

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

D-98-038-11

FOR INDEX OF SHEETS, SEE SHEET NO. 2

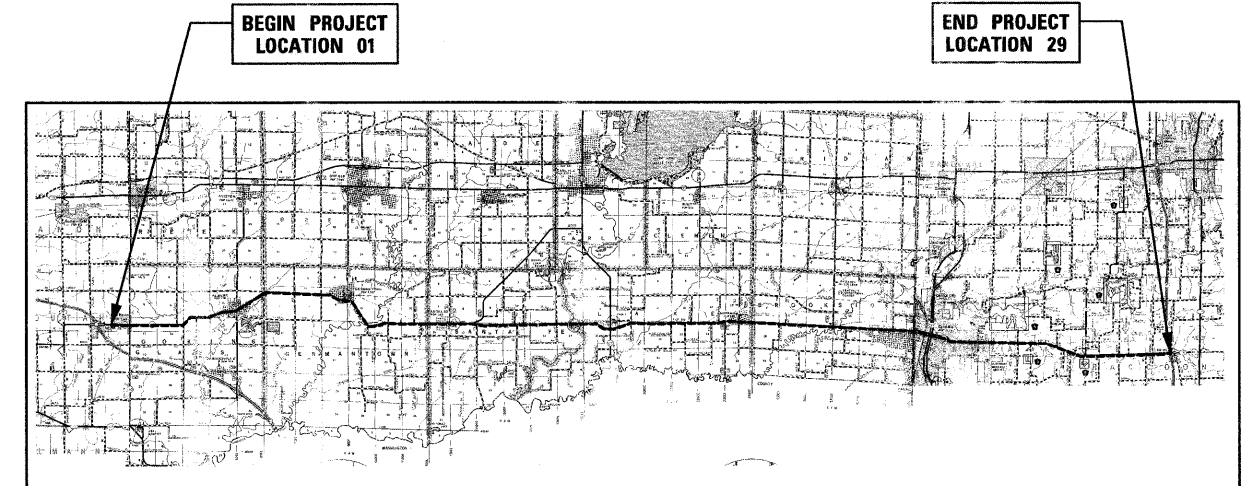
PROPOSED
HIGHWAY PLANS

ROUTE: FAP 805 (IL 161)
SECTION: D8 GUARDRAIL UPDATE 2011
PROJECT: HSIP-0805(074)
TYPE of IMPROVEMENT: GUARDRAIL UPGRADE
VARIOUS COUNTIES

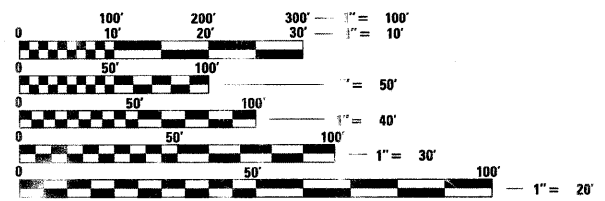
C-98-039-11



Bradley G. Hummert 3/18/2011
BRADLEY G. HUMMERT
 REGISTERED PROFESSIONAL ENGINEER IN ILLINOIS
 NO. 50918 EXPIRES NOV. 30, 2011



N
 (NOT TO SCALE)



ALL 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
 811

LOCATION 01	366 FT. = 0.069 MILE	LOCATION 16A	582 FT. = 0.110 MILE
LOCATION 02	498 FT. = 0.094 MILE	LOCATION 16B	972 FT. = 0.184 MILE
LOCATION 03	603 FT. = 0.114 MILE	LOCATION 17	528 FT. = 0.100 MILE
LOCATION 04	- FT. = - MILE	LOCATION 18	1,317 FT. = 0.249 MILE
LOCATION 05	- FT. = - MILE	LOCATION 19	465 FT. = 0.088 MILE
LOCATION 06	471 FT. = 0.089 MILE	LOCATION 20	517 FT. = 0.098 MILE
LOCATION 07	429 FT. = 0.081 MILE	LOCATION 21	559 FT. = 0.106 MILE
LOCATION 08	- FT. = - MILE	LOCATION 22	504 FT. = 0.095 MILE
LOCATION 09	694 FT. = 0.131 MILE	LOCATION 23	667 FT. = 0.126 MILE
LOCATION 10	467 FT. = 0.088 MILE	LOCATION 24	- FT. = - MILE
LOCATION 11	240 FT. = 0.045 MILE	LOCATION 25	767 FT. = 0.145 MILE
LOCATION 12	1,430 FT. = 0.271 MILE	LOCATION 26	339 FT. = 0.064 MILE
LOCATION 13	1,122 FT. = 0.213 MILE	LOCATION 27	- FT. = - MILE
LOCATION 14	1,072 FT. = 0.203 MILE	LOCATION 28	936 FT. = 0.177 MILE
LOCATION 15	566 FT. = 0.107 MILE	LOCATION 29	881 FT. = 0.167 MILE

GROSS LENGTH = 237,600 FT. = 45.000 MILE
 NET LENGTH = 16,993 FT. = 3.218 MILE

PROJECT ENGINEER : **PATTIE LEBEAU, P.E.** 618-346-3179
 PROJECT MANAGER : **CHERYL KEPLAR, P.E.** 618-346-3186

CONTRACT NO. 76E78

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

SUBMITTED *March 24 2011*
My C. Fleming
 DEPUTY DIRECTOR OF HIGHWAYS, REGION 5 ENGINEER

May 13 2011
Scott E. Stott, P.E. /a
 Acting ENGINEER OF DESIGN AND ENVIRONMENT

May 13 2011
Christine M. Reed /a
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

LIST OF STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS & PATTERNS
280001-05	TEMPORARY EROSION CONTROL SYSTEMS
630001-09	STEEL PLATE BEAM GUARDRAIL
630101-09	GUARDRAIL MOUNTED ON EXISTING CULVERTS
630106	LONG-SPAN GUARDRAIL OVER CULVERT
630201-06	PCC / HMA STABILIZATION AT STEEL PLATE BEAM GUARDRAIL
630301-05	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631031-09	TRAFFIC BARRIER TERMINAL, TYPE 6
631032-06	TRAFFIC BARRIER TERMINAL, TYPE 6A
631033-04	TRAFFIC BARRIER TERMINAL, TYPE 6B
635006-03	REFLECTOR AND TERMINAL MARKER PLACEMENT
635011-02	REFLECTOR MARKER AND MOUNTING DETAILS
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 m) AWAY
701006-03	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5M) TO 24" (600 MM) FROM PAVEMENT EDGE
701201-04	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS > 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701901-01	TRAFFIC CONTROL DEVICES
701324-04	

COMMITMENTS

NONE

INDEX OF SHEETS

1	COVER
2	INDEX OF SHEETS, GENERAL NOTES, & LIST OF STANDARDS
3	PROJECT LOCATION MAP
4	SUMMARY OF QUANTITIES
5-6	SCHEDULE OF QUANTITIES
7-36	PLAN SHEETS
37	GUARDRAIL DETAILS

GENERAL NOTES

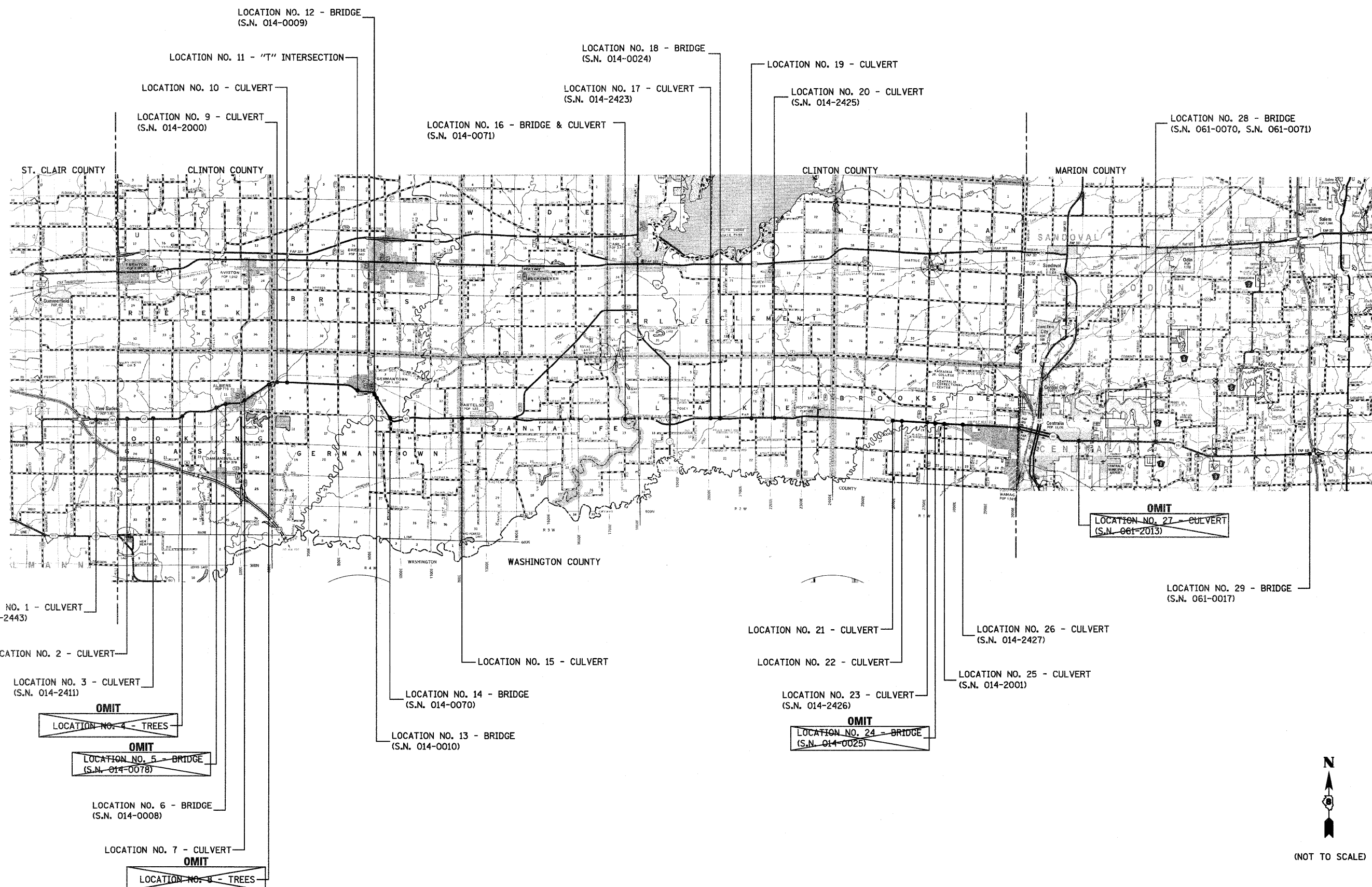
- ALL ELEVATIONS REFER TO U.S.G.S. MEAN SEA LEVEL DATUM.
- THE CONTRACTOR SHALL EXERCISE CARE IN PERFORMING REMOVALS SO AS NOT TO DISRUPT ADJOINING FEATURES THAT ARE TO REMAIN IN PLACE. ANY DAMAGE CAUSED TO ADJOINING FEATURES AS A RESULT OF THE CONTRACTOR'S NEGLIGENCE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE ENGINEER.
- THE PRIME CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SUB-CONTRACTED WORK, REGARDLESS OF FUNDING SOURCE. THE SPECIAL PROVISIONS, SPECIFICATIONS, AND STANDARD SPECIFICATIONS SHALL GOVERN CONTRACTUAL REQUIREMENTS FOR SAID ARRANGEMENTS.
- THE PRIME CONTRACTOR SHALL BE RESPONSIBLE FOR TRAFFIC CONTROL AND PROTECTION.
- ALL SAW CUTTING REQUIRED FOR REMOVALS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER UNIT OF REMOVAL QUANTITIES.
- THE CONTRACTOR SHALL EXERCISE CARE IN EXCAVATING AROUND EXISTING UTILITIES TO REMAIN IN PLACE, SUCH AS WATER AND SEWER MAINS, AND SHALL BE RESPONSIBLE FOR REPAIR OF THESE AND MAINTENANCE OF SERVICE, IF DAMAGED BY THE CONTRACTOR'S ACTIVITIES, AS DEEMED SUCH BY THE ENGINEER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING POSITIVE DRAINAGE IN THE DISTURBED AREAS, TO THE SATISFACTION OF THE ENGINEER.
- ALL AREAS THAT ARE DISTURBED BEYOND THE SEEDING LIMITS SHALL BE GRADED BY THE CONTRACTOR AT HIS/HER EXPENSE, IN THE SAME MANNER AS FINAL GRADING WORK PER THE SPECIFICATIONS, TO THE SATISFACTION OF THE ENGINEER.
- IN ADDITION TO WARNING SIGNS SHOWN ON THE STANDARDS FOR TRAFFIC CONTROL, ROAD CONSTRUCTION AHEAD SIGNS SHALL BE PLACED ON INTERSECTING SIDE ROADS THROUGHOUT THE WORK ZONE.
- REMOVAL OF EXISTING OIL AND CHIP SURFACE AND AGGREGATE HAS BEEN INCLUDED IN THE EARTHWORK QUANTITIES AND WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CU. YD. FOR EARTH EXCAVATION OF THE TYPE SPECIFIED.
- ALL ADVANCED WARNING SIGNS SHALL BE 48" FLUORESCENT ORANGE.
- ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE BE GIVEN TO ALL UTILITIES BEFORE DIGGING. FIELD MARKING OF UTILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. OR FOR NON-MEMBERS, THE UTILITY COMPANY DIRECTLY.
- IT IS THE INTENT OF THIS PROJECT TO COMPLETE THE MAJORITY OF GRADING WITHIN THE FRONT SLOPES UTILIZING 1V:2.5H (TYPICAL) TO 1V:2H (MAX) SLOPES. HOWEVER, THERE ARE SOME LOCATIONS WHERE GRADING WILL EXTEND BEYOND THE TOE OF THE SLOPE. SAID LOCATIONS ARE ESTIMATED AS SHOWN WITHIN THE PLANS AND WILL REQUIRE RE-GRADING OF THE DITCH AND BACK SLOPE. THE CONTRACTOR SHOULD BE AWARE THAT THE ACTUAL EXTENTS OF WORK MAY VARY FROM THAT SHOWN. FINAL EXTENT OF GRADING WILL BE AT THE DISCRETION OF THE ENGINEER.
- THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES.

APPLICATION RATES

AGGREGATE MATERIALS	2.05 TONS/CU YD
GRANULAR MATERIALS	2.05 TONS/CU YD

FOR SEEDED AREAS	
NITROGEN FERTILIZER NUTRIENT	90 LBS/ACRE
PHOSPHORUS FERTILIZER NUTRIENT	90 LBS/ACRE
POTASSIUM FERTILIZER NUTRIENT	90 LBS/ACRE
AGRICULTURAL GROUND LIMESTONE	2 TONS/ACRE

FILE NAME *	USER NAME = USERDESCR	DESIGNED - DLD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, GENERAL NOTES, & LIST OF STANDARDS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
h:\2011\1001 db\1001-05\1001-05.dgn	h:\2011\1001 db\1001-05\1001-05.dgn	DRAWN - DLD	REVISED -			805	DB GUARDRAIL UPDATE 2011	VARIOUS	37	2
		CHECKED - BGH	REVISED -			CONTRACT NO. 76E78				
		DATE - 3/17/2011	REVISED -			795	ILLINOIS FED. AID PROJECT			
SCALE:						SHEET NO.	OF	SHEETS	STA.	TO STA.



LOCATION NO. 1 - CULVERT
(S.N. 082-2443)

LOCATION NO. 2 - CULVERT

LOCATION NO. 3 - CULVERT
(S.N. 014-2411)

OMIT
LOCATION NO. 4 - TREES

OMIT
LOCATION NO. 5 - BRIDGE
(S.N. 014-0078)

LOCATION NO. 6 - BRIDGE
(S.N. 014-0008)

LOCATION NO. 7 - CULVERT
OMIT
LOCATION NO. 8 - TREES

LOCATION NO. 12 - BRIDGE
(S.N. 014-0009)

LOCATION NO. 11 - "T" INTERSECTION

LOCATION NO. 10 - CULVERT

LOCATION NO. 9 - CULVERT
(S.N. 014-2000)

LOCATION NO. 16 - BRIDGE & CULVERT
(S.N. 014-0071)

LOCATION NO. 17 - CULVERT
(S.N. 014-2423)

LOCATION NO. 18 - BRIDGE
(S.N. 014-0024)

LOCATION NO. 15 - CULVERT

LOCATION NO. 14 - BRIDGE
(S.N. 014-0070)

LOCATION NO. 13 - BRIDGE
(S.N. 014-0010)

LOCATION NO. 19 - CULVERT

LOCATION NO. 20 - CULVERT
(S.N. 014-2425)

LOCATION NO. 21 - CULVERT

LOCATION NO. 22 - CULVERT

LOCATION NO. 23 - CULVERT
(S.N. 014-2426)

OMIT
LOCATION NO. 24 - BRIDGE
(S.N. 014-0025)

LOCATION NO. 26 - CULVERT
(S.N. 014-2427)

LOCATION NO. 25 - CULVERT
(S.N. 014-2001)

LOCATION NO. 28 - BRIDGE
(S.N. 061-0070, S.N. 061-0071)

OMIT
LOCATION NO. 27 - CULVERT
(S.N. 061-2013)

LOCATION NO. 29 - BRIDGE
(S.N. 061-0017)



(NOT TO SCALE)

FILE NAME =	USER NAME = _USERCSCR_	DESIGNED - DLD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROJECT LOCATION MAP	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
h:\6513 idot db ver\6513.03 wa 3\oedd\sh	ets\0873E7B-SHT-LOCMP-03.dgn	DRAWN - DLD	REVISED -			805	D8 GUARDRAIL UPDATE 2011	VARIOUS	37	3
	PLOT SCALE = 1.500" / IN.	CHECKED - BGH	REVISED -			F.A.S.		CONTRACT NO. 76E78		
	PLOT DATE = 3/24/2011	DATE - 3/17/2011	REVISED -			795		ILLINOIS FED. AID PROJECT		

SUMMARY OF QUANTITIES

90% FEDERAL
10% STATE

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE			SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		0021 ST. CLAIR CO.	0021 CLINTON CO.	0021 MARION CO.	CODE NO	ITEM	UNIT		-----	-----	-----
20200100	EARTH EXCAVATION	CU YD	71	16	55								
20400800	FURNISHED EXCAVATION	CU YD	4605	40.5	4559	5.5							
25000210	SEEDING, CLASS 2A	ACRE	3.75	0.13	3.5	0.12							
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	338	12	315	11							
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	338	12	315	11							
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	338	12	315	11							
25000700	AGRICULTURAL GROUND LIMESTONE	TON	7.5	0.1	7.3	0.1							
25100630	EROSION CONTROL BLANKET	SQ YD	17323	240.5	16953	129.5							
48101200	AGGREGATE SHOULDERS, TYPE B	TON	4315	60	4218.5	36.5							
63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	8875	225	7950	700							
63000025	STEEL PLATE BEAM GUARDRAIL, ATTACHED TO STRUCTURES	FOOT	325	50	275								
63000350	LONG-SPAN GUARDRAIL OVER CULVERT, 12 FT 6 IN SPAN	FOOT	2925		2925								
63000370	LONG-SPAN GUARDRAIL OVER CULVERT, 25 FT SPAN	FOOT	525		525								
63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	10		8	2							
63100087	TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	4		4								
63100089	TRAFFIC BARRIER TERMINAL, TYPE 6B	EACH	12		12								
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	86	3	81	2							
63100169	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED	EACH	8		5	3							
63200310	GUARDRAIL REMOVAL	FOOT	14980	472	13524	984							
63300725	STEEL PLATE BEAM GUARDRAIL (SHORT RADIUS)	FOOT	228	33	195								
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	5	0.2	4.4	0.4							
67100100	MOBILIZATION	L SUM	1	0.1	0.8	0.1							
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	0.1	0.8	0.1							
78200410	GUARDRAIL MARKERS, TYPE A	EACH	199	5	182	12							
78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	94	3	86	5							

FILE NAME =	USER NAME = conoverpj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A. RTE.:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ca:\pwwork\pwwork\conoverpj\20249112\sh...	ts_eng.dgn	DRAWN -	REVISED -			• DB GUARDRAIL UPDATE 2011	VARIOUS	37	4		
PLOT SCALE = 58.0000' / IN.		CHECKED -	REVISED -			CONTRACT NO. 76E78					
PLOT DATE = 3/24/2011		DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

EARTHWORK SCHEDULE

LOCATION	A	B*	C*	D*	E
	EARTH EXCAVATION CU YD	AVAILABLE MATERIAL (S.F. = 0.7) CU YD	REQUIRED FILL CU YD	BALANCE OF MATERIAL ("—" = SHORT) CU YD	FURNISHED EXCAVATION CU YD
SITE ID HAZARD STATION SIDE					
1 100+00 LT	8.4	5.9	29.6	-23.7	23.7
1 100+00 RT	7.0	4.9	21.6	-16.7	16.7
2 200+00 LT	4.8	3.4	10.3	-6.9	6.9
2 200+00 RT	0.0	0.0	47.4	-47.4	47.4
3 300+00 LT	0.0	0.0	55.6	-55.6	55.6
3 300+00 RT	0.0	0.0	31.6	-31.6	31.6
4 400+00 NO WORK					
5 500+00 NO WORK					
6 600+00 LT	0.0	0.0	209.5	-209.5	209.5
6 600+00 RT	0.0	0.0	45.3	-45.3	45.3
7 700+00 LT	0.0	0.0	1.0	-1.0	1.0
7 700+00 RT	0.0	0.0	258.0	-258.0	258.0
8 800+00 NO WORK					
9 900+00 LT	0.0	0.0	87.6	-87.6	87.6
9 900+00 RT	2.1	1.5	18.0	-16.5	16.5
10 1000+00 LT	23.1	16.2	28.6	-12.4	12.4
10 1000+00 RT	0.0	0.0	19.9	-19.9	19.9
11 1100+00 RT	0.0	0.0	60.1	-60.1	60.1
12 1200+00 LT	0.0	0.0	282.1	-282.1	282.1
12 1200+00 RT	0.0	0.0	285.8	-285.8	285.8
13 1300+00 LT	0.0	0.0	507.1	-507.1	507.1
13 1300+00 RT	0.0	0.0	269.8	-269.8	269.8
14 1400+00 LT	0.0	0.0	197.8	-197.8	197.8
14 1400+00 RT	0.0	0.0	10.6	-10.6	10.6
15 1500+00 LT	5.1	3.6	4.0	-0.4	0.4
15 1500+00 RT	0.0	0.0	9.0	-9.0	9.0
16A 1600+00 LT	0.0	0.0	278.6	-278.6	278.6
16A 1600+00 RT	0.0	0.0	225.6	-225.6	225.6
16B 1600+00 LT	0.0	0.0	278.6	-278.6	278.6
16B 1600+00 RT	0.0	0.0	225.6	-225.6	225.6
17 1700+00 LT	0.0	0.0	149.9	-149.9	149.9
17 1700+00 RT	0.0	0.0	110.2	-110.2	110.2
18 1800+00 LT	0.0	0.0	105.6	-105.6	105.6
18 1800+00 RT	4.5	3.2	147.5	-144.4	144.4
19 1900+00 RT	0.0	0.0	20.9	-20.9	20.9
20 2000+00 LT	0.0	0.0	1.5	-1.5	1.5
20 2000+00 RT	6.5	4.6	37.9	-33.4	33.4
21 2100+00 LT	8.8	6.2	39.2	-33.0	33.0
21 2100+00 RT	0.0	0.0	2.4	-2.4	2.4
22 2200+00 LT	0.0	0.0	7.8	-7.8	7.8
22 2200+00 RT	0.0	0.0	84.5	-84.5	84.5
23 2300+00 RT	0.0	0.0	44.6	-44.6	44.6
24 2400+00 NO WORK					
25 2500+00 LT	0.0	0.0	272.4	-272.4	272.4
25 2500+00 RT	0.0	0.0	114.3	-114.3	114.3
26 2600+00 LT	0.0	0.0	7.5	-7.5	7.5
26 2600+00 RT	0.0	0.0	3.1	-3.1	3.1
27 2700+00 NO WORK					
28 2800+00 LT	0.0	0.0	4.2	-4.2	4.2
28 2800+00 RT	0.0	0.0	1.2	-1.2	1.2
29 2900+00 LT	0.0	0.0	0.0	0.0	0.0
29 2900+00 RT	0.0	0.0	0.0	0.0	0.0
TOTALS	70.3	49.2	4,653.3	-4,604.1	4,604.1
USE	71	50	4,654	-4,604.0	4,605

NOTES:

- *NOT A PAY ITEM
- 1. COLUMN "A" HAS BEEN ESTIMATED FROM EXISTING & PROPOSED SITE MODELS.
- 2. COLUMN "B" IS THE ESTIMATED SUITABLE MATERIAL AFTER A SHRINKAGE FACTOR (S.F.) IS APPLIED.
- 3. COLUMN "C" IS THE AMOUNT OF EARTH THAT IS EXPECTED TO BRING THE IMPROVEMENTS UP TO GRADE.
- 4. COLUMN "D" IS THE BALANCE OF MATERIAL AT EACH SITE.
- 5. COLUMN "E" IS THE ESTIMATED AMOUNT OF MATERIAL NEEDED FROM AN OUTSIDE SOURCE.

