09-22-2023 LETTING ITEM 035

INDEX OF SHEETS:

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2 HIGHWAY STANDARDS, COMMITMENTS. & GENERAL NOTES

3 SUMMARY OF QUANTITIES

4-11 ROADWAY PLANS - GUARDRAIL IMPROVEMENTS 12-13 CADD STANDARDS

PROJECT LOCATED IN TOWN OF MAGNOLIA AND PEKIN

HIGHWAY STANDARDS

000001-08 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS

DECIMAL OF AN INCH AND OF A FOOT 001006

630001-12 STEEL PLATE BEAM GUARDRAIL

SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS

STRONG POST GUARDRAIL ATTACHED TO CULVERY 630101-10

OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5m) TO 24" (600mm) FROM PAVEMENT EDGE 701006-05

OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY

LANE CLOSURE 2L, 2W, DAY ONLY, FOR SPEEDS > = 45MPH 701201-05

725001-01 **OBJECT AND TERMINAL MARKERS**

780001-05 TYPICAL PAVEMENT MARKINGS

GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

IL ROUTE 18

IL ROUTE 98

DESIGNATION: MINOR ARTERIAL POSTED SPEED = 55 MPH

IL 89 TO E 0 RD 2021 AADT = 31,500 %HDV = 17.14% % SU = 7.62%

% MU = 9.52%

DESIGNATION: MINOR ARTERIAL POSTED SPEED = 55 MPH

MCNAUGHTON PARK DR TO CALIFORNIA RD 2021 AADT = 3,900 %HDV = 4.62% % SU = 2.56% % MU = 2.05%

CALIFORNIA RD TO SPRINGFIELD RD 2021 AADT = 3,400

%HDV = 5.29% % SU = 2.94%



FILL SIZE PLANS HAVE REEN 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.

JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS 1-800-892-0123 OR 811

PROJECT ENGINEER: BEN TELLEFSON (309)-671-3333 PROJECT MANAGER: ERIC PRICHARD (309)-671-3333

CONTRACT NO. 68H74

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

PROPOSED HIGHWAY PLANS

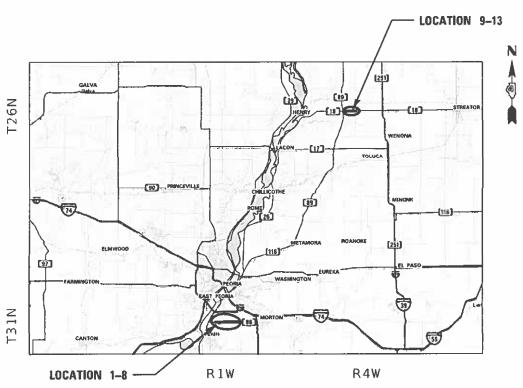
FAP 653 (IL 18) AND FAS 2463 (IL 98)

SECTION: (8;1)GR

PROJECT: HSIP-PDSS(788)

GUARDRAIL REMOVE AND REPLACE TAZEWELL AND PUTNAM COUNTY

C-94-077-23



MAGNOLIA AND GROVELAND TOWNSHIP (PUTNAM COUNTY AND TAZEWELL COUNTY)

LOCATION MAP NOT TO SCALE

GROSS LENGTH = 16,145 FT. = 3.058 MILE LOCATION 1-8 -NET LENGTH = 3,179 FT. =

GROSS LENGTH = 4,755 FT. = 0.901 MILE LOCATION 9-13 -NET LENGTH = 1.526 FT. = 0.289 MILE

MILLENNIA PROFESSIONAL SERVICES THOMAS V. NGO. P.E.

SIGNATURE AND SEAL APPLIES TO DRWG NO 1 TO 13

SECTION VARIOUS 13 1 CONTRACT NO. 68H74

D-94-051-23



DESCRIPTION OF WORK:
THIS PROJECT INVOLVES REPLACING SEVERAL EXISTING GUARDRAIL
SPANNING IL 98 FROM MCNAUGHTON PARK DRIVE TO SPRINGFIELD
ROAD. ADDITIONALLY, IT INVOLVES REPLACING DETERIORATED
GUARDRAILS SPANNING IL 18 FROM IL 89 TO THE PUTNAM

	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
SUBMIT	August 18, 2023 August 18, 2023
	ENGINEER OF DESIGN AND ENVIRONMENT
	August 18, 2023 Stock Maria
	DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

Prior to the use of any proposed borrow areas, use areas (temporary access roads, detours, run—arounds, etc.) and/or waste areas, the Contractor shall file the required environmental resource request surveys according to Section 107.22 of the Standard Specifications. These surveys are required in order for the Department to conduct cultural and biological resource surveys for the proposed site.

The required environmental resource documentation shall include the following:

- * BDE Form 2289 (Borrow Site Review)
- * BDE Form 2290 (Waste/Use Area Review)
- * A location map showing the size limits and location of the use area
- * Color photographs depicting the use area
- * Borrow Area Entry Agreement form D4 PI0101

Prior to any waste materials being removed from the construction site the required environmental resource surveys shall be obtained and filed by the Contractor. Excess waste products removed from the construction site shall be disposed of as required in Section 202.03 of the Standard Specifications.

Any protruding metal bars shall be removed prior to the disposal of broken concrete at approved disposal sites.

Please note that a minimum of four weeks shall be allowed for the District to obtain the required waste site environmental clearances and six weeks for the required borrow site environmental clearances.

UTILITIES

The village of Morton has an 8" gas main along the south side of IL 98 from 3204 Edgewater Drive to the east project limits. The Contractor shall layout the guardrail terminal sections on IL 98 and meet on site with the Village of Morton and the IDOT Engineer prior to beginning any work on IL 98.

The Contractor will be responsible for potholing any utilities potentially in conflict prior to construction and shall make all necessary adjustments to the guardrail and terminal section locations at no cost to the State.

COMMITMENTS

Commitments are not to be altered without the written approval of all parties to which the commitment was made.

There are no commitments with this project.

