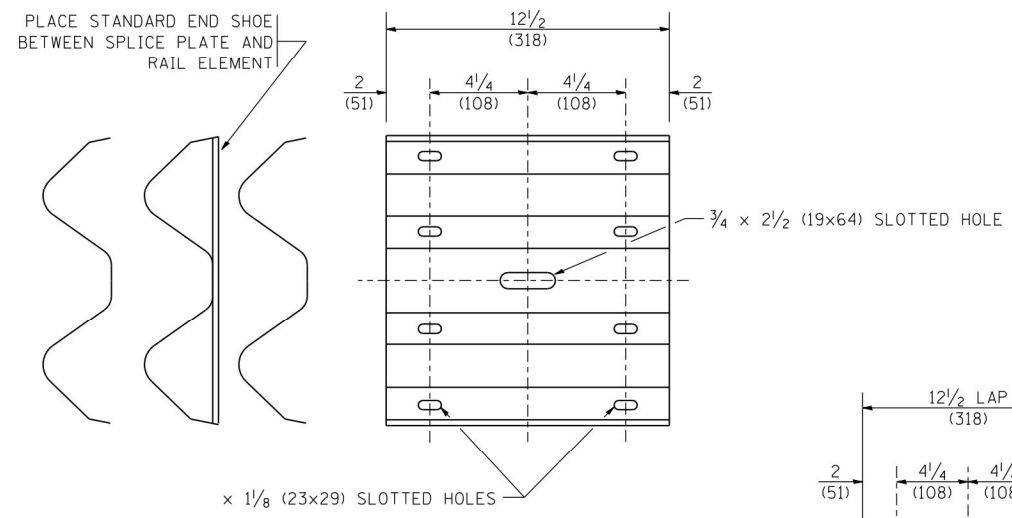
DESIGNED -	REVISED - 10-31-06
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

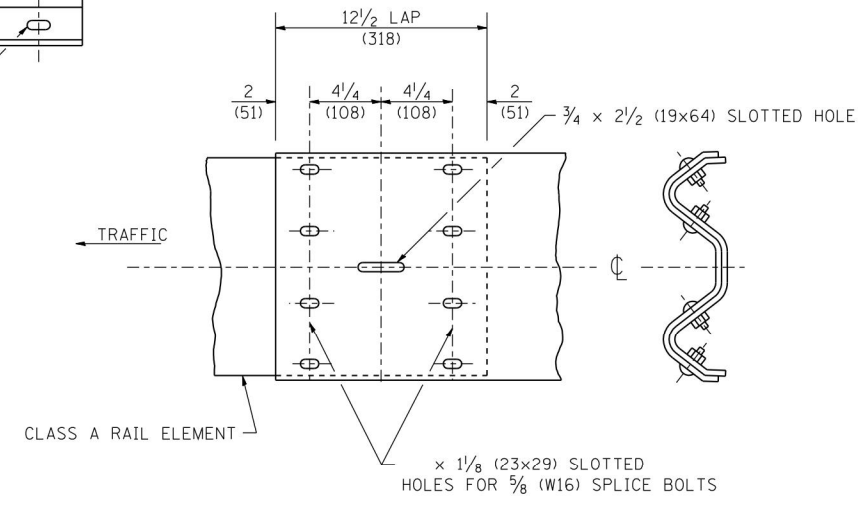
**REMOVE AND REERECT
STEEL PLATE BEAM GUARDRAIL**

SCALE: NONE SHEET NO. 1 OF 4 SHEETS STA. TO STA.

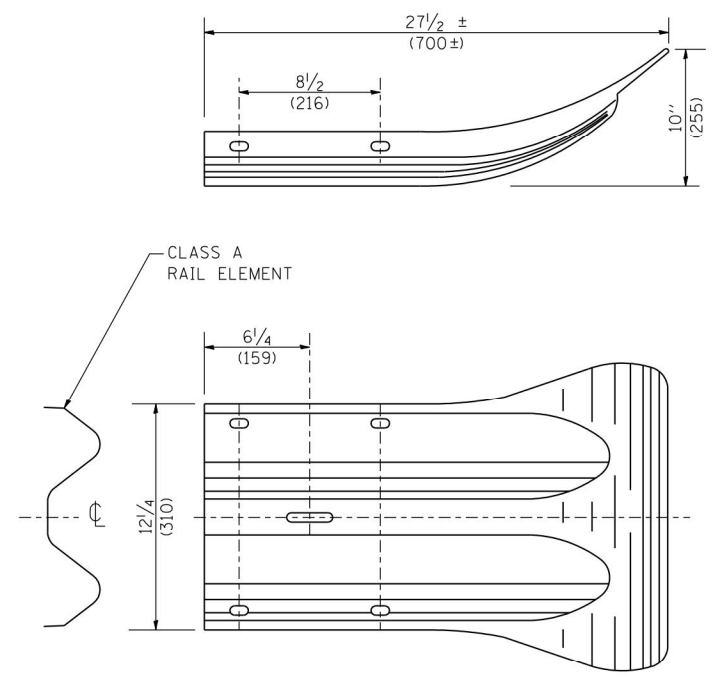
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2016-005GRR	COOK/DUPAGE	23	15
BM-21		CONTRACT NO. 62C13		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



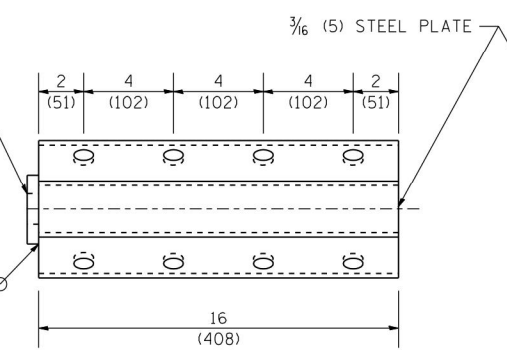
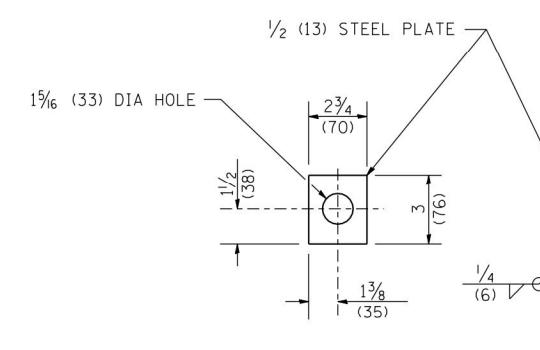
SPLICE PLATE