SHOULDER SCHEDULE

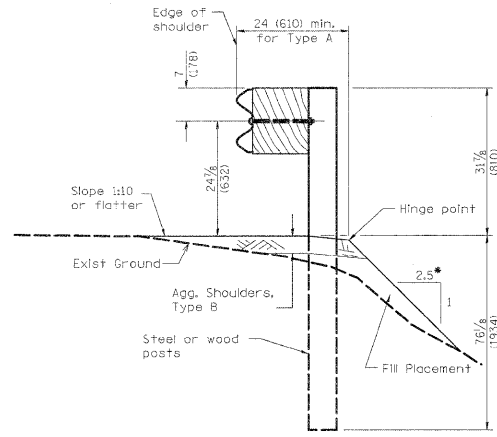
LOCATION	AGGREGATE SHOULDERS TYPE B
SITE ID HAZARD STATION SIDE	
1 100+00 LT	25.1
1 100+00 RT	34.7
2 200+00 LT	39.7
2 200+00 RT	78.6
3 300+00 LT	98.0
3 300+00 RT	138.2
4 400+00 NO WORK	
5 500+00 NO WORK	
6 600+00 LT	59.8
6 600+00 RT	69.6
7 700+00 LT	9.3
7 700+00 RT	163.3
8 800+00 NO WORK	
9 900+00 LT	124.8
9 900+00 RT	141.2
10 1000+00 LT	60.9
10 1000+00 RT	92.3
11 1100+00 RT	65.5
12 1200+00 LT	163.6
12 1200+00 RT	291.3
13 1300+00 LT	207.5
13 1300+00 RT	191.0
14 1400+00 LT	126.7
14 1400+00 RT	34.7
15 1500+00 LT	59.4
15 1500+00 RT	87.4
16A 1600+00 LT	161.9
16A 1600+00 RT	157.7
16B 1600+00 LT	161.8
16B 1600+00 RT	157.6
17 1700+00 LT	62.5
17 1700+00 RT	137.1
18 1800+00 LT	83.5
18 1800+00 RT	130.6
19 1900+00 RT	92.4
20 2000+00 LT	19.5
20 2000+00 RT	64.4
21 2100+00 LT	61.7
21 2100+00 RT	51.5
22 2200+00 LT	42.7
22 2200+00 RT	81.5
23 2300+00 RT	185.9
24 2400+00 NO WORK	
25 2500+00 LT	138.4
25 2500+00 RT	85.8
26 2600+00 LT	25.1
26 2600+00 RT	14.0
27 2700+00 NO WORK	
28 2800+00 LT	29.8
28 2800+00 RT	6.5
29 2900+00 LT	0.0
29 2900+00 RT	0.0
TOTALS	4,314.4
USE	4,315

SEEDING AND EROSION CONTROL

LOCATION	SEEDING CLASS 2A SQ FT	NITROGEN FERTILIZER NUTRIENT POUND	PHOSPHORUS FERTILIZER NUTRIENT POUND	POTASSIUM FERTILIZER NUTRIENT POUND	AGRICULTURAL GROUND LIMESTONE POUND	EROSION CONTROL BLANKET SQ YD
SITE ID HAZARD STATION SIDE						
1 100+00 LT	896.0	1.9	1.9	1.9	82.3	99.6
1 100+00 RT	1267.0	2.6	2.6	2.6	116.3	140.8
2 200+00 LT	1562.0	3.2	3.2	3.2	143.4	173.6
2 200+00 RT	4137.0	8.5	8.5	8.5	379.9	459.7
3 300+00 LT	2786.0	5.8	5.8	5.8	255.8	309.6
3 300+00 RT	3355.0	6.9	6.9	6.9	308.1	372.8
4 400+00 NO WORK						
5 500+00 NO WORK						
6 600+00 LT	3513.0	7.3	7.3	7.3	322.6	390.3
6 600+00 RT	3109.0	6.4	6.4	6.4	285.5	345.4
7 700+00 LT	1794.0	3.7	3.7	3.7	164.7	199.3
7 700+00 RT	5380.0	11.1	11.1	11.1	494.0	597.8
8 800+00 NO WORK						
9 900+00 LT	3038.0	6.3	6.3	6.3	279.0	337.6
9 900+00 RT	2367.0	4.9	4.9	4.9	217.4	263.0
10 1000+00 LT	3421.0	7.1	7.1	7.1	314.1	380.1
10 1000+00 RT	2095.0	4.3	4.3	4.3	192.4	232.8
11 1100+00 RT	2186.0	4.5	4.5	4.5	200.7	242.9
12 1200+00 LT	3641.0	7.5	7.5	7.5	334.3	404.6
12 1200+00 RT	7564.0	15.6	15.6	15.6	694.6	840.4
13 1300+00 LT	6068.0	12.5	12.5	12.5	557.2	674.2
13 1300+00 RT	4127.0	8.5	8.5	8.5	379.0	458.6
14 1400+00 LT	7140.0	14.8	14.8	14.8	655.6	793.3
14 1400+00 RT	1822.0	3.8	3.8	3.8	167.3	202.4
15 1500+00 LT	1873.0	3.9	3.9	3.9	172.0	208.1
15 1500+00 RT	1973.0	4.1	4.1	4.1	181.2	219.2
16A 1600+00 LT	3439.0	7.1	7.1	7.1	315.8	382.1
16A 1600+00 RT	2992.0	6.2	6.2	6.2	274.7	332.4
16B 1600+00 LT	6431.0	13.3	13.3	13.3	590.5	714.6
16B 1600+00 RT	6612.0	13.7	13.7	13.7	607.2	734.7
17 1700+00 LT	5527.0	11.4	11.4	11.4	507.5	614.1
17 1700+00 RT	4332.0	9.0	9.0	9.0	397.8	481.3
18 1800+00 LT	6222.0	12.9	12.9	12.9	571.3	691.3
18 1800+00 RT	8256.0	17.1	17.1	17.1	758.1	917.3
19 1900+00 RT	1854.0	3.8	3.8	3.8	170.2	206.0
20 2000+00 LT	549.0	1.1	1.1	1.1	50.4	61.0
20 2000+00 RT	2392.0	4.9	4.9	4.9	219.7	265.8
21 2100+00 LT	1651.0	3.4	3.4	3.4	151.6	183.4
21 2100+00 RT	1299.0	2.7	2.7	2.7	119.3	144.3
22 2200+00 LT	1475.0	3.0	3.0	3.0	135.4	163.9
22 2200+00 RT	3063.0	6.3	6.3	6.3	281.3	340.3
23 2300+00 RT	4983.0	10.3	10.3	10.3	457.6	553.7
24 2400+00 NO WORK						
25 2500+00 LT	9121.0	18.8	18.8	18.8	837.6	1013.4
25 2500+00 RT	7796.0	16.1	16.1	16.1	715.9	866.2
26 2600+00 LT	1067.0	2.2	2.2	2.2	98.0	118.6
26 2600+00 RT	561.0	1.2	1.2	1.2	51.5	62.3
27 2700+00 NO WORK						
28 2800+00 LT	736.0	1.5	1.5	1.5	67.6	81.8
28 2800+00 RT	429.0	0.9	0.9	0.9	39.4	47.7
29 2900+00 LT	0.0	0.0	0.0	0.0	0.0	0.0
29 2900+00 RT	0.0	0.0	0.0	0.0	0.0	0.0
TOTALS	155,901.0	322.1	322.1	322.1	14,316.0	17,322.3
USE	(3.75 Acre)	338	338	338	(7.5 Ton)	17,323

GUARDRAIL SCHEDULE

LOCATION			GUARDRAIL REMOVAL	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	STEEL PLATE BEAM GUARDRAIL, ATTACHED TO STRUCTURES	LONG-SPAN GUARDRAIL OVER CULVERT, 12 FT 6 IN SPAN	LONG-SPAN GUARDRAIL OVER CULVERT, 25 FT SPAN	TRAFFIC BARRIER TERMINAL, TYPE 6	TRAFFIC BARRIER TERMINAL, TYPE 6A	TRAFFIC BARRIER TERMINAL, TYPE 6B	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED	STEEL PLATE BEAM GUARDRAIL (SHORT RADIUS)	GUARDRAIL MARKERS, TYPE A	TERMINAL MARKER DIRECT APPLIED
			FT	FOOT	FOOT	FOOT	FOOT	EACH	EACH	EACH	EACH	EACH	FOOT	EACH	EACH
SITE ID	HAZARD STATION	SIDE													
1	100+00	LT	217.0	87.5	25.0							1	33.0	2	1
1	100+00	RT	255.0	137.5	25.0						2			3	2
2	200+00	LT	453.0	62.5		162.5					2			3	2
2	200+00	RT	454.0	62.5		162.5					2			3	2
3	300+00	LT	130.0	150.0	25.0						2		64.0	3	2
3	300+00	RT	180.0	100.0			175.0				2			4	2
4	400+00	NO WORK													
5	500+00	NO WORK													
6	600+00	LT	267.0	50.0					2		2			2	2
6	600+00	RT	378.0	125.0					2		2			3	2
7	700+00	LT	190.0	112.5	12.5						2			2	2
7	700+00	RT	255.0	25.0		162.5					2			3	2
8	800+00	NO WORK													
9	900+00	LT	205.0	287.5	50.0						2			5	2
9	900+00	RT	167.0	250.0	50.0						2		60.0	5	2
10	1000+00	LT	105.0	62.5		162.5					2			3	2
10	1000+00	RT	104.0	50.0		162.5					2			3	2
11	1100+00	RT	105.0	12.5							2			1	2
12	1200+00	LT	854.0	550.0				2			4			9	4
12	1200+00	RT	473.0	225.0				2			4			5	4
13	1300+00	LT	512.0	237.5				2			3		27.0	5	3
13	1300+00	RT	445.0	162.5				2			3		12.0	4	3
14	1400+00	LT	330.0	375.0						2	3		16.0	7	3
14	1400+00	RT	365.0	112.5						2	2	1	16.0	3	3
15	1500+00	LT	180.0	75.0		162.5					2			3	2
15	1500+00	RT	180.0	87.5		162.5					2			4	2
16A	1600+00	LT	404.0	175.0		162.5				1	1			5	1
16A	1600+00	RT	479.0	250.0		162.5				1	1			6	1
16B	1600+00	LT	965.0	625.0			175.0			1	1			11	1
16B	1600+00	RT	891.0	550.0			175.0			1	1			10	1
17	1700+00	LT	304.0	75.0		162.5					2			3	2
17	1700+00	RT	329.0	125.0		162.5					2			4	2
18	1800+00	LT	534.0	475.0						2	2			8	2
18	1800+00	RT	496.0	462.5						2	2			8	2
19	1900+00	RT	279.0	75.0		162.5					2			3	2
20	2000+00	LT	241.0	50.0		162.5					2			3	2
20	2000+00	RT	241.0	162.5		162.5					1	1		5	2
21	2100+00	LT	166.0	137.5	12.5						1	1		2	2
21	2100+00	RT	291.0	187.5		162.5					2			5	2
22	2200+00	LT	254.0	137.5		162.5					2			4	2
22	2200+00	RT	217.0	37.5		162.5					1	1		3	2
23	2300+00	RT	217.0	262.5		162.5					2			6	2
24	2400+00	NO WORK													
25	2500+00	LT	267.0	387.5	37.5						2			6	2
25	2500+00	RT	267.0	375.0	37.5						2			6	2
26	2600+00	LT	172.0	100.0	25.0						1	1		2	2
26	2600+00	RT	178.0	125.0	25.0						2			2	2
27	2700+00	NO WORK													
28	2800+00	LT	175.0	87.5								2		2	2
28	2800+00	RT	113.0	137.5								1		2	1
29	2900+00	LT	348.0	225.0				1			1			4	1
29	2900+00	RT	348.0	250.0				1			1			4	1
TOTALS			14,980.0	8,875.0	325.0	2,925.0	525.0	10	4	12	86	8	228.0	199	94
USE			14,980	8,875.0	325.0	2,925.0	525.0	10	4	12	86	8	228.0	199	94



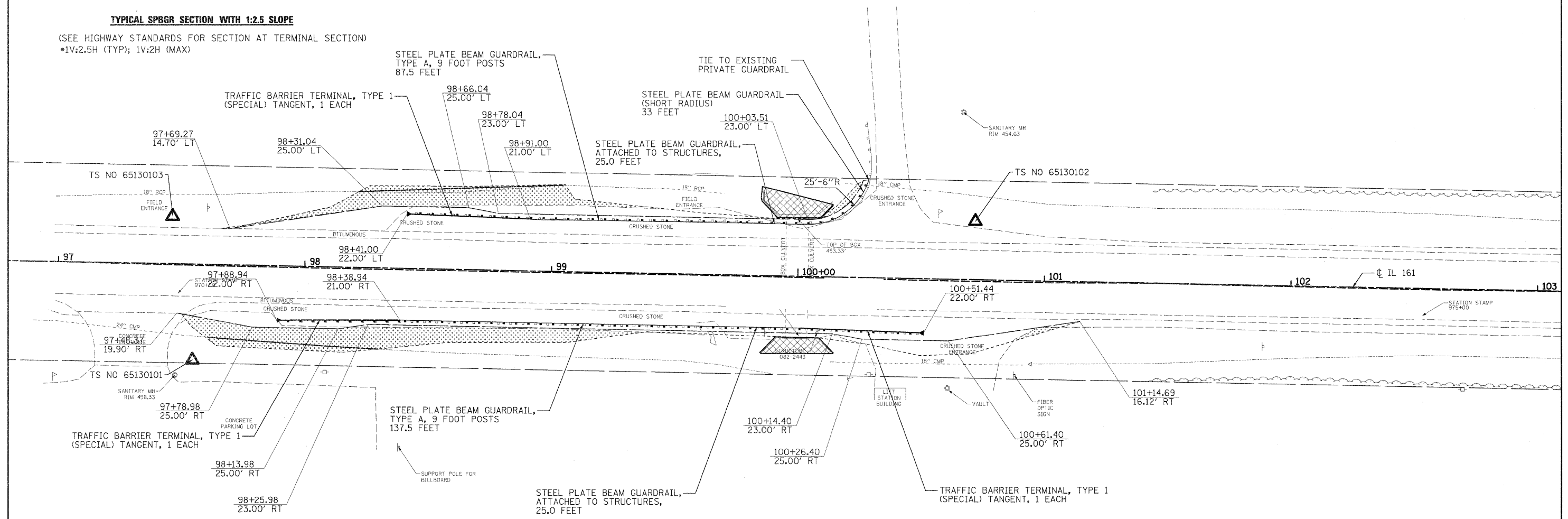
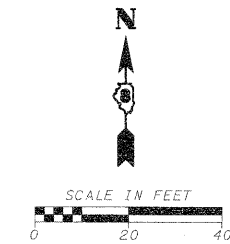
TYPICAL SPBGR SECTION WITH 1:2.5 SLOPE

(SEE HIGHWAY STANDARDS FOR SECTION AT TERMINAL SECTION)
 *1V:2.5H (TYP); 1V:2H (MAX)

LEGEND

- PRIMARY HAZARD
- SECONDARY HAZARD
- SEEDING & EROSION CONTROL BLANKET
- APPARENT EXISTING RIGHT OF WAY
- EXISTING GUARDRAIL
- PROPOSED STEEL PLATE BEAM GUARDRAIL (OF THE TYPE SPECIFIED)
- TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT
- TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED
- PROPOSED AGGREGATE SHOULDER
- APPROX. LIMITS OF CONSTRUCTION
- DITCH RE-GRADING (INCLUDED IN EARTHWORK)

ALIGNMENTS DEVELOPED FOR INDIVIDUAL LOCATION STATIONING ARE ARBITRARY AND DO NOT REPRESENT THE ACTUAL STATIONING OF IL 161. ARBITRARY STATIONING WAS USED IN ALL STATION / OFFSET LABELS FOR THIS PROJECT.



TS NO 65130103
 STA 97+45.97, 19.31' LT
 N=680729.34, E=2424374.11
 EL 458.80

TS NO 65130101
 STA 97+55.02, 38.73' RT
 N=680671.14, E=2424382.09
 EL 458.16

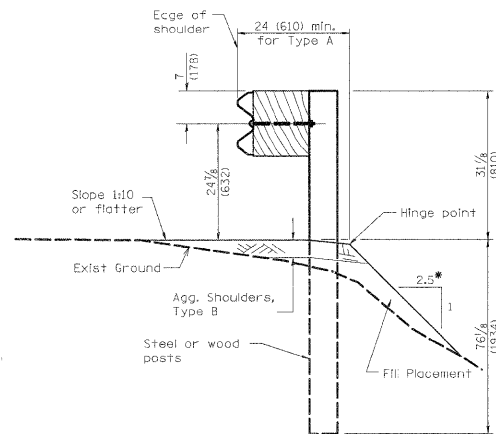
TS NO 65130102
 STA 100+71.62, 23.60' LT
 N=680727.54, E=2424699.79
 EL 456.18

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PLOT SCALE = 20:0000 1 / IN.	CHECKED - BGH	REVISED -	REVISED -
PLOT DATE = 3/24/2011	DATE - 3/17/2011	REVISED -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	DB GUARDRAIL UPDATE 2011	VARIOUS	37	7
F.A.S.	CONTRACT NO. 76E78		ILLINOIS FED. AID PROJECT	
795				

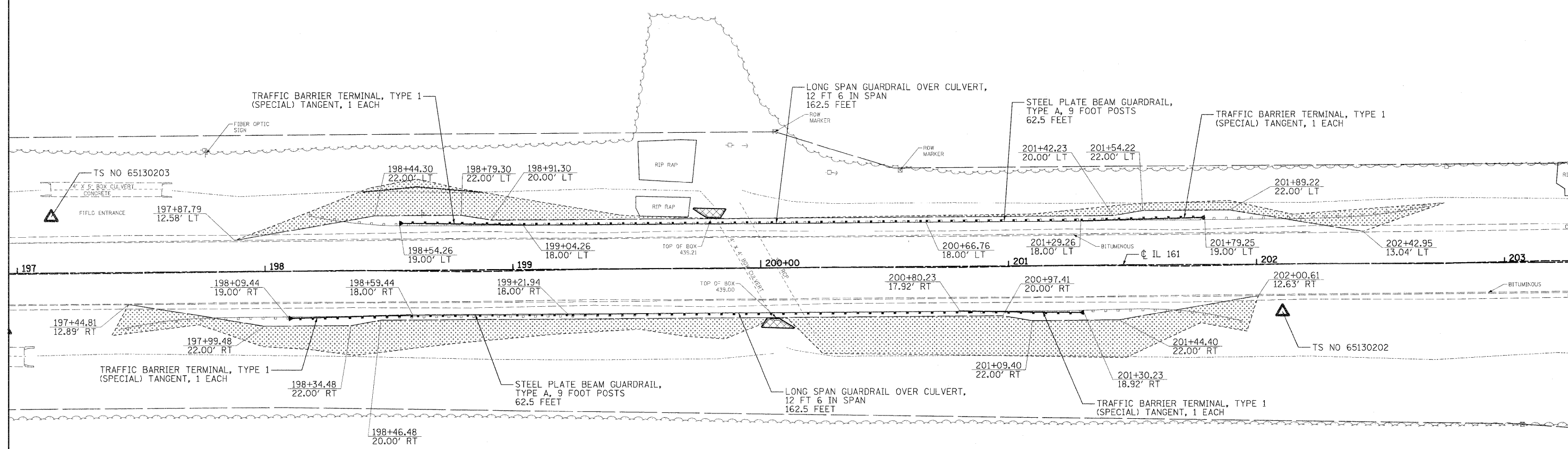
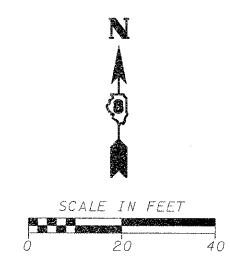


TYPICAL SPBGR SECTION WITH 1:2.5 SLOPE

(SEE HIGHWAY STANDARDS FOR SECTION AT TERMINAL SECTION)
 •1V:2.5H (TYP); 1V:2H (MAX)

- LEGEND**
- PRIMARY HAZARD
 - SECONDARY HAZARD
 - SEEDING & EROSION CONTROL BLANKET
 - APPARENT EXISTING RIGHT OF WAY
 - EXISTING GUARDRAIL
 - PROPOSED STEEL PLATE BEAM GUARDRAIL (OF THE TYPE SPECIFIED)
 - TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT
 - TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED
 - PROPOSED AGGREGATE SHOULDER
 - APPROX. LIMITS OF CONSTRUCTION
 - DITCH RE-GRADING (INCLUDED IN EARTHWORK)

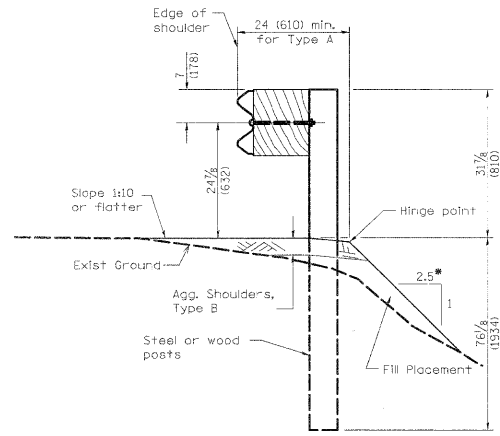
ALIGNMENTS DEVELOPED FOR INDIVIDUAL LOCATION STATIONING ARE ARBITRARY AND DO NOT REPRESENT THE ACTUAL STATIONING OF IL 161. ARBITRARY STATIONING WAS USED IN ALL STATION / OFFSET LABELS FOR THIS PROJECT.