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 WITHIN 30' OF CENTERLINE OF 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 BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
- 9. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- 10. WHEN GUARDRAIL POSTS ARE PLACED BEHIND CONCRETE HEADWALLS, THE POSTS SHALL NOT BE PLACED TO BLOCK THE DRAINAGE OPENING.
- 11. THE CONTRACTOR SHALL SUSPEND GUARDRAIL REMOVAL OPERATIONS WHENEVER THE AMOUNT OF REMOVED GUARDRAIL EXCEEDS TWO (2) DAYS' PRODUCTION TO REPLACE THE GUARDRAIL
- 12, THE CONTRACTOR SHALL ONLY PERFORM WORK ON ONE SIDE OF THE ROADWAY AT ANY TIME,
- 13. THE REMOVAL OF GUARDRAIL TERMINAL SECTIONS SHALL BE INCLUDED IN THE UNIT PRICE PER FOOT FOR "GUARDRAIL REMOVAL"
- 14. 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 FXISTING GUARDRAI
- 15. THE CORING REQUIRED FOR THE INSTALLATION OF GUARDRAIL POSTS WITHIN CONCRETE AND ASPHALT AREAS IS INCLUDED NITHE COST OF THE STEEL PLATE BEAM GUARDRAIL.
- 16. NO OPEN HOLES SHALL BE LEFT OVERNIGHT ADJACENT TO TRAFFIC.
- 17. CHANGEABLE MESSAGE SIGNS WILL BE INSTALLED IN EACH DIRECTION 7 DAYS PRIOR TO STARTING WORK.
- 18. THE CONTRACTOR SHALL INSTALL TYPE 1 (SPECIAL) TANGENT TERMINALS PER HIGHWAY STANDARD 630301. TERMINAL SECTIONS SHALL BE THE MAX ALLOWED BY MANUFACTURER BUT NO MORE THAN 25:1 AND ANY EMBANKMENT NEEDED TO CONSTRUCT SHALL BE INCLUDED IN THE UNIT PRICE FOR "EARTH EXCAVATION". TAPER MAY BE REDUCED TO AVOID EXISTING UTILITIES BUT THE HEAD OF THE TERMINAL CANNOT EXTEND ABOVE THE ROADWAY PAVEMENT.

201-03		
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			ļ.	CONSTRUCTION	
			COUNTY:	TAZEWELL COUNTY	PUTNAM COUNTY
			ROUTE:	IL 98	IL 18
				90% FEDERAL	90% FEDERAL
			1		
				10% STATE	10% STATE
		T:		0021	0021
PAYCODE	ITEM DESCRIPTION	UNIT	TOTAL CHANTITIES	TAZEMELL COUNTY	DUTNAM COUNTY
PATCODE	ITEM DESCRIPTION	UNIT	TOTAL QUANTITIES	TAZEWELL COUNTY	PUTNAM COUNTY
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20200100	EARTH EXCAVATION	CU YD	919	618	301
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63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	4361	3088	1273
63000003	STEEL PLATE BEAW GUARDRAIL, TIPE A, 9 FOOT POSTS	FOOT	4301	3000	12/3
				,	
63000030	STRONG POST GUARDRAIL ATTACHED TO CULVERT	FOOT	161	36	125
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	48	28	20
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67100100	MOBILIZATION	L SUM	1	0.5	0.5
07100100	MODILIZATION	L OOW	'	0.0	0.0
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1 1	0.5	0.5
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70107025	CHANGEABLE MESSAGE SIGN	CAL DA	56	28	28
72501000	TERMINAL MARKER DIRECT ARRIVED	EACH	48	28	20
72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	40	20	20
78200005	GUARDRAILREFLECTORS, TYPE A	EACH	113	71	42
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STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

VARIOUS LOCATIONS IN TAZEWELL AND PUTNAM COUNTIES SUMMARY OF QUANTITIES

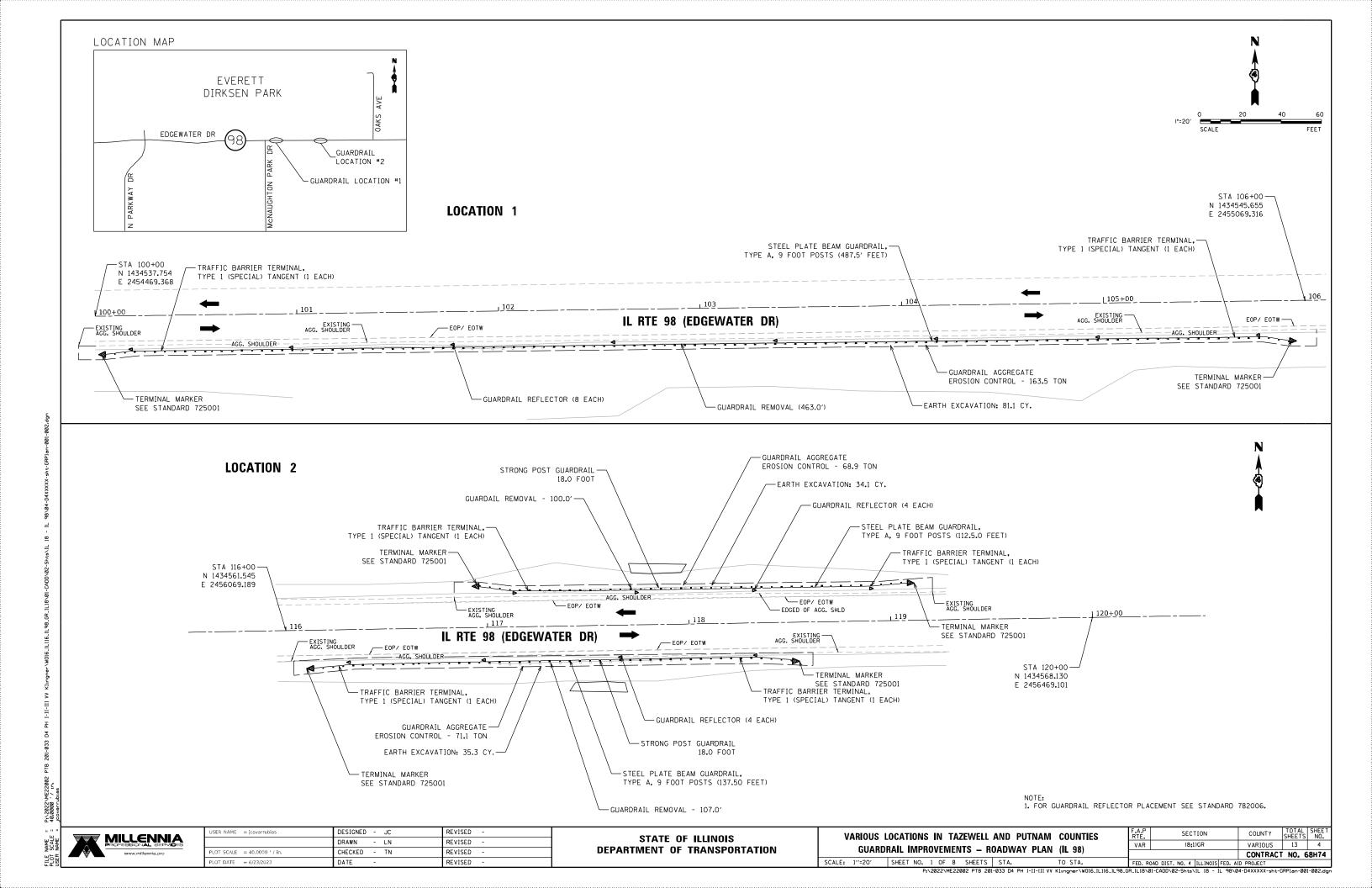
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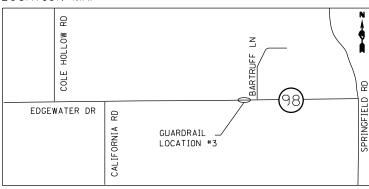
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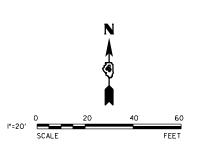
REV. 7/26/23