RAIL ELEMENT SPLICE



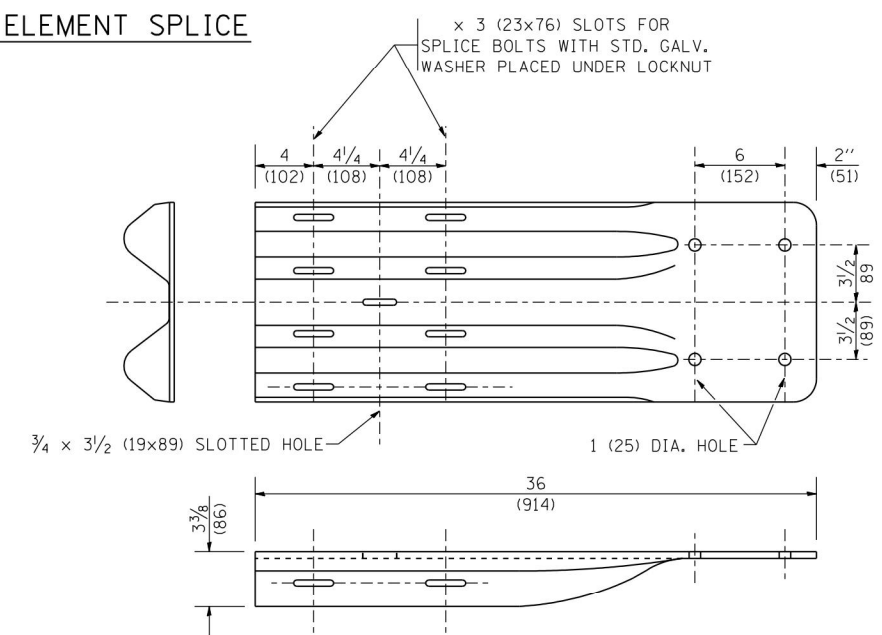
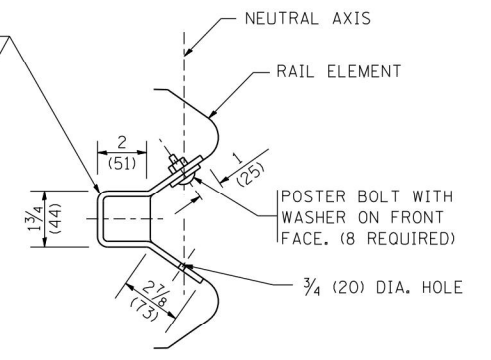
END SECTION



NOTE:

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

ANCHORE PLATE T DETAILS



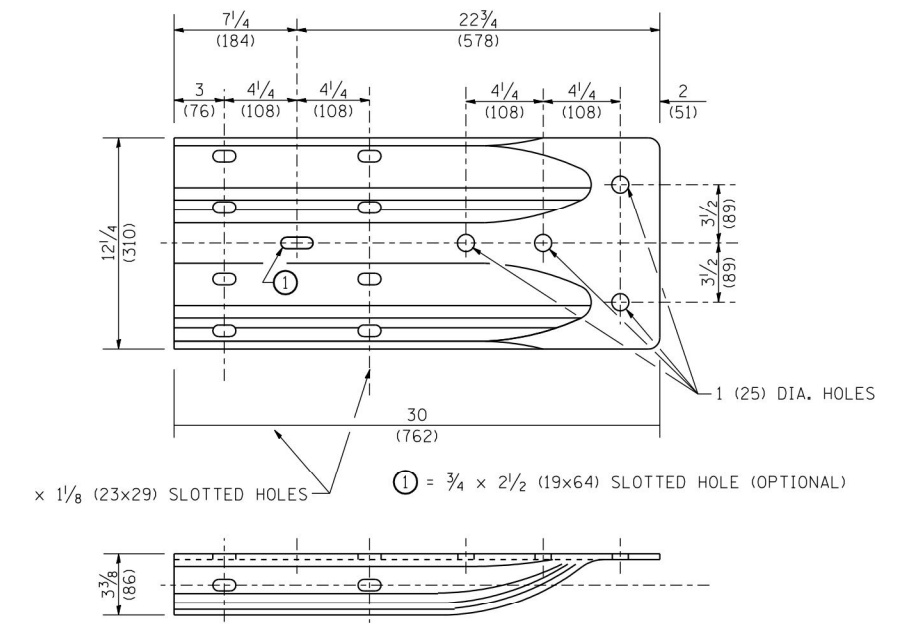
END SHOE

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.

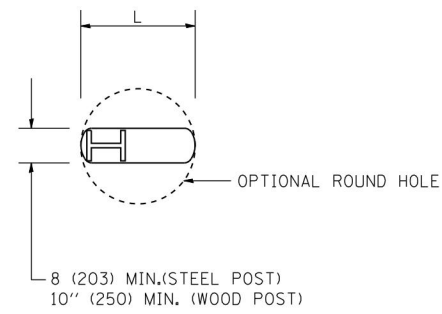
THE STANDARD END SHOE SHALL BE ATTACHED TO THE CONCRETE WITH PRE-DRILLED OR SELF-DRILLING ANCHOR BOLTS. THE ANCHOR CONE SHALL BE SET FLUSH WITH THE SURFACE OF THE CONCRETE.

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

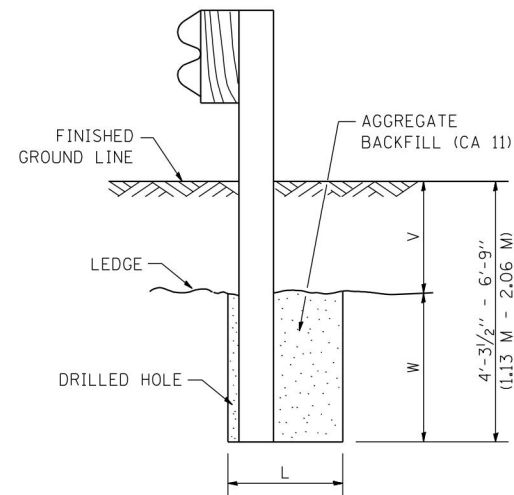


ALTERNATE END SHOE

FILE NAME = W:\diststd\22x34\bm21.dgn	USER NAME = gaglionobt	DESIGNED -	REVISED - 10-31-06	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN -	REVISED -		SCALE: NONE	SHEET NO. 3 OF 4 SHEETS	STA.	TO STA.	VAR	2016-005GRR	COOK/DUPAGE	23	17
		CHECKED -	REVISED -					BM-21		CONTRACT NO. 62C13			
		DATE -	REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT								



PLAN

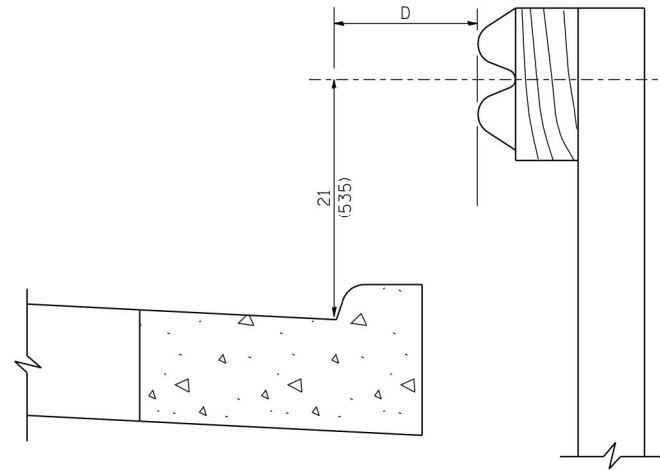


NOTE:

