DISTRICT 4 GUARDRAIL EROSION CONTROL TREATMENTS

REFLECTOR AND TERMINAL MARKER PLACEMENT

TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES

REFLECTOR MARKER AND MOUNTING DETAILS

FOR CONSTRUCTION ON RURAL HIGHWAYS

SUMMARY OF QUANTITIES, GENERAL NOTES, HORIZONTALVERTICAL CONTROL LEGEND

STEEL PLATE BEAM GUARDRAIL

TRAFFIC CONTROL DEVICES

INDEX OF SHEETS

5-6

630001-10 635006-03

635011-02

701901-03

BLR 21-9

COVER SHEET

PLAN SHEETS

**HIGHWAY STANDARDS** 

TYPICAL SECTIONS SCHEDULE OF QUANTITIES

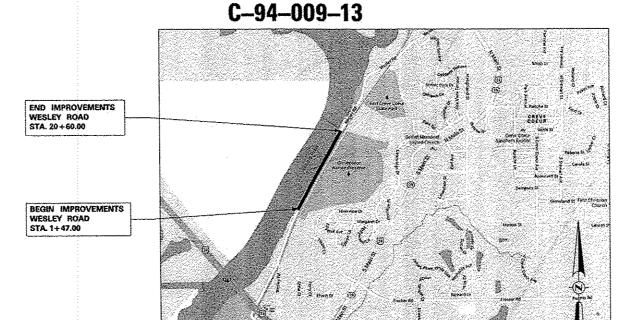
### STATE OF ILLINOIS

#### DEPARTMENT OF TRANSPORTATION

**DIVISION OF HIGHWAYS** 

## PLANS FOR PROPOSED LOCAL AGENCY IMPROVEMENT FEDERAL-AID SECONDARY PROJECT

**WESLEY ROAD GUARDRAIL** SECTION: 12-00043-00-GR **PROJECT: HSIP-5093(168) VILLAGE OF CREVE COEUR TAZEWELL COUNTY** 



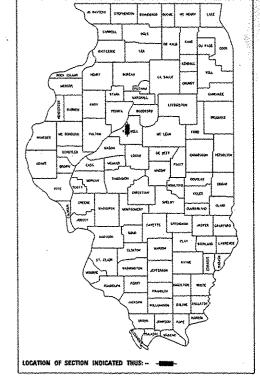
#### **LOCATION MAP**

(NOT TO SCALE)

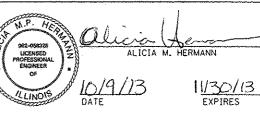
LENGTH OF IMPROVEMENT = 1,913 FEET = 0.36 MILE

PRINTED BY THE AUTHORITY

#### CONTRACT NO. 89630



# Releasing For Bid Based on Limited Revie CTOR OF HIGHWAYS,





HERMANN & ASSOCIATES, LLC CONSULTING ENGINEERS

4603 NORTH GALENA ROAD
PEORIA HEIGHTS, ILLINOIS 61616
PHONE: (309) 687-5566
FAX: (309) 687-6571
ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184.004714