CONSTRUCTION TYPE CODE

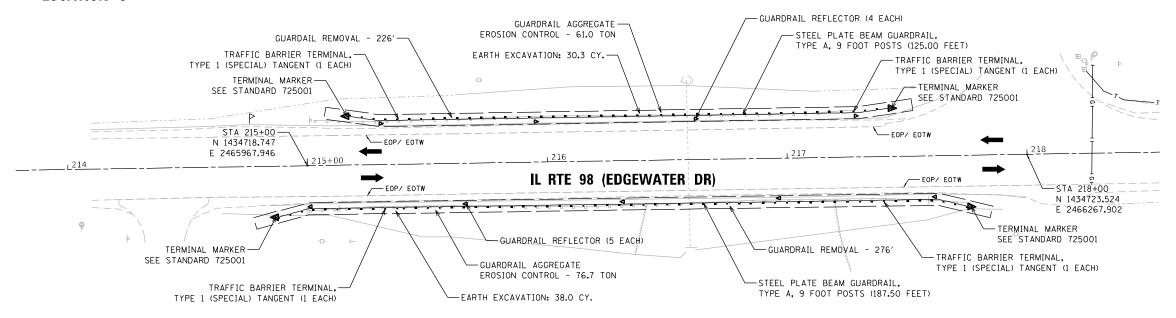
COUNTY SHEETS NO.
VARIOUS 13 3
CONTRACT NO. 68H74 F.A.P | RTE. | VAR | SECTION (8;1)GR