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

ELEVATION

FOOTING FOR POST WHEN IMPERVIOUS MATERIAL IS ENCOUNTERED



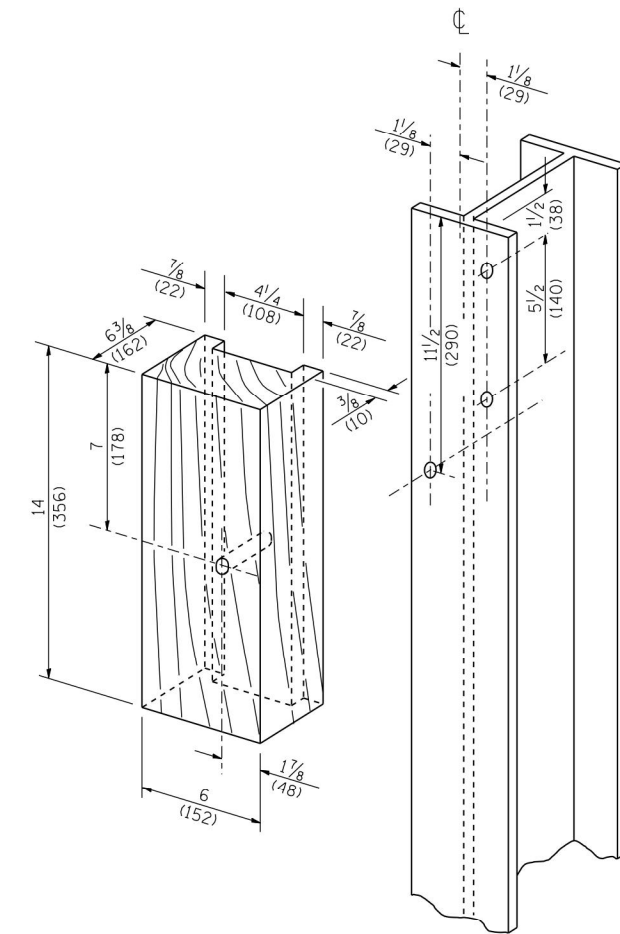
NOTE:

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.

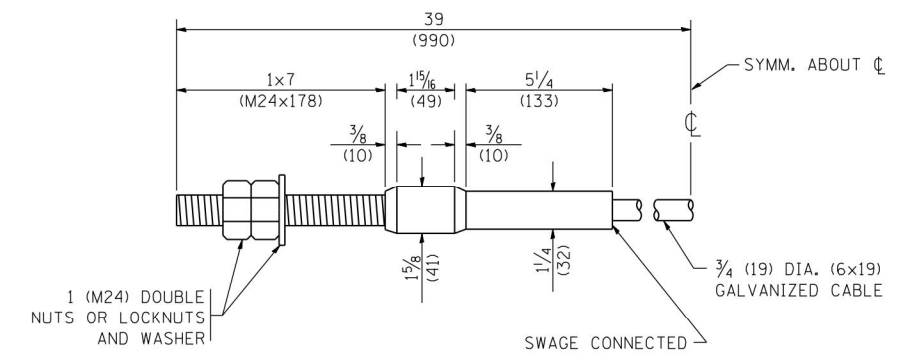
GUARDRAIL PLACED BEHIND CURB

(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)

