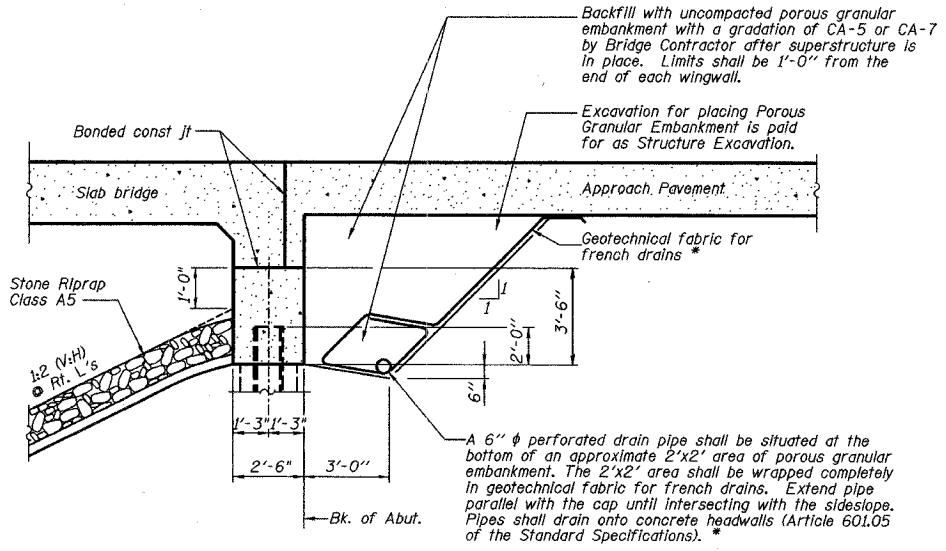
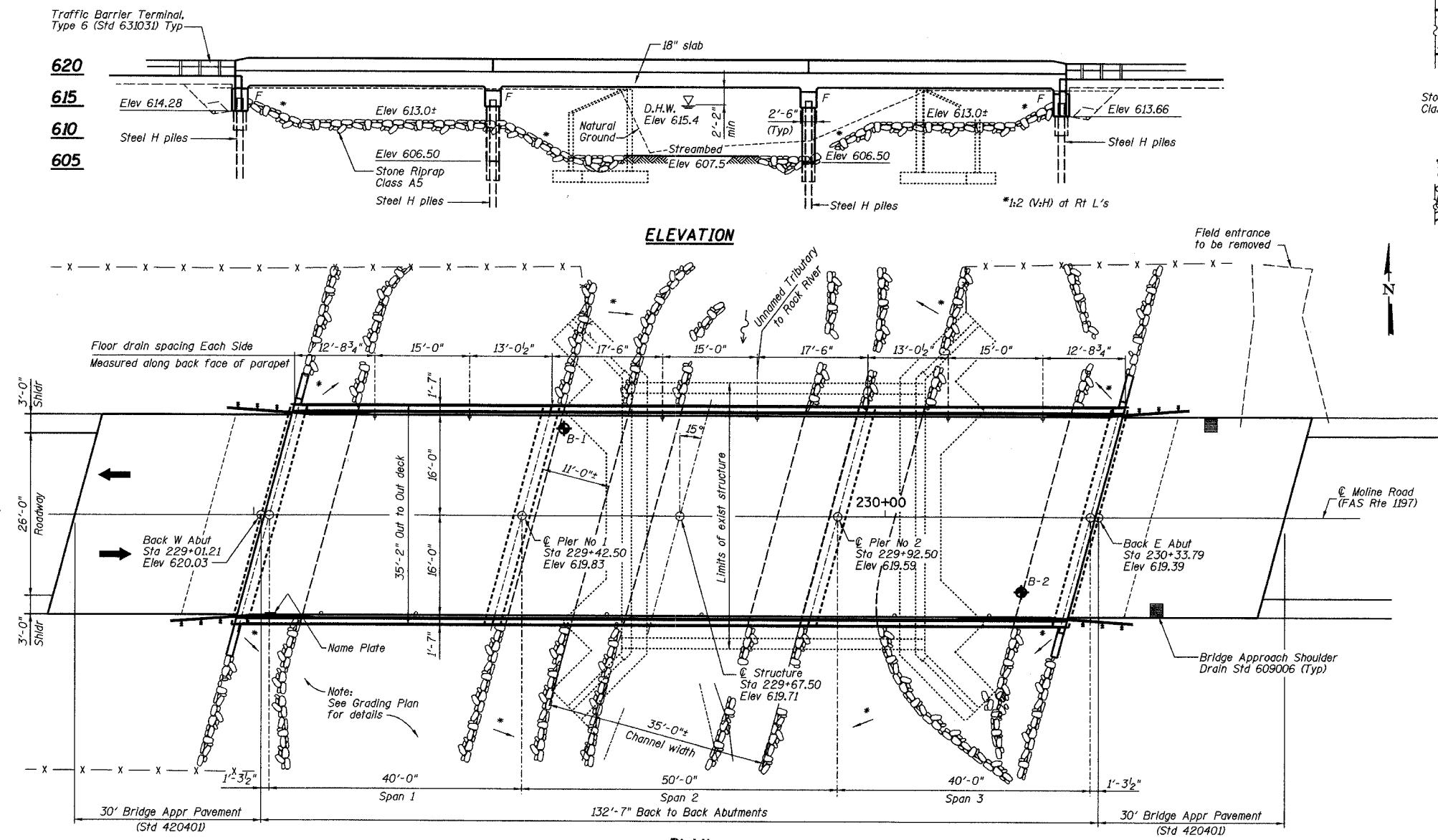