TS NO 65130203
 STA 197+13.87, 22.50' LT
 N=680754.95, E=2435902.97
 EL 440.02

TS NO 65130202
 STA 202+10.32, 19.21' RT
 N=680717.07, E=2436399.73
 EL 439.01

FILE NAME =	USER NAME = .USERDESCR.	DESIGNED - DLD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION 02 BOX CULVERT-EAST OF NEW BADEN			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
hr:\6513\dot db var\6513.03 wo 3\oaddd.sh	ets\0873E78-SHT-PLAN_02-08.dgn	DRAWN - DLD	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	805	DB GUARDRAIL UPDATE 2011	VARIOUS	37	8
	PLOT SCALE = 20.0000' / IN.	CHECKED - BGH	REVISED -							F.A.S.		CONTRACT NO. 76E78		
	PLOT DATE = 3/24/2011	DATE - 3/17/2011	REVISED -							795		ILLINOIS FED. AID PROJECT		

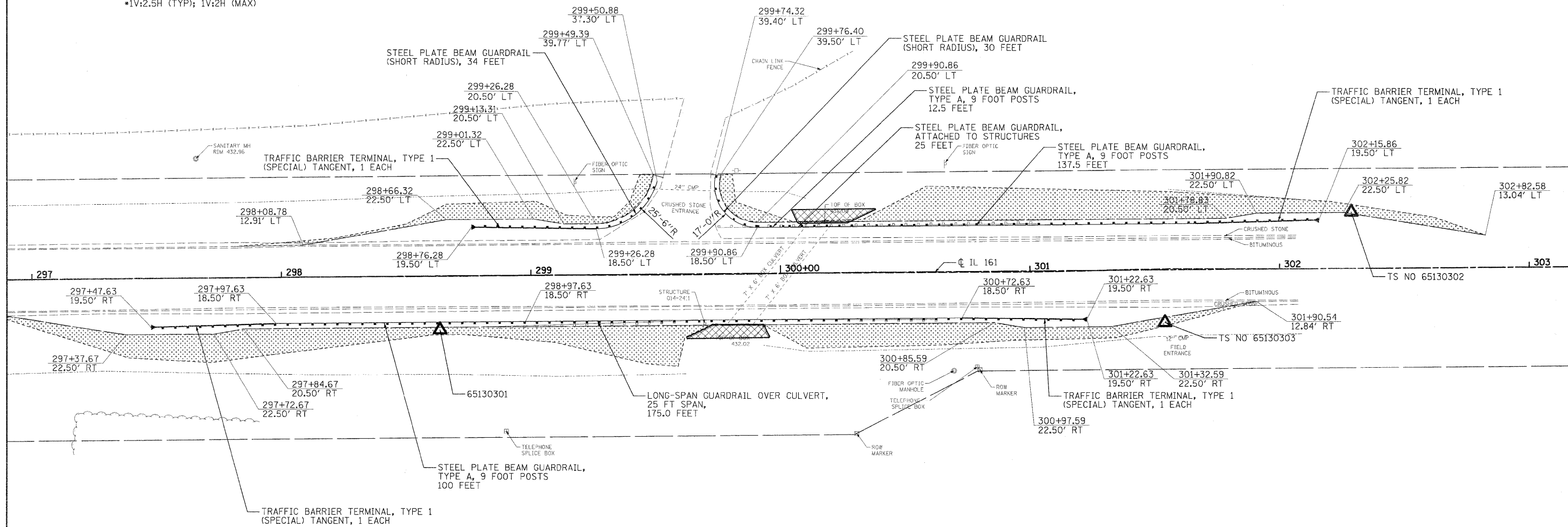
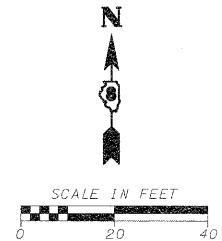


TYPICAL SPBGR SECTION WITH 1:2.5 SLOPE

(SEE HIGHWAY STANDARDS FOR SECTION AT TERMINAL SECTION)
 *1V:2.5H (TYP); 1V:2H (MAX)

- LEGEND**
- PRIMARY HAZARD
 - SECONDARY HAZARD
 - SEEDING & EROSION CONTROL BLANKET
 - APPARENT EXISTING RIGHT OF WAY
 - EXISTING GUARDRAIL
 - PROPOSED STEEL PLATE BEAM GUARDRAIL (OF THE TYPE SPECIFIED)
 - TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT
 - TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED
 - PROPOSED AGGREGATE SHOULDER
 - APPROX. LIMITS OF CONSTRUCTION
 - DITCH RE-GRADING (INCLUDED IN EARTHWORK)

ALIGNMENTS DEVELOPED FOR INDIVIDUAL LOCATION STATIONING ARE ARBITRARY AND DO NOT REPRESENT THE ACTUAL STATIONING OF IL 161. ARBITRARY STATIONING WAS USED IN ALL STATION / OFFSET LABELS FOR THIS PROJECT.



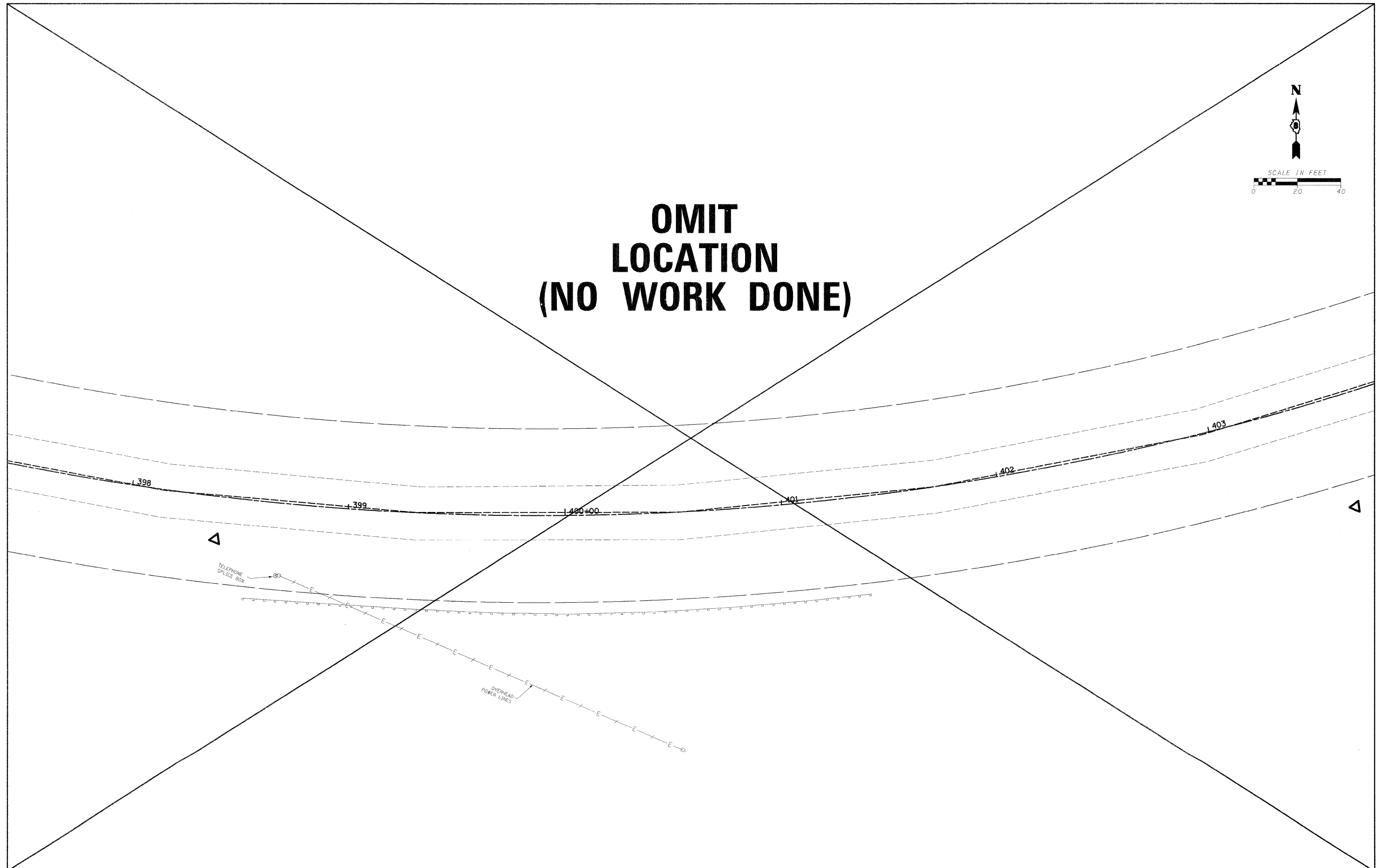
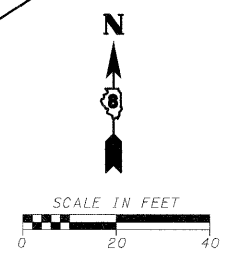
TS NO 65130301
 STA 298+63.36, 21.51' RT
 N=680732.18, E=2438329.47
 EL 431.66

TS NO 65130303
 STA 301+53.92, 21.06' RT
 N=680735.19, E=2438620.01
 EL 433.20

TS NO 65130302
 STA 302+28.92, 22.64' LT
 N=680779.55, E=2438694.63
 EL 434.13

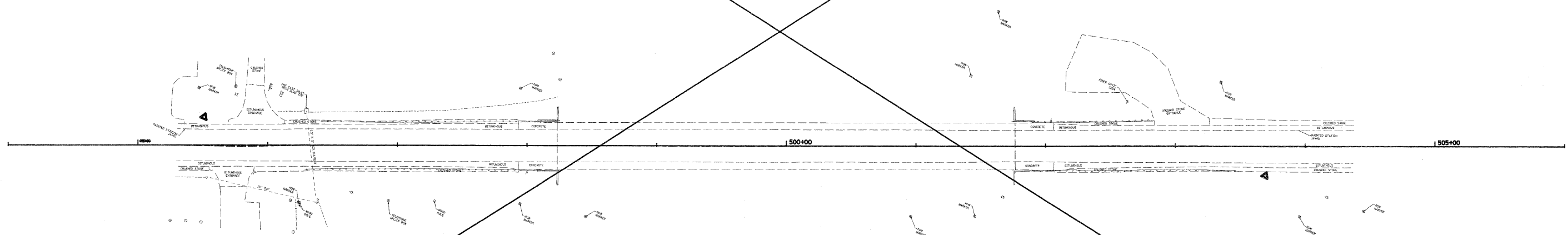
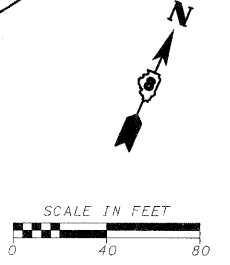
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	PLOT SCALE = 20.0000' / IN.	DRAWN - DLD	REVISED -			805	DB GUARDRAIL UPDATE 2011	VARIOUS	37	9
	PLOT DATE = 3/24/2011	CHECKED - BGH	REVISED -			F.A.S.		CONTRACT NO. 76E78		
		DATE - 3/17/2011	REVISED -			795		ILLINOIS FED. AID PROJECT		
SCALE:						SHEET NO.	OF SHEETS	STA.	TO STA.	

**OMIT
LOCATION
(NO WORK DONE)**

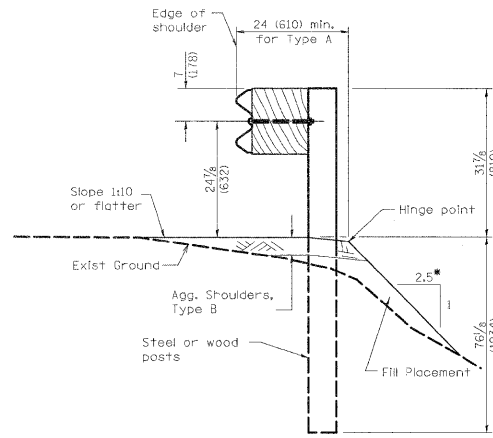


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h:\6513 idot db ver\6513.03 wo 3\oaddd.sh	ets\0873E78-SHT-PLAN_04-10.dgn	DRAWN -	DLD	REVISED -	-			805	DB GUARDRAIL UPDATE 2011	VARIOUS	37	10
PLOT SCALE = 20,000 / IN.	CHECKED -	BGH	REVISED -	-	CONTRACT NO. 76E78							
PLOT DATE = 3/24/2011	DATE -	3/17/2011	REVISED -	-	ILLINOIS FED. AID PROJECT							
				SCALE:		SHEET NO. OF SHEETS		STA. TO STA.				

**OMIT
LOCATION
(NO WORK DONE)**



FILE NAME =	USER NAME = .USERDESCR.	DESIGNED - DLD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION 05 (S.N. 014-0078) BRIDGE-ALBERS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ht:\8513 idot d8 var\8513.03 wo 3\oodd.sh	ets\0873E78-SHT-PLAN_05-11.dgn	DRAWN - DLD	REVISED -			805	D8 GUARDRAIL UPDATE 2011	VARIOUS	37	11	
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	PLOT DATE = 3/24/2011	DATE - 3/17/2011	REVISED -			795	ILLINOIS FED. AID PROJECT				
				SCALE:	SHEET NO. OF SHEETS	STA. TO STA.					

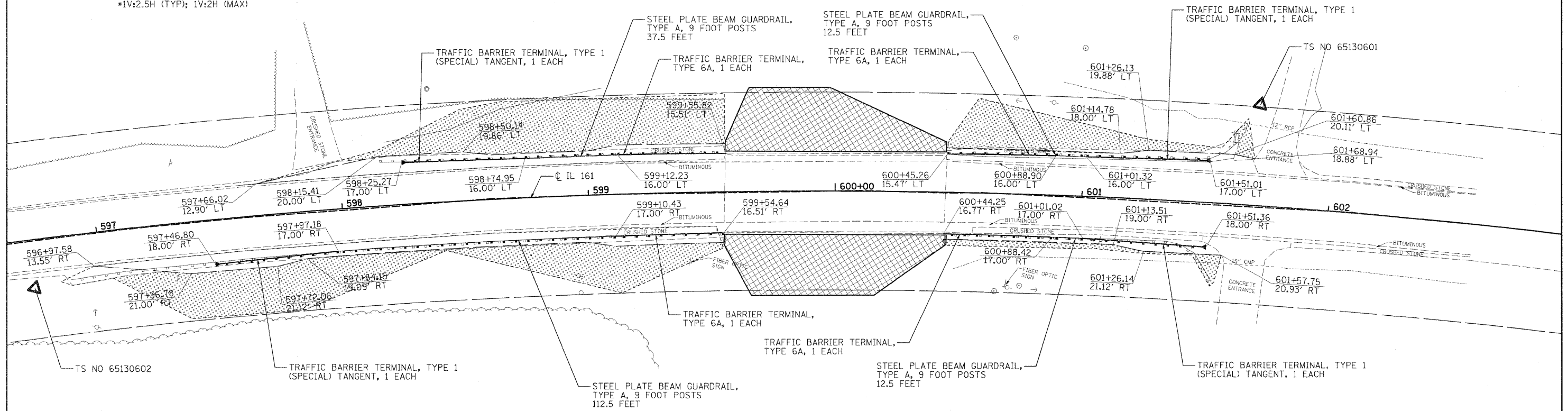
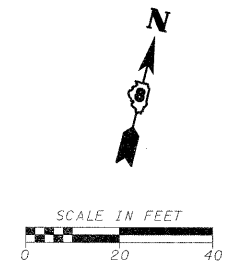


TYPICAL SPBGR SECTION WITH 1:2.5 SLOPE

(SEE HIGHWAY STANDARDS FOR SECTION AT TERMINAL SECTION)
 *1V:2.5H (TYP); 1V:2H (MAX)

- LEGEND**
- PRIMARY HAZARD
 - SECONDARY HAZARD
 - SEEDING & EROSION CONTROL BLANKET
 - APPARENT EXISTING RIGHT OF WAY
 - EXISTING GUARDRAIL
 - PROPOSED STEEL PLATE BEAM GUARDRAIL (OF THE TYPE SPECIFIED)
 - TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT
 - TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED
 - PROPOSED AGGREGATE SHOULDER
 - APPROX. LIMITS OF CONSTRUCTION
 - DITCH RE-GRADING (INCLUDED IN EARTHWORK)

ALIGNMENTS DEVELOPED FOR INDIVIDUAL LOCATION STATIONING ARE ARBITRARY AND DO NOT REPRESENT THE ACTUAL STATIONING OF IL 161. ARBITRARY STATIONING WAS USED IN ALL STATION / OFFSET LABELS FOR THIS PROJECT.



TS NO 65130602
 STA 596+72.51, 19.53' RT
 N=683560.86, E=2452258.20
 EL 423.26

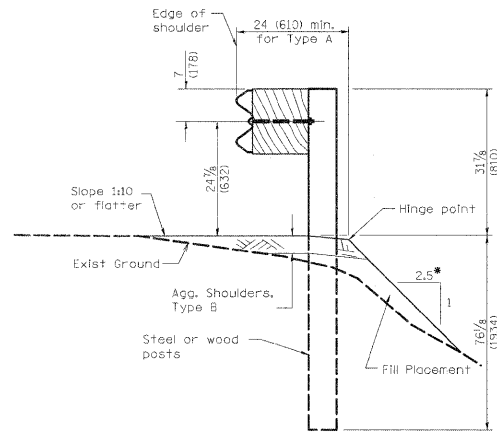
TS NO 65130601
 STA 601+69.81, 40.92' LT
 N=683748.85, E=2452723.89
 EL 428.10

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	PLOT DATE = 3/24/2011	DATE - 3/17/2011	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

LOCATION 06 (S.N. 014-0008) BRIDGE-ALBERS			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	D8 GUARDRAIL UPDATE 2011	VARIOUS	37	12
F.A.S.	CONTRACT NO. 76E78			
795	ILLINOIS FED. AID PROJECT			



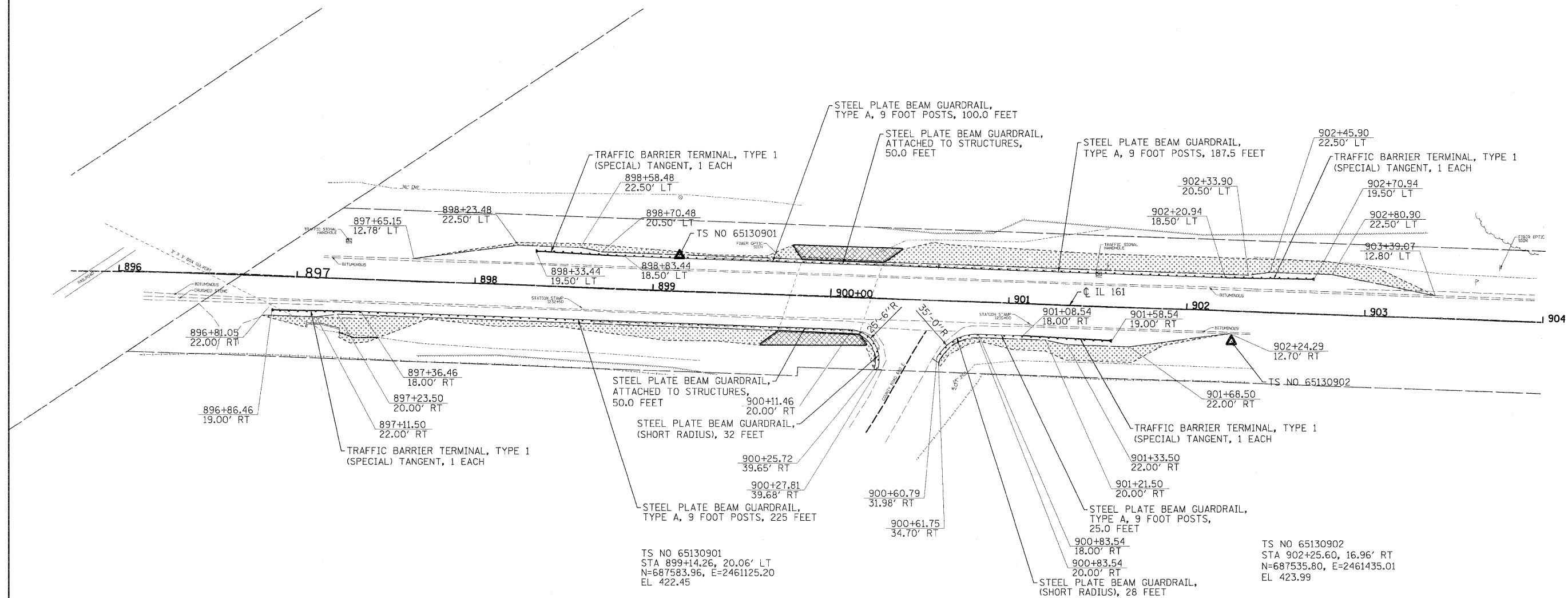
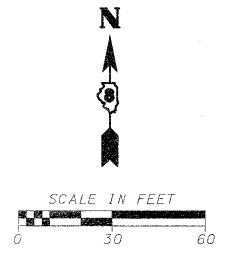
TYPICAL SPBGR SECTION WITH 1:2.5 SLOPE

(SEE HIGHWAY STANDARDS FOR SECTION AT TERMINAL SECTION)
 *1V:2.5H (TYP); 1V:2H (MAX)

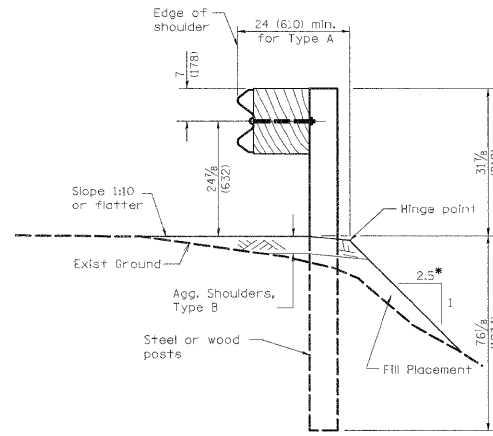
LEGEND

- PRIMARY HAZARD
- SECONDARY HAZARD
- SEEDING & EROSION CONTROL BLANKET
- APPARENT EXISTING RIGHT OF WAY
- EXISTING GUARDRAIL
- PROPOSED STEEL PLATE BEAM GUARDRAIL (OF THE TYPE SPECIFIED)
- TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT
- TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED
- PROPOSED AGGREGATE SHOULDER
- APPROX. LIMITS OF CONSTRUCTION
- DITCH RE-GRADING (INCLUDED IN EARTHWORK)

ALIGNMENTS DEVELOPED FOR INDIVIDUAL LOCATION STATIONING ARE ARBITRARY AND DO NOT REPRESENT THE ACTUAL STATIONING OF IL 161. ARBITRARY STATIONING WAS USED IN ALL STATION / OFFSET LABELS FOR THIS PROJECT.