LOCATION 3

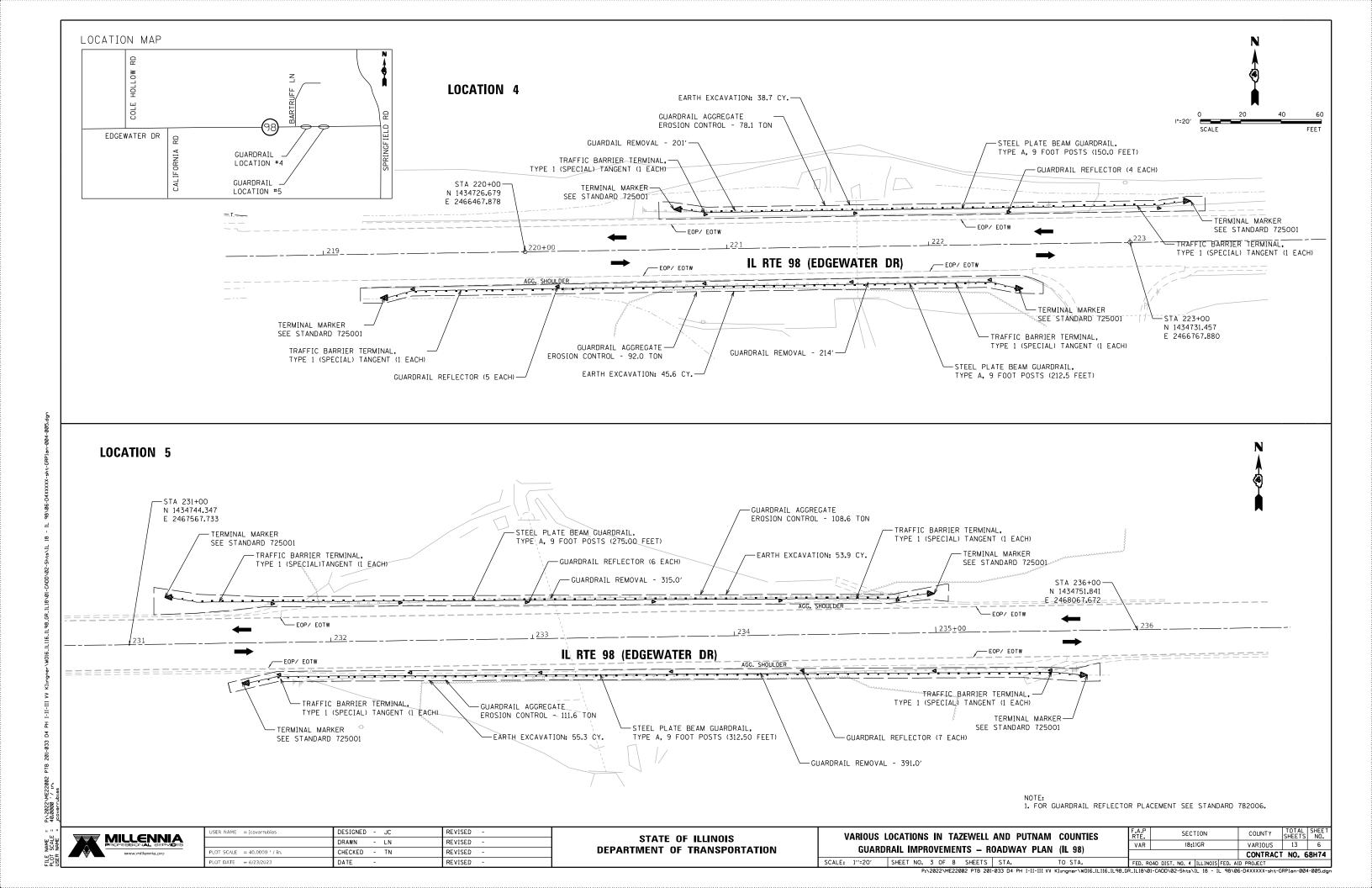


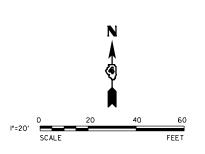
NOTE: 1. FOR GUARDRAIL REFLECTOR PLACEMENT SEE STANDARD 782006.

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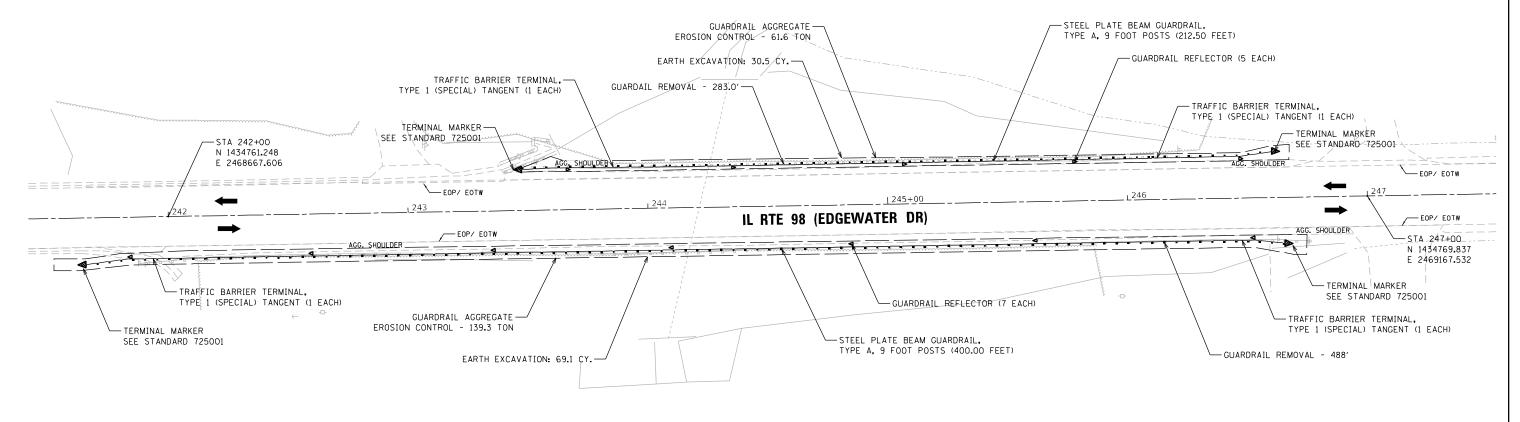
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PLOT DATE = 6/23/2023	DATE -	REVISED -