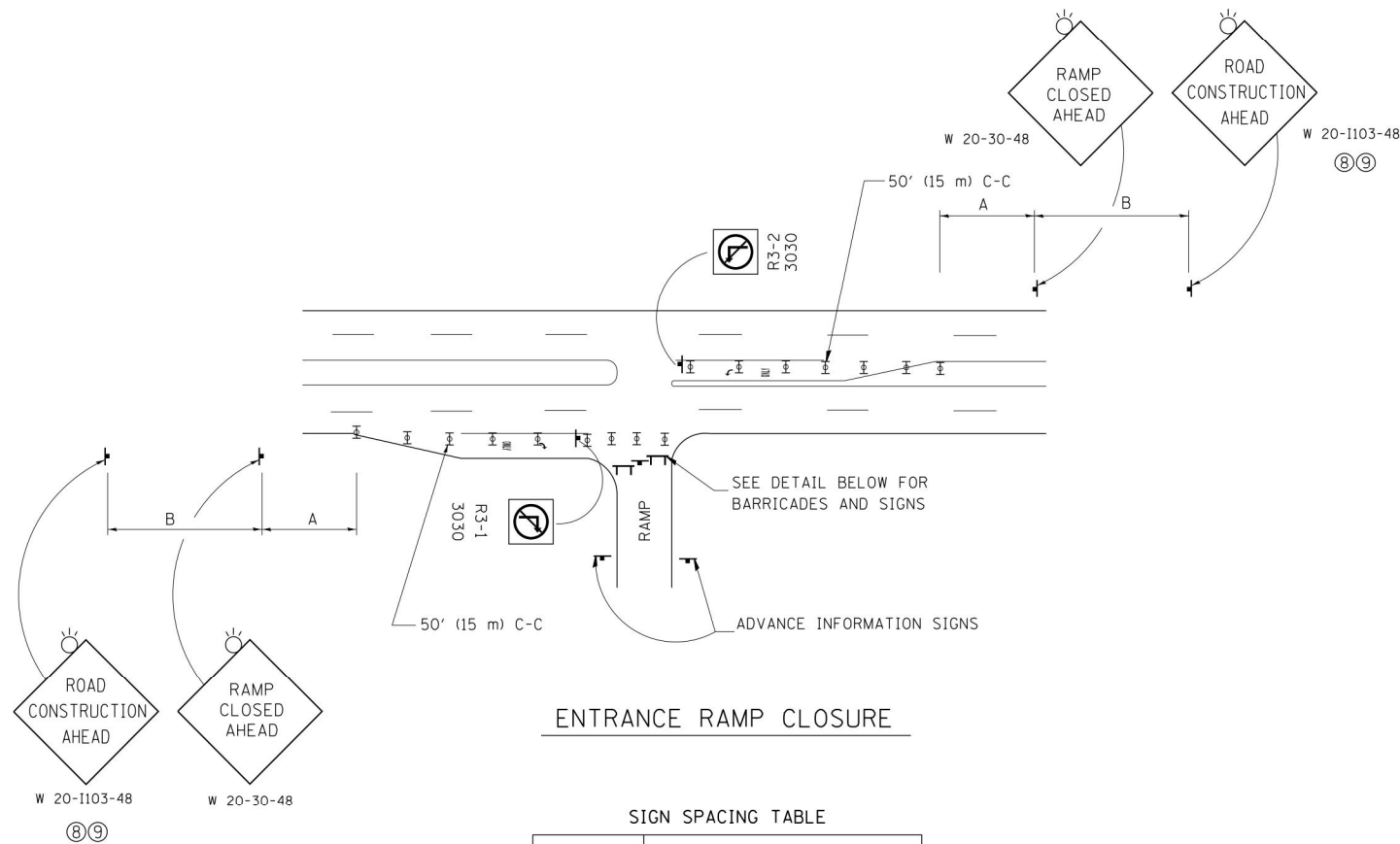


WOOD BLOCK-OUT AND STEEL POST DETAILS



CABLE ASSEMBLY

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

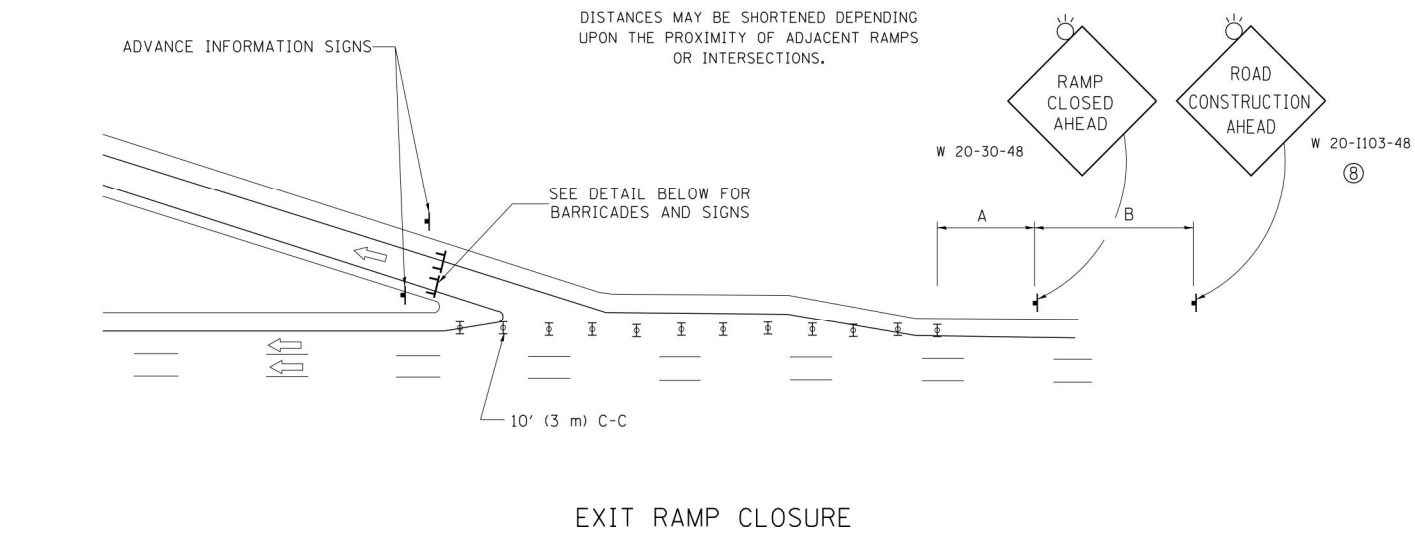


ENTRANCE RAMP CLOSURE

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)

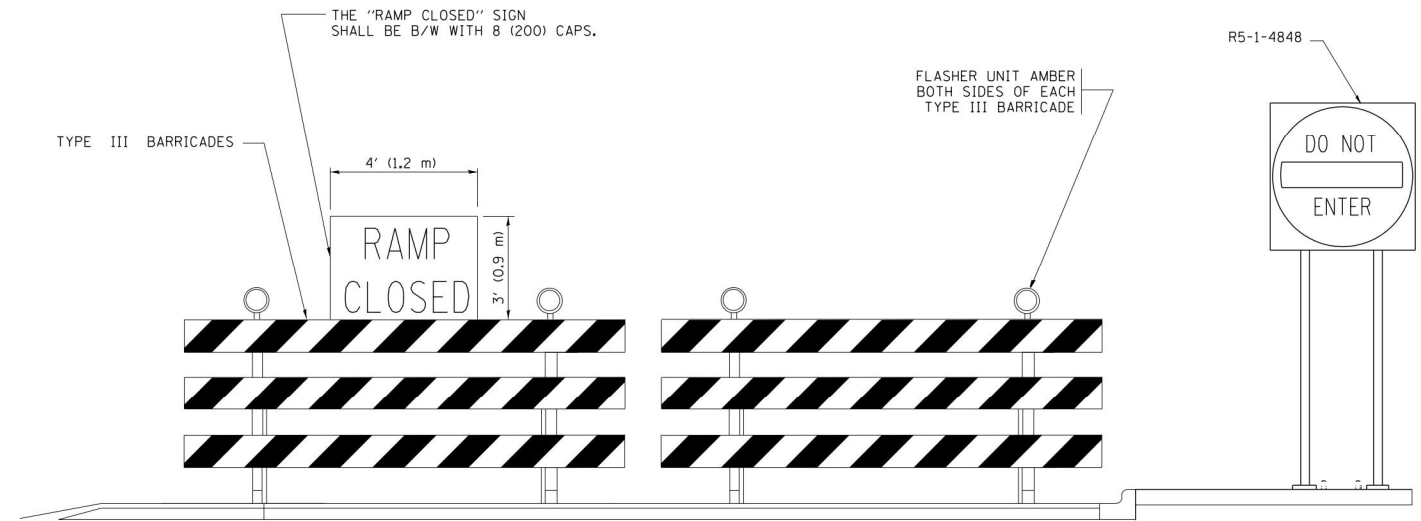
DISTANCES MAY BE SHORTENED DEPENDING UPON THE PROXIMITY OF ADJACENT RAMPS OR INTERSECTIONS.



EXIT RAMP CLOSURE

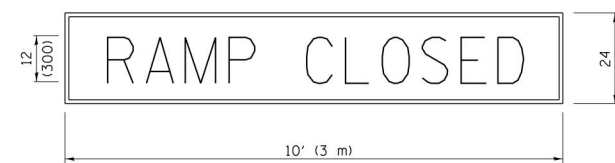
SYMBOLS

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



DETAIL FOR REQUIRED BARRICADES & SIGNS

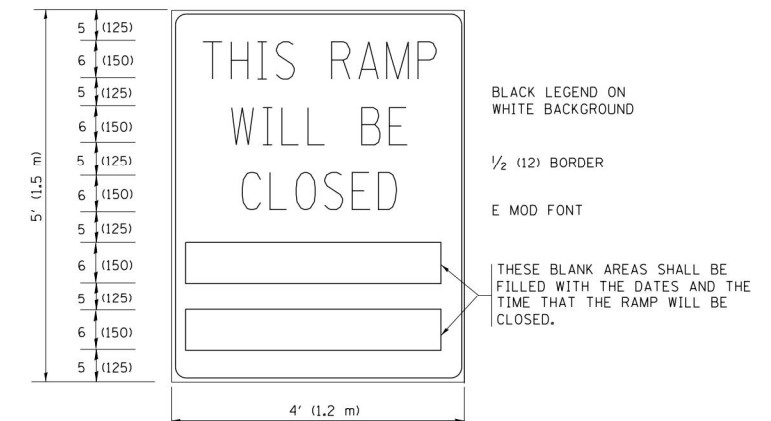
RAMP CLOSURE ADVANCE WARNING SIGN



BLACK LEGEND ON ORANGE BACKGROUND MOUNTED DIAGONALLY
E MOD FONT
1/2 (12) 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 = footemj	DESIGNED - DWS	REVISED - JAF 02-06
cs:\pw\work\p\dot\footemj\d0108315\tc08.dgn		DRAWN -	REVISED - SPB 01-07
	PLOT SCALE = 50.000' / in.	CHECKED -	REVISED - SPB 12-09
	PLOT DATE = 7/8/2013	DATE - 02-83	REVISED - MD 06-13