FILE NAME =	USER NAME = USERDESCR.	DESIGNED - DLD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION 09 (S.N. 014-2000) BOX CULVERT-EAST OF ALBERS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ht:\6513 idot db\var\6513.03 wa 3\oaddd.sh	ets\0873E78-SHT-PLAN_09-15.dgn	DRAWN - DLD	REVISED -		805	DB GUARDRAIL UPDATE 2011	VARIOUS	37	15			
	PLOT SCALF = 3/8"=1' / IN.	CHECKED - BGH	REVISED -		CONTRACT NO. 76E78							
	PLOT DATE = 3/24/2011	DATE - 3/17/2011	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

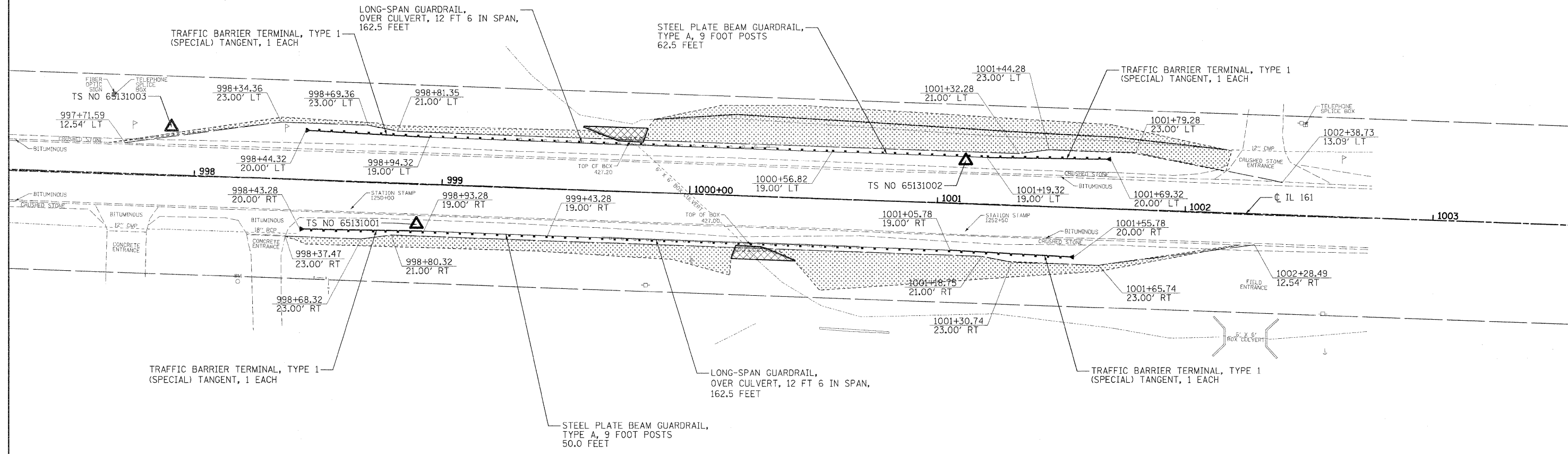
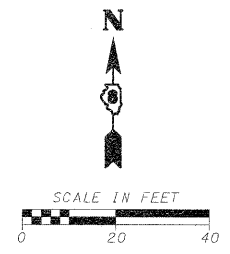


TYPICAL SPBGR SECTION WITH 1:2.5 SLOPE

(SEE HIGHWAY STANDARDS FOR SECTION AT TERMINAL SECTION)
 •1V:2.5H (TYP); 1V:2H (MAX)

- LEGEND**
- PRIMARY HAZARD
 - SECONDARY HAZARD
 - SEEDING & EROSION CONTROL BLANKET
 - APPARENT EXISTING RIGHT OF WAY
 - EXISTING GUARDRAIL
 - PROPOSED STEEL PLATE BEAM GUARDRAIL (OF THE TYPE SPECIFIED)
 - TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT
 - TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED
 - PROPOSED AGGREGATE SHOULDER
 - APPROX. LIMITS OF CONSTRUCTION
 - DITCH RE-GRADING (INCLUDED IN EARTHWORK)

ALIGNMENTS DEVELOPED FOR INDIVIDUAL LOCATION STATIONING ARE ARBITRARY AND DO NOT REPRESENT THE ACTUAL STATIONING OF IL 161. ARBITRARY STATIONING WAS USED IN ALL STATION / OFFSET LABELS FOR THIS PROJECT.

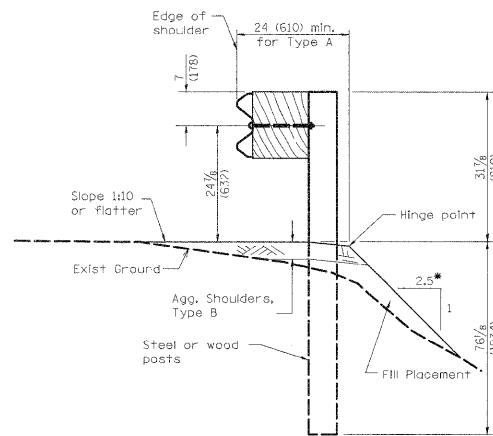


TS NO 65131003
 STA 997+90.17, 19.50' LT
 N=687526.77, E=2462743.09
 EL 427.13

TS NO 65131001
 STA 998+90.23, 16.37' RT
 N=687487.40, E=2462841.84
 EL 427.79

TS NO 65131002
 STA 1001+10.90, 17.41' LT
 N=687513.40, E=2463063.56
 EL 428.18

FILE NAME =	USER NAME = .USERDESCR	DESIGNED - DLD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION 10 BOX CULVERT-EAST OF ALBERS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
h:\6513 1dot d8 ver\6513.03 wo 3\oaddd\shets\0873E78-SHT-PLAN10-16.dgn	PLOT SCALE = 20,0000' / IN.	DRAWN - DLD	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	805	DB GUARDRAIL UPDATE 2011	VARIOUS	37 16
PLOT DATE = 3/24/2011	DATE - 3/17/2011	CHECKED - BGH	REVISED -		795					F.A.S.			CONTRACT NO. 76E78
		REVISIED -	REVISED -								ILLINOIS FED. AID PROJECT		

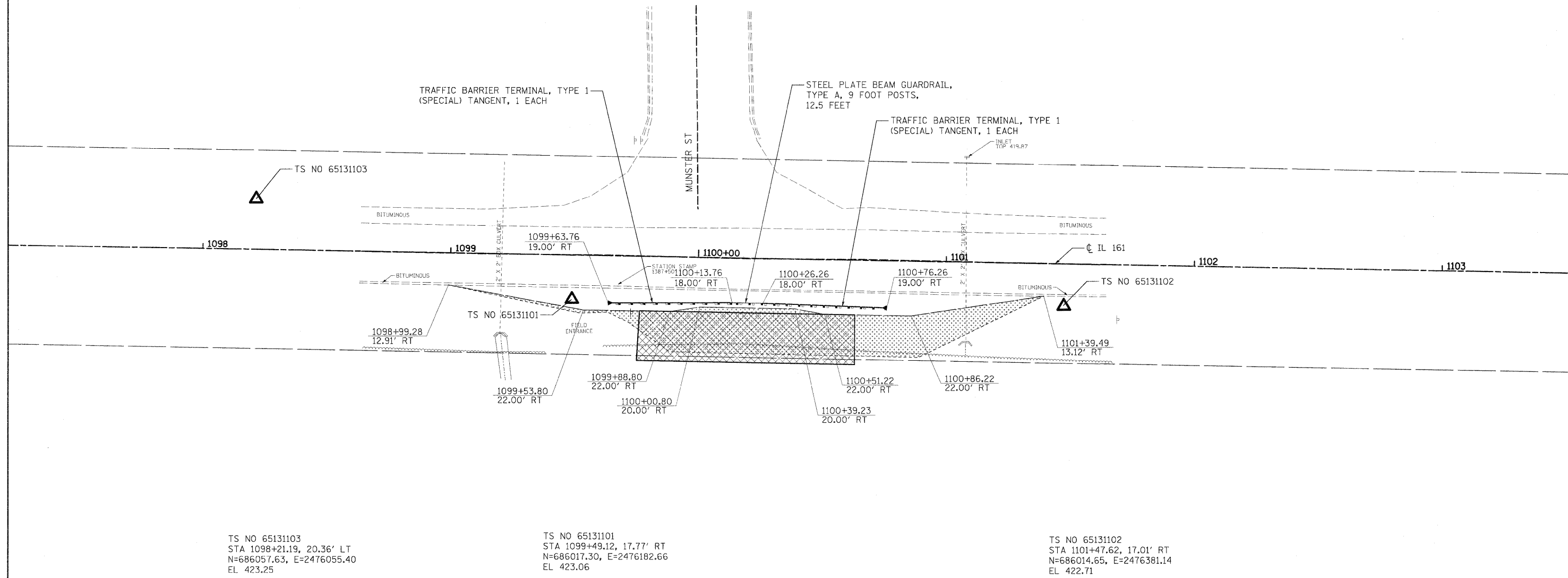
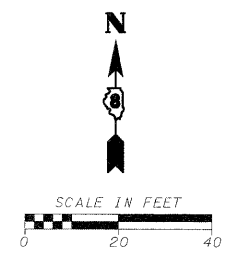


TYPICAL SPBGR SECTION WITH 1:2.5 SLOPE

(SEE HIGHWAY STANDARDS FOR SECTION AT TERMINAL SECTION)
 •1V:2.5H (TYP); 1V:2H (MAX)

- LEGEND**
- PRIMARY HAZARD
 - SECONDARY HAZARD
 - SEEDING & EROSION CONTROL BLANKET
 - APPARENT EXISTING RIGHT OF WAY
 - EXISTING GUARDRAIL
 - PROPOSED STEEL PLATE BEAM GUARDRAIL (OF THE TYPE SPECIFIED)
 - TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT
 - TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED
 - PROPOSED AGGREGATE SHOULDER
 - APPROX. LIMITS OF CONSTRUCTION
 - DITCH RE-GRADING (INCLUDED IN EARTHWORK)

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TS NO 65131103
 STA 1098+21.19, 20.36' LT
 N=686057.63, E=2476055.40
 EL 423.25

TS NO 65131101
 STA 1099+49.12, 17.77' RT
 N=686017.30, E=2476182.66
 EL 423.06

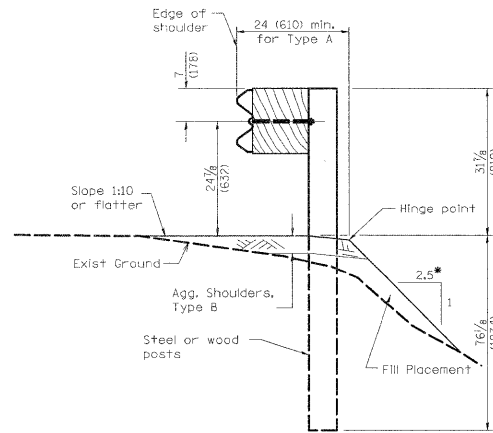
TS NO 65131102
 STA 1101+47.62, 17.01' RT
 N=686014.65, E=2476381.14
 EL 422.71

FILE NAME =	USER NAME = .USERDESCR.	DESIGNED - DLD	REVISED -
H:\6513 idot db var\6513.03 wo 3\cadd\sh	ets\0873E78-SHT-PLAN_11-17.dgn	DRAWN - DLD	REVISED -
	PLOT SCALE = 20.0000' / IN.	CHECKED - BGH	REVISED -
	PLOT DATE = 3/24/2011	DATE - 3/17/2011	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

LOCATION 11 "T" INTERSECTION-GERMANTOWN			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

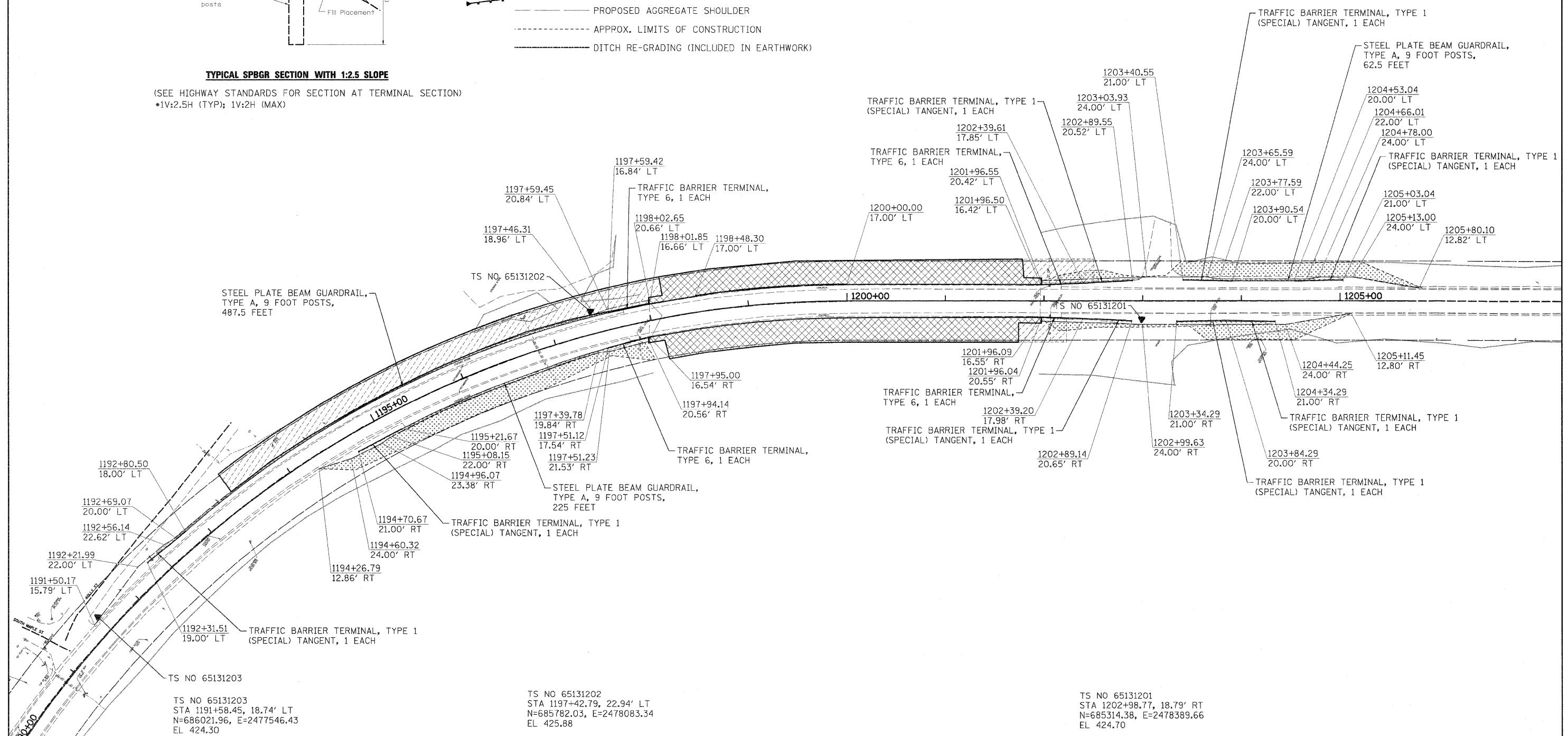
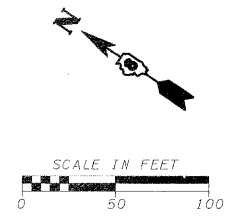
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	DB GUARDRAIL UPDATE 2011	VARIOUS	37	17
F.A.S.	CONTRACT NO. 76E78			
795	ILLINOIS FED. AID PROJECT			



TYPICAL SPBGR SECTION WITH 1:2.5 SLOPE
 (SEE HIGHWAY STANDARDS FOR SECTION AT TERMINAL SECTION)
 •1V:2.5H (TYP); 1V:2H (MAX)

- LEGEND**
- PRIMARY HAZARD
 - SECONDARY HAZARD
 - SEEDING & EROSION CONTROL BLANKET
 - APPARENT EXISTING RIGHT OF WAY
 - EXISTING GUARDRAIL
 - PROPOSED STEEL PLATE BEAM GUARDRAIL (OF THE TYPE SPECIFIED)
 - TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT
 - TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED
 - PROPOSED AGGREGATE SHOULDER
 - APPROX. LIMITS OF CONSTRUCTION
 - DITCH RE-GRADING (INCLUDED IN EARTHWORK)

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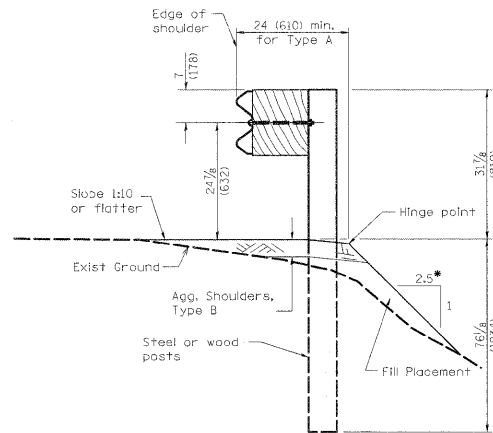


TS NO 65131203
 STA 1191+58.45, 18.74' LT
 N=686021.96, E=2477546.43
 EL 424.30

TS NO 65131202
 STA 1197+42.79, 22.94' LT
 N=685782.03, E=2478083.34
 EL 425.88

TS NO 65131201
 STA 1202+98.77, 18.79' RT
 N=685314.38, E=2478389.66
 EL 424.70

FILE NAME =	USER NAME = .USERDESCR.	DESIGNED - DLD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION 12 (S.N. 014-0009) BRIDGE-GERMANTOWN			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
hd\65131 dot d8 var\65131.03 wo 3\oaddd.sh	eta\087378-SHT-PLAN.12-18.dgn	DRAWN - DLD	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	805	DB GUARDRAIL UPDATE 2011	VARIOUS	37	18
	PLOT SCALE = 50:0000' / IN.	CHECKED - BGH	REVISED -							F.A.S.			CONTRACT NO. 76E78	
	PLOT DATE = 3/24/2011	DATE - 3/17/2011	REVISED -							795			ILLINOIS FED. AID PROJECT	

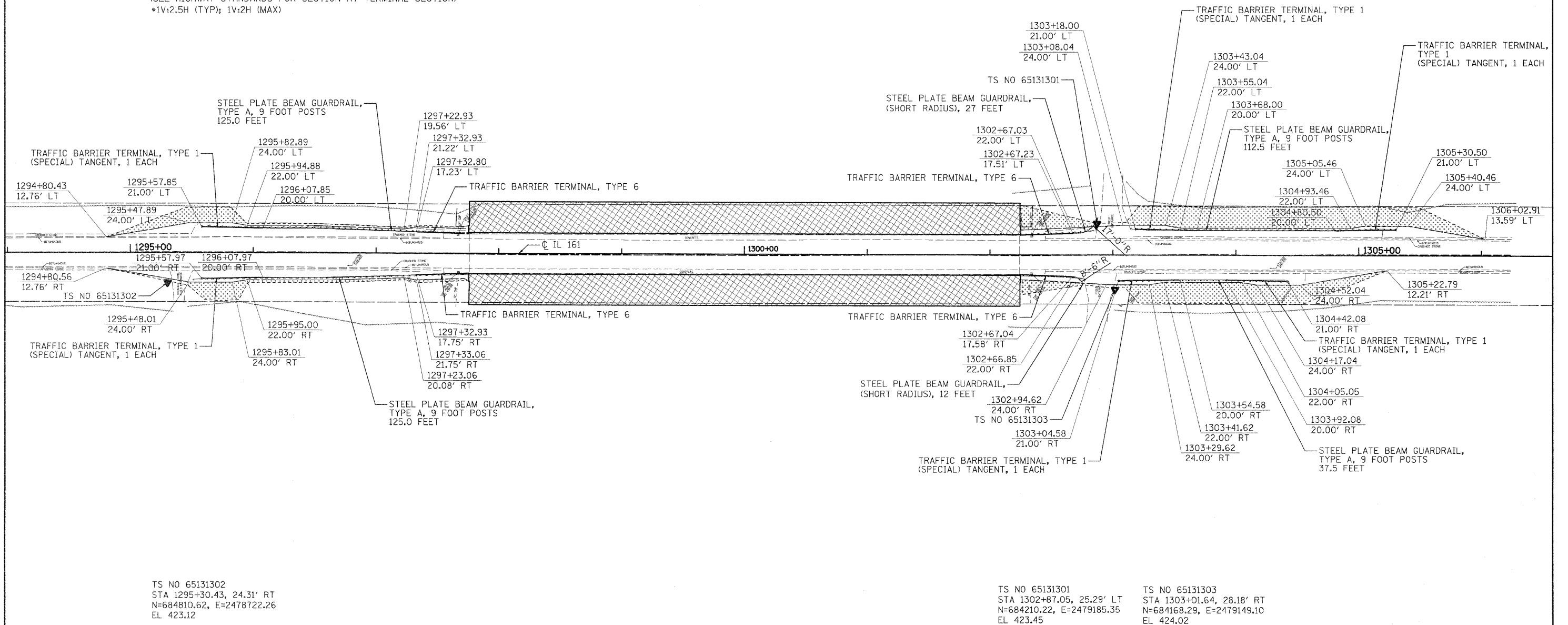
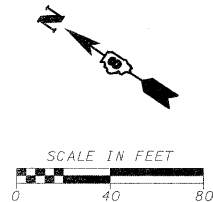


TYPICAL SPBGR SECTION WITH 1:2.5 SLOPE

(SEE HIGHWAY STANDARDS FOR SECTION AT TERMINAL SECTION)
 *1V:2.5H (TYP); 1V:2H (MAX)