TRANSPORTATION . MUNICIPAL ENGINEERING . LAND DEVELOPMENT ASBESTOS INSPECTION . CONSTRUCTION OBSERVATION

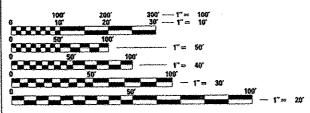
#### UTILITIES

**ATT/DISTRIBUTION** 630-573-5450

AMEREN CILCO KENT KOWALSKE 309-686-2616

VILLAGE OF CREVE COEUR WATER - MARK MENARD 209-613-3155

VILLAGE OF CREVE COEUR SANITARY - JEFF SHEFFLER 309-694-4101



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

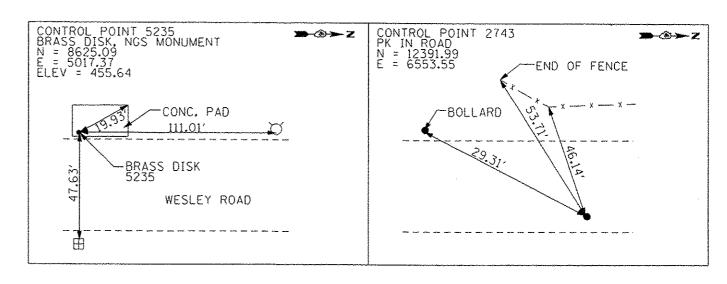
CAT #: 034873-00

#### GENERAL NOTES

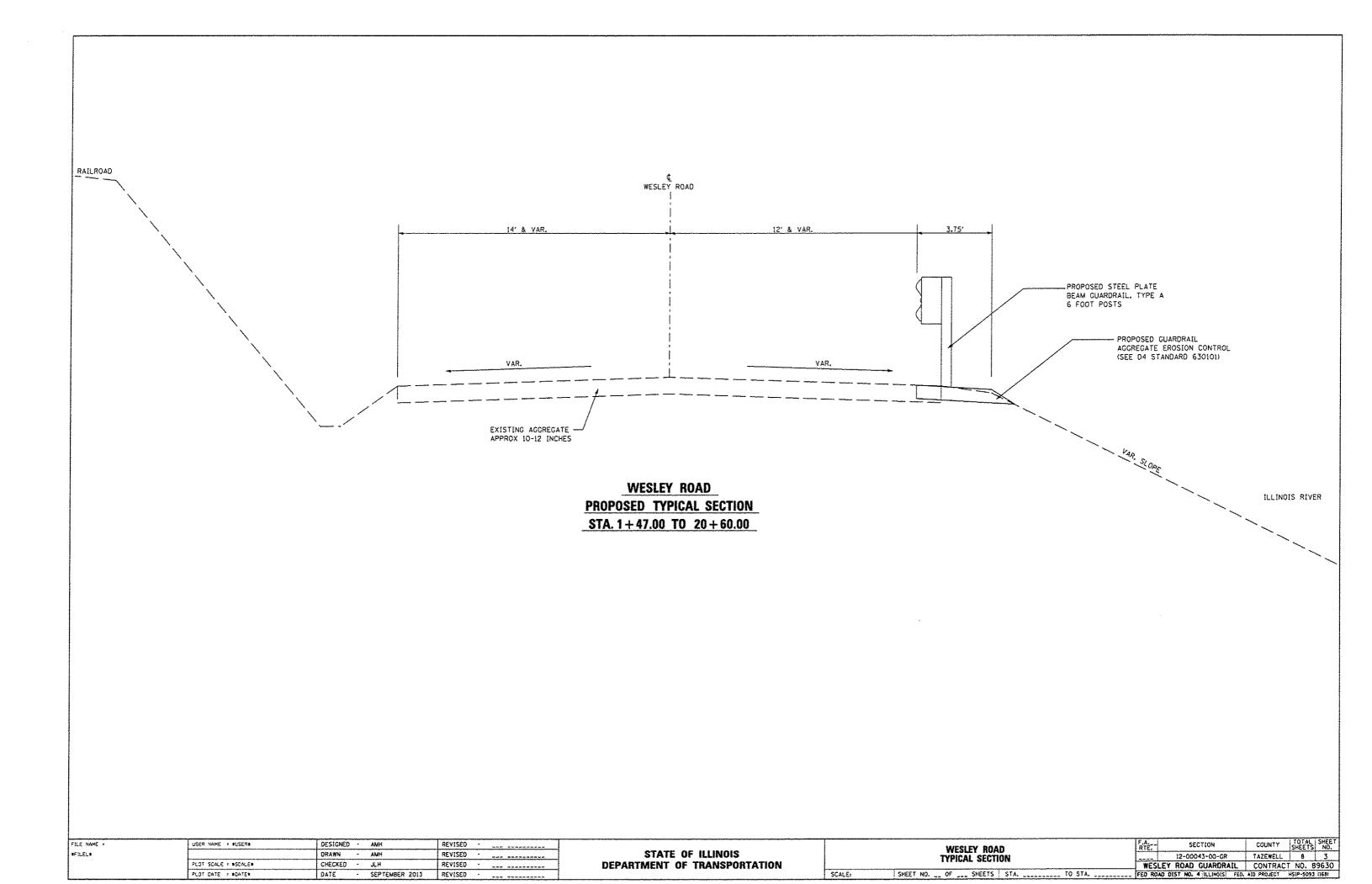
- ALL CONSTRUCTION SHALL COMPLY WITH THE CURRENT EDITIONS OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION," -HEREINAFTER REFERRED TO AS THE "STANDARD SPECIFICATIONS," "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS," AND THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES."
- 2. WESLEY ROAD WILL BE ALLOWED TO BE CLOSED TO TRAFFIC DURING DAY TIME HOURS WHEN CONSTRUCTION ACTIVITIES ARE TAKING PLACE. WESLEY ROAD MUST BE REOPENED AT THE END OF THE DAY. CONTRACTOR SHALL NOTIFY EMERGENCY SERVICES WHEN THE ROADWAY WILL BE CLOSED TO TRAFFIC.
- 3. THE GUARDRAIL ALIGNMENT SHOWN ON THE PLANS MAY BE ADJUSTED IN THE FIELD DURING CONSTRUCTION AT THE DIRECTION OF THE ENGINEER
- 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.34 OF THE "STANDARD SPECIFICATIONS." CALL JULLIE. AT 1-800-892-0123 A MINIMUM OF 48 HOURS IN ADVANCE OF DIGGING OPERATIONS. THE CONTRACTOR SHALL COORDINATE ANY REQUIRED UTILITY ADJUSTMENTS WITH THE APPROPRIATE UTILITY COMPANY.
- 5. THE LOCATION OF EXISTING UNDERCROUND UTILITIES, AS SHOWN ON THE PLANS, ARE BASED ON CAREFUL FIELD INVESTIGATION AND THE BEST INFORMATION AVAILABLE, BUT THEY ARE NOT GUARANTEED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THEIR EXACT LOCATION FROM THE UTILITY COMPANIES AND BY FIELD INVESTIGATION. AS REQUIRED FOR CONSTRUCTION.