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 1197	105BR-2	WHITESIDE	59	16
FED. ROAD DIST. NO.	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

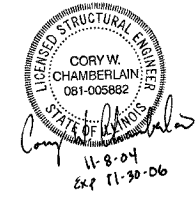
Allow 50#/#sq. ft. for future wearing surface.

DESIGN STRESSES

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

SEISMIC DATA

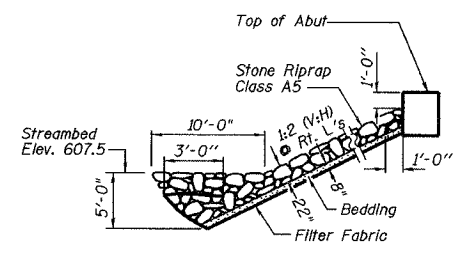
Seismic Performance Category (SPC) = A
Bedrock Acceleration Coefficient (A) = .034
Site Coefficient (S) = 1.0



11-8-04
Exp 11-30-06

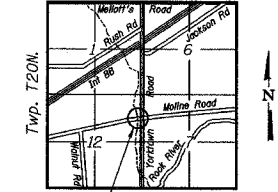
WATERWAY INFORMATION

Drainage Area = 10.95 sq mi		Existing Low Grade Elev. 618.70		Sta. 229+50	
		Proposed Low Grade Elev. 619.00		Sta. 231+00	
Flood Yr.	Q	Opening Sq. Ft.	Nat. H.W.E.	Head-Ft. Exist.	Headwater El. Prop.
10	1459	261	412	614.7	0.4 0.0 615.1 614.7
50	2209	291	489	615.4	1.2 0.0 616.6 615.4
Base	100	2522	291	615.6	1.6 0.1 617.2 615.7
Max. Calc.	500	3262	291	616.1	2.6 0.4 618.7 616.5

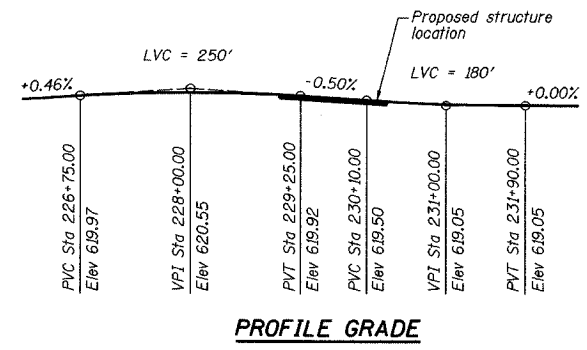


STONE RIPRAP ANCHOR DETAIL

R.5E. 3rd P.M. R.6E. 3rd P.M.



LOCATION SKETCH



PROFILE GRADE

REVISIONS			GENERAL PLAN AND ELEVATION	
No.	DATE	INITIALS	MOLINE ROAD OVER UNNAMED TRIBUTARY TO ROCK RIVER	
1			FAS ROUTE 1197	SECTION 105BR-2
2			STA 229+67.50	SN 098-0110
3			WHITESIDE COUNTY	
4			HOMER L. CHASTAIN & ASSOCIATES, LLP	
5			CONSULTING ENGINEERS	
6			184-001397	
7			PROJECT NO.	4858-3
8			SHEET NO.	