- LEGEND**
- PRIMARY HAZARD
 - SECONDARY HAZARD
 - SEEDING & EROSION CONTROL BLANKET
 - APPARENT EXISTING RIGHT OF WAY
 - EXISTING GUARDRAIL
 - PROPOSED STEEL PLATE BEAM GUARDRAIL (OF THE TYPE SPECIFIED)
 - TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT
 - TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED
 - PROPOSED AGGREGATE SHOULDER
 - APPROX. LIMITS OF CONSTRUCTION
 - DITCH RE-GRADING (INCLUDED IN EARTHWORK)

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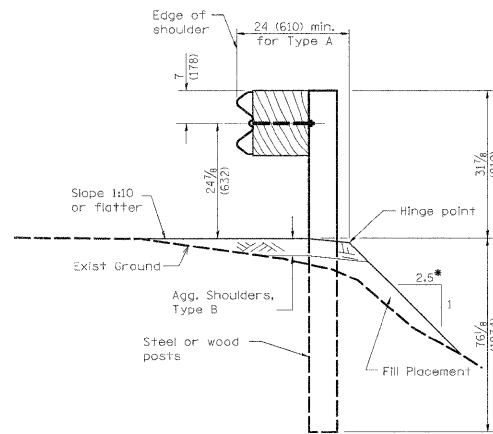


TS NO 65131302
 STA 1295+30.43, 24.31' RT
 N=684810.62, E=2478722.26
 EL 423.12

TS NO 65131301
 STA 1302+87.05, 25.29' LT
 N=684210.22, E=2479185.35
 EL 423.45

TS NO 65131303
 STA 1303+01.64, 28.18' RT
 N=684168.29, E=2479149.10
 EL 424.02

FILE NAME =	USER NAME = .USERDESCR.	DESIGNED - DLD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION 13 (S.N. 014-0010) BRIDGE-GERMANTOWN	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
h:\6513\dot d8 ver\6513.03 wo 3\oadid.sh	eta\0873E78-SHT-PLAN_13-19.dgn	DRAWN - DLD	REVISED -			805	DB GUARDRAIL UPDATE 2011	VARIOUS	37	19	
	PLOT SCALE = 4x/2000' / IN.	CHECKED - BGH	REVISED -			F.A.S.					CONTRACT NO. 76E78
	PLOT DATE = 3/24/2011	DATE - 3/17/2011	REVISED -			795		ILLINOIS FED. AID PROJECT			



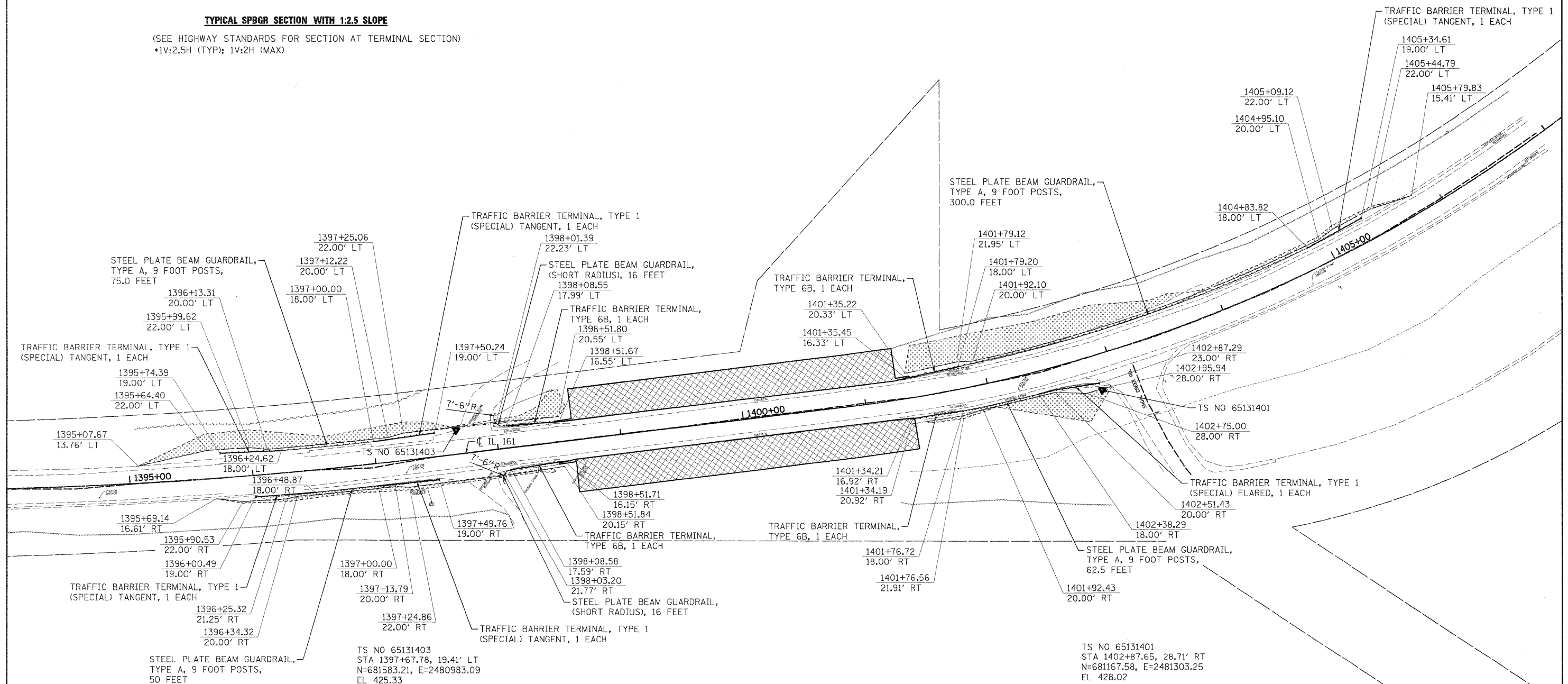
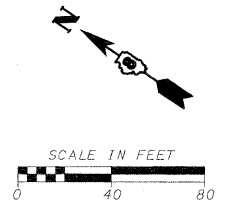
TYPICAL SPBGR SECTION WITH 1:2.5 SLOPE

(SEE HIGHWAY STANDARDS FOR SECTION AT TERMINAL SECTION)
 *1V:2.5H (TYP); 1V:2H (MAX)

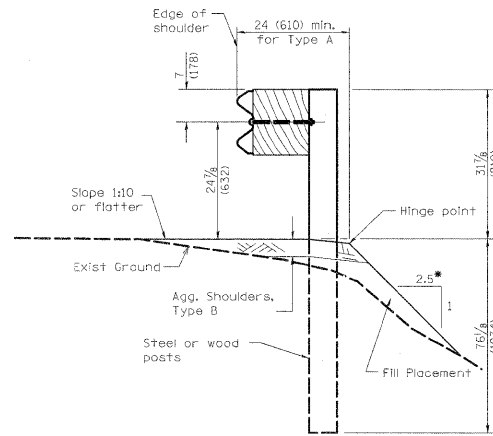
LEGEND

- PRIMARY HAZARD
- SECONDARY HAZARD
- SEEDING & EROSION CONTROL BLANKET
- APPARENT EXISTING RIGHT OF WAY
- EXISTING GUARDRAIL
- PROPOSED STEEL PLATE BEAM GUARDRAIL (OF THE TYPE SPECIFIED)
- TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT
- TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED
- PROPOSED AGGREGATE SHOULDER
- APPROX. LIMITS OF CONSTRUCTION
- DITCH RE-GRADING (INCLUDED IN EARTHWORK)

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FILE NAME =	USER NAME = .USERDESCR.	DESIGNED - DLD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION 14 (S.N. 014-0070) BRIDGE-SOUTHEAST OF GERMANTOWN	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
h:\6513 idot db var\6513.03 wo 3\oadddsh	h:\6513 idot db var\6513.03 wo 3\oadddsh	DRAWN - DLD	REVISED -			805	DB GUARDRAIL UPDATE 2011	VARIOUS	37	20	
		CHECKED - BGH	REVISED -			CONTRACT NO. 76E78					
		DATE - 3/17/2011	REVISED -			795	ILLINOIS FED. AID PROJECT				
						SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	

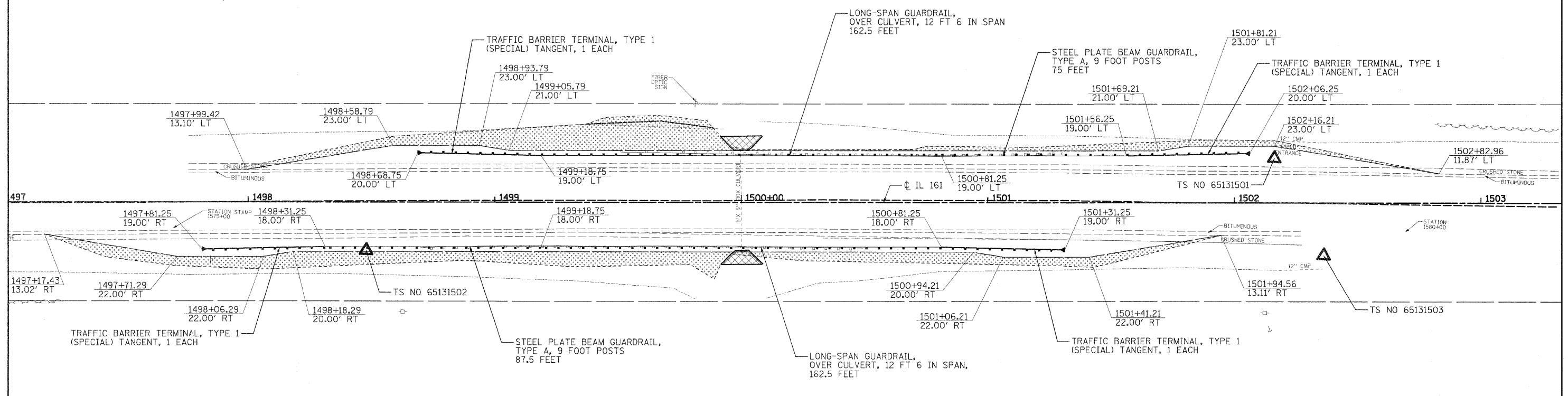
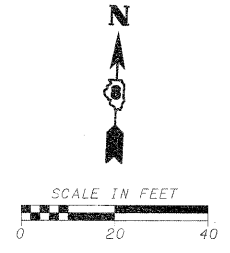


TYPICAL SPBGR SECTION WITH 1:2.5 SLOPE

(SEE HIGHWAY STANDARDS FOR SECTION AT TERMINAL SECTION)
 •1V:2.5H (TYP); 1V:2H (MAX)

- LEGEND**
- PRIMARY HAZARD
 - SECONDARY HAZARD
 - SEEDING & EROSION CONTROL BLANKET
 - APPARENT EXISTING RIGHT OF WAY
 - EXISTING GUARDRAIL
 - PROPOSED STEEL PLATE BEAM GUARDRAIL (OF THE TYPE SPECIFIED)
 - TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT
 - TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED
 - PROPOSED AGGREGATE SHOULDER
 - APPROX. LIMITS OF CONSTRUCTION
 - DITCH RE-GRADING (INCLUDED IN EARTHWORK)

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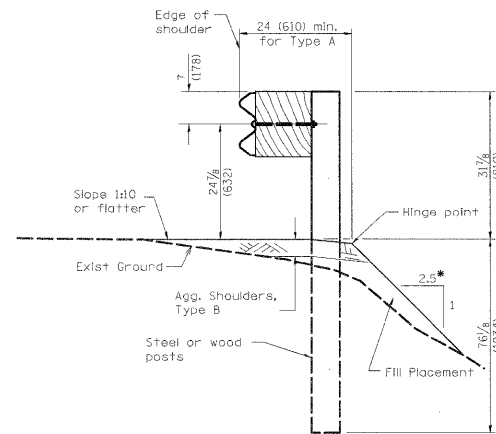


TS NO 65131502
 STA 1498+47.55, 19.50' RT
 N=681522.98, E=2492463.81
 EL 444.493

TS NO 65131501
 STA 1502+16.21, 18.08' LT
 N=681573.56, E=2492830.58
 EL 446.79

TS NO 65131503
 STA 1502+36.17, 21.31' RT
 N=681534.90, E=2492851.93
 EL 446.43

FILE NAME = h:\6513\dot d8 ver\6513.03 wo 3\oad.dsh	USER NAME = .USERCESCL h:\6513\dot d8 ver\6513.03 wo 3\oad.dsh	DESIGNED - DLD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION 15 BOX CULVERT-WEST OF BARTELSON			F.A.P. RTE. 805	SECTION D8 GUARDRAIL UPDATE 2011	COUNTY VARIOUS	TOTAL SHEETS 37	SHEET NO. 21
PLOT SCALE = 22.0000' / IN.		DRAWN - DLD	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	CONTRACT NO. 76E78		
PLOT DATE = 3/24/2011		CHECKED - BGH	REVISED -							ILLINOIS FED. AID PROJECT		
		DATE - 3/17/2011	REVISED -									

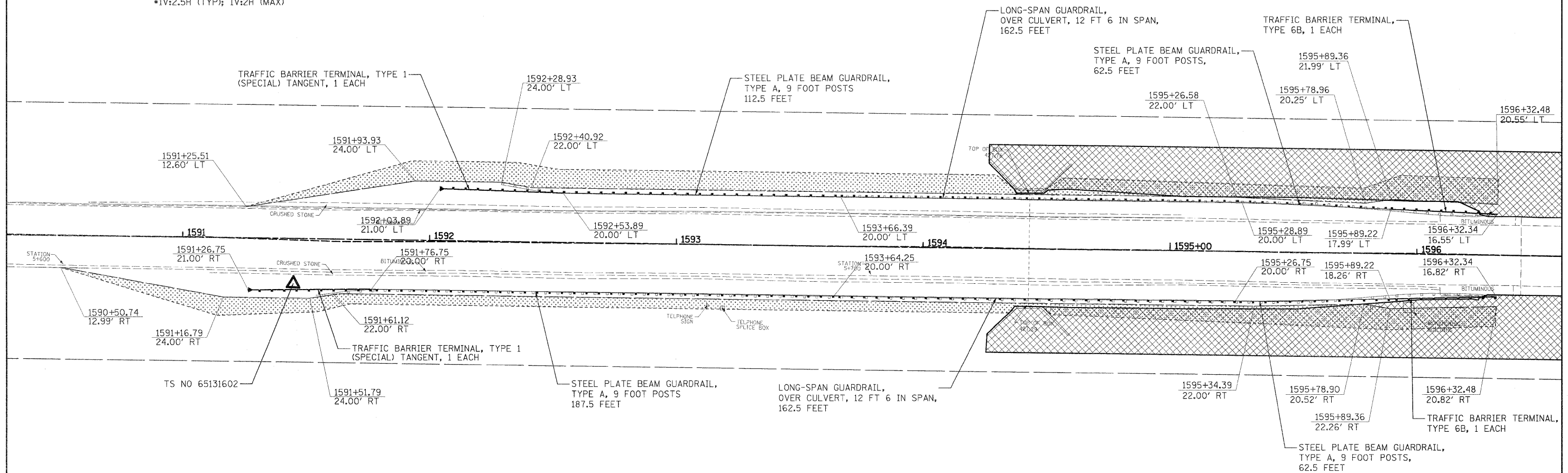
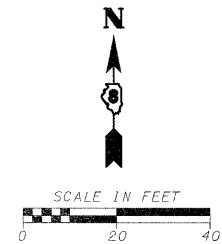


TYPICAL SPBGR SECTION WITH 1:2.5 SLOPE

(SEE HIGHWAY STANDARDS FOR SECTION AT TERMINAL SECTION)
 •1V:2.5H (TYP); 1V:2H (MAX)

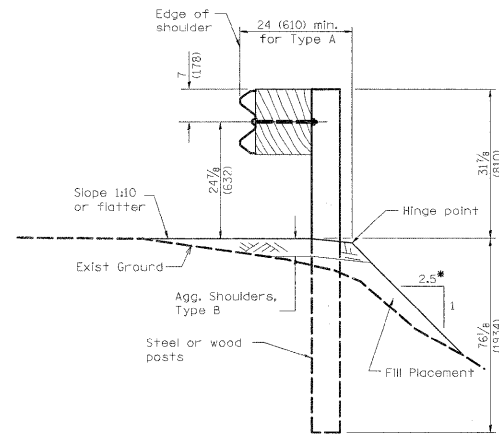
- LEGEND**
- PRIMARY HAZARD
 - SECONDARY HAZARD
 - SEEDING & EROSION CONTROL BLANKET
 - APPARENT EXISTING RIGHT OF WAY
 - EXISTING GUARDRAIL
 - PROPOSED STEEL PLATE BEAM GUARDRAIL (OF THE TYPE SPECIFIED)
 - TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT
 - TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED
 - PROPOSED AGGREGATE SHOULDER
 - APPROX. LIMITS OF CONSTRUCTION
 - DITCH RE-GRADING (INCLUDED IN EARTHWORK)

ALIGNMENTS DEVELOPED FOR INDIVIDUAL LOCATION STATIONING ARE ARBITRARY AND DO NOT REPRESENT THE ACTUAL STATIONING OF IL 161. ARBITRARY STATIONING WAS USED IN ALL STATION / OFFSET LABELS FOR THIS PROJECT.



TS NO 65131602
 STA 1591+44.97, 18.28' RT
 N=681762.82, E=2520308.35
 EL 428.62

FILE NAME =	USER NAME = .USERDESCR.	DESIGNED - DLD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION 16A (S.N. 014-0071) BRIDGE & BOX CULVERT-EAST OF BARTELSON	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
h:\6513\dot d8 var\6513.03 wo 3\oedd.sh	ts\0873e78-SHT-PLAN.16a-22.dgn	DRAWN - DLD	REVISED -			805	DB GUARDRAIL UPDATE 2011	VARIOUS	37	22
	PLOT SCALE = 20.0000' / IN.	CHECKED - BGH	REVISED -			F.A.S.		CONTRACT NO. 76E78		
	PLOT DATE = 3/24/2011	DATE - 3/17/2011	REVISED -			795		ILLINOIS FED. AID PROJECT		
					SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	

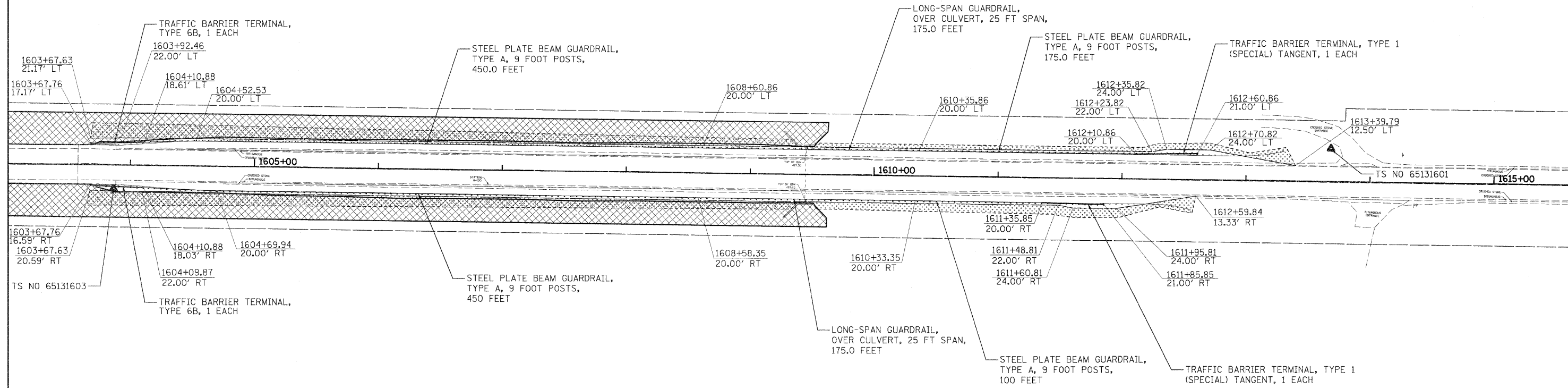
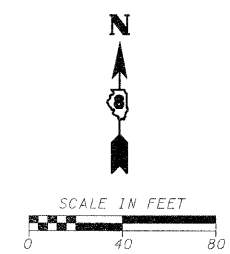


TYPICAL SPBGR SECTION WITH 1:2.5 SLOPE

(SEE HIGHWAY STANDARDS FOR SECTION AT TERMINAL SECTION)
 •1V:2.5H (TYP); 1V:2H (MAX)

- LEGEND**
- PRIMARY HAZARD
 - SECONDARY HAZARD
 - SEEDING & EROSION CONTROL BLANKET
 - APPARENT EXISTING RIGHT OF WAY
 - EXISTING GUARDRAIL
 - PROPOSED STEEL PLATE BEAM GUARDRAIL (OF THE TYPE SPECIFIED)
 - TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT
 - TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED
 - PROPOSED AGGREGATE SHOULDER
 - APPROX. LIMITS OF CONSTRUCTION
 - DITCH RE-GRADING (INCLUDED IN EARTHWORK)

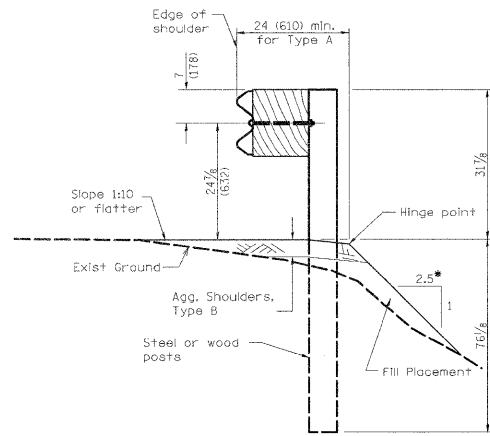
ALIGNMENTS DEVELOPED FOR INDIVIDUAL LOCATION STATIONING ARE ARBITRARY AND DO NOT REPRESENT THE ACTUAL STATIONING OF IL 161. ARBITRARY STATIONING WAS USED IN ALL STATION / OFFSET LABELS FOR THIS PROJECT.