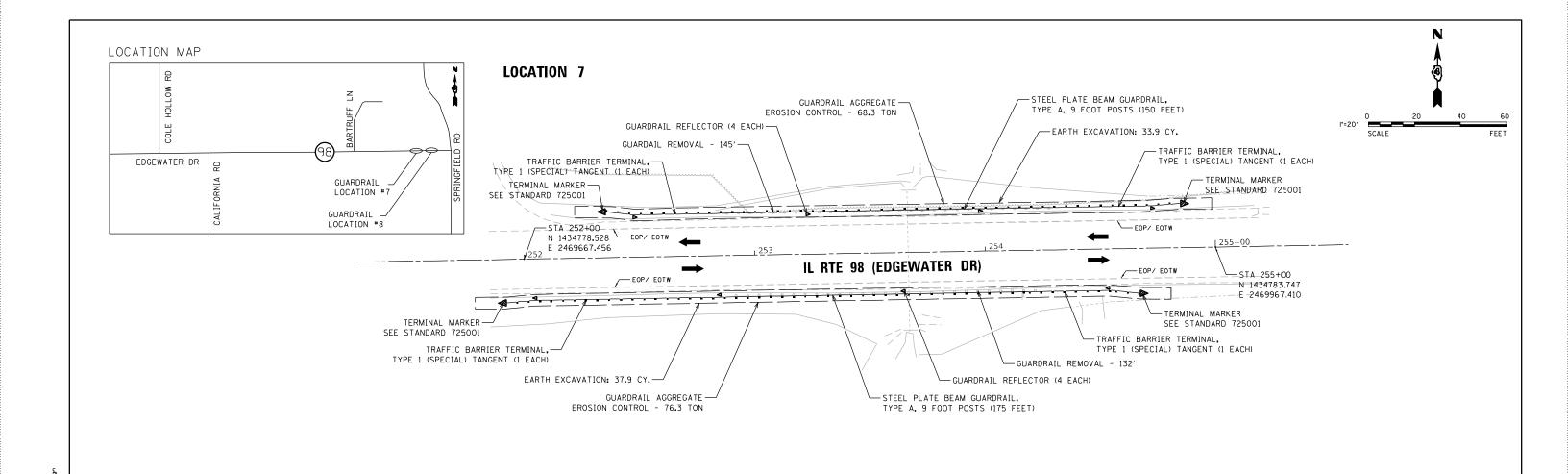
LOCATION 6

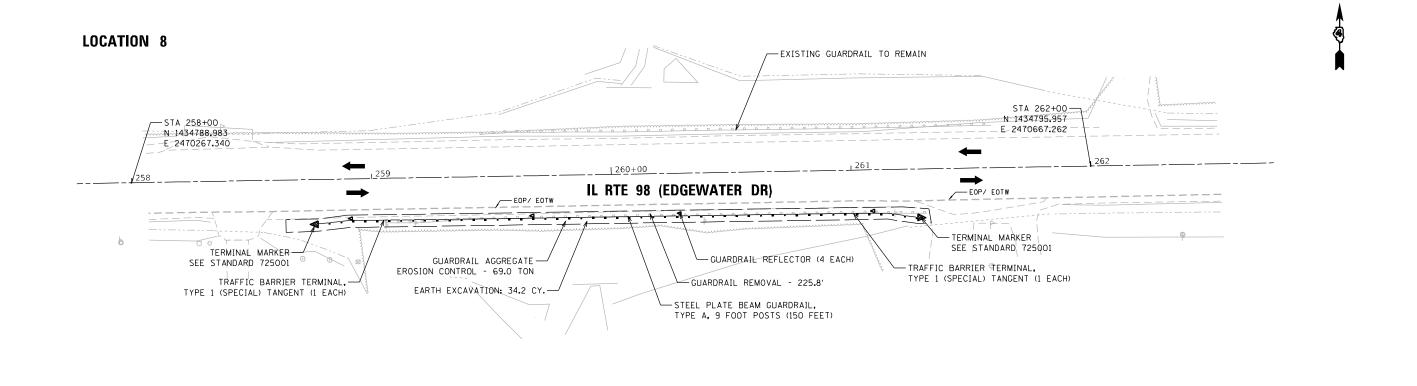


NOTE: 1. FOR GUARDRAIL REFLECTOR PLACEMENT SEE STANDARD 782006.

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PLOT DATE =	6/23/2023	DATE	-		REVISED	-





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 - TN
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 PLOT DATE
 - 6/26/2023
 DATE
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

VARIOUS LOCATIONS IN TAZEWELL AND PUTNAM COUNTIES

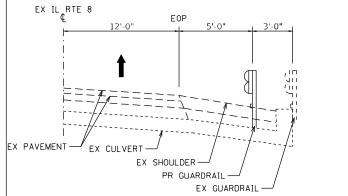
GUARDRAIL IMPROVEMENTS - ROADWAY PLAN (IL 98)

SCALE: 1"=20' SHEET NO. 5 OF 8 SHEETS STA. TO STA.

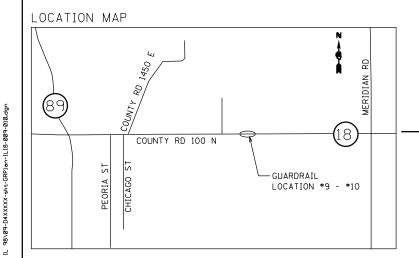
NOTE: 1. FOR GUARDRAIL REFLECTOR PLACEMENT SEE STANDARD 782006.

P:\2022\ME22002 PTB 201-033 D4 PH |-||-||| VV Klingner\W016.|L116.|L98.OR.|L18\01-CADD\02-Shts\|L 18 - |L 98\08-D4XXXXX-sht-GRPlan-007

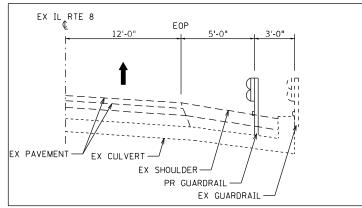




1. PROPOSED GUARDRAIL TO BE INSTALLED 3'OFFSET FROM EXISTING GUARDRAIL. 2. USE STRONG POST GUARDRAIL ATTACHED TO CULVERT.

