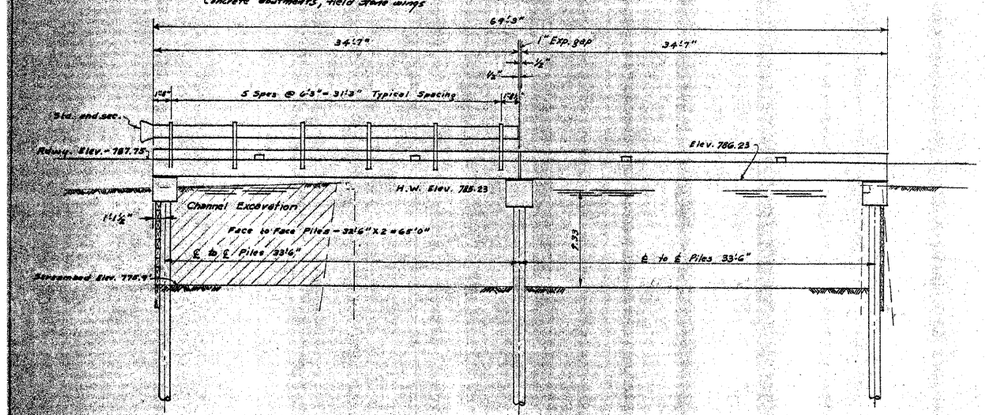
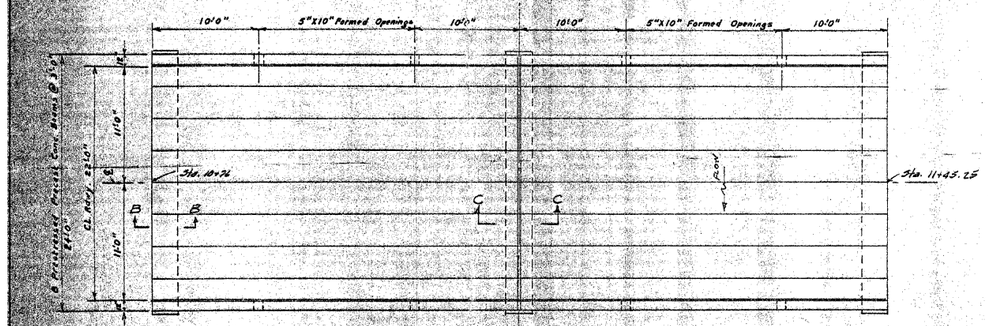
B.M. Concrete base of wood fence post south side of road Sta. 7+40 Elev. 791.99

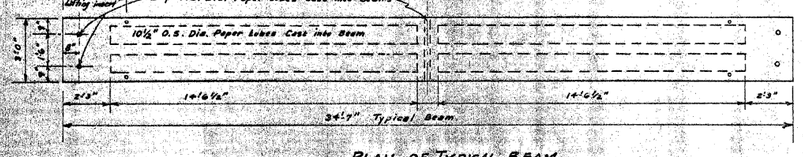
Existing Structure: Steel pin connected truss (in crack) 1 span @ 50' 14' roadway, wood floor. Concrete abutments, field stone wings



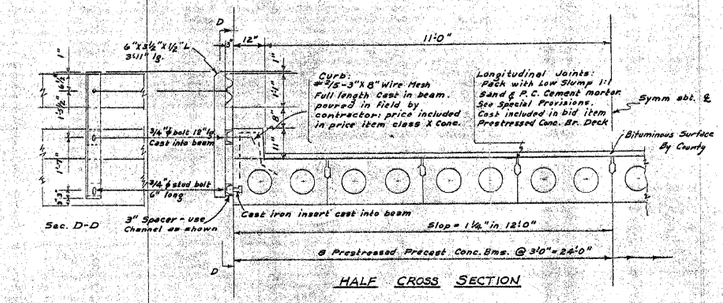
ELEVATION



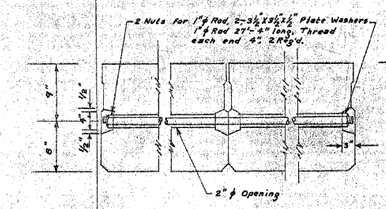
PLAN



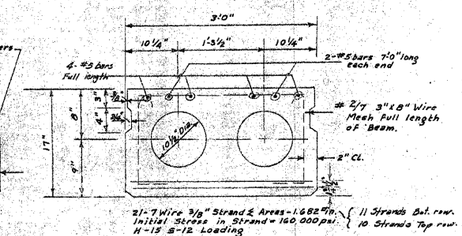
PLAN OF TYPICAL BEAM



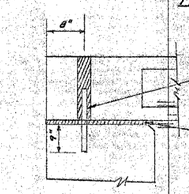
HALF CROSS SECTION



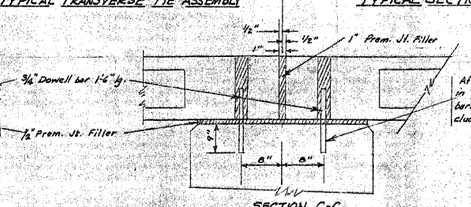
TYPICAL TRANSVERSE TIE ASSEMBLY



TYPICAL SECTION THRU BEAM



SECTION B-B



SECTION C-C

GENERAL NOTES

Class X Concrete shall be used in pile caps and curbs.

For Item "Precast Prestressed Concrete Bridge Deck" see Special Provisions.

Handrail shall be paid for as "Metal Plate Bridge Rail" and shall include all posts, shims, channels, bolts, nuts, and washers required for splicing and fastening to bridge. Handrail shall receive one shop coat of red lead paint and two field coats of aluminum paint. Paint shall be furnished and applied by the contractor.

Metal Plate Bridge Rail shall be in accordance with Section 964 of the Supplemental Specifications.

Excavation for backing shall be made before driving piles.

The contractor shall drive one test pile as part of the permanent pile group before ordering the remainder of the piles.

For backfill behind abutments, see Article 502.10 of the Standard Specs.

All Timber and Hardware shall conform to Sections 58 and 125 of the Standard Specifications.

Quantities of lumber are based on sizes and lengths shown. No additional compensation shall be allowed for waste.

TOTAL BILL OF MATERIAL

ITEM		TOTAL
Precast Prestressed Concrete Bridge Deck	Sq. Ft.	640
Class X Concrete (14.8 Caps + 4.6 Curbs)	Cu. Yds.	19.4
Reinforcement Bars	Lbs.	2230
Metal Plate Bridge Rail	Lin. Ft.	39.5
Hardware	Lbs.	100
Treated Timber	F.B.M.	600
Furnishing Creosoted Piles 20.1' to 30'	Lin. Ft.	1215
Driving Timber Piles (25' lg.)	Lin. Ft.	375
Furnishing Metal Pile Shells	Lin. Ft.	[illegible]
Driving and Filling Shells (30' lg.)	Lin. Ft.	[illegible]
Test Piles (Creosoted Timber)	Each	[illegible]
Removal of Existing Structures	Each	[illegible]
Name Plates	Each	[illegible]
Channel Excavation	Cu. Yds.	[illegible]

WATERWAY INFORMATION

Drainage Area 42,500 Acres
Character Level, rolling, wooded, cultivated
Present Opening 432 Sq. Ft.
Proposed Opening 606 Sq. Ft.

LOADING H15-S12

15 HILL BRIDGE
RICHMOND TOWNSHIP
McHENRY COUNTY

For Information only

FILE NAME = s:\jobs\6800-6899\6842\007\micros\cadd sheets\structural\056-3192-63666-018-EOPE.dgn

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = brianf	DESIGNED RRD	REVISED -	
	CHECKED AJS	REVISED -	
PLOT SCALE =	DRAWN BJF	REVISED -	
PLOT DATE = 1/3/2012	CHECKED RRD	REVISED -	

MCHENRY COUNTY DIVISION OF TRANSPORTATION
HILL ROAD BRIDGE OVER
NORTH BRANCH NIPPERSINK CREEK

EXISTING GENERAL PLAN AND ELEVATION
STRUCTURE NO. 056-3192

SHEET NO. 18 OF 18 SHEETS

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
21	08-00356-00-BR	MCHENRY	67	48
		CONTRACT NO. 63666		
		ILLINOIS FED. AID PROJECT		