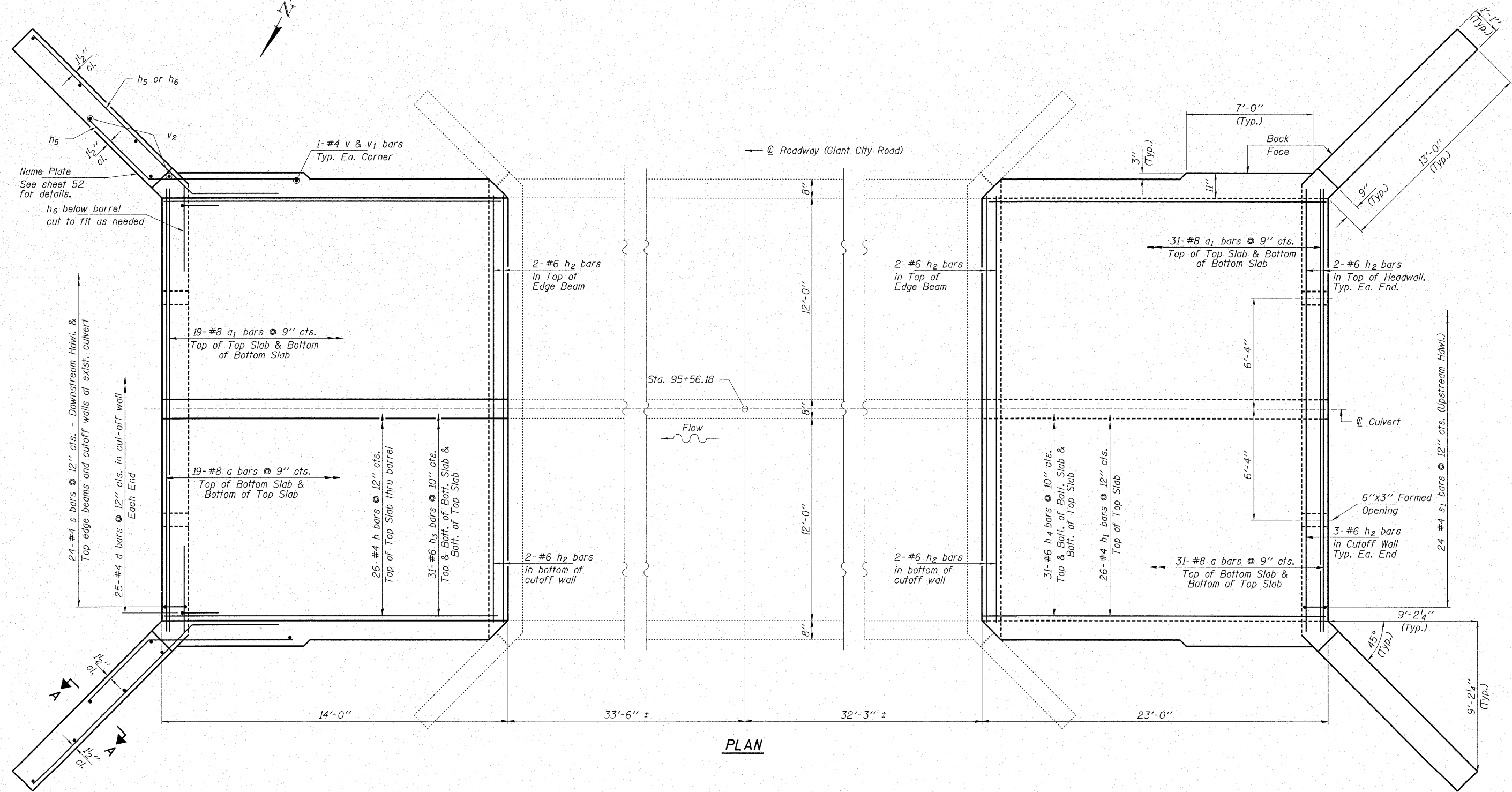


ROUTE NO. FAU 9713	SECTION 99-02118 -00-FP	COUNTY JACKSON	TOTAL SHEETS 122	SHEET NO. 50
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT-	
CONTRACT NO. 99219				



**PLAN**

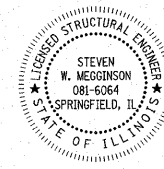
**NOTES**

Exposed edges shall be beveled 3/4".  
 Reinforcement Bars shall conform to the requirements of AASHTO M-31 or M-322, Grade 60.  
 All bars shall be epoxy coated.  
 For Section A-A see Sheet 51.  
 All construction joints shall be bonded.  
 A distance of half the length of the wingwall but not less than six feet of the barrel shall be poured monolithically with the wingwalls.  
 The Contractor shall be responsible for dewatering and diversion of flows during construction of the extension.  
 Dewatering and flow diversion will not be paid for separately.  
 The cost shall be included in Concrete Box Culverts.

**LOADING HS 20-44**  
**DESIGN STRESSES**  
 $f'_c = 3,500$  psi  
 $f_y = 60,000$  psi (Reinf.)  
**DESIGN SPECIFICATIONS**  
 2002 AASHTO  
 & all applicable interims

I certify that to the best of my knowledge, information and belief, this culvert design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with requirements of the current "AASHTO Standard Specifications for Highway Bridges".

*Steven W. Meigs* 4/4/07  
 ILLINOIS STRUCTURAL NO. 6064



Expires 11-30-08

**HAMPTON, LENZINI & RENWICK, INC.**  
 CIVIL & STRUCTURAL ENGINEERS

**HLR**

3085 STEVENSON DRIVE, SUITE 201  
 SPRINGFIELD, ILLINOIS 62703  
 (217) 546-3400

ELGIN • SPRINGFIELD

PROJECT NUMBER: 03-47-0001-1 DATE: 09/28/06  
 DESIGNED: S.W.M. CHECKED: T.P.L. DRAWN: D.S.

**CULVERT DETAILS**  
 SECTION 99-02118-00-FP  
 F.A.U. 9713 / EAST PLEASANT HILL ROAD  
 JACKSON COUNTY  
 STRUCTURE NO. 039-5001 / STATION 95+56.18