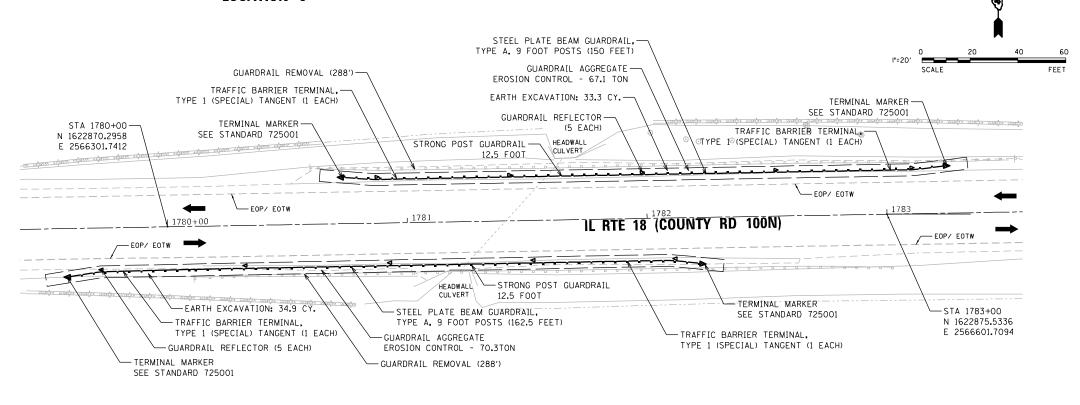


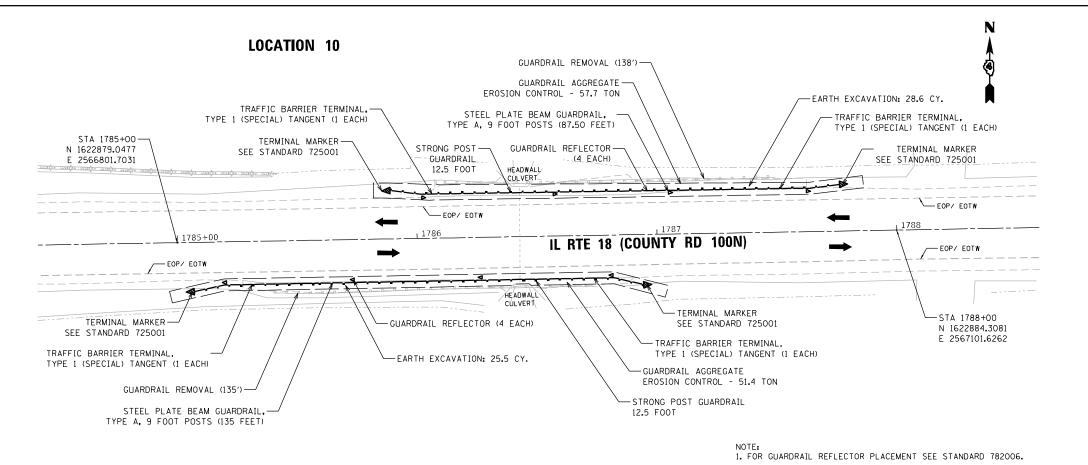
GUARDRAIL TYPICAL VIEW DETAIL



1. PROPOSED GUARDRAIL TO BE INSTALLED 3'OFFSET FROM EXISTING GUARDRAIL. 2. USE STRONG POST GUARDRAIL ATTACHED TO CULVERT.

LOCATION 9





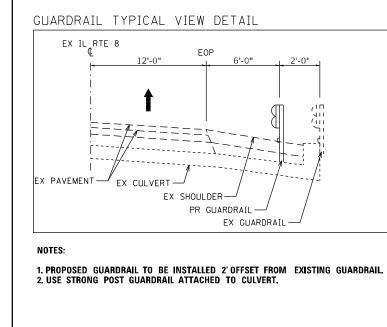
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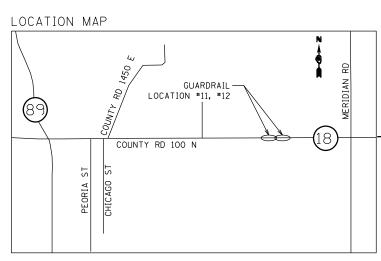
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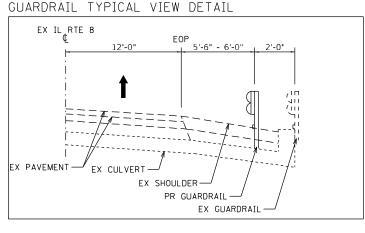
STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

VARIOUS LOCATIONS IN TAZEWELL AND PUTNAM COUNTIES GUARDRAIL IMPROVEMENTS - ROADWAY PLAN (IL 18) SCALE: 1"=20' SHEET NO. 6 OF 8 SHEETS STA.

VARIOUS 13 9 (8:1)GR VAR CONTRACT NO. 68H74

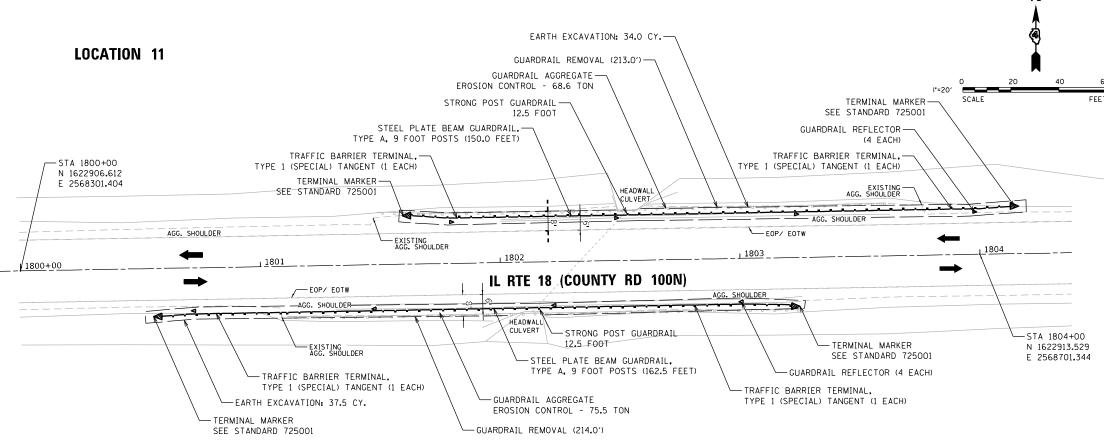


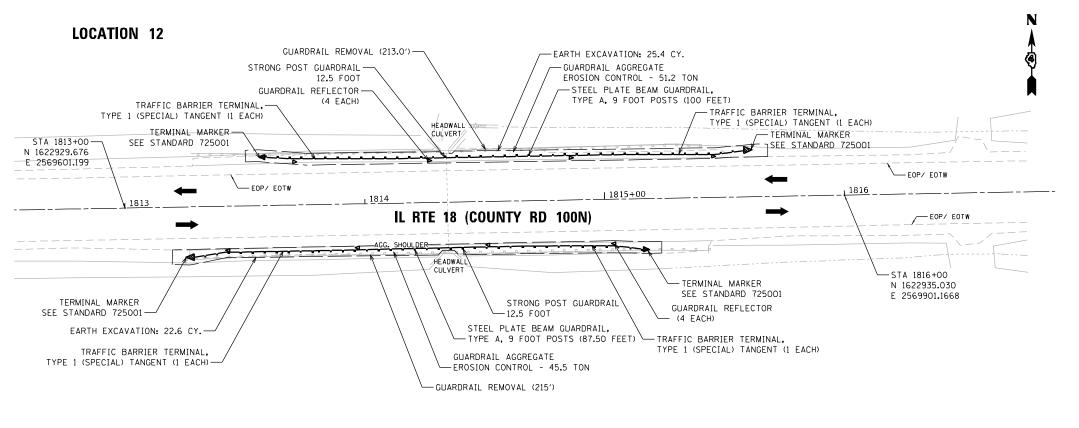




NOTES:

1. PROPOSED GUARDRAIL TO BE INSTALLED 2'OFFSET FROM EXISTING GUARDRAIL.
2. USE STRONG POST GUARDRAIL ATTACHED TO CULVERT.





