

INDEX OF SHEETS

- 1 COVER SHEET, INDEX OF SHEETS, HIGHWAY STANDARDS
- 2 GENERAL NOTES
- 3 SUMMARY OF QUANTITIES
- 4 BRIDGE FENCE RAILING, STRUCTURE NO. 089-0043
- 5 EXISTING PEDESTRIAN RAIL PLANS
- 6 INFORMATIONAL WARNING SIGNS (FOR NARROW TRAVEL LANES) 39.2

STANDARDS

- 701006-05 OFF-RD OPERATIONS, 2L, 2W, 15' (4.5m) TO 24" (600mm) FROM PAVEMENT EDGE
- 701201-04 LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS  $\geq$  45 MPH
- 701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
- 701801-05 SIDEWALK, CORNER OR CROSSWALK CLOSURE
- 701901-03 TRAFFIC CONTROL DEVICES
- 720011-01 SIGN PANEL MOUNTING DETAILS
- 728001-01 TELESCOPING STEEL SIGN SUPPORT
- 729001-01 APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS AND MARKERS)

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

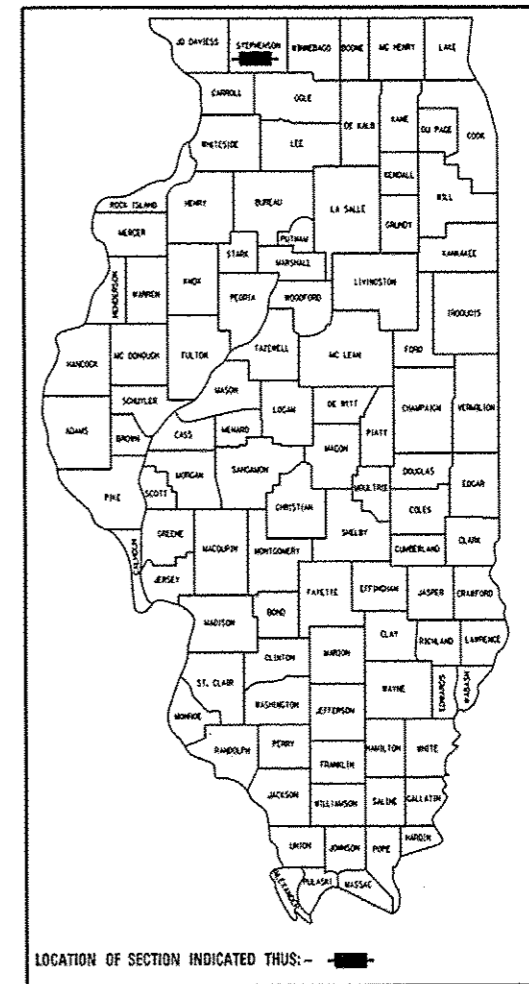
PROPOSED  
HIGHWAY PLANS

FAP ROUTE 316 (IL 26)  
SECTION D2 BRIDGE REPAIR 2014-3

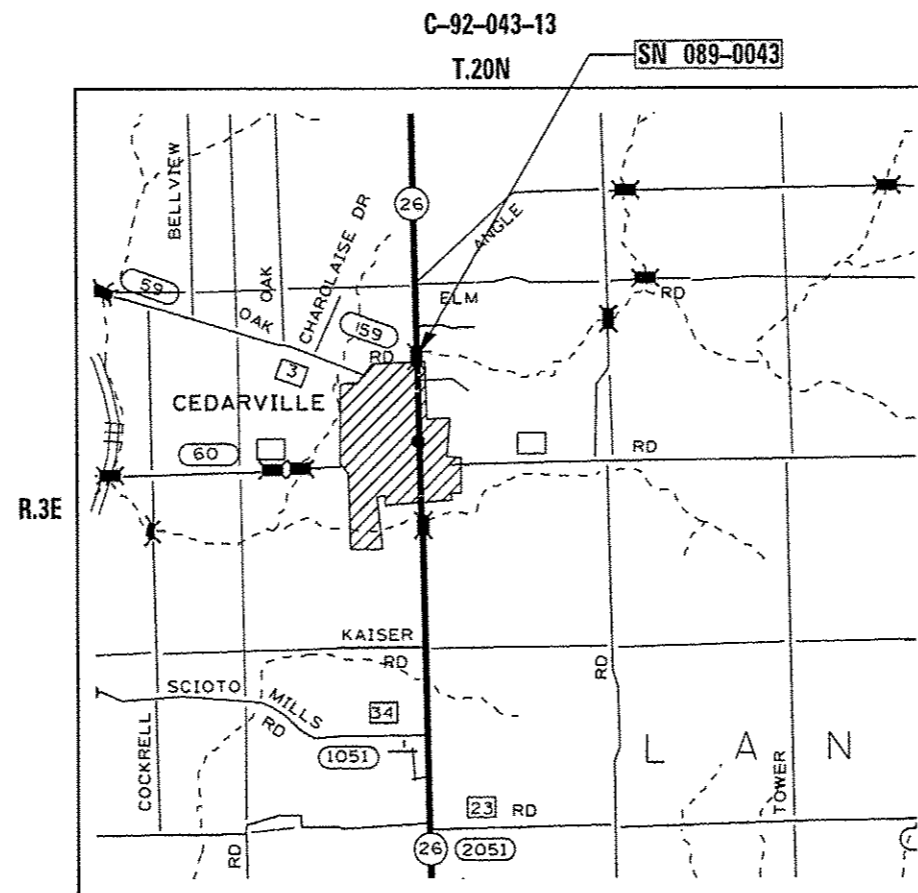
STEPHENSON COUNTY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
316	D2 BRIDGE REPAIR 2014-3	STEPHENSON	6	1
		ILLINOIS	CONTRACT NO. 64J46	