TS NO 65131603
 STA 1603+86.74, 19.23' RT
 N=681789.33, E=2521549.84
 EL 429.00

TS NO 65131601
 STA 1613+68.26, 26.44' LT
 N=681856.72, E=2522530.10
 EL 426.72

FILE NAME =	USER NAME = .USERDESCR.	DESIGNED - DLD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION 16B (S.N. 014-0071) BRIDGE & BOX CULVERT-EAST OF BARTELSON	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ht:\6513\dot d8 ver\6513.03 wo 3\oaddd.sh	ets\0873E78-SHT-PLAN_16b-23.dgn	DRAWN - DLD	REVISED -			805	D8 GUARDRAIL UPDATE 2011	VARIOUS	37	23
	PLOT SCALE = 4/2000" / 1"	CHECKED - BGH	REVISED -			F.A.S.		CONTRACT NO. 76E78		
	PLOT DATE = 3/24/2011	DATE - 3/17/2011	REVISED -			795		ILLINOIS FED. AID PROJECT		

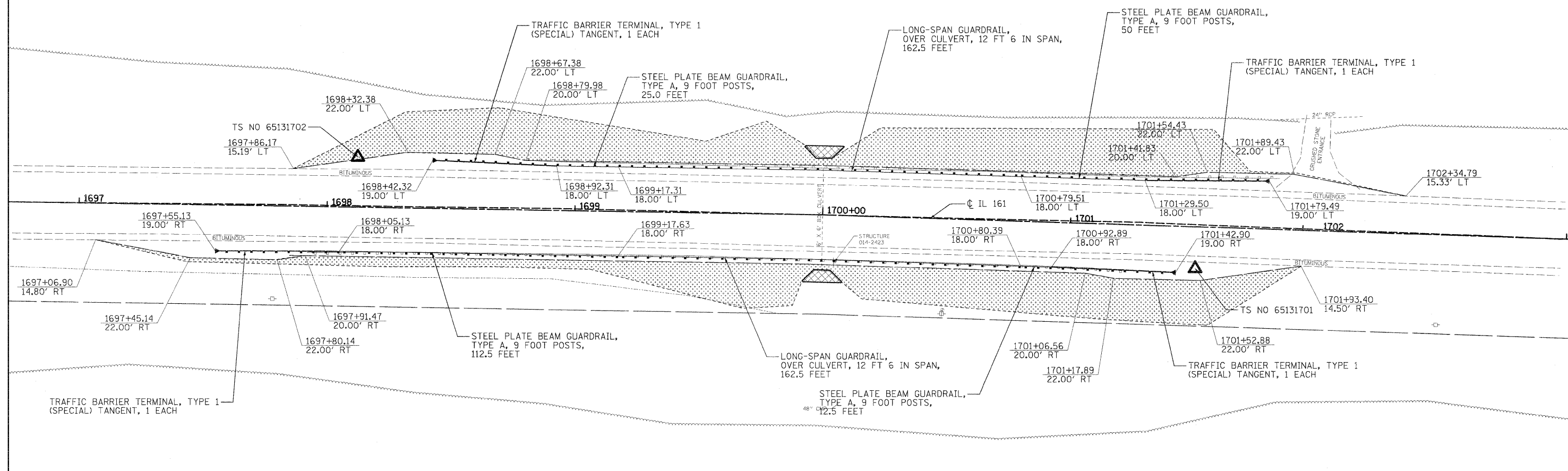
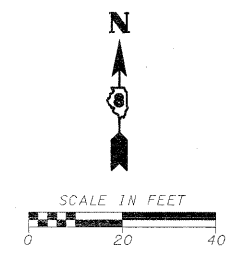


TYPICAL SPBGR SECTION WITH 1:2.5 SLOPE

(SEE HIGHWAY STANDARDS FOR SECTION AT TERMINAL SECTION)
 *1V:2.5H (TYP); 1V:2H (MAX)

- LEGEND**
- PRIMARY HAZARD
 - SECONDARY HAZARD
 - SEEDING & EROSION CONTROL BLANKET
 - APPARENT EXISTING RIGHT OF WAY
 - EXISTING GUARDRAIL
 - PROPOSED STEEL PLATE BEAM GUARDRAIL (OF THE TYPE SPECIFIED)
 - TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT
 - TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED
 - PROPOSED AGGREGATE SHOULDER
 - APPROX. LIMITS OF CONSTRUCTION
 - DITCH RE-GRADING (INCLUDED IN EARTHWORK)

ALIGNMENTS DEVELOPED FOR INDIVIDUAL LOCATION STATIONING ARE ARBITRARY AND DO NOT REPRESENT THE ACTUAL STATIONING OF IL 161. ARBITRARY STATIONING WAS USED IN ALL STATION / OFFSET LABELS FOR THIS PROJECT.

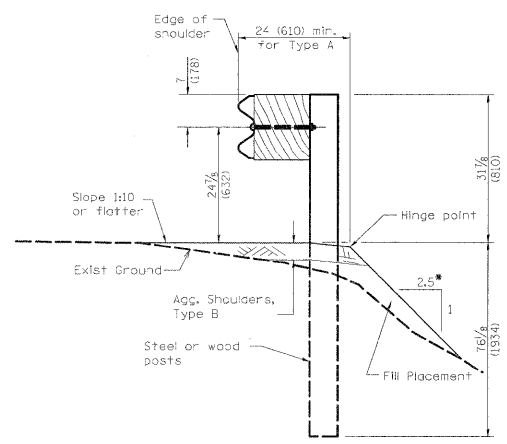


TS NO 65131702
 STA 1698+12.09, 20.21' LT
 N=682042.86, E=2536458.16
 EL 431.99

TS NO 65131701
 STA 1701+50.73, 16.82' RT
 N=681998.00, E=2536795.83
 EL 430.61

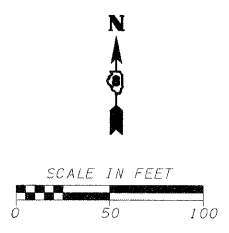
FILE NAME =	USER NAME = .USERDESCR	DESIGNED - DLD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION 17 (S.N. 014-2423) BOX CULVERT-WEST OF HOFFMAN			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
ha\6513 idot db var\5513.03 wo 3\cedd.sh	ets\0873678-SHT-PLAN_17-24.dgn	DRAWN - DLD	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	805	DB GUARDRAIL UPDATE 2011	VARIOUS	37	24
	PLOT SCALE = 20.0000' / IN.	CHECKED - BGH	REVISED -							F.A.S.				
	PLOT DATE = 3/24/2011	DATE - 3/17/2011	REVISED -							795				CONTRACT NO. 76E78
												ILLINOIS FED. AID PROJECT		

ALIGNMENTS DEVELOPED FOR INDIVIDUAL LOCATION STATIONING ARE ARBITRARY AND DO NOT REPRESENT THE ACTUAL STATIONING OF IL 161. ARBITRARY STATIONING WAS USED IN ALL STATION / OFFSET LABELS FOR THIS PROJECT.

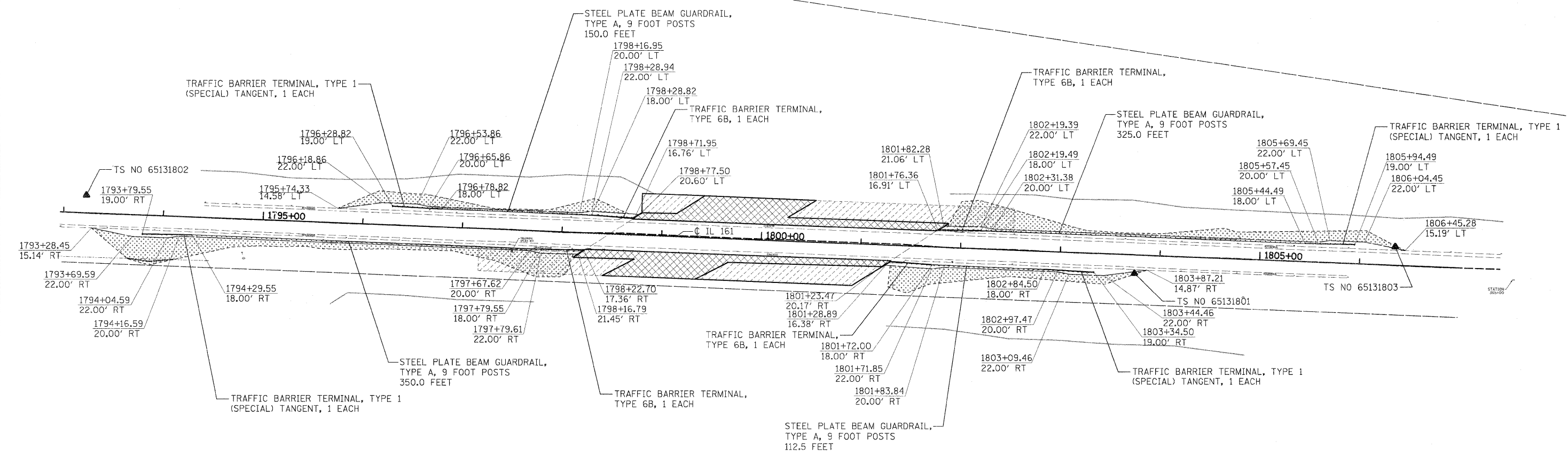


LEGEND

- PRIMARY HAZARD
- SECONDARY HAZARD
- SEEDING & EROSION CONTROL BLANKET
- APPARENT EXISTING RIGHT OF WAY
- EXISTING GUARDRAIL
- PROPOSED STEEL PLATE BEAM GUARDRAIL (OF THE TYPE SPECIFIED)
- TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT
- TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED
- PROPOSED AGGREGATE SHOULDER
- APPROX. LIMITS OF CONSTRUCTION
- DITCH RE-GRADING (INCLUDED IN EARTHWORK)



TYPICAL SPBGR SECTION WITH 1:2.5 SLOPE
 (SEE HIGHWAY STANDARDS FOR SECTION AT TERMINAL SECTION)
 •1V:2.5H (TYP); 1V:2H (MAX)

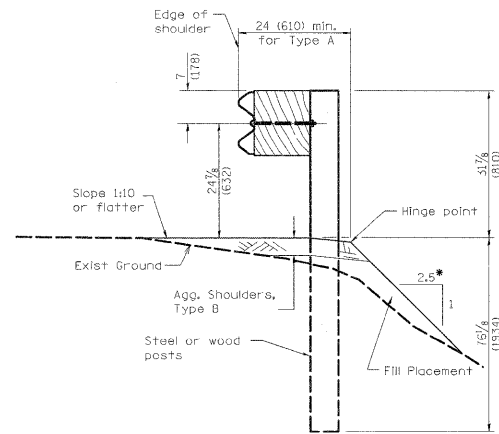


TS NO 65131802
 STA 1793+22.15, 17.83'LT
 N=682009.60, E=2537417.09
 EL 431.49

TS NO 65131801
 STA 1803+75.05, 18.65' RT
 N=681931.82, E=2538467.74
 EL 431.76

TS NO 65131803
 STA 1806+35.09, 18.45' LT
 N=681958.68, E=2538729.03
 EL 431.40

FILE NAME =	USER NAME = .USERDESCR.	DESIGNED - DLD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION 18 (S.N. 014-0024) BRIDGE-WEST OF CENTRALIA	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
h:\6513\dot d8 var\6513.03 wo 3\oaddd.sh	ets\CD873E78-SHT-PLAN_18-25.dgn	DRAWN - DLD	REVISED -			805	DB GUARDRAIL UPDATE 2011	VARIOUS	37	25
	PLOT SCALE = 50.0000' / IN.	CHECKED - BGH	REVISED -			F.A.S.		CONTRACT NO. 76E78		
	PLOT DATE = 3/24/2011	DATE - 3/17/2011	REVISED -			795		ILLINOIS FED. AID PROJECT		

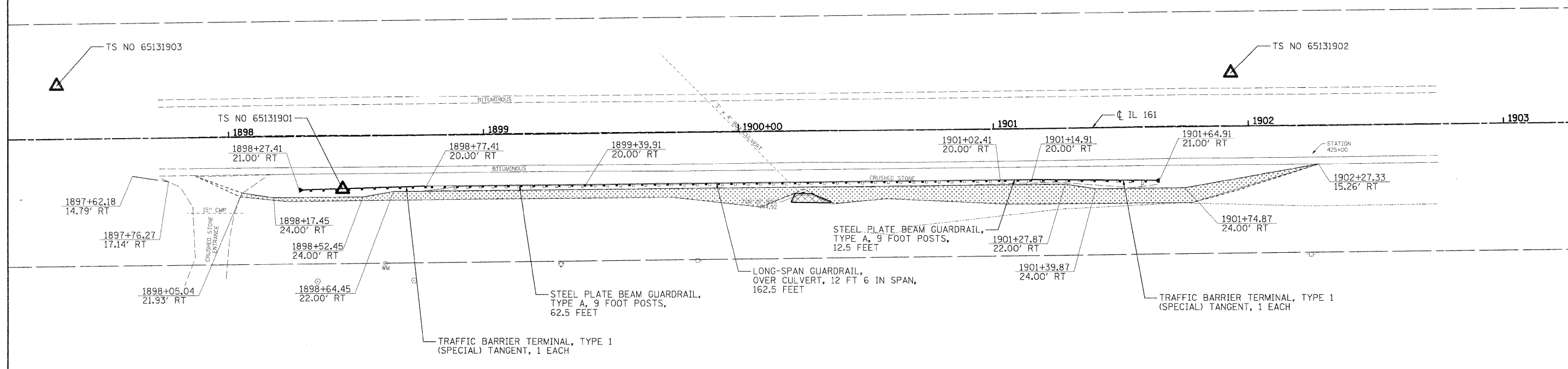
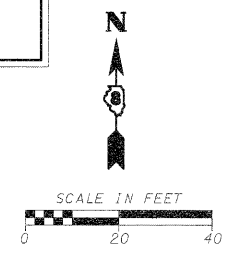


TYPICAL SPBGR SECTION WITH 1:2.5 SLOPE

(SEE HIGHWAY STANDARDS FOR SECTION AT TERMINAL SECTION)
 •1V:2.5H (TYP); 1V:2H (MAX)

- LEGEND**
- PRIMARY HAZARD
 - SECONDARY HAZARD
 - SEEDING & EROSION CONTROL BLANKET
 - APPARENT EXISTING RIGHT OF WAY
 - EXISTING GUARDRAIL
 - PROPOSED STEEL PLATE BEAM GUARDRAIL (OF THE TYPE SPECIFIED)
 - TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT
 - TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED
 - PROPOSED AGGREGATE SHOULDER
 - APPROX. LIMITS OF CONSTRUCTION
 - DITCH RE-GRADING (INCLUDED IN EARTHWORK)

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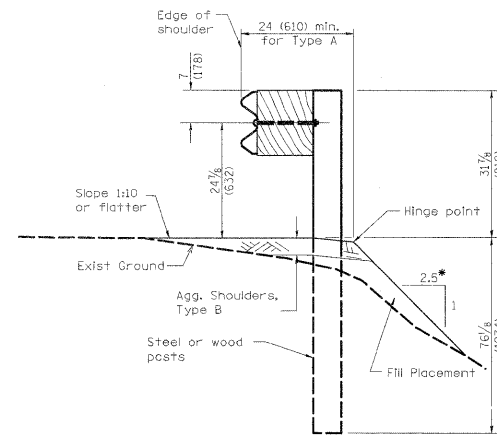


TS NO 65131903
 STA 1897+32.84, 20.93' LT
 N=682276.84, E=2544342.83
 EL 445.23

TS NO 65131901
 STA 1898+44.51, 20.85' RT
 N=682236.37, E=2544454.98
 EL 445.68

TS NO 65131902
 STA 1901+93.31, 20.76' LT
 N=682282.02, E=2544803.28
 EL 446.70

FILE NAME =	USER NAME = .USERDESCR.	DESIGNED - DLD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION 19 BOX CULVERT-WEST OF HOFFMAN			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
h:\65131 dot d8 var\6513.03 wa 3\add.sh	ets\0873E78-SHT-PLAN_19-26.dgn	DRAWN - DLD	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	805	D8 GUARDRAIL UPDATE 2011	VARIOUS	37 26
	PLOT SCALE = 20.0000' / IN.	CHECKED - BGH	REVISED -							F.A.S.			CONTRACT NO. 76E78
	PLOT DATE = 3/24/2011	DATE - 3/17/2011	REVISED -							795			ILLINOIS FED. AID PROJECT

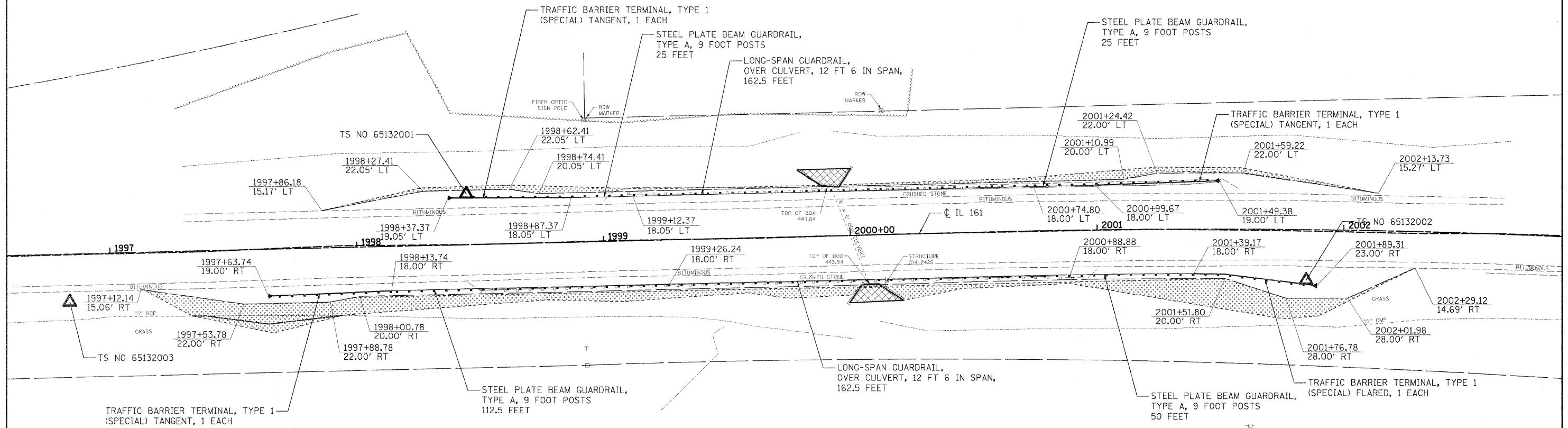
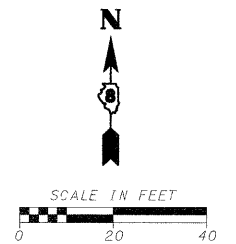


TYPICAL SPBGR SECTION WITH 1:2.5 SLOPE

(SEE HIGHWAY STANDARDS FOR SECTION AT TERMINAL SECTION)
 *1V:2.5H (TYP); 1V:2H (MAX)

- LEGEND**
- PRIMARY HAZARD
 - SECONDARY HAZARD
 - SEEDING & EROSION CONTROL BLANKET
 - APPARENT EXISTING RIGHT OF WAY
 - EXISTING GUARDRAIL
 - PROPOSED STEEL PLATE BEAM GUARDRAIL (OF THE TYPE SPECIFIED)
 - TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT
 - TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED
 - PROPOSED AGGREGATE SHOULDER
 - APPROX. LIMITS OF CONSTRUCTION
 - DITCH RE-GRADING (INCLUDED IN EARTHWORK)

ALIGNMENTS DEVELOPED FOR INDIVIDUAL LOCATION STATIONING ARE ARBITRARY AND DO NOT REPRESENT THE ACTUAL STATIONING OF IL 161. ARBITRARY STATIONING WAS USED IN ALL STATION / OFFSET LABELS FOR THIS PROJECT.



TS NO 65132003
 STA 1996+83.28, 19.40' RT
 N=682324.66, E=2548423.64
 EL 444.25

TS NO 65132001
 STA 1998+44.87, 20.49' LT
 N=682368.53, E=2548584.21
 EL 444.32

TS NO 65132002
 STA 2001+84.88, 20.46' RT
 N=682333.78, E=2548924.42
 EL 444.57

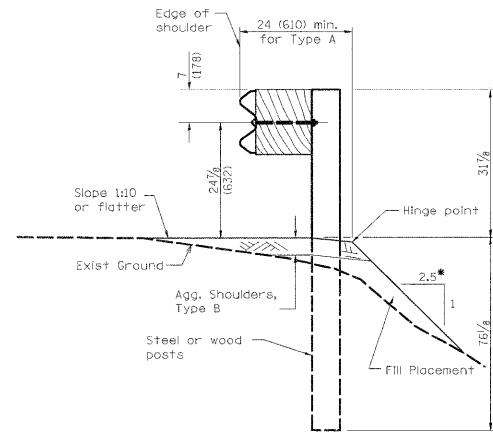
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PLOT SCALE = 20.0000' / IN.		CHECKED - BGH	REVISED -
PLOT DATE = 3/24/2011		DATE - 3/17/2011	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**LOCATION 20 (S.N. 014-2425)
 BOX CULVERT-WEST OF HOFFMAN**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	DB GUARDRAIL UPDATE 2011	VARIOUS	37	27
F.A.S.	CONTRACT NO. 76E78			
795	ILLINOIS FED. AID PROJECT			

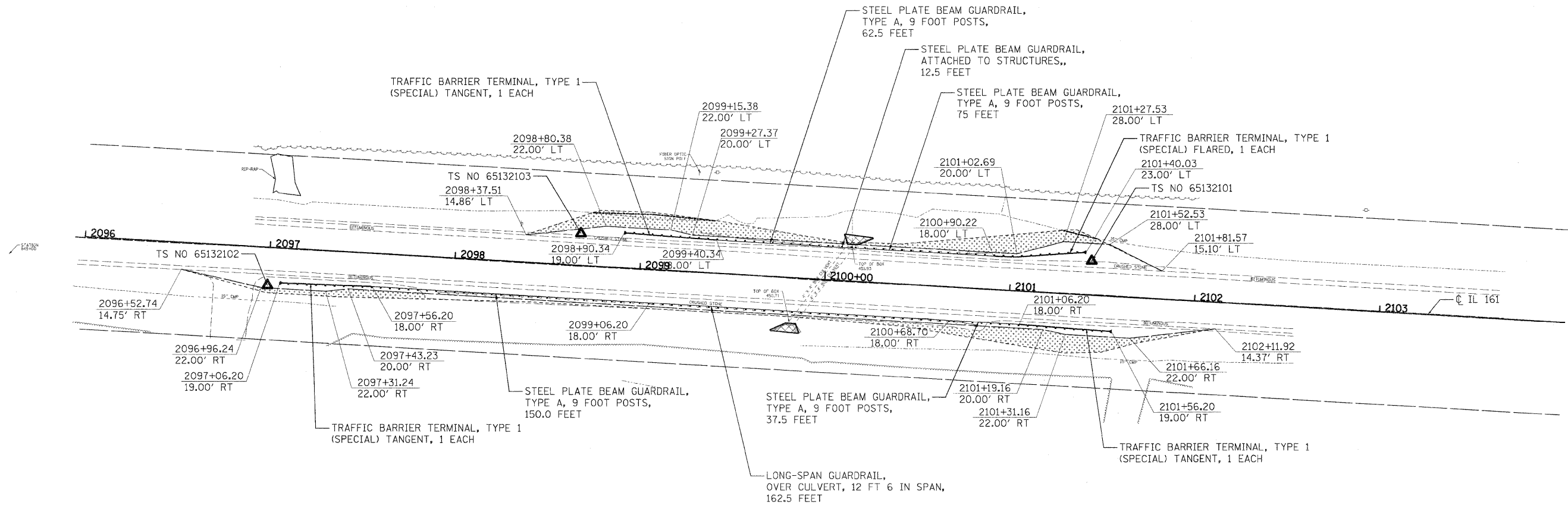
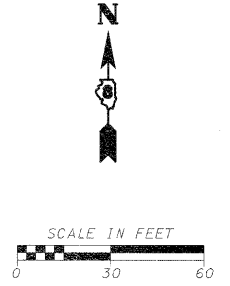