- 6. ABANDONED UNDERGROUND UTLITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER, THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF THE CONTRACT.
- 7. THE CONTRACTOR SHALL NOTIFY AND RECEIVE APPROVAL FROM THE ENGINEER PRIOR TO REMOVING OR COVERING UP ANY SURVEY MONUMENTS OR PROPERTY MARKERS.
- 8. THE CONTRACTOR SHALL CONFINE THE CONSTRUCTION WITHIN THE RIGHT OF WAY OR TEMPORARY CONSTRUCTION EASEMENT.
- EROSION CONTROL SHALL BE PROVIDED FOR ANY DISTURBED AREA PER THE "ILLINOIS PROCEDURES AND STANDARDS FOR URBAN SOIL EROSION AND SEDIMENTATION CONTROL" AS PUBLISHED BY THE ILLINOIS NATURAL RESOURCES CONSERVATION SERVICES.
- CONTRACTOR SHALL TAKE REASONABLE PRECAUTIONS SO AS TO PREVENT DAMAGE FROM OCCURING TO ALL EXISTING BUILDINGS, STRUCTURES, PUBLIC, AND PRIVATE PROPERTY AS A RESULT OF CONSTRUCTION.
- 11. SIGNS, MAILBOXES, FENCE, FENCE RAILS, POSTS, LANDSCAPING ITEMS NOT IDENTIFIED ON THE BID SCHEDULE WHICH ARE DAMAGED OR DISTURBED DURING CONSTRUCTION SHALL BE REPLACED WITH LIKE MATERIALS AND CONSTRUCTION. THIS WORK SHALL BE INCLUDED IN THE CONTRACT AMOUNT
- 12. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING APPROPRIATE TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH THE LATEST REQUIREMENTS OF THE STANDARD SPECIFICATIONS, MUTCD, AND ANY REQUIREMENTS DETAILED IN THE CONTROL DOCUMENTS. TRAFFIC CONTROL SHALL BE PAID FOR AS TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21.
- 13. ALL ELEVATIONS SHOWN ON THE PLANS ARE ON A LOCALLY ESTABLISHED DATUM. SEE THIS SHEET FOR LIST OF BENCHMARKS AND HORIZONTAL CONTROL POINTS. THE CONTRACTOR SHALL VERIFY ALL BENCHMARKS AND HORIZONTAL CONTROL POINTS FOR ACCURACY PRIOR TO STARTING CONSTRUCTION AND REPORT ANY DISCREPANCIES TO THE ENGINEER.
- 14. THE CONTRACTOR SHALL COMPLY WITH THE LEGAL STREET LOADING LIMITS ESTABLISHED BY THE CITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE CAUSED BY LUGS OR CLEATS ON TREADS OR WHEELS, EXCESSIVE WEIGHTS, AND LOADS, ETC.