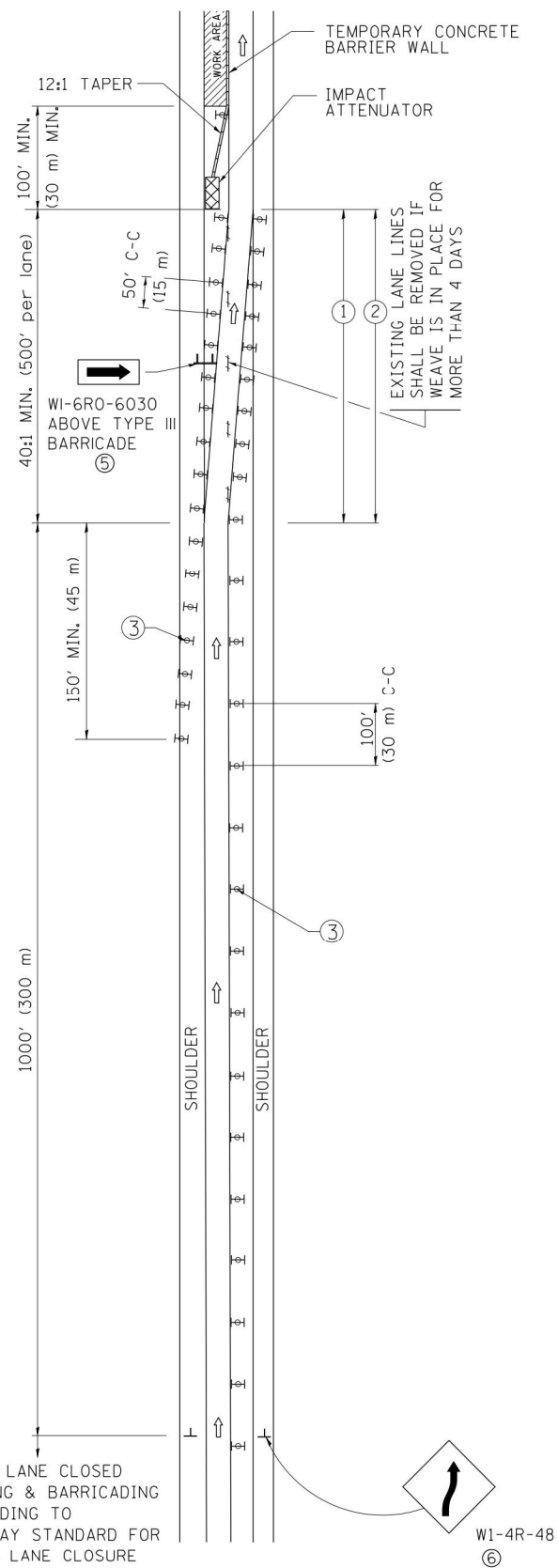
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ENTRANCE AND EXIT RAMP
CLOSURE DETAILS

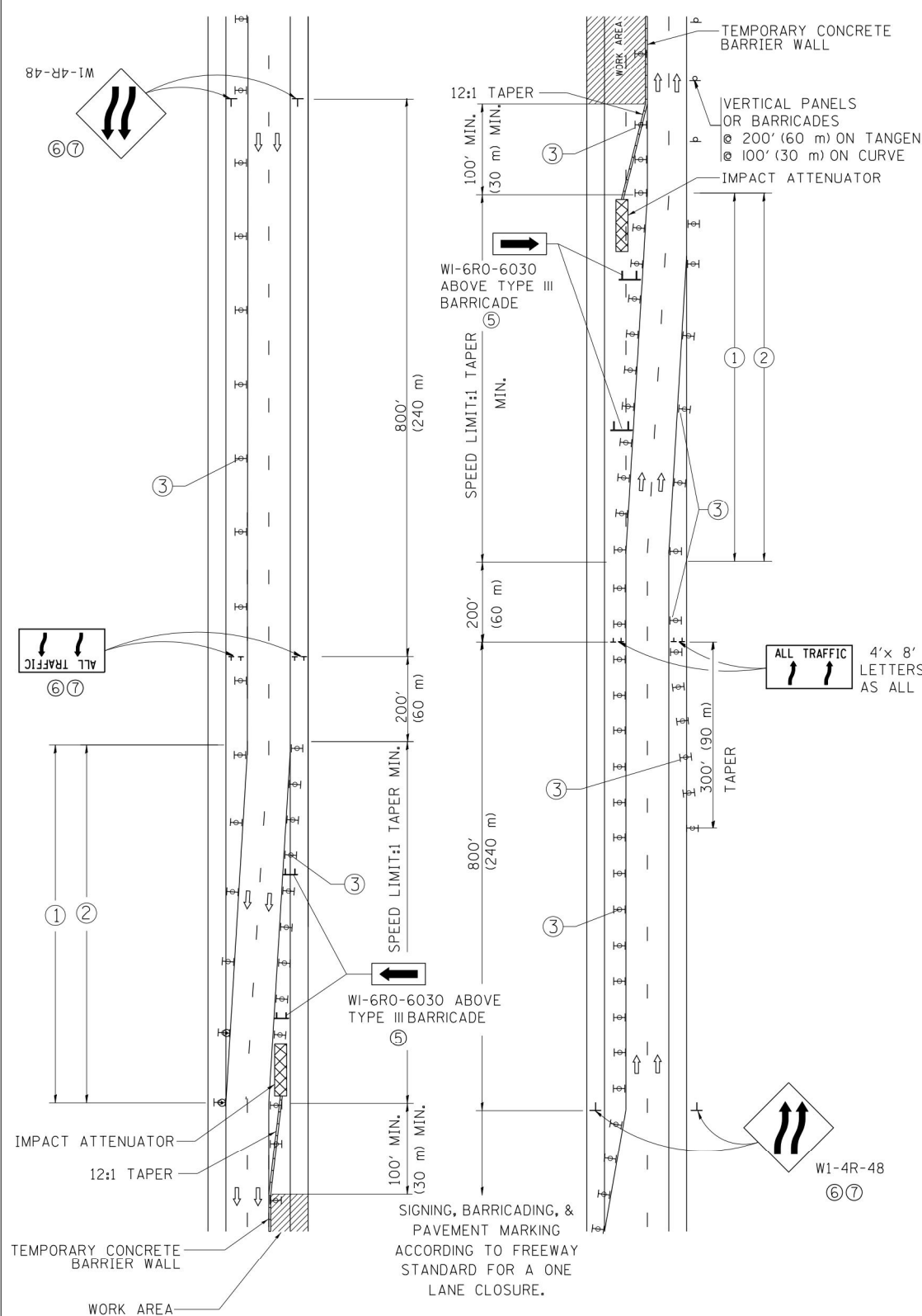
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2016-005GRR	COOK/DUPAGE	23	19
TC-08		CONTRACT NO. 62C13		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SINGLE LANE WEAVE



