

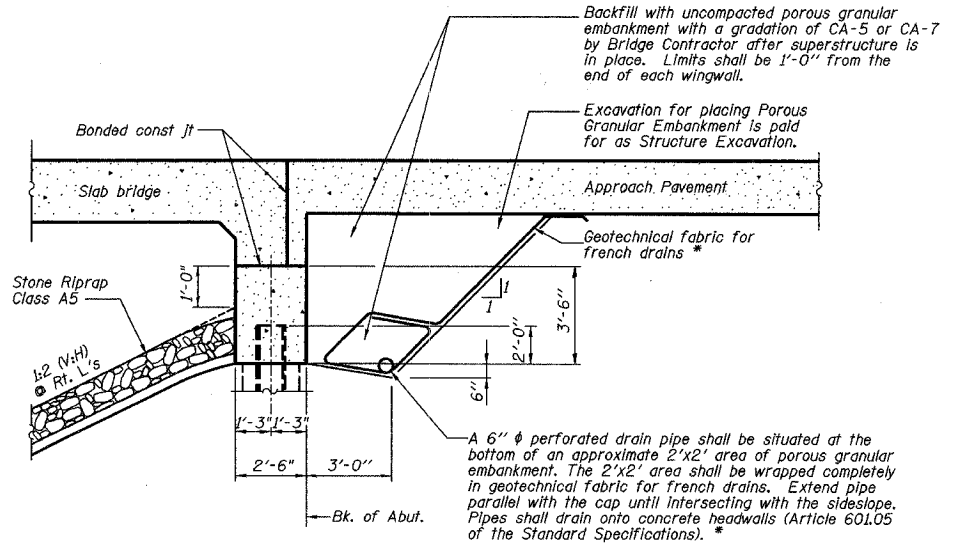
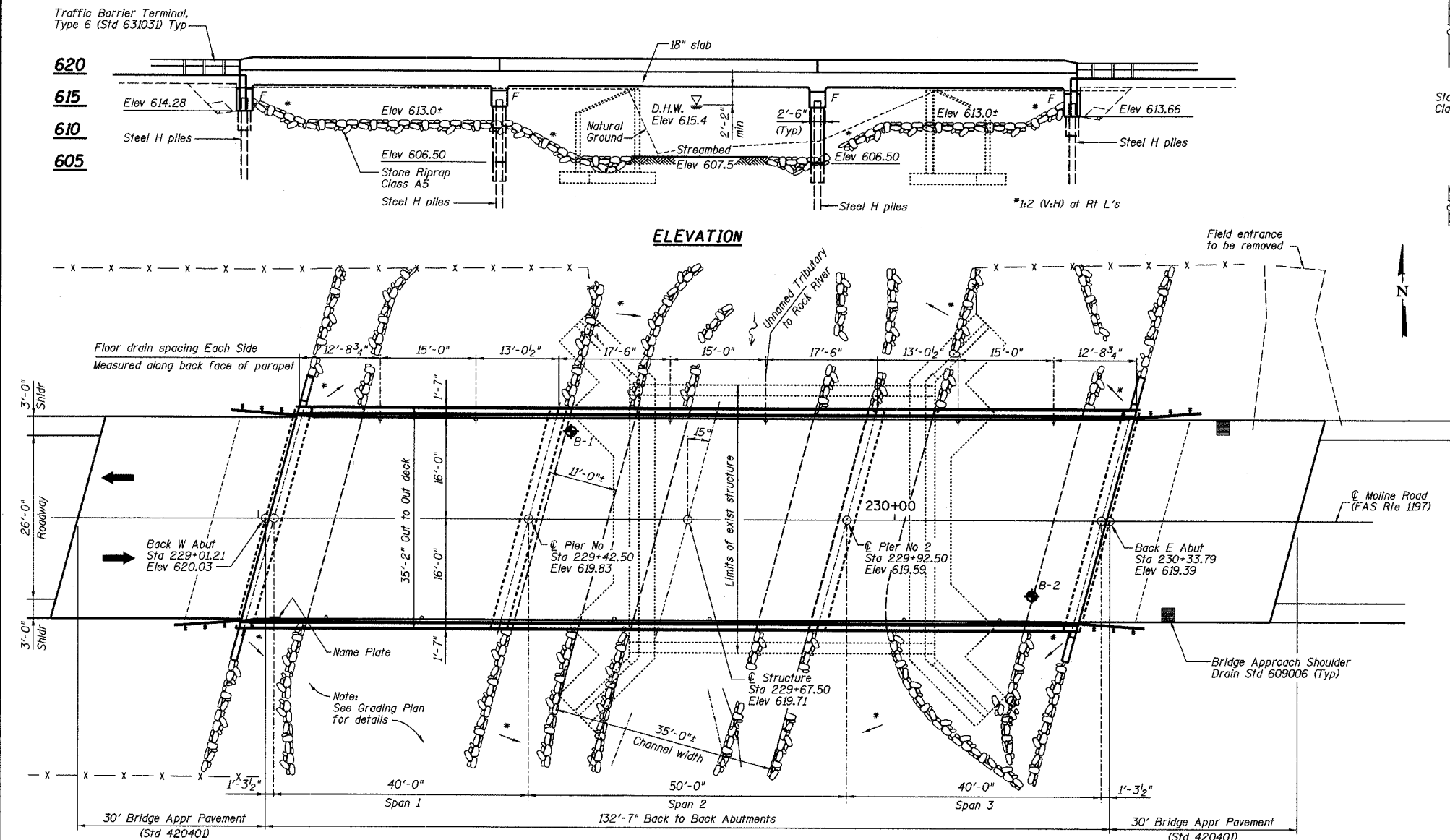
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