D-92-024-13



NEWTON TOWNSHIP, SECTION 25



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

PROJECT ENGINEER: DAVID DOSS (815) 284-5416  
PROJECT MANAGER: MAHMOUD ETEMADI (815) 284-5393

CONTRACT NO. 64J46

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED March 14<sup>th</sup> 2014  
Paul A. [Signature]  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

May 9 2014  
John D. Baranzelli, P.E.  
ENGINEER OF DESIGN AND ENVIRONMENT

May 9 2014  
Omer Osman, P.E.  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

# GENERAL NOTES

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY DURING CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. A MINIMUM OF 48 HOURS ADVANCE NOTICE IS REQUIRED FOR NON-EMERGENCY WORK. THE JULIE NUMBER IS 800-892-0123. THE FOLLOWING LISTED UTILITIES ARE LOCATED WITHIN THE PROJECT LIMITS OR IMMEDIATELY ADJACENT TO THE PROJECT CONSTRUCTION LIMITS ARE MEMBERS OF JULIE:

**ELECTRIC:**  
COMMONWEALTH EDISON COMPANY  
ATTN: NORA FERNANDEZ (815) 490-2869  
123 ENERGY AVENUE  
ROCKFORD, IL 61109

**GAS:**  
NICOR GAS CO.  
ATTN: CONSTANCE LANE (630) 983-8676  
1844 FERRY ROAD  
NAPERVILLE, IL 60563

**COMMUNICATIONS:**  
FIBER  
ATTN: LANCE SANDY (815) 753-6075  
3100 SYCAMORE ROAD  
DEKALB, IL 60115

**TELEPHONE:**  
FRONTIER  
ATTN: DONALD BELMORE (815) 544-6171  
2239 NEWBURG ROAD  
BELVIDERE, IL 61008

**CATV:**  
COMCAST CABLE  
ATTN: MICHAEL OWENS (815) 395-8977  
4450 KISHWAUKEE STREET  
ROCKFORD, IL 61109

IDOT IS NOT A MEMBER OF JULIE. IF YOU ARE NEAR AND OVERHEAD LIGHTING, INTERSECTION LIGHTING OR TRAFFIC SIGNALS, CONTACT THE IDOT TRAFFIC OFFICE AT 815-284-5469 AT LEAST 48 HOURS PRIOR TO WORK.

THE COST OF THE REMOVAL OF EXISTING BRIDGE FENCE RAILING IS INCLUDED IN THE PAY ITEM BRIDGE FENCE RAILING.

NO STREAM PERMITS HAVE BEEN PROCURED FOR THIS PROJECT. NONE ARE REQUIRED FROM THE REGULATORY AGENCIES AS LONG AS THERE IS NO DEBRIS FALLING OR BEING PLACED INTO THE STREAM. ANY TEMPORARY FILL IN THE STREAM OR THE COMPROMISING OF THE DIKE (IF APPLICABLE) WILL NOT BE ALLOWED. IF THE CONTRACTOR CHOOSES TO USE ALTERNATE/MODIFIED CONSTRUCTION METHOD(S) FROM THE AFOREMENTIONED, THEY WILL BE RESPONSIBLE FOR OBTAINING THE PROPER PERMITS. NO RELIEF OR COMPENSATION WILL BE GIVEN FOR ANY DELAYS, WORKING DAYS CHARGED OR CALENDAR DAYS EXPIRED AS A RESULT OF THE LOSS OF TIME OR DELAY DURING THE RE-SUBMITTAL PROCESS TO PROCURE THE NECESSARY PERMIT(S) DUE TO THE CONTRACTOR CHOOSING ALTERNATE/MODIFIED CONSTRUCTION METHOD(S). ABSOLUTELY NO CONSTRUCTION ACTIVITIES WILL TAKE PLACE WITHOUT THE PROPER PERMITS BEING SECURED.