MULTI-LANE WEAVE



GENERAL NOTES

- ① EXISTING CONFLICTING PAVEMENT MARKING LINES SHALL BE REMOVED. PAVEMENT MARKING REMOVAL SHALL NOT BE REQUIRED FOR SINGLE LANE WEAVES UNDER 4 DAYS IN DURATION.
- ② CONTINUOUS REFLECTIVE TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE TAPER AND FOR 300' (90 m) ALONG SIDE THE WORK AREA WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS. THE LEFT EDGE LINE SHALL BE YELLOW AND THE RIGHT EDGE LINE SHALL BE WHITE. FOR MULTI-LANE WEAVES LANE LINES SHALL BE 5 INCH, 10'-30' (3 m-9 m) SKIP DASH, WHITE.
- ③ PLASTIC DRUMS WITH STEADY BURN LIGHTS AT 50' (15 m) C-C SPACING IN TAPERS AND 100' (30 m) C-C SPACING IN TANGENTS.
- ④ ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- ⑤ TYPE III BARRICADES MAY BE OMITTED FOR SINGLE-LANE WEAVES UNDER 24-HOURS IN DURATION. W1-6 SIGNS WILL STILL BE REQUIRED. IF THE WIDTH OF OFFSET IS LESS THAN 6' THEN THE TYPE III BARRICADE WITH ATTACHED ARROW SIGN PANEL CAN BE ELIMINATED IN THE TAPER AREAS.
- ⑥ WHEN THE LENGTH OF THE SHIFTED SEGMENT (DISTANCE BETWEEN WEAVE POINTS) IS LESS THAN 1500', DOUBLE REVERSE CURVE SIGNS (W24-1) SHOULD BE USED INSTEAD OF THE REVERSE CURVE (W1-4) SIGNS. ARROWS ON THE 4'X8' "ALL TRAFFIC" SIGNS SHALL BE THE SAME SHAPE.
- ⑦ THE NUMBER OF ARROWS ON THESE SIGNS SHALL MATCH THE NUMBER OF LANES OPEN TO TRAFFIC.

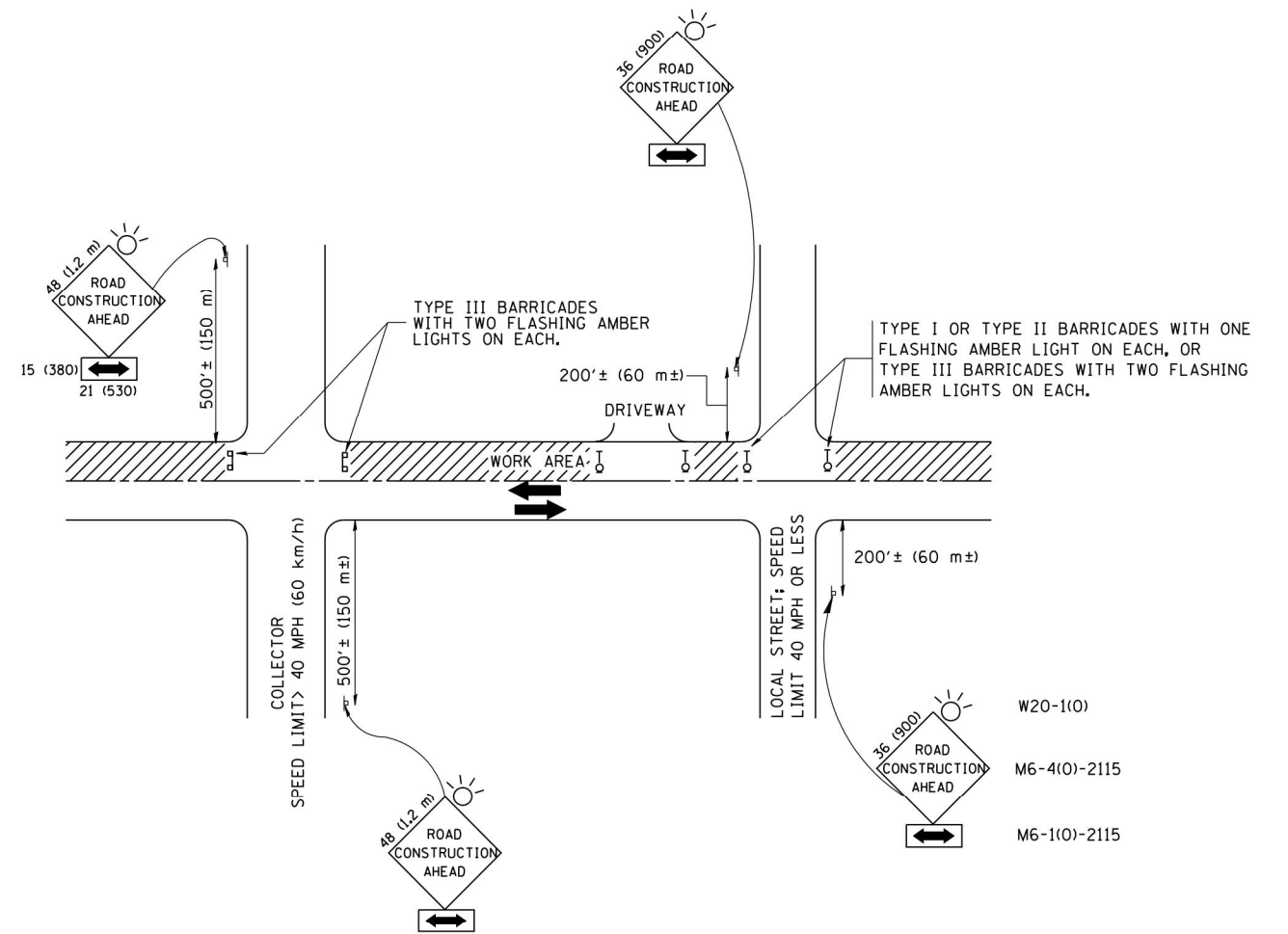
4'x 8' (1.2 m x 2.4 m); 1 (25) BORDER; 10 (250) CAPITAL LETTERS BACKGROUND SHEETING SHALL BE THE SAME AS ALL DIAMOND SHAPED CONSTRUCTION SIGNS.

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
⑥
⑦
- W24-1-48
⑦

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME =	USER NAME = footemj	DESIGNED - DWS	REVISED - JAF 02-06	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL DETAILS FOR FREEWAY SINGLE & MULTI-LANE WEAVE	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw\work\p\dot\footemj\d0108315\tc09.dgn		DRAWN -	REVISED - SPB 01-07			VAR	2016-005GRR	COOK/DUPAGE	23	20
		CHECKED -	REVISED - SPB 12-09			TC-09		CONTRACT NO. 62C13		
		DATE - 02-87	REVISED - MD 06-13			SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT



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

NOTES:

A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS

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 AND FLAG 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. 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).