SUMMARY OF QUANTITIES							
CODE NUMBER	PAY ITEM	UNIT	TOTAL				
63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A 6 FOOT POSTS	FOOT	1775.0				
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	2.0				
67100100	MOBILIZATION	LSUM	1.0				
70101830	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21	L SUM	1.0				
78200410	GUARDRAIL MARKERS, TYPE A	EACH	18.0				
78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	2.0				
Z0001002	GUARDRAIL AGGREGATE EROSION CONTROL	TON	457.5				
Z0013798	CONSTRUCTION LAYOUT	L SUM	1.0				

PLAN LEGEND						
CONSTRUCTION LIMITS EXISTING R.O.W. TEMPORARY EASEMENT PROPERTY LINE EXISTING FENCE EXISTING SANITARY SEWER EXISTING CULVERT	л п п п п п п п п п п п п п п п п п п п					
PROPOSED GUARDRAIL  EXISTING SIGN	þ					
EXISTING FIRE HYDRANT EXISTING UTILITY POLE EXISTING BBOX EXISTING TREE	0 0 0					
EXISTING SHRUB EXISTING MANHOLE	0					
EXISTING TELEPHONE PEDES EXISTING STORM INLET	TAL B					



TTD C 1111/C		pretence	<del></del>	<del></del>				1
FILE NAME *	USER NAME = #USER#	DESIGNED -	amh	REVISED -		SUMMARY OF QUANTITIES.	F.A. CCCTION	COUNTY TOTAL SHEET
*FILEL*		DRAWN -	AMH	REVISED -	STATE OF ILLINOIS	GENERAL NOTES, HORIZONTAL & VERTICAL CONTROL	RTE. SECTION	SHEETS NO.
1	PLOT SCALE = #5CALE\$	CHECKED -	a.H	REVISED -	DEPARTMENT OF TRANSPORTATION	& LEGEND	12-00043-00-GR	TAZEWELL B 2
1	PLOT DATE = +DATE+	DATE	CCOTCUSCS SAIT	Benteeo	DEFAUTMENT OF THANSPORTATION		WESLEY ROAD GUARDRAIL	CONTRACT NO. 89630
<u> </u>	1	1 UNIE	ACT TEMOEN 2013	LEATOCO -	<u> </u>	SCALE: SHEET NO. OF SHEETS STA. TO STA.	FED ROAD DIST NO. 4 ILLINOIS F	ED. AID PROJECT HSIP-5093 (168)



STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	63000001			
LOCATION	LENGTH			
STATION TO STATION	FEET			
STA 2+17.25 TO STA 3+67.14	150.00			
STA 3+67.14 TO STA 7+66,52	400.00			
STA. 7+66.52 TO STA. 9+16.23	150.00			
STA. 9+16.23 TO STA. 12+28.80	312.50			
STA, 12+28.80 TO STA, 14+78.94	250.00			
STA. 14+78.94 TO STA. 16+41.22	162.50			
STA 16+41.22 TO STA 18+53.47	212.50			
STA, 18+53.47 TO STA, 19+28.60	75.00			
STA. 19+28.60 TO STA. 19+91.10	62.50			
TOTAL	1775.00			

TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	63100167	
LOCATION	UNIT	
STATION TO STATION	EACH	
STA. 1+67.13 TO STA. 2+17.25	1.00	
STA 19+91.10 TO STA 20+41.09	1.00	
TOTAL	2.00	

