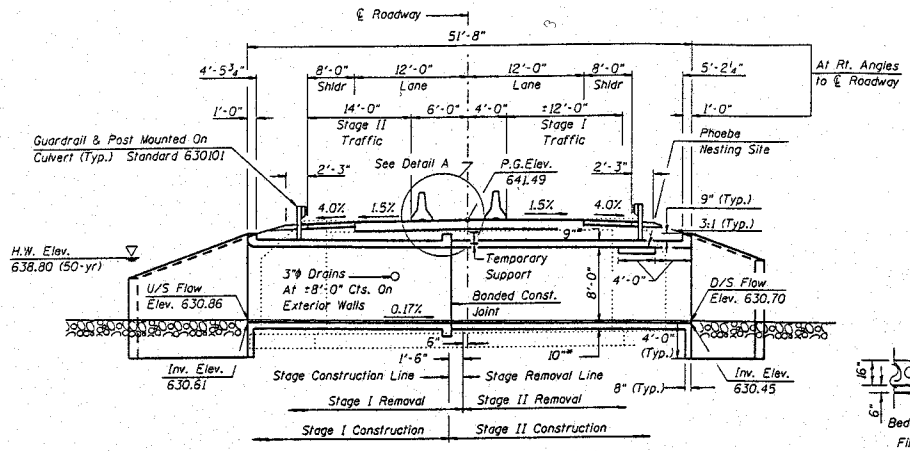
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 315	(108B)BR-1	MCDONOUGH	—	—
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

Bench Mark: A chiseled '□' on east side of south abutment of the existing bridge over Camp Creek. Elev. 641.10

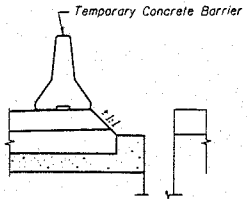
Precast option is not allowed.

Existing Structure: The existing Structure No. 055-0011, built in 1928, is a single span reinforced concrete slab bridge on closed abutments with top and bottom constrained. Structure to be replaced by a reinforced triple barrel concrete box culvert. Traffic to be maintained utilizing stage construction.
No salvage.

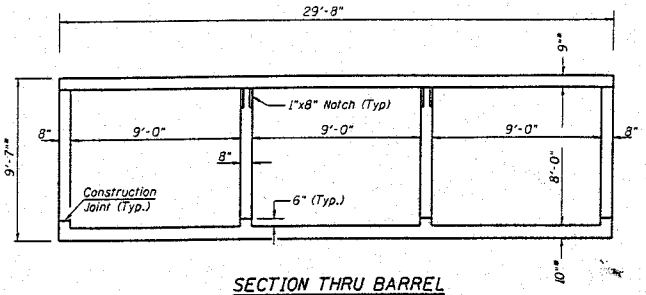


LONGITUDINAL SECTION

(Dimensions at Rt L's)
(Looking South)

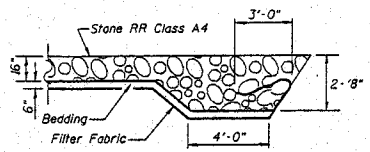


DETAIL A

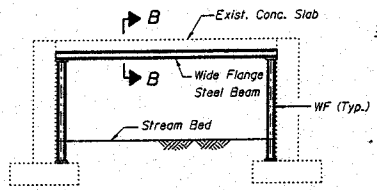


SECTION THRU BARREL

* To be refined during final design.

