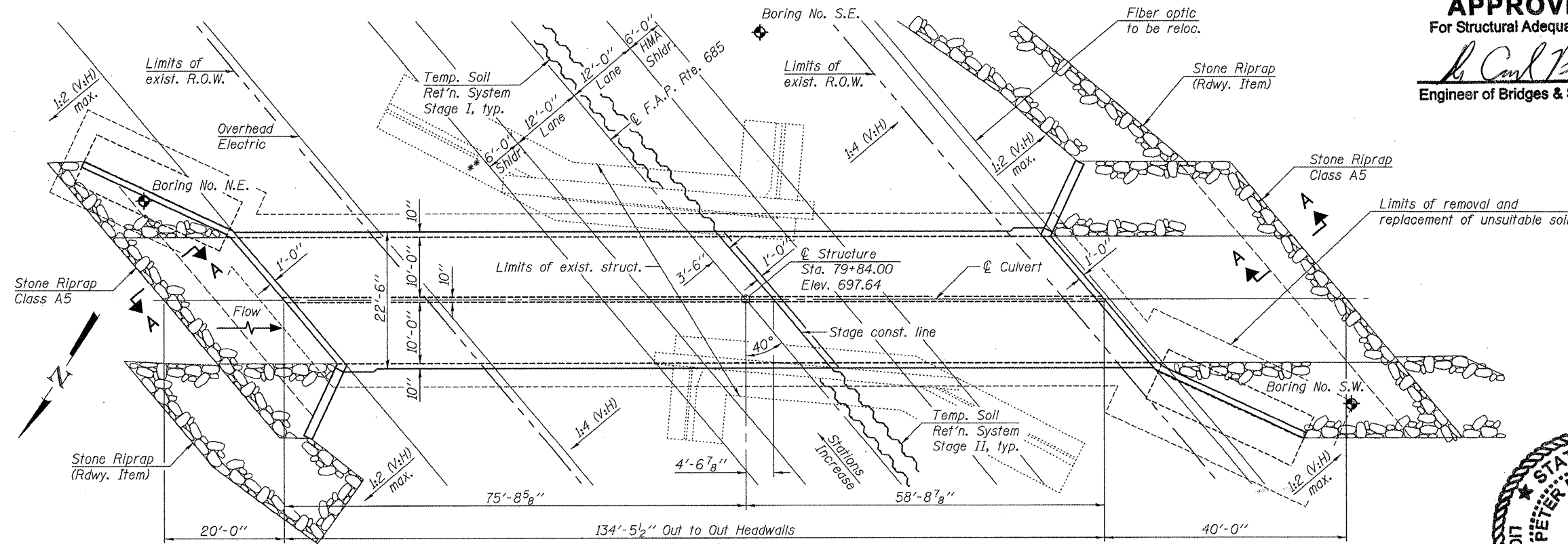
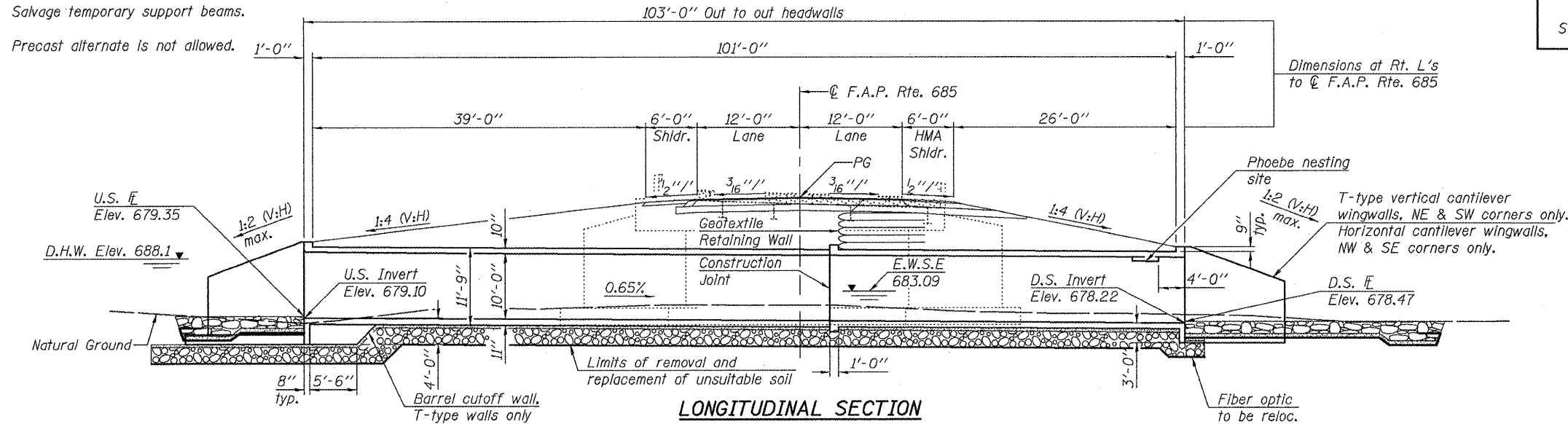


Bench Mark: Chiseled "□" on the Northeast corner of the E. beamseat on S.N. 055-0012, Elev. = 698.72.