MOBILIZATION	67100100
LOCATION	UNIT
STATION	LSUM
ENTIRE JOB	1.00
TOTAL	1.00

TRAFFIC CONTROL & PROTECTION, STANDARD BLR 21	70101830	
LOCATION	UNIT	
STATION	LSUM	
ENTIRE JOB	1.00	
TOTAL	1.00	

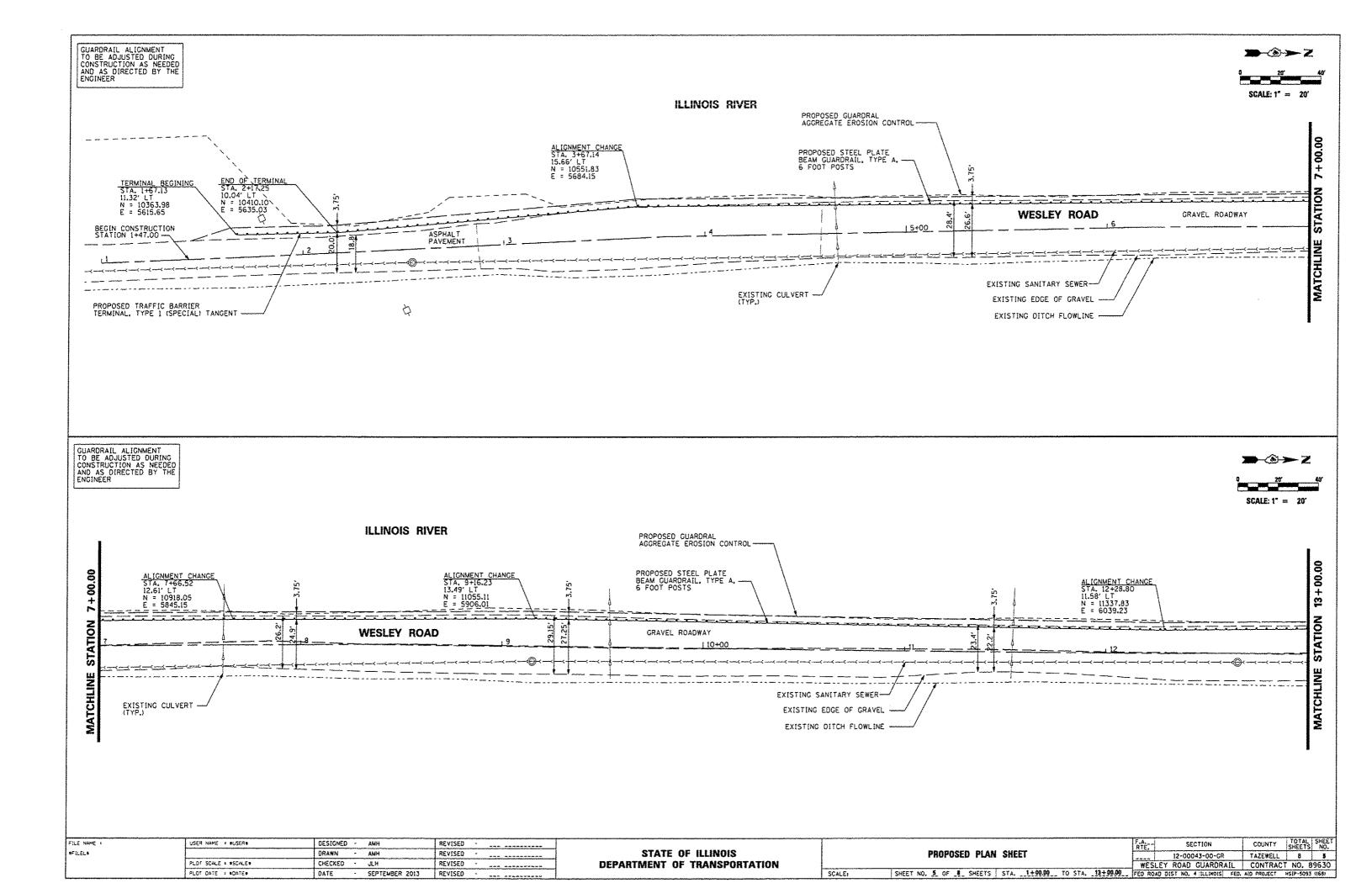
GUARDRAIL MARKE	78200410		
LOCATION	UNIT		
STATION TO STATION	FEET	FEET	EACH
STA. 1+67.13 TO STA. 5+67.13	400	80	6.00
STA, 5+67.13 TO STA, 16+41.09	1073	200	6.00
STA 16+41.09 TO STA 20+41.09	400	80	6.00
		TOTAL	18.00