B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:

- USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.
- C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.
- D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

FILE NAME = W:\diststd\22x34\tc10.dgn	USER NAME = gegl@nbt	DESIGNED - LHA	REVISED - J. OBERLE 10-18-95
		DRAWN -	REVISED - A. HOUSEH 03-06-96
	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - A. HOUSEH 10-15-96
	PLOT DATE = 1/4/2008	DATE - 06-89	REVISED - T. RAMMACHER 01-06-00

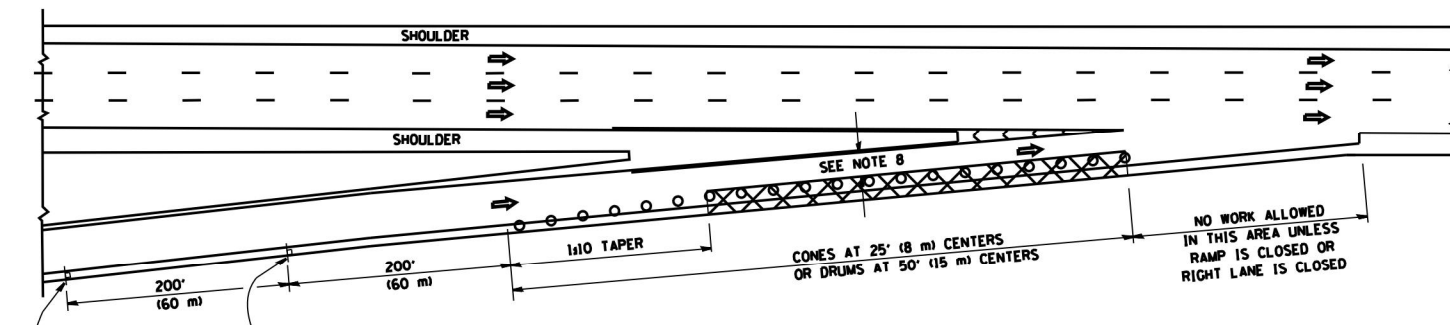
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

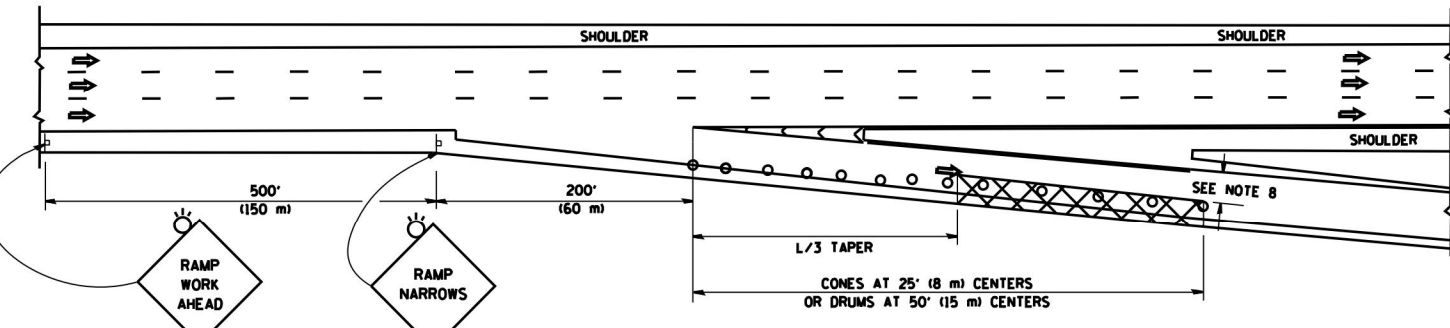
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2016-005GRR	COOK/DUPAGE	23	21
TC-10		CONTRACT NO. 62C13		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

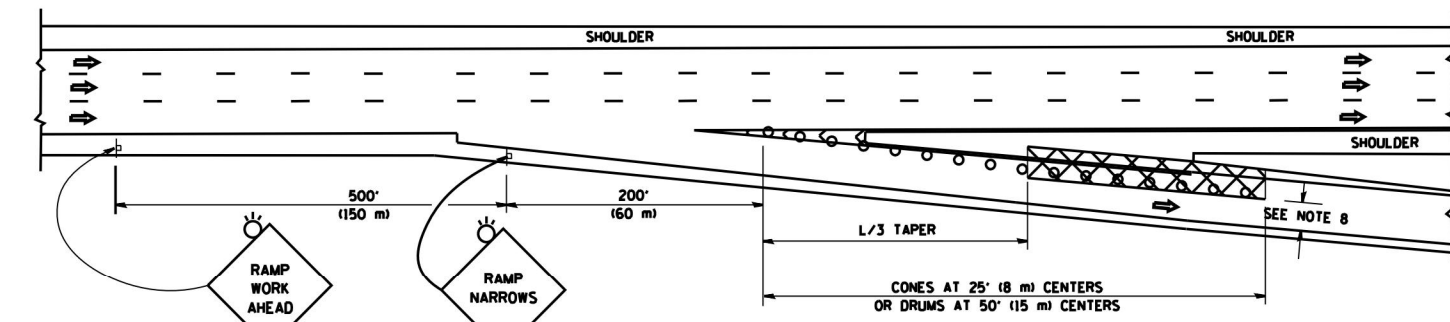
PARTIAL RAMP CLOSURE DETAILS



TYPICAL ENTRANCE RAMP



TYPICAL EXIT RAMP



TYPICAL EXIT RAMP

SYMBOLS

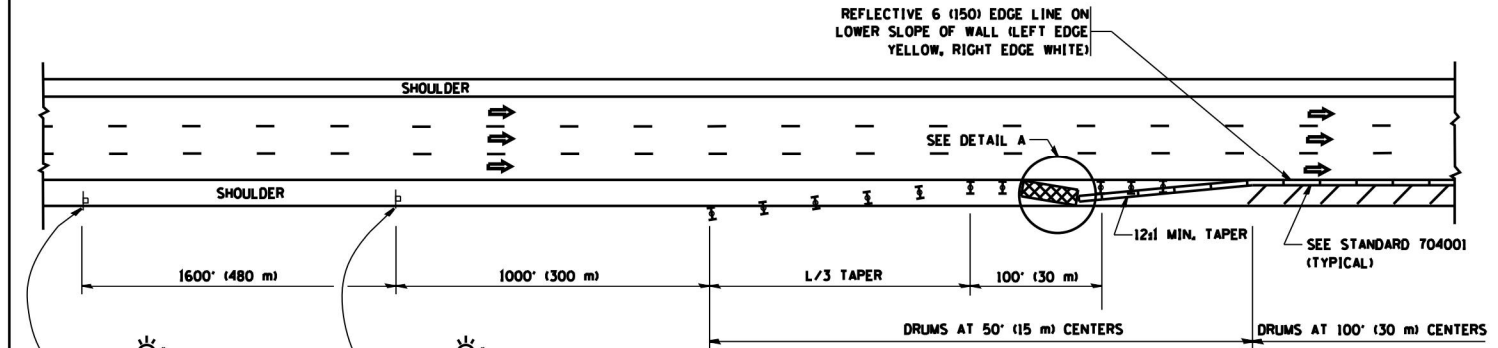
- ACTIVE WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- TYPE II BARRICADE OR DRUM WITH STEADY BURN MONO-DIRECTIONAL LIGHT
- CONE, DRUM OR BARRICADE
- IMPACT ATTENUATOR OF TYPE AND TEST LEVEL SPECIFIED