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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

VARIOUS LOCATIONS IN TAZEWELL AND PUTNAM COUNTIES

GUARDRAIL IMPROVEMENTS – ROADWAY PLAN (IL 18)

E: 1"=20" | Sheet No. 7 of 8 Sheets | Sta. To Sta.

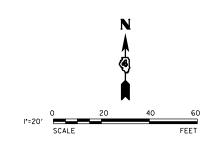
F.A.P RTE. SECTION COUNTY SHEETS NO.

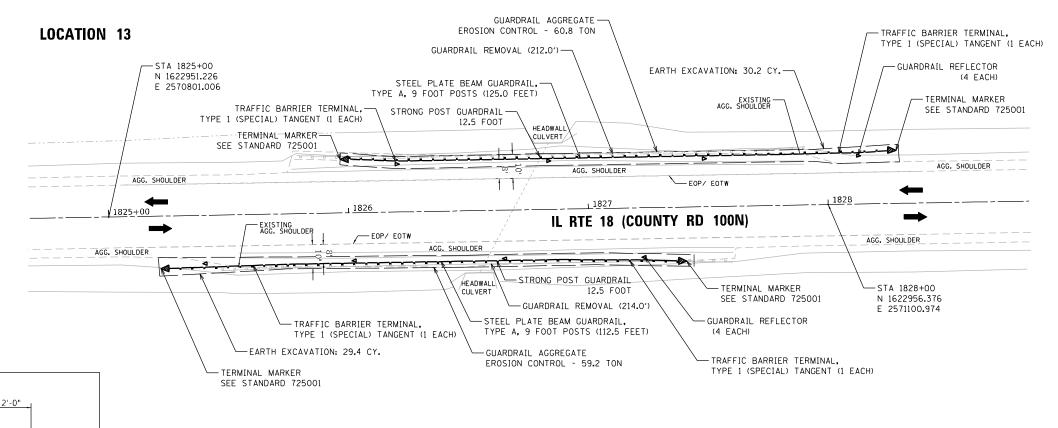
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CONTRACT NO. 68H74

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1. FOR GUARDRAIL REFLECTOR PLACEMENT SEE STANDARD 782006.





GUARDRAIL TYPICAL VIEW DETAIL

EX CULVERT — EX SHOULDER — PR GUARDRAIL — EX GUARDR

7'-0" - 8'-0"

NOTES:

EX PAVEMENT -

1. PROPOSED GUARDRAIL TO BE INSTALLED 2'OFFSET FROM EXISTING GUARDRAIL.
2. USE STRONG POST GUARDRAIL ATTACHED TO CULVERT.

NOTE:
1. FOR GUARDRAIL REFLECTOR PLACEMENT SEE STANDARD 782006.



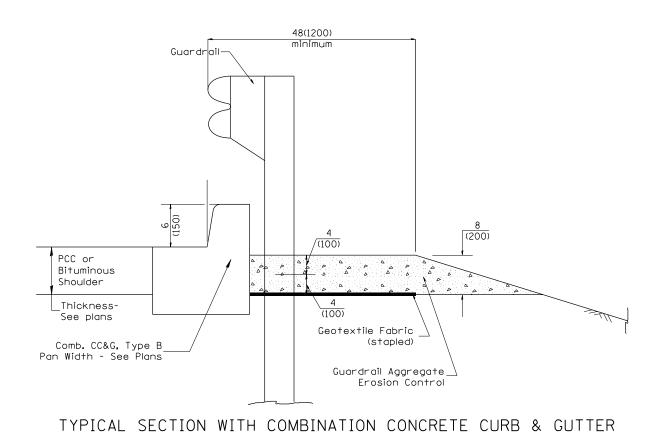
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PLOT SCALE = 40.0000 ' / in.	CHECKED - TN	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

VARIOUS LOCATIONS IN TAZEWELL AND PUTNAM COUNTIES

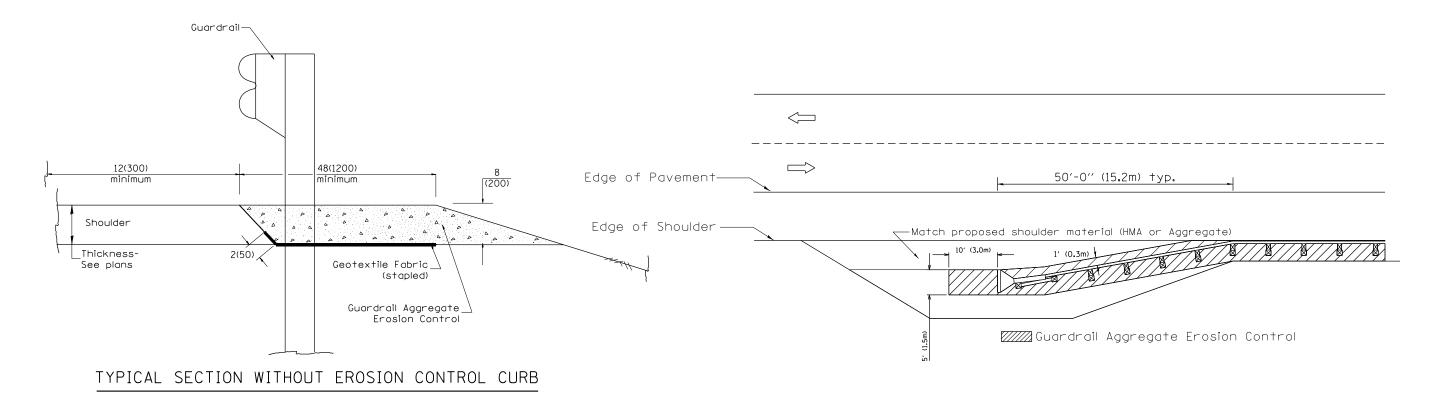
GUARDRAIL IMPROVEMENTS - ROADWAY PLAN (IL 18)

SCALE: 1"=20" SHEET NO. 8 OF 8 SHEETS STA. TO STA.