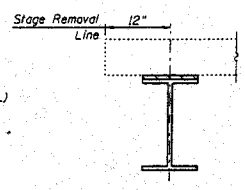


SECTION A-A

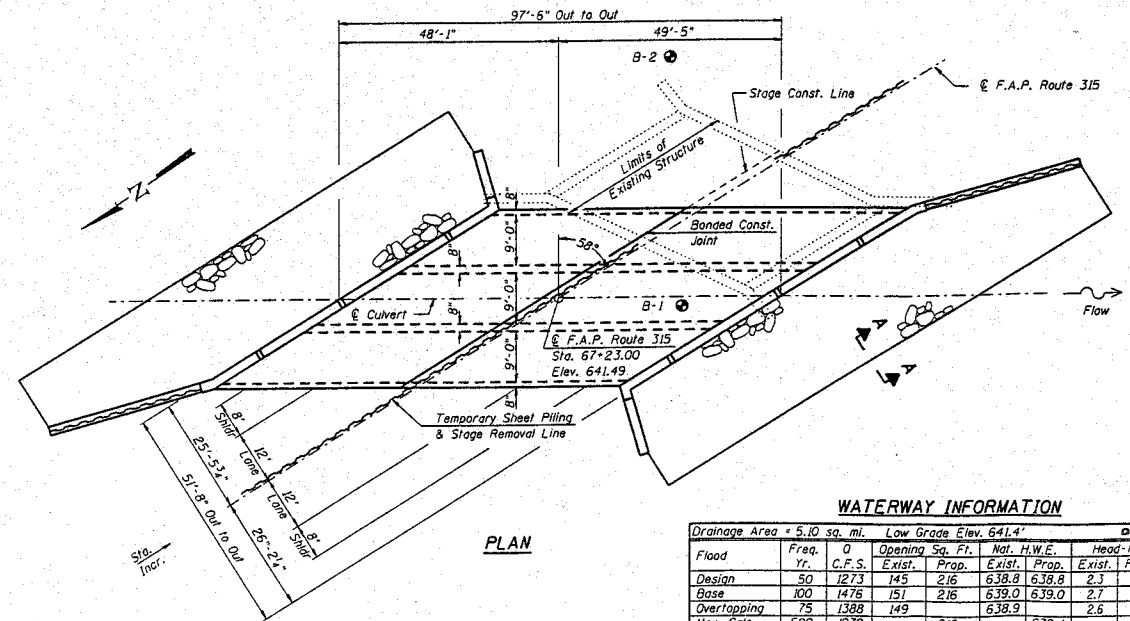


ELEVATION - TEMPORARY SUPPORT SYSTEM

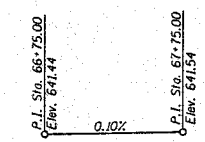
(Place Temporary Support prior to Stage I Removal)



SECTION B-B

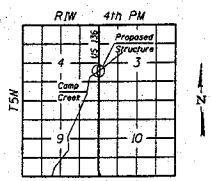


PLAN



PROPOSED PROFILE GRADE

F.A.P. Route 315 (US Route 136)
Along ℄ of Road



LOCATION SKETCH

DESIGN SPECIFICATIONS

2002 AASHTO Specifications

DESIGN STRESSES

f'_c = 3,500 psi
f_y = 60,000 psi (Reinforcement)

LOADING HS20-44

Allow 50 lb/sq. ft for future wearing surface

HIGHWAY CLASSIFICATION

F.A.P. Route 315 - US Route 136
Section (108B)BR-1
ADT: 2900 (1999); 3569 (2019)
Function Class: Other Principal Arterial (Non-Urban)
Design Speed: 55 MPH

WATERWAY INFORMATION

Drainage Area = 5.10 sq. mi. Low Grade Elev. 641.4' ⊥Sta. 33+300

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft. Exist.	Opening Sq. Ft. Prop.	Nat. H.W.E. Exist.	Nat. H.W.E. Prop.	Head-Ft. Exist.	Head-Ft. Prop.	Headwater El. Exist.	Headwater El. Prop.
Design	50	1273	145	216	638.8	638.8	2.3	0.7	641.1	639.5
Base	100	1476	151	216	639.0	639.0	2.7	1.0	641.7	640.0
Overtopping	75	1388	149		638.9		2.6		641.5	
Max. Calc.	500	1970		216		639.4		1.9		641.3

REVISIONS NAME	DATE

Designed By: TTL | Checked By: PDL | Drawn By: JKD
Date: 1/03 | File: TSL.DGN

ILLINOIS DEPARTMENT OF TRANSPORTATION

GENERAL PLAN
F.A.P. RTE 315 (U.S. ROUTE 136)
OVER CAMP CREEK
SECTION (108B)BR-1
McDONOUGH COUNTY
STA. 67+23.00
STRUCTURE NO. 055-2004

APPROVED
AS A BASIS FOR
PREPARATION OF DETAILED PLANS

APR 05 2004