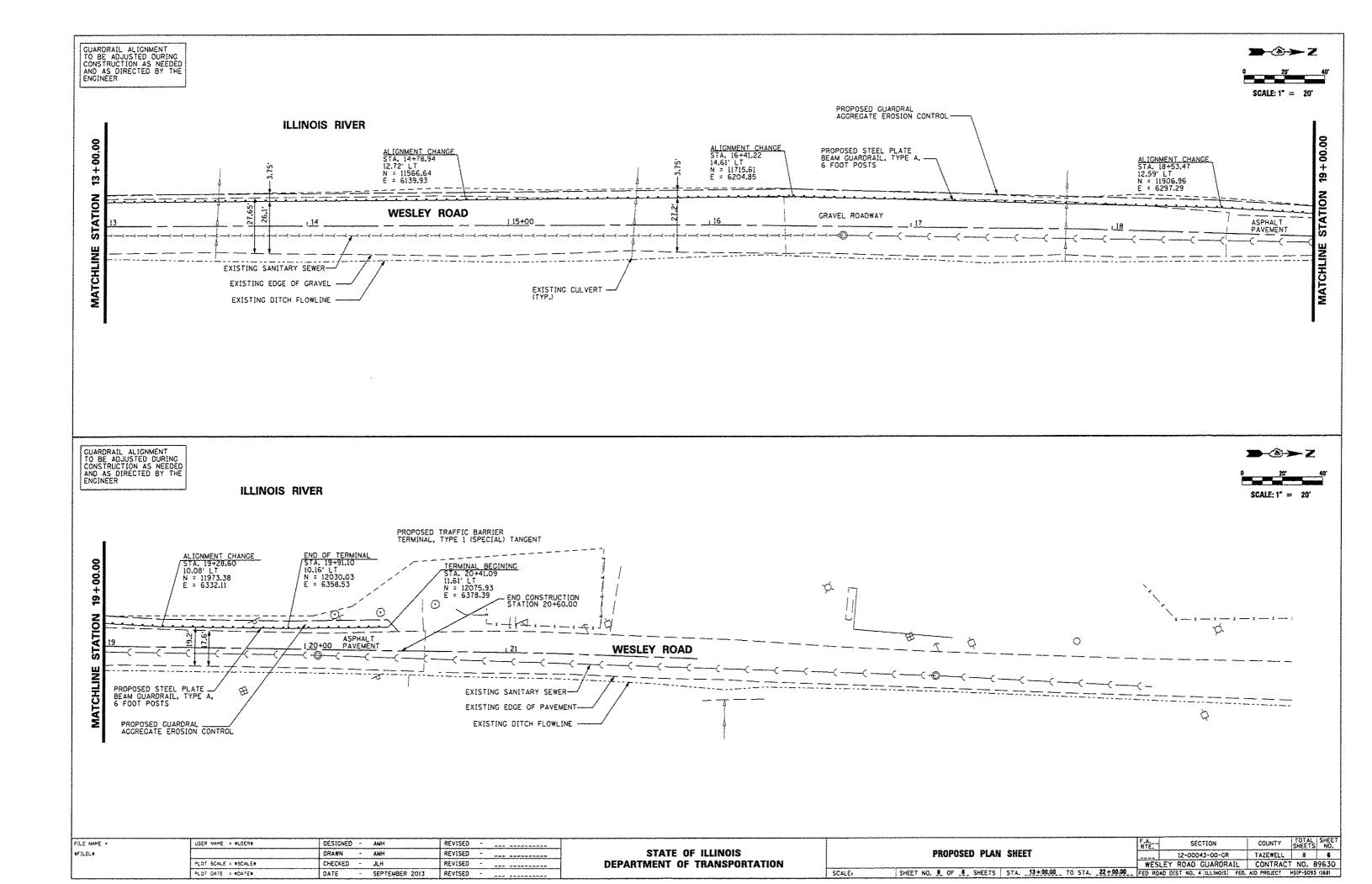
GUARDRAIL AGGREGATE EROSION	Z0001002		
LOCATION	LENGTH	WEIGHT TON	
STATION TO STATION	FEET		
STA 1+47.00 TO STA 20+60.00	1913	457.53	
	TOTAL	457.53	

TERMINAL MARKER - DIRECT APPLIED	78201000 UNIT		
LOCATION	UNIT		
STATION	EACH		
STATION 1+67.13	1.00		
STATION 20+41.09	1.00		
TOTAL	2.00		