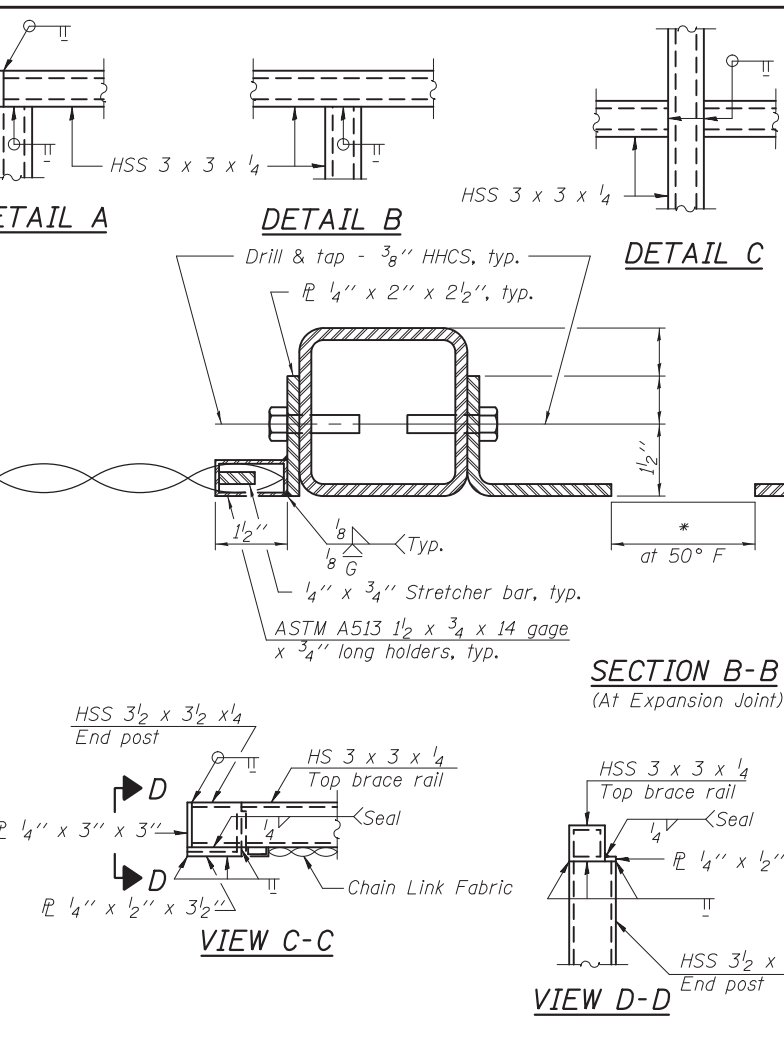
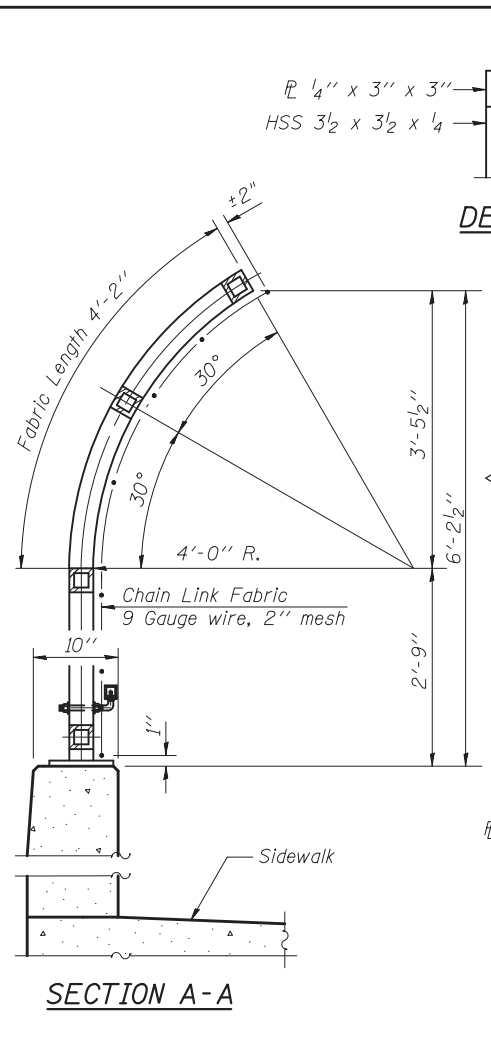
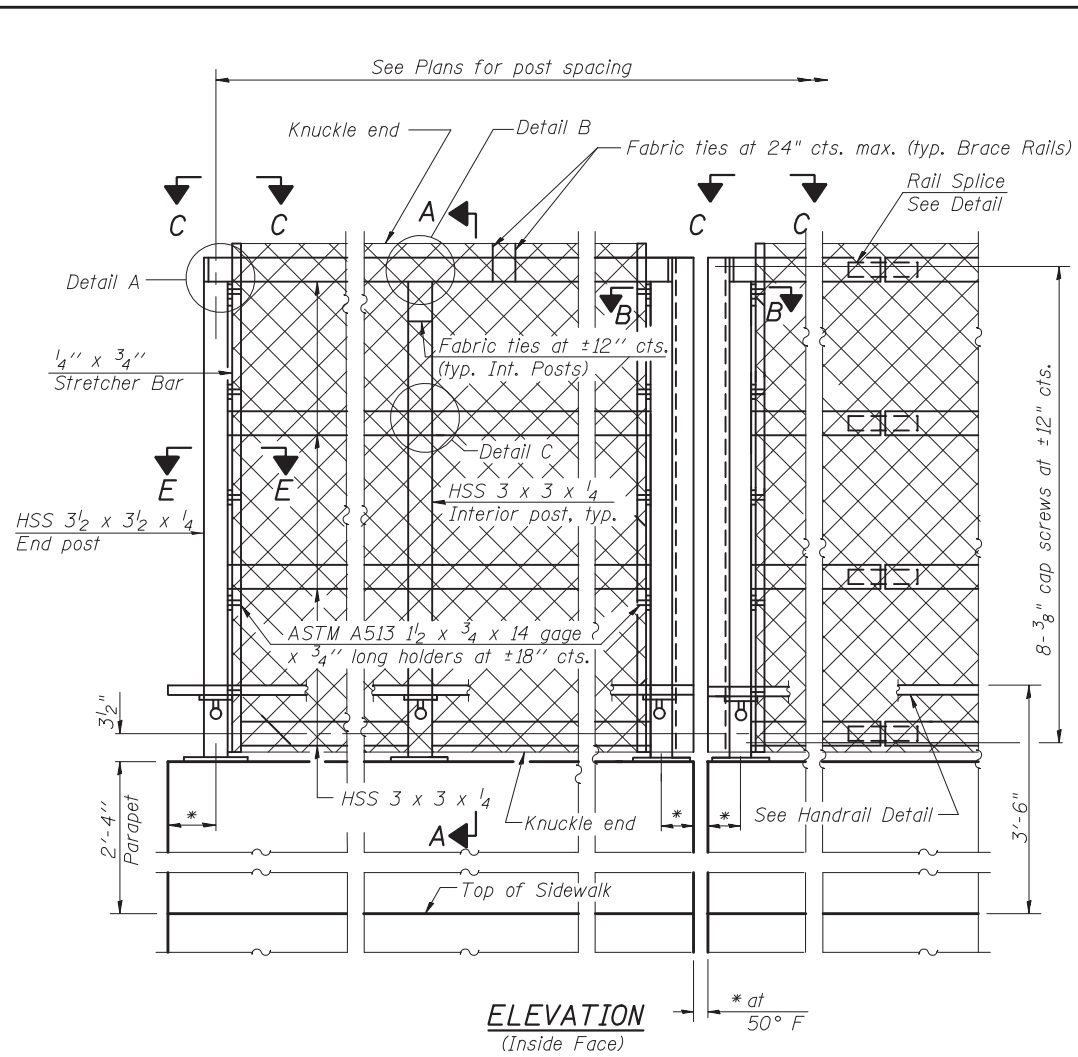
FILE NAME = D:\BR\Doss\Stephenson\64J46 Bridge Railing Replacement\CADD\2014\2413-sht-cover.dgn  USER NAME = dossdd  PLOT DATE = Fri Feb 21 14:57:20 2014	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>GENERAL NOTES</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			316	D2 BRIDGE REPAIR 2014-3	STEPHENSON	6	2
			CONTRACT NO. 64J46				
			FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