GENERAL NOTES

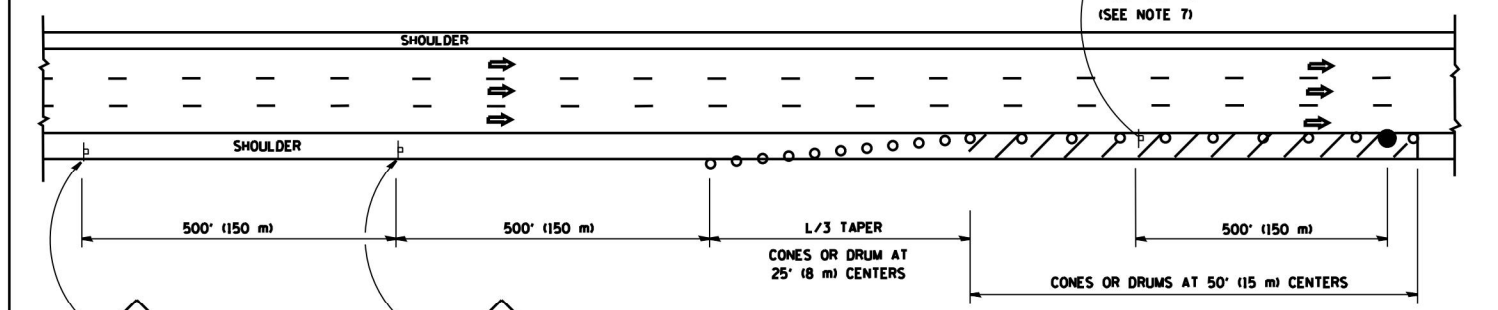
1. THE "L" DISTANCE EQUALS:

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

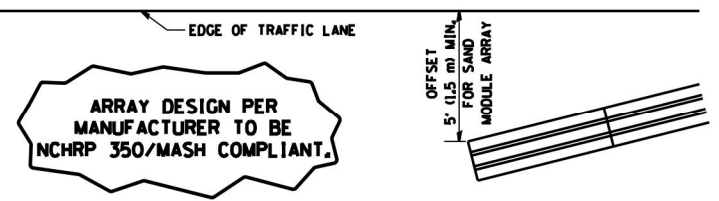


PERMANENT SHOULDER CLOSURE



DAYTIME SHOULDER CLOSURE

THIS DETAIL IS USED WHERE:
1. VEHICLES, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCRUCH IN AN AREA CLOSER THAN 15' (4.5 m) TO THE EDGE OF PAVEMENT FOR A PERIOD IN EXCESS OF 15 MINUTES.

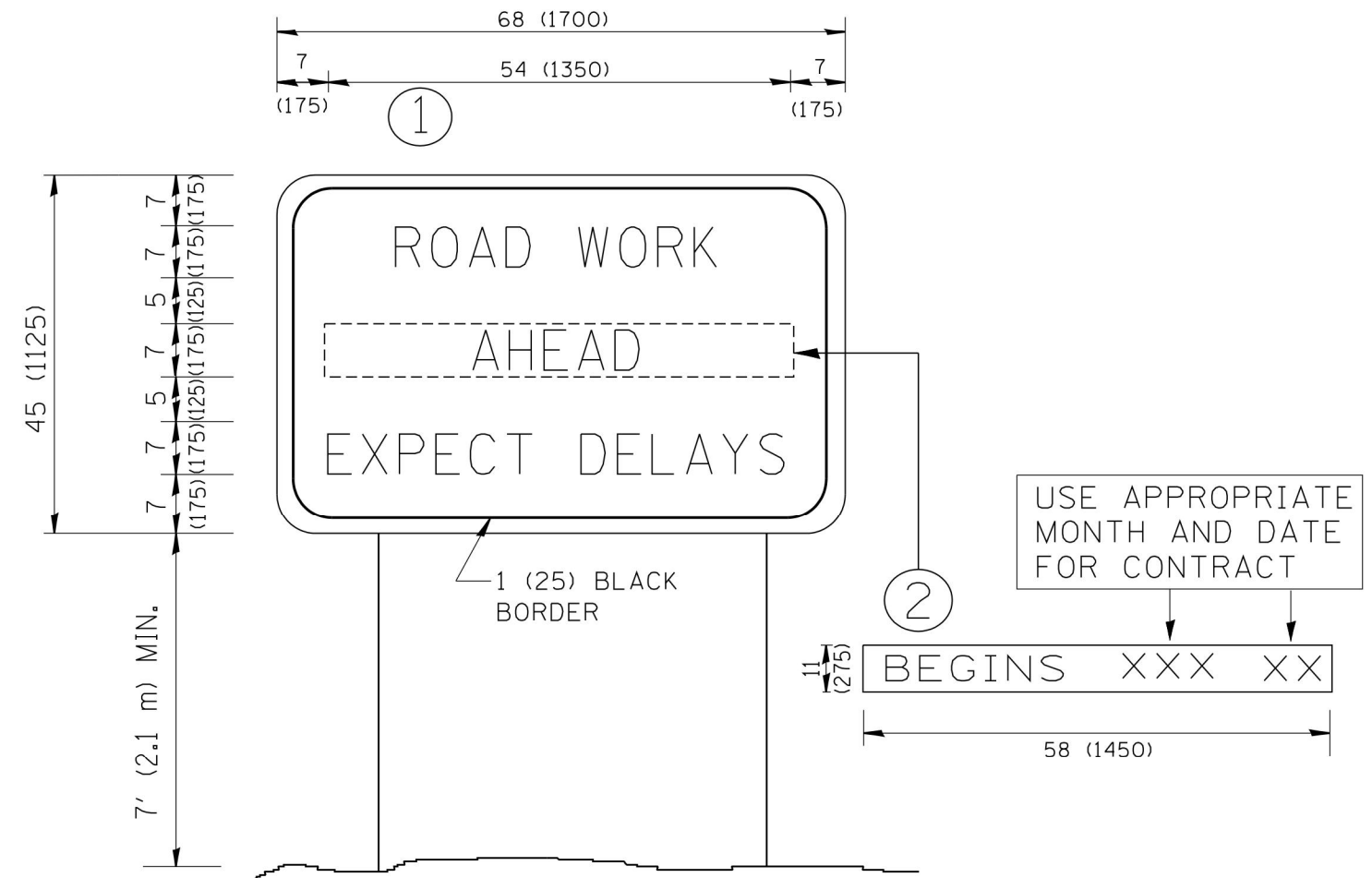


**DETAIL "A"
IMPACT ATTENUATOR, TEMPORARY
(SEE NOTE 5)**

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 ACTIVITY REQUIRES FREQUENT ENCRUCHMENT 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 = lveysa	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. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
es:\pwwork\pwwork\lveysa\0108315\17.dgn		DRAWN - D.W.S.	REVISED - S.P.B. 01-07		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	VAR	2016-005GRR	COOK/DUPAGE	23	22
		CHECKED -	REVISED - S.P.B. 12-09						TC-17		CONTRACT NO.	60C13	
		DATE - 11-96	REVISED - M.D. 06-13						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 = W:\diststd\22x34\tc22.dgn	USER NAME = geglanoht	DESIGNED - DRAWN -	REVISED - R. MIRS 09-15-97 REVISED - R. MIRS 12-11-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ARTERIAL ROAD INFORMATION SIGN			F.A. RTE. VAR	SECTION 2016-005GRR	COUNTY COOK/DUPAGE	TOTAL SHEETS 23	SHEET NO. 23
	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - T. RAMMACHER 02-02-99		SCALE: NONE	SHEET NO. 1	OF 1 SHEETS	STA.	TO STA.	TC-22 CONTRACT NO. 62C13		
	PLOT DATE = 1/4/2008	DATE -	REVISED - C. JUCIUS 01-31-07		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							