Sheet No. 1  
of 11 Sheets

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 1197	105BR-2	WHITESIDE	59	16
FEDERAL DISTRICT		ILLINOIS	PROJECT	
			CONTRACT 64421	

Existing Structure: SN 098-0027  
Single span, cast in place, concrete tee beam bridge, built on timber pile supported closed abutments, 48' back to back abutts and 42'-4" out to out of deck. Contractor shall remove existing structure as required and replace with a 3 span reinforced concrete slab bridge on pile bent piers and abutments. Traffic will be detoured during construction. No salvage.

Bench Mark:  
406 "□" cut on headwall of culvert  
Sta 214+81.2, 28.5' Lt  
Elev 620.58  
407 "□" cut on top of NE wingwall of bridge  
Sta 230+06.6, 22.3' Lt  
Elev 618.83



SECTION THRU INTEGRAL ABUTMENT  
(Horiz. dim. @ Rt. L's)

STATION 229+67.50  
BUILT 20 BY  
STATE OF ILLINOIS  
FAS 1197 SEC 105BR-2  
LOADING HS20  
STR. NO. 098-0110

NAME PLATE  
See Std. 515001

APPROVED  
FOR STRUCTURAL ADEQUACY ONLY  
*Ralph E. Anderson*  
ENGINEER OF BRIDGES AND STRUCTURES

DESIGN SPECIFICATIONS  
2002 AASHTO

LOADING HS20-44

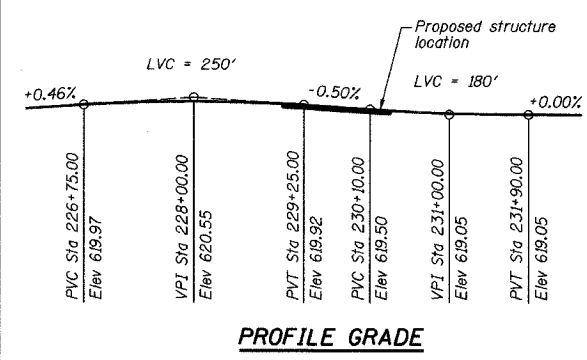
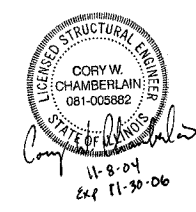
Allow 50#/sq. ft. for future wearing surface.

DESIGN STRESSES

FIELD UNITS  
f'c = 3,500 psi  
fy = 60,000 psi

SEISMIC DATA

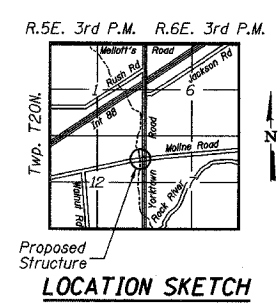
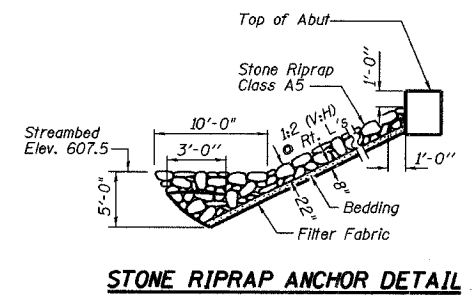
Seismic Performance Category (SPC) = A  
Bedrock Acceleration Coefficient (A) = .034  
Site Coefficient (S) = 1.0



WATERWAY INFORMATION

Drainage Area = 10.95 sq mi

Flood	Freq. Yr.	Opening Sq. Ft.		Head-Ft.		Headwater El.			
		Exist.	Prop.	Exist.	Prop.	Exist.	Prop.		
Design	50	2209	291	489	615.4	1.2	0.0	616.6	615.4
Base	100	2522	291	514	615.6	1.6	0.1	617.2	615.7
Max. Calc.	500	3262	291	567	616.1	2.6	0.4	618.7	616.5



GENERAL PLAN AND ELEVATION

MOLINE ROAD OVER UNNAMED TRIBUTARY TO ROCK RIVER		DRWN BY DATE R King 8/04
FAS ROUTE 1197 SECTION 105BR-2		CHKD BY DATE CWV 8/04
STA 229+67.50 SN 098-0110		DATE BY DATE CWC 8/04
WHITESIDE COUNTY		PROJECT NO. 4858-3
HOMER L. CHASTAIN & ASSOCIATES, LLP CONSULTING ENGINEERS 184-001397		SHEET NO.