# SUMMARY OF QUANTITIES

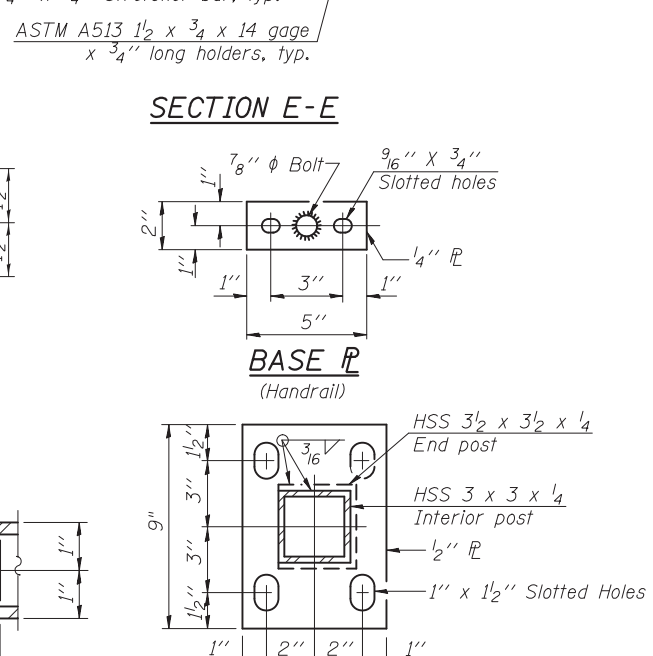
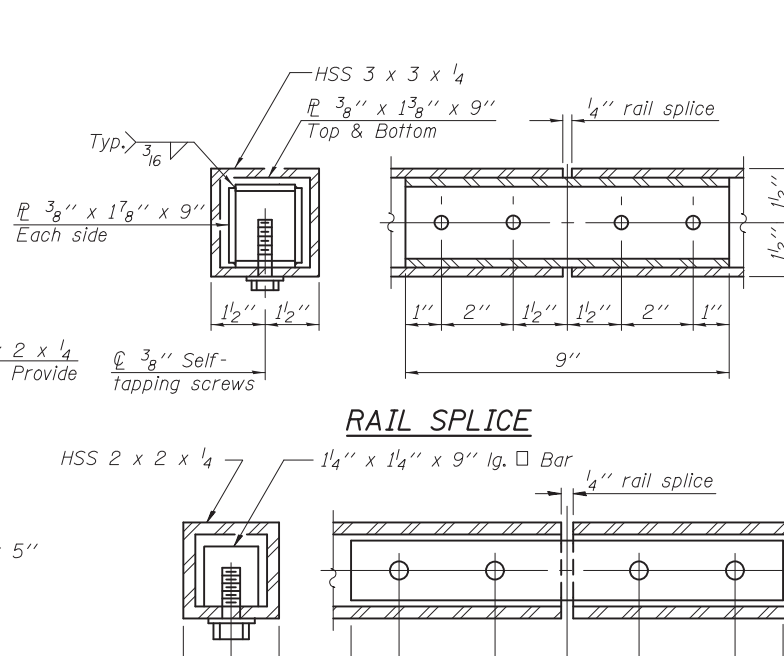
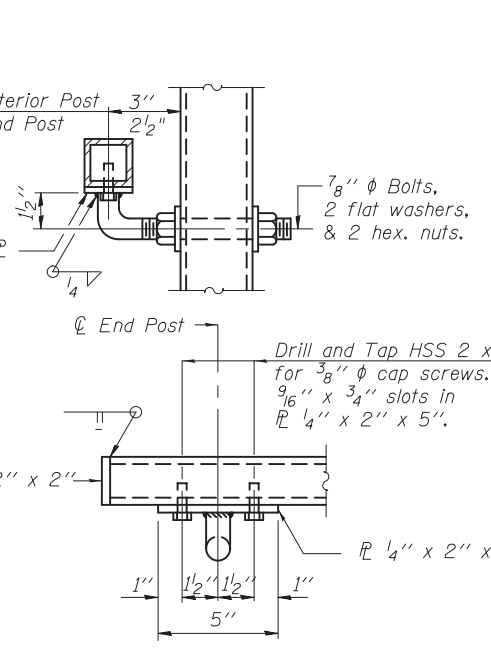
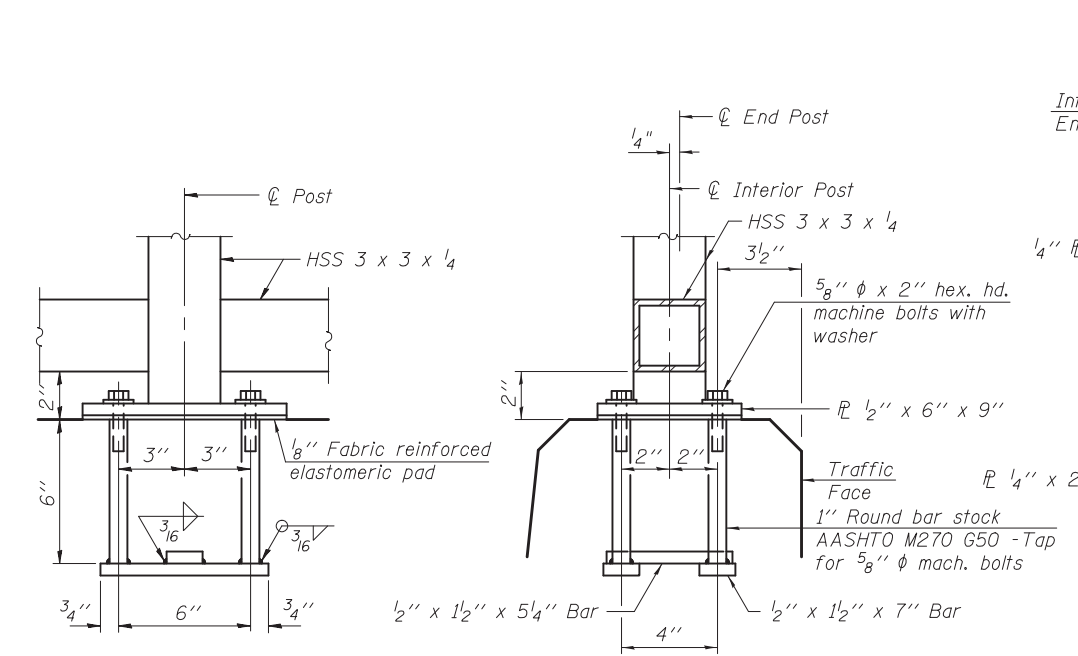
0014  
100%  
STATE

CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY
50901730	BRIDGE FENCE RAILING	FT	335
67100100	MOBILIZATION	L SUM	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1

FILE NAME = D:\BR\Doss\Stephenson\64J46 Bridge Railing Replacement\CADD\0202413-sht-cover.dgn	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
USER NAME = dossdd			316	02 BRIDGE REPAIR 2014-3	STEPHENSON	6	3
PLOT DATE = Fri Feb 21 14:57:35 2014			CONTRACT NO. 64J46				
			FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



The designer should add the appropriate note as applicable.  
 A. When railing is galvanized:  
 All steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.  
 B. When railing is painted:  
 All post, railing, splices, anchor devices, and plates shall be painted using the (List the appropriate paint system for Structural Steel).  
 Only one of the above notes would appear on Contract Plans.



**ANCHOR BOLT DETAILS**  
 In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting 5/8" anchor rods according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.

R-32 7-1-10 \*Variable - See Plans (10'-0" Maximum Post Spacing)

FILE NAME =	USER NAME =	DESIGNED -	REVISED -
		CHECKED -	REVISED -
		DRAWN -	REVISED -
		CHECKED -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**BRIDGE FENCE RAILING, PARAPET MOUNTED  
 STRUCTURE NO. 089-0043**

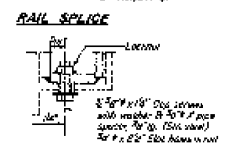
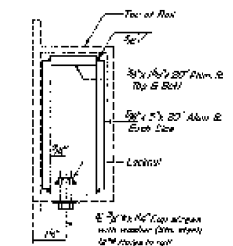
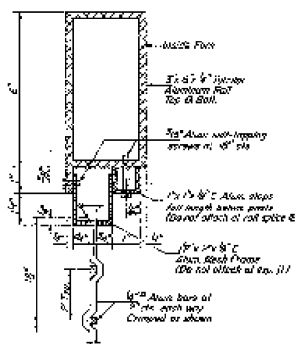
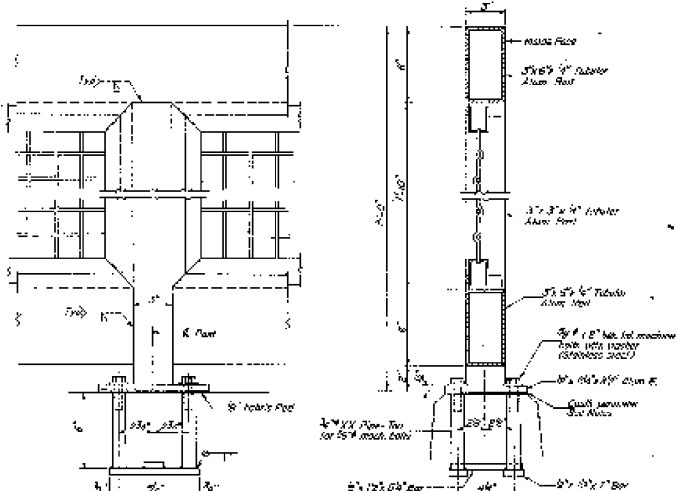
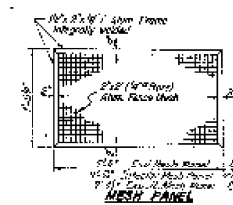
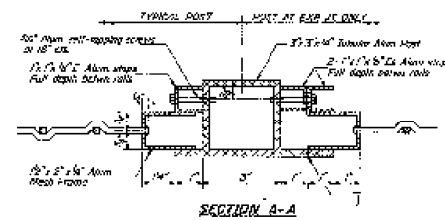
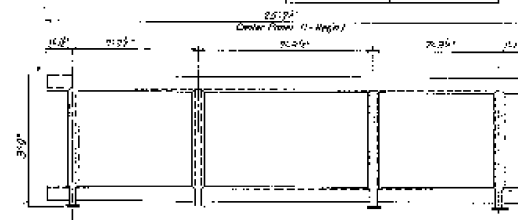
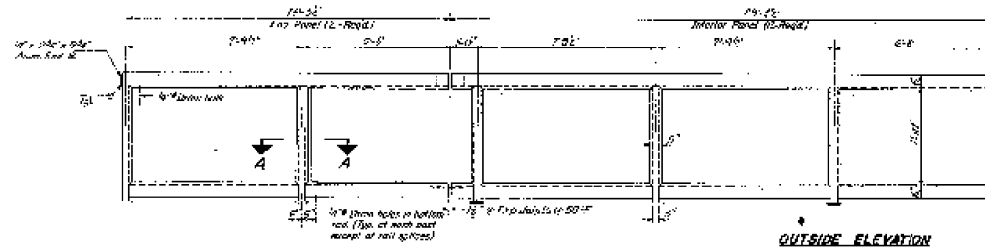