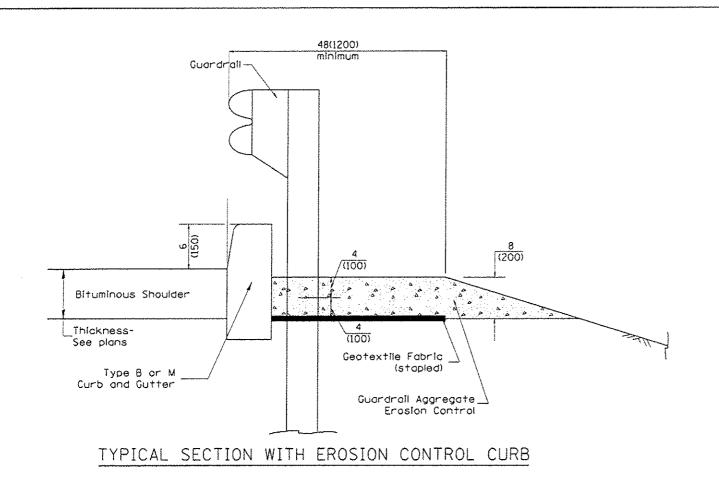
CONSTRUCTION LAYOUT	Z0013798
LOCATION	UNIT
STATION	L SUM
ENTIRE JOB	1.00
	OTAL 1.00

FILE HAME +	USER NAME . BUSERS	DESIGNED -	AMH	REVISED -		SCHEDULE OF QUANTITIES		SECTION	COUNTY SHEE	AL SHEET
*FILEL*		DRAWN -	AMH	REVISED -	STATE OF ILLINOIS			12-00043-00-GR	TAZEWELL 8	4
1	PLOT SCALE « #SCALE*	CHECKED -	JLH	REVISED -	DEPARTMENT OF TRANSPORTATION		WE'	SLEY ROAD GUARDRAIL	CONTRACT NO.	89630
<u> </u>	PLOT GATE + #QATE#	DATE -	SEPTEMBER 2013	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.	FED R	DAD DIST NO. 4 ILLINOIS FE	D. AID PROJECT HSIP-50	5093 (168)



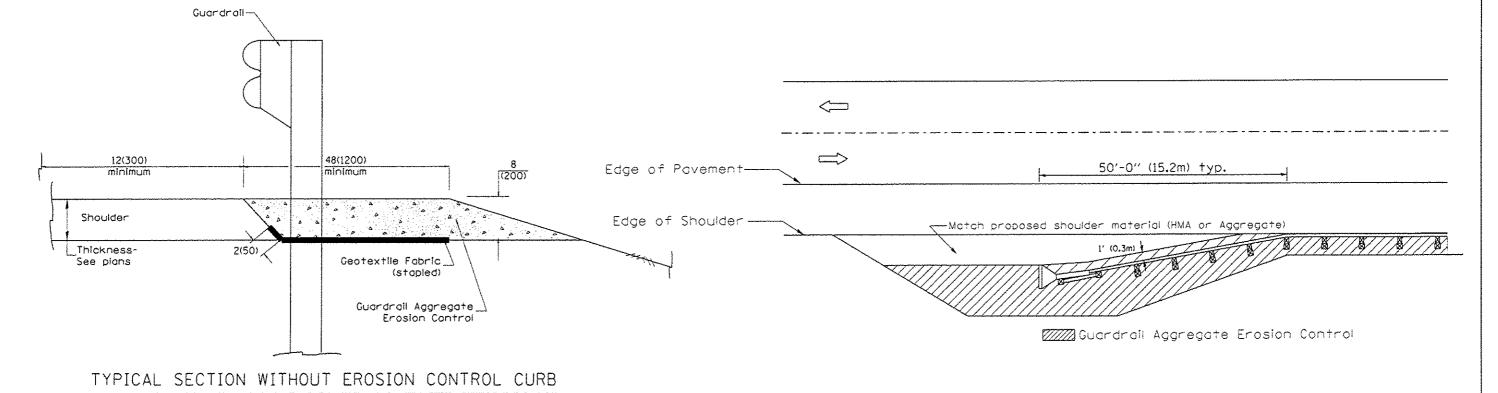


District



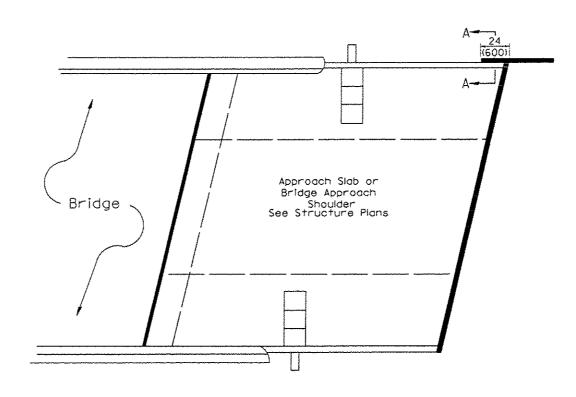
#### GENERAL NOTES: GUARDRAIL AGGREGATE EROSION CONTROL

- 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 quardrail 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.