Existing Structure: S.N. 055-0012 was built in 1928 as S.B.I. Rt. 95, Section 118B, and reconstructed in 1977 under F.A. Route 82, Section 118BR-1. In 2008, temporary support beams were placed under Beams 3, 5, 8 & 11. The existing structure consists of one span, PPC-Deck Beams, 38'-2" long, 33'-0" wide out-to-out, and 45 degree skew. The substructure consists of closed reinforced concrete abutments founded on untreated timber piles with attached wingwalls. Structure carries IL 9 over Little Creek. The existing pavement is two 12' lanes with 5' shoulders. Stage construction shall be used during construction.

Salvage temporary support beams.

Precast alternate is not allowed.



WATERWAY INFORMATION

Drainage Area = 4.25 Sq. Mi. Low Grade Elev. 692.10 @ Sta. 77+00.00

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Nat. Head - Ft.		Headwater El.		
			Exist.	Prop.	H.W.E. Exist.	Prop.	Exist.	Prop.	
Design	10	1,520	126	180	687.4	0.7	0.1	687.9	687.5
Base	50	1,770	145	192	688.7	2.0	0.7	690.2	689.4
Max. Calc.	100	2,390	154	200	689.4	2.7	2.2	691.3	691.6

DESIGN SCOUR ELEVATION TABLE

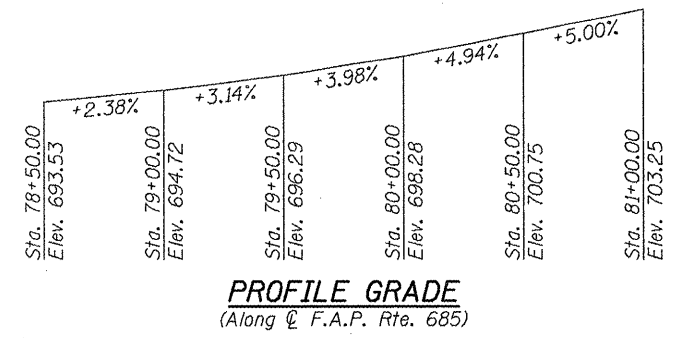
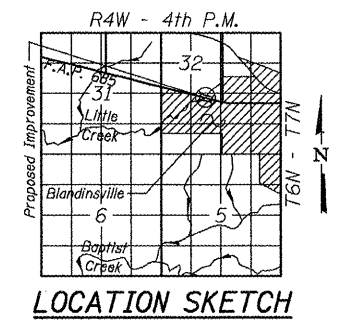
** 1'-0" HMA 5'-0" Agg.

Design Scour Elevation (ft.)	D.S. Invert	U.S. Invert
	674.22	675.10

Notes:
 Stage construction details shown on sheet 3 and sheets 5 & 6 of 14.
 Replacement of unsuitable material shall consist of 6" Porous Granular Embankment (CA7 or CA11), with the remainder rockfill placed on top of Filter Fabric.

STATION 79+84.00
 BUILT 20__ BY
 STATE OF ILLINOIS
 F.A.P. RT. 685 SEC. (118B)BR-1
 LOADING HS-20
 STRUCTURE NO. 055-2008

NAME PLATE
 See Std. 515001



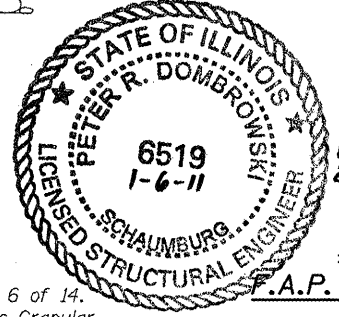
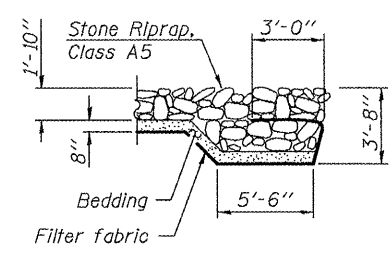
APPROVED
 For Structural Adequacy Only

Peter R. Dombrowski
 Engineer of Bridges & Structures

LOADING HS-20
 Allow 50#/sq. ft. for future wearing surface.

DESIGN SPECIFICATIONS
 2002 AASHTO

DESIGN STRESSES
FIELD UNITS
 f'c = 3,500 psi
 fy = 60,000 psi (Reinforcement)



SECTION A-A

Peter R. Dombrowski
 Expires 11-30-2012

GENERAL PLAN
IL 9 OVER LITTLE CREEK
F.A.P. RTE. 685 - SECTION (118B)BR-1
MCDONOUGH COUNTY
STA. 79+84.00
STRUCTURE NO. 055-2008



USER NAME = #USER#	DESIGNED - PRD	REVISED -
PLOT SCALE = 1:81,666.67	CHECKED - AWW	REVISED -
PLOT DATE = 1/6/2011	DRAWN - DJW	REVISED -
	CHECKED - AWW	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN

SHEET NO. 1 OF 14 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
685	(118B)BR-1	MCDONOUGH	43	14

CONTRACT NO. 68662

ILLINOIS FED. AID PROJECT