TYPICAL SPBGR SECTION WITH 1:2.5 SLOPE

(SEE HIGHWAY STANDARDS FOR SECTION AT TERMINAL SECTION)
 *1V:2.5H (TYP); 1V:2H (MAX)

- LEGEND**
- PRIMARY HAZARD
 - SECONDARY HAZARD
 - SEEDING & EROSION CONTROL BLANKET
 - APPARENT EXISTING RIGHT OF WAY
 - EXISTING GUARDRAIL
 - PROPOSED STEEL PLATE BEAM GUARDRAIL (OF THE TYPE SPECIFIED)
 - TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT
 - TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED
 - PROPOSED AGGREGATE SHOULDER
 - APPROX. LIMITS OF CONSTRUCTION
 - DITCH RE-GRADING (INCLUDED IN EARTHWORK)

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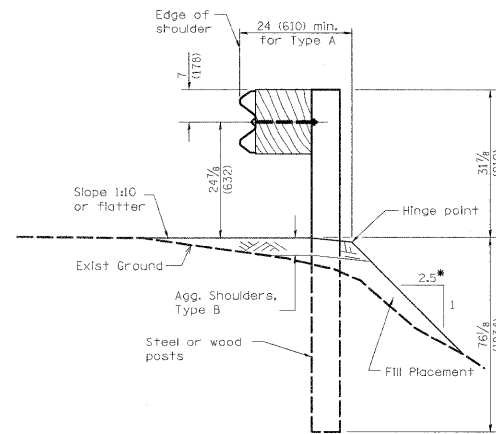


TS NO 65132102
 STA 2096+99.58, 20.69' RT
 N=682002.08, E=2566946.25
 EL 453.95

TS NO 65132103
 STA 2098+67.02, 17.37' LT
 N=682030.41, E=2567115.60
 EL 451.82

TS NO 65132101
 STA 2101+43.31, 18.47' LT
 N=682015.58, E=2567391.50
 EL 452.90

FILE NAME =	USER NAME = .USERDESCR.	DESIGNED - DLD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION 21 BOX CULVERT-WEST OF CENTRALIA			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
ha\6513 idot db ver\6513.03 wo 3\oads.dgn	ts\0873e78-SHT-PLAN_21-28.dgn	DRAWN - DLD	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	805	DB GUARDRAIL UPDATE 2011	VARIOUS	37	28
	PLOT SCALE = 3/32" = 1' / IN.	CHECKED - BGH	REVISED -							F.A.S.				
	PLOT DATE = 3/24/2011	DATE - 3/17/2011	REVISED -							795				
											CONTRACT NO. 76E78		ILLINOIS FED. AID PROJECT	

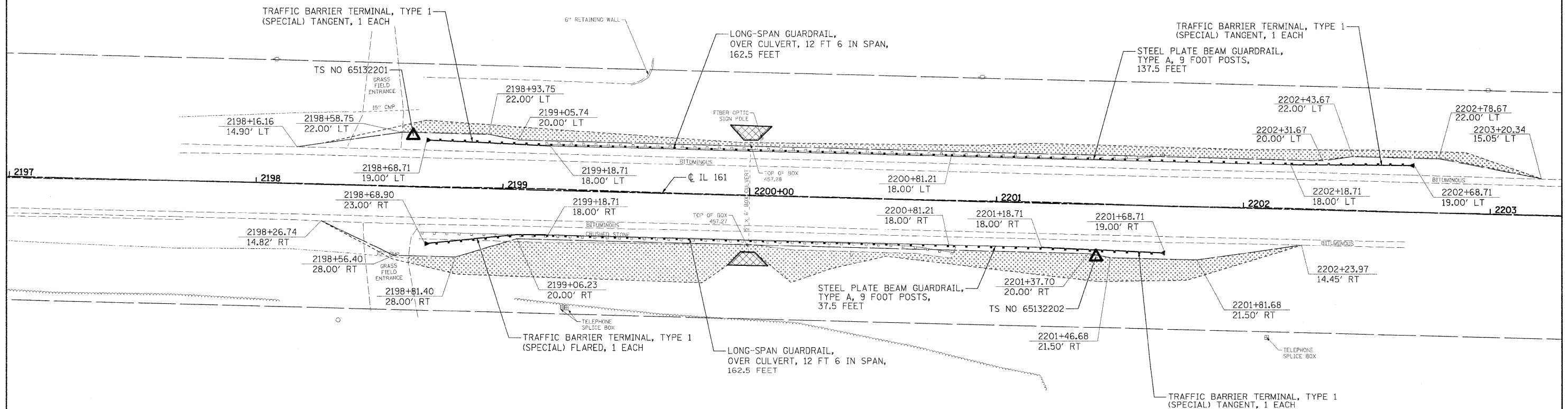
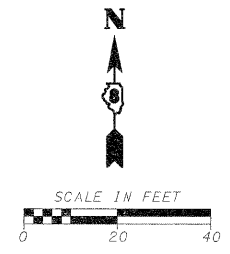


TYPICAL SPBGR SECTION WITH 1:2.5 SLOPE

(SEE HIGHWAY STANDARDS FOR SECTION AT TERMINAL SECTION)
 *1V:2.5H (TYP); 1V:2H (MAX)

- LEGEND**
- PRIMARY HAZARD
 - SECONDARY HAZARD
 - SEEDING & EROSION CONTROL BLANKET
 - APPARENT EXISTING RIGHT OF WAY
 - EXISTING GUARDRAIL
 - PROPOSED STEEL PLATE BEAM GUARDRAIL (OF THE TYPE SPECIFIED)
 - TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT
 - TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED
 - PROPOSED AGGREGATE SHOULDER
 - APPROX. LIMITS OF CONSTRUCTION
 - DITCH RE-GRADING (INCLUDED IN EARTHWORK)

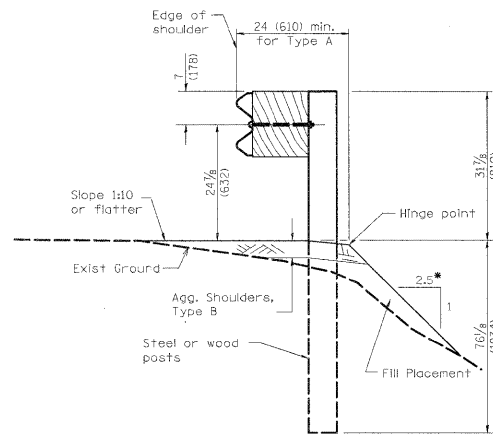
ALIGNMENTS DEVELOPED FOR INDIVIDUAL LOCATION STATIONING ARE ARBITRARY AND DO NOT REPRESENT THE ACTUAL STATIONING OF IL 161. ARBITRARY STATIONING WAS USED IN ALL STATION / OFFSET LABELS FOR THIS PROJECT.



TS NO 65132201
 STA 2198+63.16, 20.70' LT
 N=681960.36, E=2568819.76
 EL 458.58

TS NO 65132202
 STA 2201+40.84, 21.25' RT
 N=681911.45, E=2569096.30
 EL 457.75

FILE NAME =	USER NAME = .USERDESCR.	DESIGNED - DLD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION 22 BOX CULVERT-WEST OF CENTRALIA			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
h:\6513\dot d8 ver\6513.03 wo 3\cadd.sh	ets\0873E78-SHT-PLAN_22-29.dgn	DRAWN - DLD	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	805	DB GUARDRAIL UPDATE 2011	VARIOUS	37	29
	PLOT SCALE = 20,0000' / IN.	CHECKED - BGH	REVISED -							F.A.S.		CONTRACT NO. 76E78		
	PLOT DATE = 3/24/2011	DATE - 3/17/2011	REVISED -							795		ILLINOIS FED. AID PROJECT		

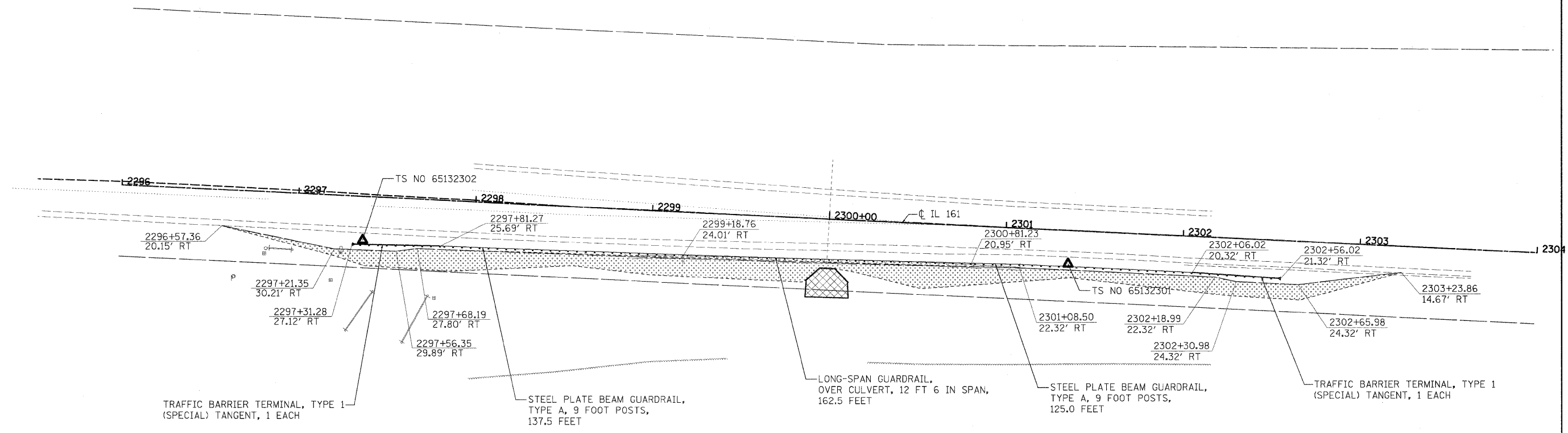
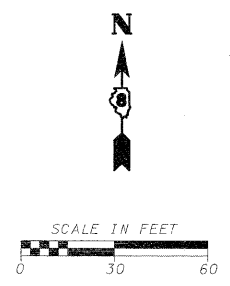


TYPICAL SPBGR SECTION WITH 1:2.5 SLOPE

(SEE HIGHWAY STANDARDS FOR SECTION AT TERMINAL SECTION)
 •1V:2.5H (TYP); 1V:2H (MAX)

- LEGEND**
- PRIMARY HAZARD
 - SECONDARY HAZARD
 - SEEDING & EROSION CONTROL BLANKET
 - APPARENT EXISTING RIGHT OF WAY
 - EXISTING GUARDRAIL
 - PROPOSED STEEL PLATE BEAM GUARDRAIL (OF THE TYPE SPECIFIED)
 - TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT
 - TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED
 - PROPOSED AGGREGATE SHOULDER
 - APPROX. LIMITS OF CONSTRUCTION
 - DITCH RE-GRADING (INCLUDED IN EARTHWORK)

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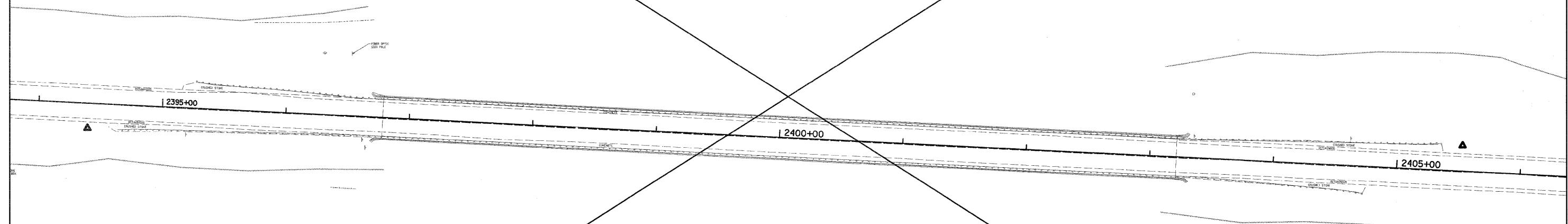
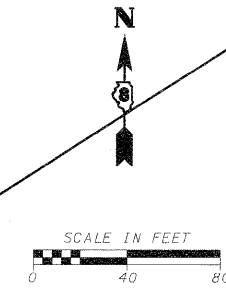


TS NO 65132302
 STA 2297+37.17, 24.52' RT
 N=681762.60, E=2573531.06
 EL 451.48

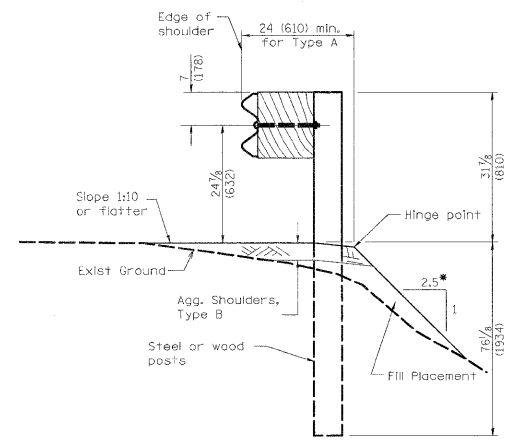
TS NO 65132301
 STA 2301+35.76, 18.89' RT
 N=681749.29, E=2573929.47
 EL 451.01

FILE NAME =	USER NAME = USERDESCR	DESIGNED - DLD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION 23 (S.N.-014-2426) BOX CULVERT-WEST OF CENTRALIA	F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ht:\6513 idot db ver\6513.03 wa 3\oaddd.sh	ets\0873e78-SHT-PLAN_23-30.dgn	DRAWN - DLD	REVISED -			805	D8 GUARDRAIL UPDATE 2011	VARIOUS	37	30
	PLOT SCALE = 30.0000' / 1" IN.	CHECKED - BGH	REVISED -			F.A.S.		CONTRACT NO. 76E78		
	PLOT DATE = 3/24/2011	DATE - 3/17/2011	REVISED -			795		ILLINOIS FED. AID PROJECT		
SCALE:						SHEET NO.	OF SHEETS	STA.	TO STA.	

**OMIT
LOCATION
(NO WORK DONE)**



FILE NAME = h:\6513 idot d8 var\6513.03 wo 3\add.sh	USER NAME = _USERDESCR. sets\B73E78-SHT-PLAN_24-31.dgn	DESIGNED - DLD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION 24 (S.N. 014-0025) BRIDGE-WEST OF CENTRALIA	F.A.P. RTE. 805	SECTION DB GUARDRAIL UPDATE 2011	COUNTY VARIOUS	TOTAL SHEETS 37	SHEET NO. 31		
PLOT SCALE = 39.9990 / IN.		CHECKED - BGH	REVISED -			F.A.S.	CONTRACT NO. 76E78	ILLINOIS FED. AID PROJECT				
PLOT DATE = 3/24/2011		DATE - 3/17/2011	REVISED -			SCALE:	SHEET NO. OF SHEETS	STA. TO STA.				
						795						



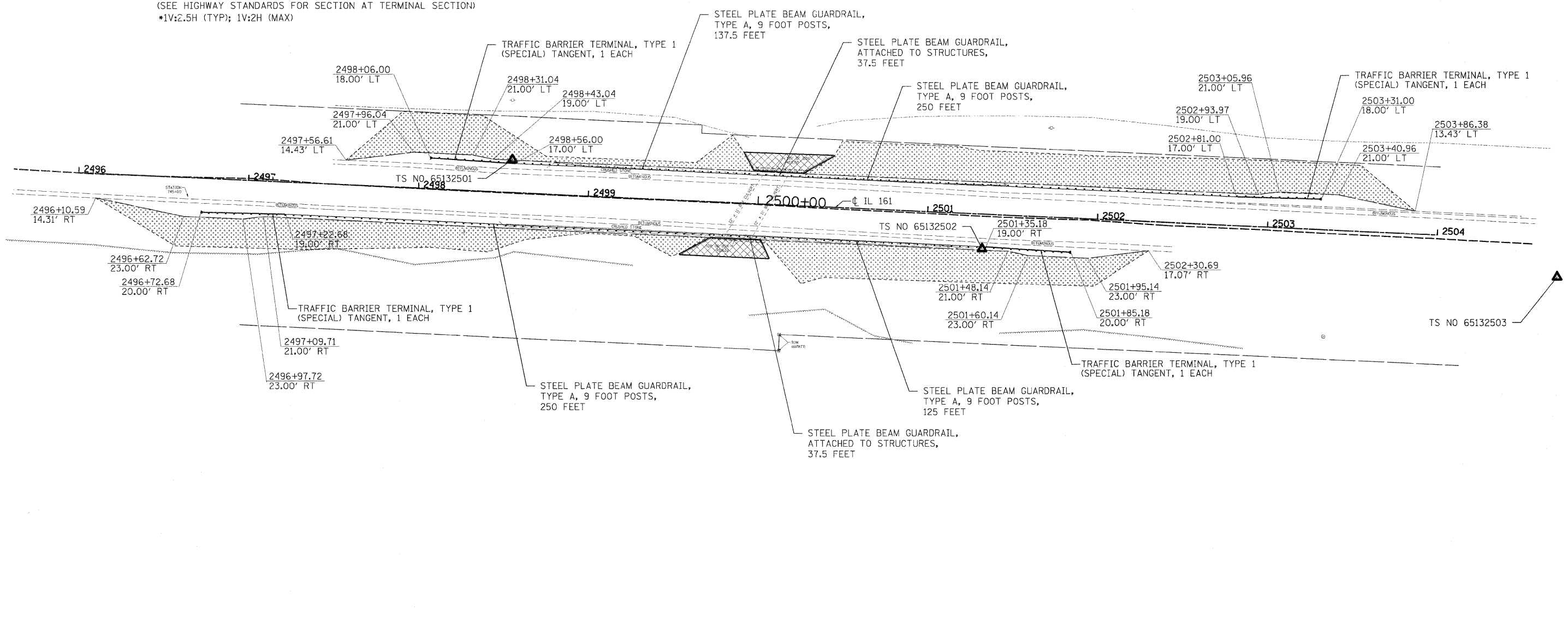
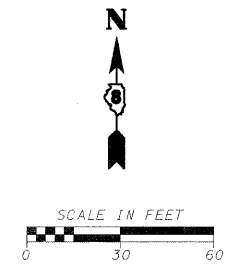
TYPICAL SPBGR SECTION WITH 1:2.5 SLOPE

(SEE HIGHWAY STANDARDS FOR SECTION AT TERMINAL SECTION)
 *1V:2.5H (TYP); 1V:2H (MAX)

LEGEND

- PRIMARY HAZARD
- SECONDARY HAZARD
- SEEDING & EROSION CONTROL BLANKET
- APPARENT EXISTING RIGHT OF WAY
- EXISTING GUARDRAIL
- PROPOSED STEEL PLATE BEAM GUARDRAIL (OF THE TYPE SPECIFIED)
- TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT
- TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED
- PROPOSED AGGREGATE SHOULDER
- APPROX. LIMITS OF CONSTRUCTION
- DITCH RE-GRADING (INCLUDED IN EARTHWORK)

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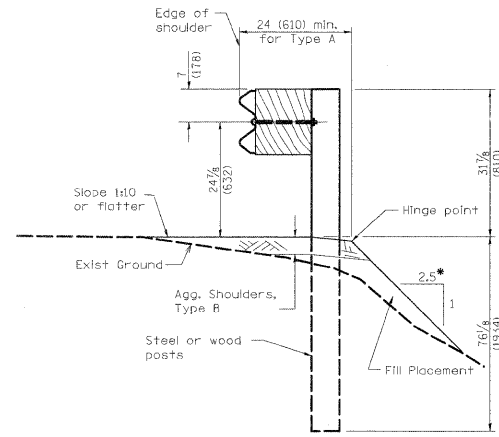


TS NO 65132501
 STA 2498+54.41, 19.30' LT
 N=681648.25, E=2576762.26
 EL 450.81

TS NO 65132502
 STA 2501+32.82, 20.25' RT
 N=681595.97, E=2577038.57
 EL 450.68

TS NO 65132503
 STA 2504+71.50, 21.37' RT
 N=681579.32, E=2577376.79
 EL 450.79

FILE NAME =	USER NAME = .USERDESCR.	DESIGNED - DLD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION 25 (S.N. 014-2001) BOX CULVERT-WEST OF CENTRALIA		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
hr\6513 idot db var\6513.03 wo 3\oaddd.sh	ts\0873E78-SHT-PLAN_25-32.dgn	DRAWN - DLD	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	805	D8 GUARDRAIL UPDATE 2011	VARIOUS	37	32
	PLOT SCALE = 30.0000" / IN.	CHECKED - BGH	REVISED -							F.A.S.	CONTRACT NO. 76E78			
	PLOT DATE = 3/24/2011	DATE - 3/17/2011	REVISED -							795	ILLINOIS FED. AID PROJECT			



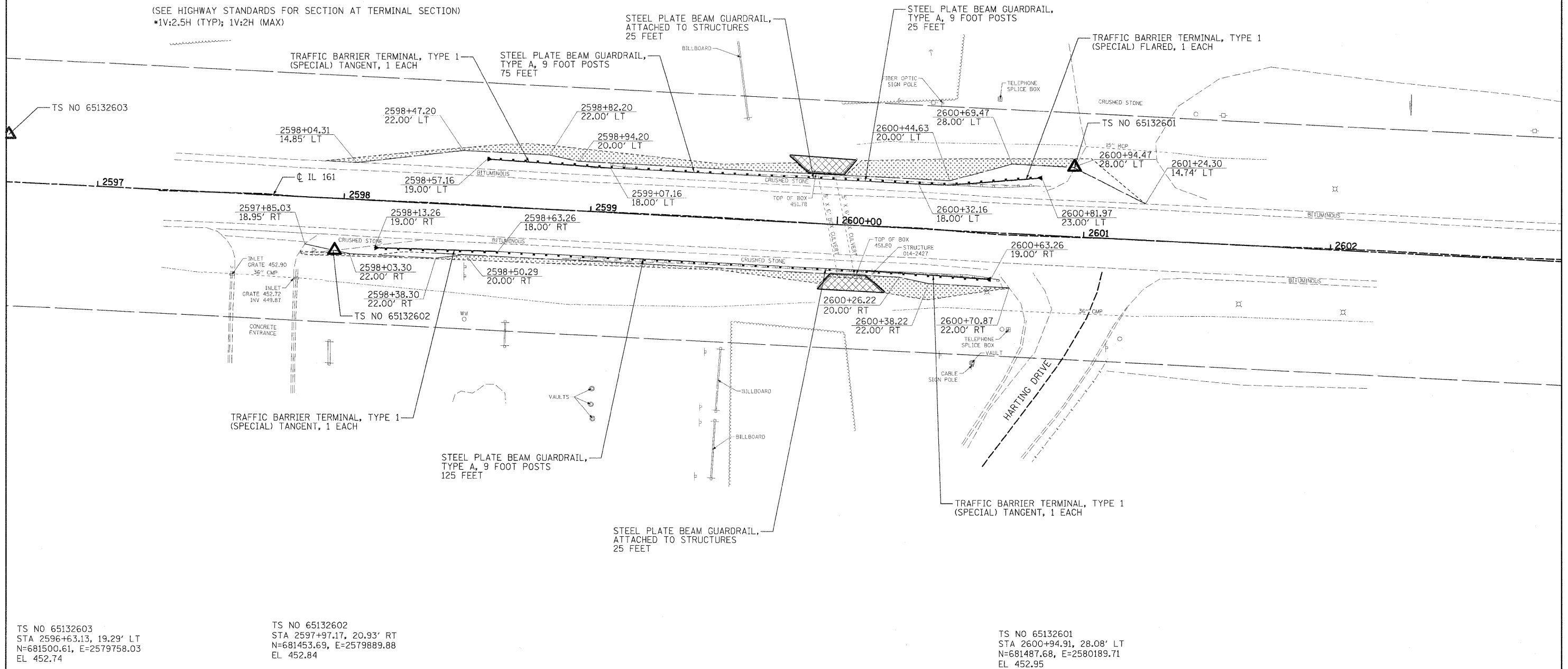
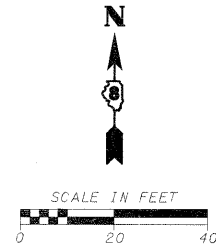
TYPICAL SPBGR SECTION WITH 1:2.5 SLOPE

(SEE HIGHWAY STANDARDS FOR SECTION AT TERMINAL SECTION)
 •1V:2.5H (TYP); 1V:2H (MAX)

LEGEND

- PRIMARY HAZARD
- SECONDARY HAZARD
- SEEDING & EROSION CONTROL BLANKET
- APPARENT EXISTING RIGHT OF WAY
- EXISTING GUARDRAIL
- PROPOSED STEEL PLATE BEAM GUARDRAIL (OF THE TYPE SPECIFIED)
- TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT
- TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED
- PROPOSED AGGREGATE SHOULDER
- APPROX. LIMITS OF CONSTRUCTION
- DITCH RE-GRADING (INCLUDED IN EARTHWORK)

ALIGNMENTS DEVELOPED FOR INDIVIDUAL LOCATION STATIONING ARE ARBITRARY AND DO NOT REPRESENT THE ACTUAL STATIONING OF IL 161. ARBITRARY STATIONING WAS USED IN ALL STATION / OFFSET LABELS FOR THIS PROJECT.