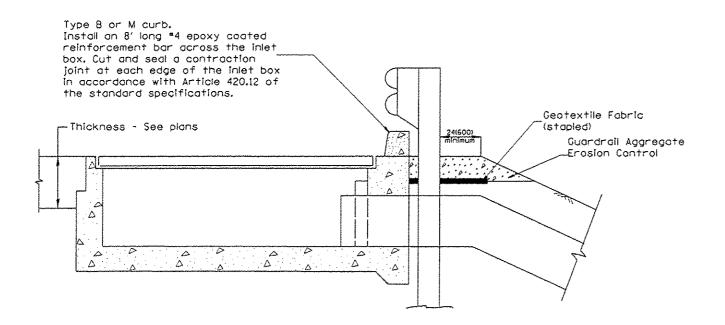
4.	G 01-01-97 RENUM. C-22.01, NEW REVISION BOX	7.P.	3-7-11 Added Detail showing pign view	R.O.			F	ITE. SECTION	COUNTY	SHEETS	NO.
	03-01-97 CORRECT STO. NUMBERS IN NOTES PG. 2	J.A.	8-10-12 Revised curb "8" and aggregate	R.D.	STATE OF ILLINOIS	GUARDRAIL EROSION CONTROL TREATMENTS	r	12-00043-00-GR	TAZEWELL	8	7
	11-03-00 CORRECTION TO NOTES	M.A.		}	DEPARTMENT OF TRANSPORTATION		SHT. 1 OF 2	WESLEY ROAD GUARDRAIL	CONTRAC	CT NO. 89	630
	10-16-06 REVISED TO 2007 SPEC.	M.A.				NOT TO SCALE CADD ST	0. 630101-04	ED. ROAD DIST, NO. 4 HLLINOIS	ED. AID PROJECT	HSIP-5093 (16	<u>8i</u>

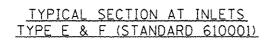


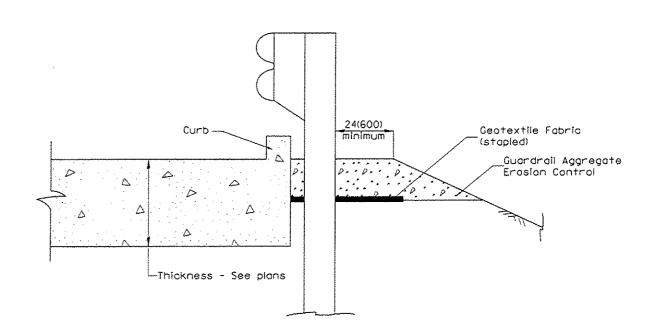
PLAN VIEW

APPROACH SLAB OR BRIDGE APPROACH SHOULDER

(STANDARD 609001 or 609006)







SECTION A-A

TYPICAL SECTION WITH BRIDGE APPROACH CURB

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

FILE NAME	USER NAME . #USER#	DESIGNED -	REVISED -									RTE.	SECTION	COUNTY	SHEETS NO.
ofilelo		DRAWN -	REVISED -		STATE OF ILLINOIS	1	GUARDRAI	IL EROSI	ON CONTRO	OL TREATM	IENTS T	1	2-00043-00-CR	TAZEWELL	8 8
	PLOT SCALE : *SCALE*	CHECKED -	REVISED -		DEPARTMENT OF TRANSPORTATION						SHT. 2 OF 2	WESLEY RO	DAD GUARDRAIL	CONTRAC	T NO. 89630
***OCELVAME	PLOT DATE = #DATE#	DATE -	REVISED -			NOCALEO SCALE	SHEET	OF	SHEETS	STA.	CADDTOS 100 A. 630101-D4	FED. ROAD DIST	. NO. 4 ILLINGIS	FED. AJD PROJECT H	HSIP-5093 (168)