F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
316	D2 BRIDGE REPAIR 2014-3	STEPHENSON	5	3
CONTRACT NO. 64J46			ILLINOIS FED. AID PROJECT	

**BILL OF MATERIAL**

Item	Unit	Quantity
Bridge Fence Railing	Foot	335

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DATE	BY	CHKD	APP'D	SHEET NO. OF
1/21/14	DOSS	DOSS	DOSS	64J46
PROJECT NO.				64J46
SHEET NO.				21



**NOTES**

Structures steel members shall be cold finished steel in accordance with Article 710.27 of the SDG Code.

All joints in rail shall be galvanized.

Provide 1/2" and 3/4" clearance around for 20% of the post. Post element shall be connected to greater size splice steel by galvanized rail splice element.

Steel perimeter of post base shall be provided with two compressed non-slippery 2-ply neoprene compound with polyethylene (PE) particles, per detail with primer.

Posts: Galvanized steel shall be the same dimensions as base plate.

Aluminum alloy post shall conform to ASTM B221 alloy 6063-T5 with min yield 23ksi, min tensile 30ksi, and elongation of 10% in 2 inches.

Aluminum alloy rail shall conform to ASTM B221 alloy 6063-T52 or alloy 6063-T5.

Aluminum post for fence mesh shall conform to ASTM B221 alloy 6061-T94 or ASTM B221 alloy 6063-T52.

Aluminum plate shall conform to ASTM B221 alloy 6061-T6 with min yield 35 ksi, min tensile 58ksi, and elongation of 10% in 2 inches.

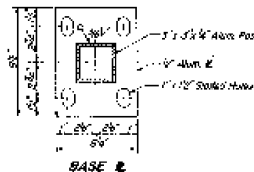
The finished surface of the aluminum section rail shall be cleaned and given a workshop finish in accordance with the Steel Structures Painting Council Specification SSPC-111 or SSPC-112 followed by 75% Zinc Lead Silver Chloride painting specified for Structural Steel.