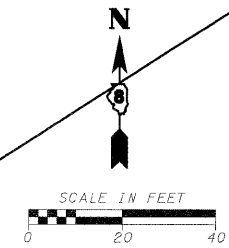


TS NO 65132603
 STA 2596+63.13, 19.29' LT
 N=681500.61, E=2579758.03
 EL 452.74

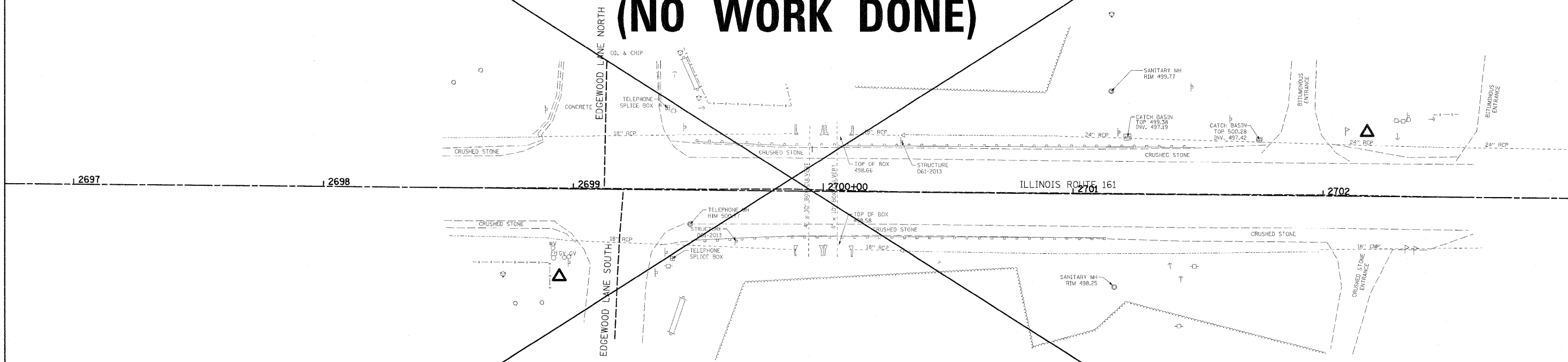
TS NO 65132602
 STA 2597+97.17, 20.93' RT
 N=681453.69, E=2579889.88
 EL 452.84

TS NO 65132601
 STA 2600+94.91, 28.08' LT
 N=681487.68, E=2580189.71
 EL 452.95

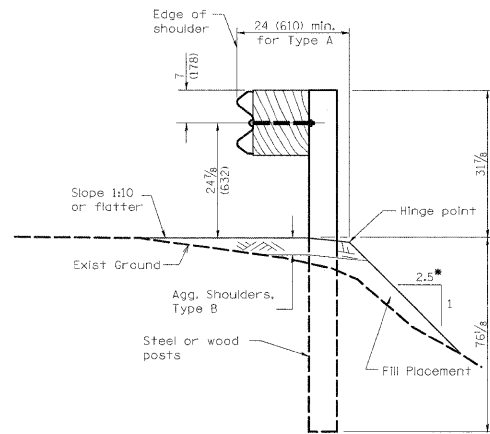
FILE NAME =	USER NAME = .USERDESCR.	DESIGNED - DLD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION 26 (S.N. 014-2427) BOX CULVERT-CENTRALIA	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
fr:\65131 dot db var\6513.03 wo 3\cadd\sh	ets\0873E78-SHT-PLAN_26-33.dgn	DRAWN - DLD	REVISED -			805	DB GUARDRAIL UPDATE 2011	VARIOUS	37	33	
		CHECKED - BGH	REVISED -			F.A.S.					CONTRACT NO. 76E78
		DATE - 3/17/2011	REVISED -			795		ILLINOIS FED. AID PROJECT			
SCALE:						SHEET NO. OF SHEETS STA. TO STA.					



**OMIT
LOCATION
(NO WORK DONE)**



FILE NAME = hr\6513 idot db ver\6513.03 wo 3\cadd\sh...	USER NAME = ..USERDESCR..	DESIGNED - DLD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION 27 (S.N. 061-2013) BOX CULVERT-CENTRALIA	F.A.P. RTE.:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN - DLD	REVISED -			BOS	D8 GUARDRAIL UPDATE 2011	VARIOUS	37	34	
		CHECKED - BGH	REVISED -			CONTRACT NO. 76E78					
		DATE - 3/17/2011	REVISED -			ILLINOIS FED. AID PROJECT					
				SCALE:		SHEET NO. OF SHEETS		STA. TO STA.			

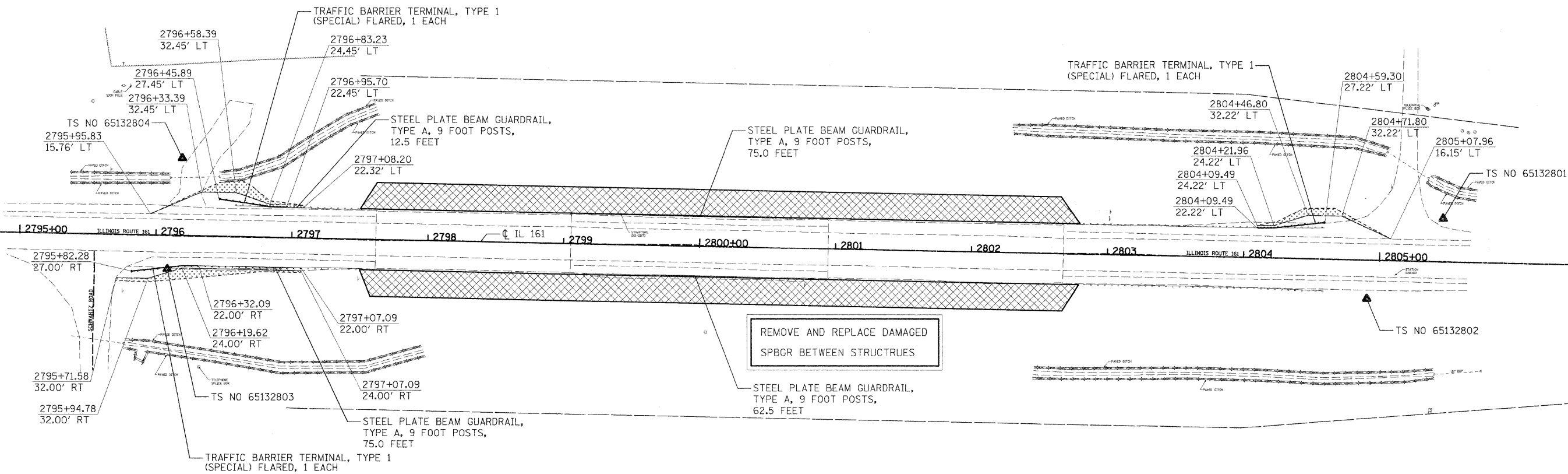
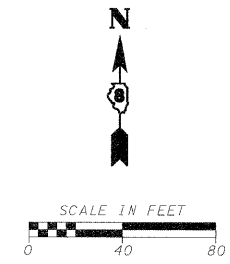


TYPICAL SPBGR SECTION WITH 1:2.5 SLOPE

(SEE HIGHWAY STANDARDS FOR SECTION AT TERMINAL SECTION)
 •1V:2.5H (TYP); 1V:2H (MAX)

- LEGEND**
- PRIMARY HAZARD
 - SECONDARY HAZARD
 - SEEDING & EROSION CONTROL BLANKET
 - APPARENT EXISTING RIGHT OF WAY
 - EXISTING GUARDRAIL
 - PROPOSED STEEL PLATE BEAM GUARDRAIL (OF THE TYPE SPECIFIED)
 - TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT
 - TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED
 - PROPOSED AGGREGATE SHOULDER
 - APPROX. LIMITS OF CONSTRUCTION
 - DITCH RE-GRADING (INCLUDED IN EARTHWORK)

ALIGNMENTS DEVELOPED FOR INDIVIDUAL LOCATION STATIONING ARE ARBITRARY AND DO NOT REPRESENT THE ACTUAL STATIONING OF IL 161. ARBITRARY STATIONING WAS USED IN ALL STATION / OFFSET LABELS FOR THIS PROJECT.



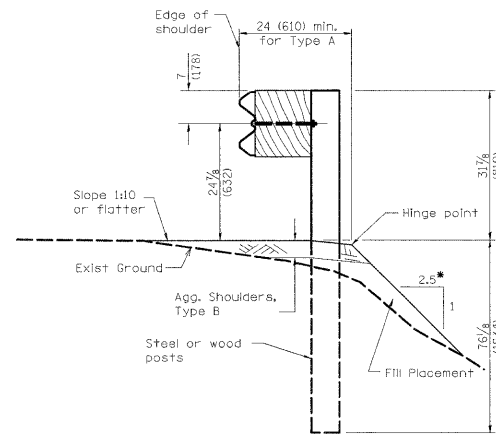
TS NO 65132803
 STA 2796+03.85, 24.84' RT
 N=677460.87, E=776283.60
 EL 495.09

TS NO 65132804
 STA 2796+18.43, 57.05' LT
 N=677542.55, E=776294.79
 EL 494.53

TS NO 65132802
 STA 2804+91.13, 28.28' RT
 N=677440.03, E=777165.64
 EL 490.36

TS NO 65132801
 STA 2805+46.21, 31.98' LT
 N=677499.19, E=777221.90
 EL 490.22

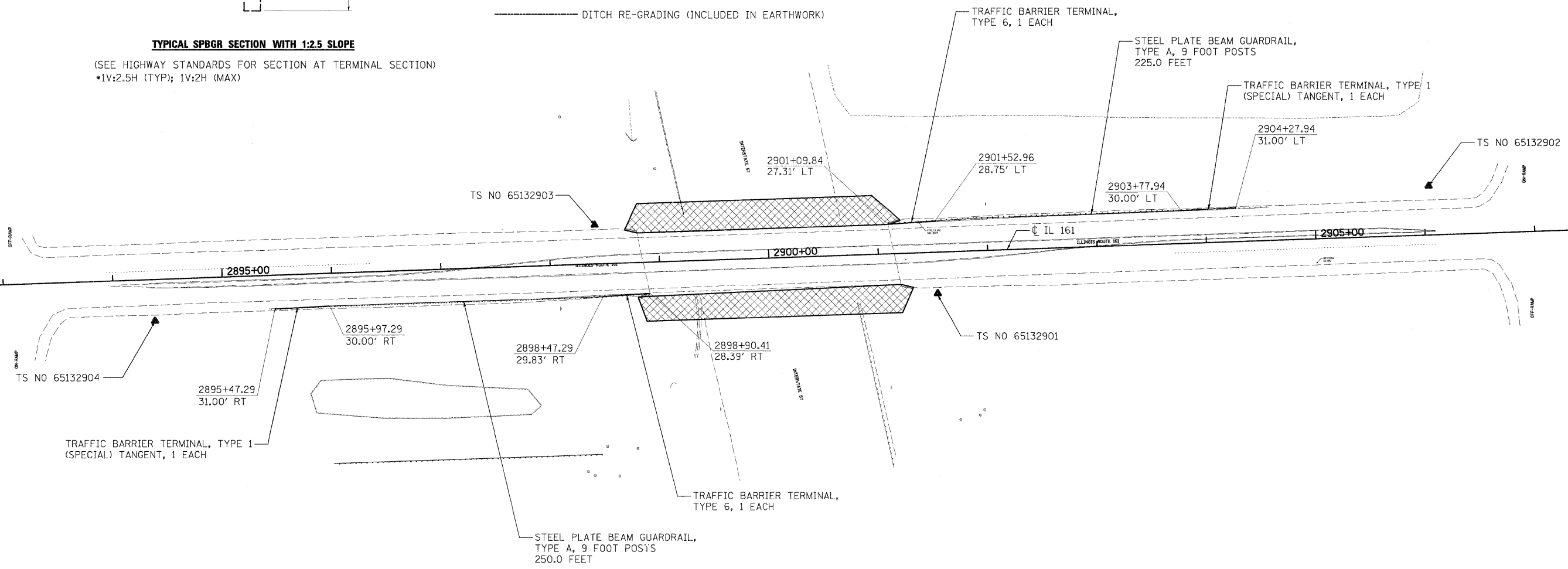
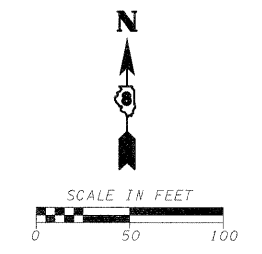
FILE NAME =	USER NAME = USERCESDR	DESIGNED - DLD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION 28 (S.N. 061-0070 & S.N. 061-0071) BRIDGES-EAST OF CENTRALIA	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
hr\65131.dwt db ver\6513.03 wo 3\cadd\sh	ts\0873E78-SHT-PLAN_28-35.dgn	DRAWN - DLD	REVISED -			805	DB GUARDRAIL UPDATE 2011	VARIOUS	37	35	
	PLOT SCALE = 40.0000' / 1" IN.	CHECKED - BGH	REVISED -			F.A.S.					CONTRACT NO. 76E78
	PLOT DATE = 3/24/2011	DATE - 3/17/2011	REVISED -			795		ILLINOIS FED. AID PROJECT			



TYPICAL SPBGR SECTION WITH 1:2.5 SLOPE
 (SEE HIGHWAY STANDARDS FOR SECTION AT TERMINAL SECTION)
 •1V:2.5H (TYP); 1V:2H (MAX)

- LEGEND**
- PRIMARY HAZARD
 - SECONDARY HAZARD
 - SEEDING & EROSION CONTROL BLANKET
 - APPARENT EXISTING RIGHT OF WAY
 - EXISTING GUARDRAIL
 - PROPOSED STEEL PLATE BEAM GUARDRAIL (OF THE TYPE SPECIFIED)
 - TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT
 - TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED
 - PROPOSED AGGREGATE SHOULDER
 - APPROX. LIMITS OF CONSTRUCTION
 - DITCH RE-GRADING (INCLUDED IN EARTHWORK)

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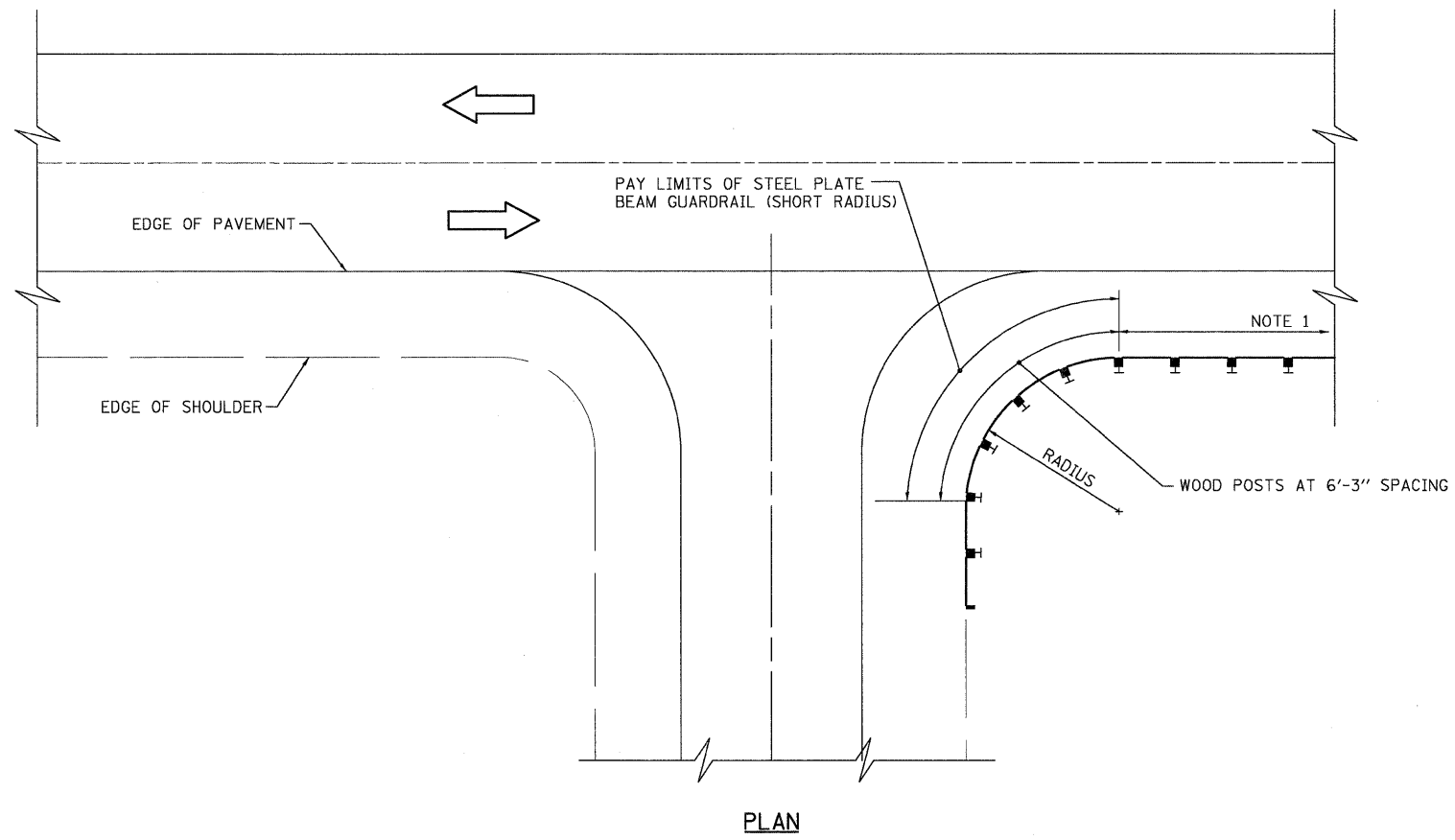
TS NO 65132904
 STA 2894+37.45, 38.34' RT
 N=675375.44, E=803837.53
 EL 563.18

TS NO 65132903
 STA 2898+41.87, 35.96' LT
 N=675463.95, E=804239.08
 EL 566.10

TS NO 65132901
 STA 2901+53.09, 37.66' RT
 N=675401.34, E=804552.70
 EL 564.64

TS NO 65132902
 STA 2906+04.67, 45.00' LT
 N=675499.86, E=805001.08
 EL 556.07

FILE NAME =	USER NAME = .USERDESCR.	DESIGNED - DLD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION 29 (S.N. 061-0017) BRIDGE-EAST OF CENTRALIA	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
h:\6513\dat\88\var\6513.03\wo\3\oad\shets\0873E7B-SHT-PLAN_29-36.dgn	PLOT SCALE = 50:0000' / IN.	DRAWN - DLD	REVISED -			805	D8 GUARDRAIL UPDATE 2011	VARIOUS	37	36
PLOT DATE = 3/24/2011	DATE - 3/17/2011	CHECKED - BGH	REVISED -			F.A.S.		CONTRACT NO. 76E78		
		DATE - 3/17/2011	REVISED -			795		ILLINOIS FED. AID PROJECT		



PLAN

- NOTES:
1. STEEL PLATE BEAM GUARDRAIL, TYPE A, OR TRAFFIC BARRIER TERMINAL AS SPECIFIED.
 2. FOR THE 8'-6" RADIUS THE RAIL IS NOT BOLTED TO THE POST LOCATED AT THE MIDPOINT OF THE CURVE
 3. TERMINATE STEEL PLATE BEAM GUARDRAIL (SHORT RADIUS) WITH STEEL PLATE BEAM GUARDRAIL END SECTION (HWY STD 630001)

INSTALLATION CHARACTERISTICS PER DESIGN RADIUS (R)			
R	NO. OF WOOD POSTS	X	Y
8'-6"	5 (NOTE 2)	25'	15'
17'-0"	6	30'	15'
25'-6"	8	40'	20'
35'-0"	11	50'	20'

GENERAL NOTES

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

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN.