

GENERAL NOTES

Reinforcement bars designated (E) shall be epoxy coated.

Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.

The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutments.

Seal coat thickness design is based on the Cofferdam Design Water Elevation (CDWE). Cofferdam design details and proposed changes in seal coat thickness shall be submitted to the Engineer for approval with the cofferdam design.

Slipforming of the parapets is not allowed.

The Contractor shall retain the services of an engineering firm, prequalified in the IDOT consultant selection category of Highway Bridges-Typical for preparation of the Structural Assessment Reports. Contractor's pre-approval shall not be applicable for this project. See Special Provision.

Current Ratings on File for Existing Structure

Inventory: HS 10.0

Operating: HS 16.6

Live Load Restrictions: No

Inventory and Operating Ratings and Live Load Restrictions are provided for information only. Inventory and Operating Ratings are based on HS loading and configuration. Live Load Restrictions are based on Illinois legal loads and configurations. The Ratings and Live Load Restrictions are not necessarily representative of capacities to support the Contractor's equipment.

The Contractor is advised that the existing structure contains members that are in a deteriorated condition with reduced load carrying capacity. It is the Contractor's responsibility to account for the condition of the existing structure when developing construction procedures for the complete or partial removal, or replacement of the structure. An Existing Structure Information Package is available upon request as noted in the special provisions.

DESIGN SCOUR ELEVATION TABLE

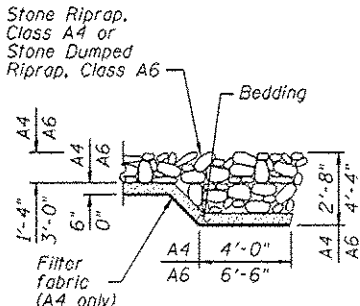
Design Scour Elevation (ft.)	W. Abut.	Pier 1	Pier 2	Pier 3	E. Abut.
	632.3	602.75	602.75	602.75	632.2

WATERWAY INFORMATION

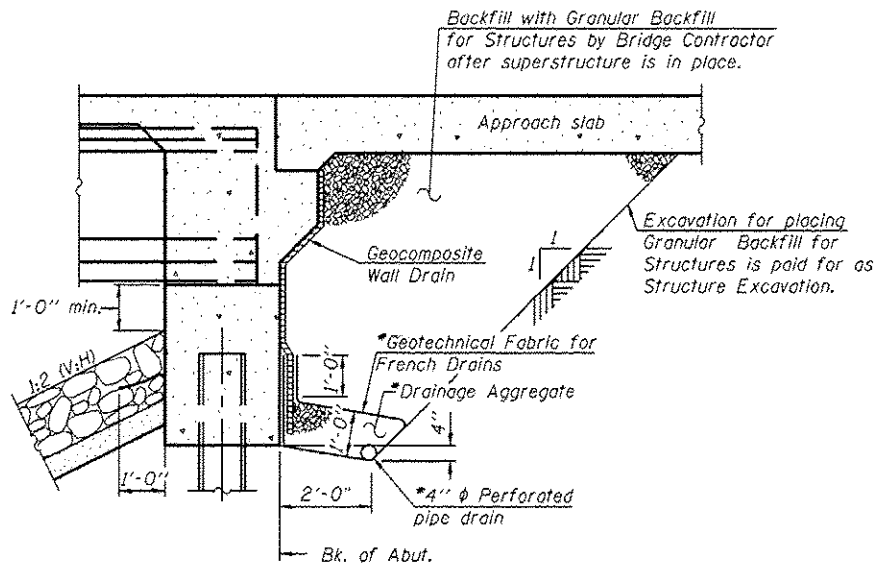
Drainage Area = 252.0 sq. mi. Low Grade Elev. 640.70 @ Sta. 732+50									
Flood	Freq. Yr.	C.F.S.	Opening Sq. Ft.		Not. H.W.E.	Head - Ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
Design	10	12823	1993	2624	631.6	2.2	1.7	633.8	633.3
Base	50	19116	2357	3086	633.0	3.2	2.4	636.2	635.4
Overtopping	100	21855	2507	3279	633.6	3.6	2.6	637.2	636.2
Max. Calc.	500	28752	2836	3381	634.9	4.6	3.7	639.5	638.6

STATION 730+85.00
BUILT BY
STATE OF ILLINOIS
F.A.P. RTE. 711 SEC. 116BR-1
LOADING HL-93
STRUCTURE NO. 092-0207

NAME PLATE
See Std. 515001



SECTION A-A

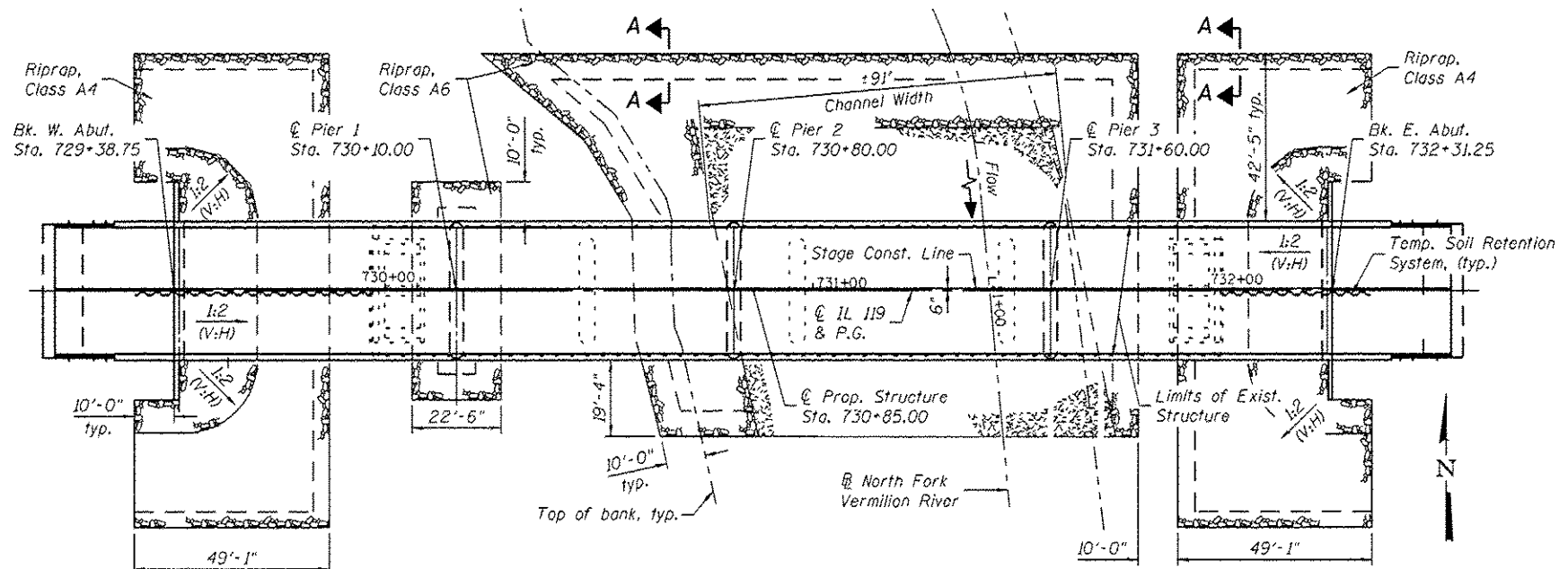


SECTION THRU INTEGRAL ABUTMENT

*Included in the cost of Pipe Underdrains for Structures.

Note:

All drainage system components shall extend to 2'-0" from the end of each wingwall except an outlet pipe shall extend until intersecting with the side slopes. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 601101).



PLAN OF RIPRAP LAYOUT

Notes:

Existing riprap to be used in place except as directed by the Engineer. Cost included with Stone Dumped Riprap, Class A6.

Cost of existing riprap removal required for cofferdam and pier construction included with Cofferdam Excavation.

LEGEND

- Proposed Riprap
- Existing Riprap to be reused.

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Civil Engineering Design
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Fairview Heights, IL 62208
Phone 618-206-4250

USER NAME	ctw	DESIGNED	CTW	REVISED	4/8/2014 C.T.W.
		CHECKED	CDL	REVISED	-
PLOT SCALE	0.2 1" = 10'	DRAWN	CTW	REVISED	-
PLOT DATE	4/8/2014	DATE	4/8/2014	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL DATA
STRUCTURE NO. 092-0207
SHEET NO. 2 OF 33 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
711	116BR-1	VERMILION	84	32
			CONTRACT NO. 70614	
ILLINOIS FED. AID PROJECT				