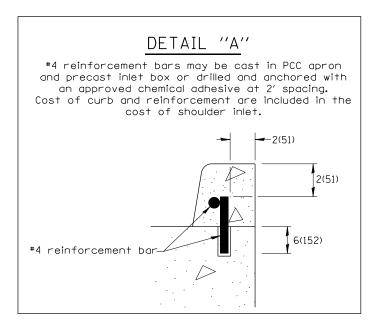
GENERAL NOTES: GUARDRAIL AGGREGATE EROSION CONTROL

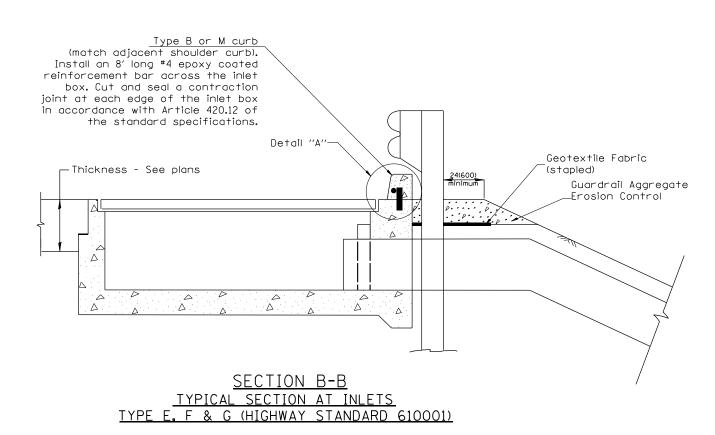
- 1. This work shall consist of grading as needed, furnishing and installing geotextile fabric and staples, and furnishing, placing and shaping crushed aggregate around and behind Steel Plate Beam Guardrail posts in accordance with Plan Details.
- 2. Before placing the aggregate and the Geotextile Fabric, weeds and grass shall be removed from the area to be covered.
- 3. After the area has been prepared, and in a dry condition, the Geotextile fabric shall be placed with a 12(300) minimum overlap. A knife cut for guardrail post installation is necessary.
- 4. The aggregate shall be deposited, compacted and shaped by either mechanical or hand methods, in a manner reasonably true to line and grade.
- 5. The Contractor shall have the option of placing the guardrail before or after the Geotextile Fabric and Aggregate are in place. If the guardrail is placed after the Geotextile Fabric and Aggregate, then any voids must be filled and the aggregate returned to line and grade.
- 6. Materials shall meet the following requirements:
- A. The crushed aggregate shall be CA1 gradation in accordance with Article 1004.01(c) of the Standard Specifications.
- B. The Geotextile Fabric shall be nonwoven fabric in accordance with Article 1080.02 of the Standard Specifications.

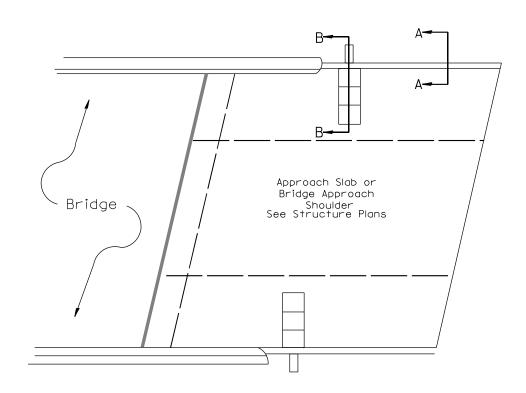


All dimensions are in inches (millimeters) unless otherwise noted.

01-20-11 KEV12ED	N.D.					INOT TO SCALL	CADD STD: 630101 D4	FED. ROAD DIST. NO.	ILLINUIS FED. AI	ID PROJECT	
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07-15-15 ADDRESSED SHOULDER INLET CURB	R.D.				DEPARTMENT OF TRANSPORTATION		SHT. 1 OF 2	2		CONTRACT N	10. 68H74
08-10-12 REVISED CURB "B" AND AGGREGATE	R.D.	07-16-19	SPELLING CORRECTIONS	R.D.	STATE OF ILLINOIS	GUAR	RDRAIL EROSION CONTROL TREATMENTS	(8,	;1)GR		13 12
					OTATE OF HILIDIO	0114.5	DDAN FRANKS AGNITAGI TREATMENTA	NIC.		31	TEETS NO.
OS OF IT ABBED BETAIL SHOWING FEAR VIEW	11.00	3 30 10	CHARGE B COMB TO CCCO	11.0.				DTC SE	ZIIUN	COUNTY CL	HEETS NO

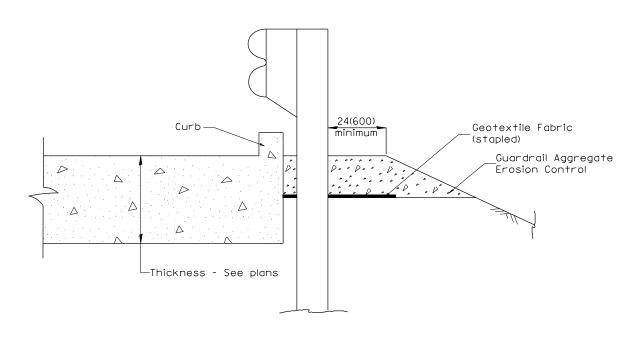






PLAN VIEW

APPROACH SLAB OR SHOULDER PLACEMENT



SECTION A-A

TYPICAL SECTION WITH BRIDGE APPROACH CURB

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

						RTE.	SECTION	COUNTY	SHEETS	NO.
			STATE OF ILLINOIS	GUARDRAIL EROSION CONTROL TREATM	ENTS		(8;1)GR		13	13
			DEPARTMENT OF TRANSPORTATION		SHT. 2 OF 2			CONTRACT	NO. 68E	174
				NOT TO SCALE	CADD STD. 630101-D4	FED. ROAD	D DIST. NO. ILLINOIS FED. A	ID PROJECT		