**BILL OF MATERIAL**

Item	Qty	Unit	Quantity
Aluminum Perimeter post	1	Lin. Ft.	350

**ALUMINUM PEDESTRIAN RAIL**  
**FAKES 15-06-01-35**  
**STEPHENSON COUNTY**  
**STA. 56+23.00**

DESIGNED BY	DOSS
CHECKED BY	DOSS
DRAWN BY	DOSS
PLotted	DOSS



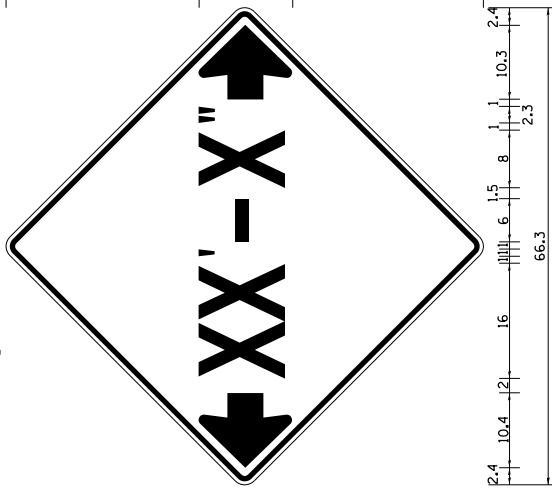
FOR INFORMATION ONLY

FILE NAME = O:\BR\Draws\Stephenson\64J46 Bridge Railing Replacement\CADD\2014\3-sht-cover.dgn  
 USER NAME = dossdd  
 PLOT DATE = Fri Feb 21 14:58:05 2014

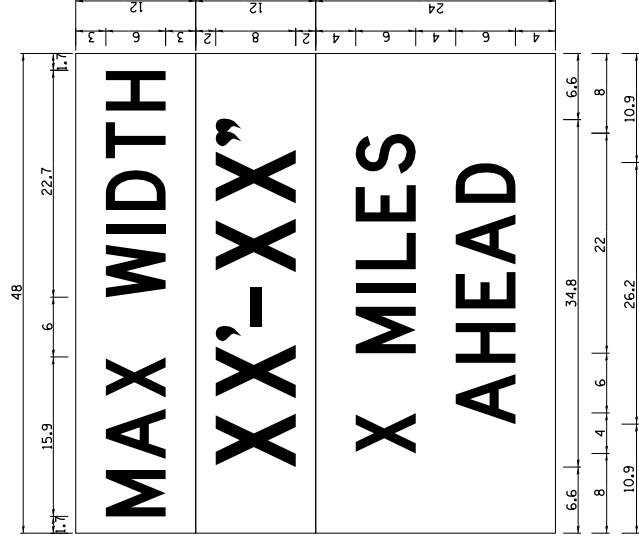
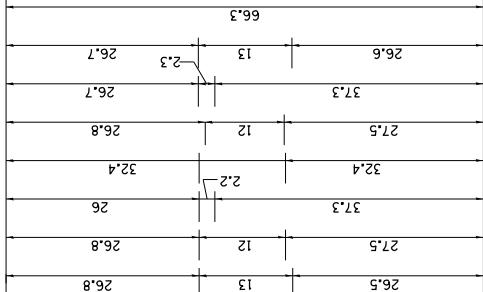
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
 EXISTING PEDESTRIAN  
RAIL PLANS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
316	D2 BRIDGE REPAIR 2014-3	STEPHENSON	6	5
CONTRACT NO. 64J46				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

# INFORMATIONAL WARNING SIGN (FOR NARROW TRAVEL LANES)



**NOTES**  
 W12-2 - Horizontal Clearance Sign  
 48.0" across sides, 1.9" Radius,  
 0.8" Border, 0.5" Indent, Black on  
 Orange; Standard Arrow Custom  
 10.4" X 8.1" 180° Black 11 Inch  
 D Series Lettering; Standard Arrow  
 Custom 10.4" X 8.1" 0°



W12-1103 (Width is 8D)  
 No border, Black on White;  
 [MAX WIDTH] D;

No border, Black on Orange;  
 [XX'-XX'' ] D;

No border, Black on White;  
 [X MILES] D; [AHEAD] D;

All work to furnish and install these signs shall be included in the cost of the Traffic Control Standards and shall not be paid for separately.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

REVISED - 5-15-09

FILE NAME =  
 O:\BR\Doss\Stephenson\64J46 Bridge Railing Replacement\CADD\2013-sht-cover.dgn

USER NAME = dossdd

PLOT DATE = Fri Feb 21 14:58:41 2014

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**REGION 2/  
 DISTRICT 2  
 STANDARD**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
316	D2 BRIDGE REPAIR 2014-3	STEPHENSON	6	6
CONTRACT NO. 64J46				
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	