

Benchmark: Chiseled "□" on Northwest wingwall, 18' Rt. Sta. 711+59.42, Elev. 626.58.
 Chiseled "□" on Southeast wingwall, 18.50' Rt. Sta. 714+78.50, Elev. 622.32.

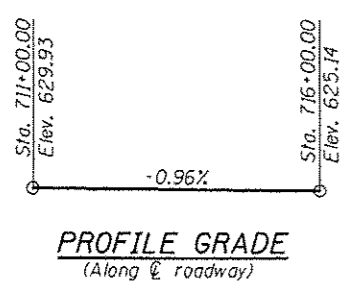
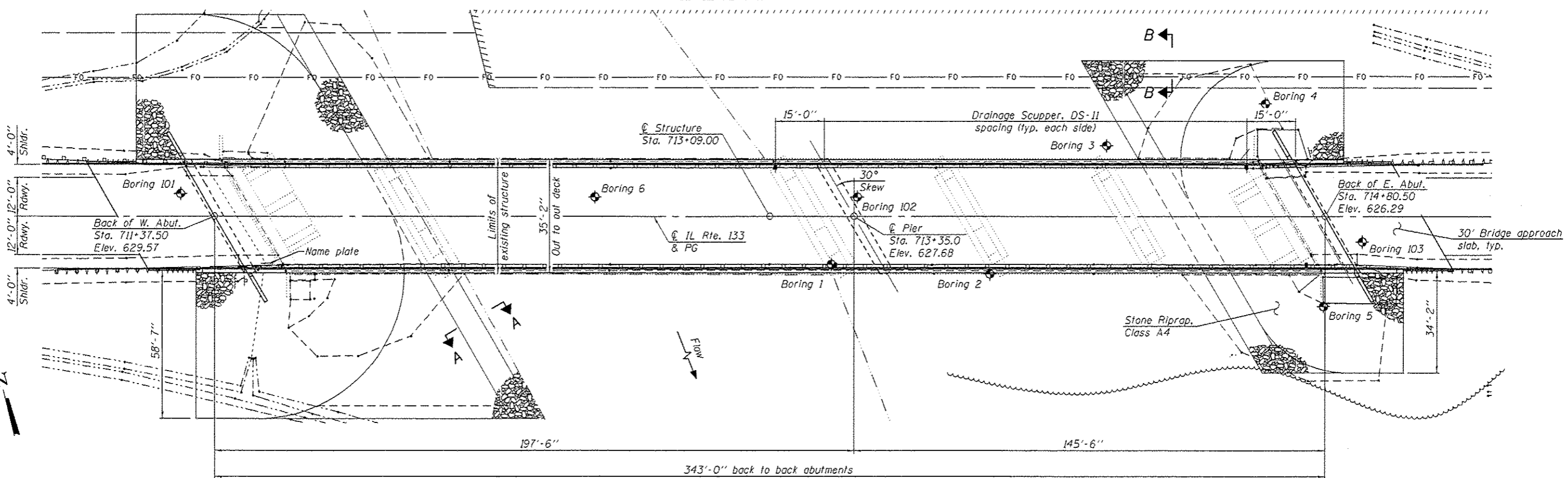
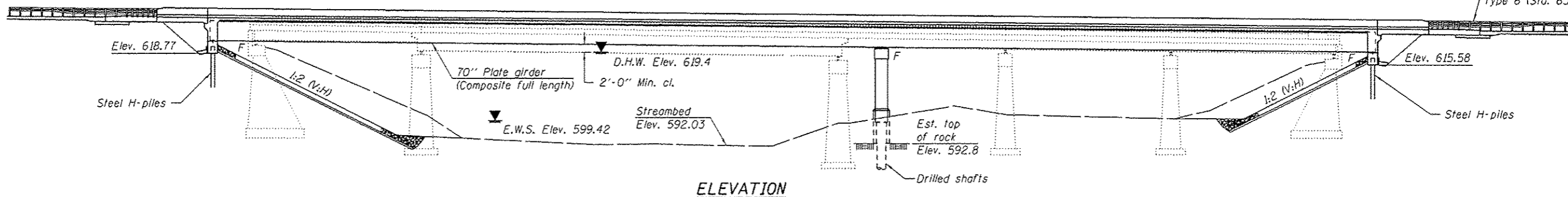
Existing structure: Struct. No. 015-0030 built in 1932 as IL 133 over the Embarras River at Sta. 713+09.57, Sec. (122BR)B-1. The five span structure consisted of one steel truss span at 122'-2 3/4" and 4 R.C. T-beam spans. Abutments and piers supported by untreated timber piles. Superstructure replacement and widening to 36'-0" out to out in 1963 with steel plate girders. Traffic is to be detoured during removal and replacement of existing structure.

No Salvage.

STATION 713+09.00
 BUILT 20 BY
 STATE OF ILLINOIS
 F.A.P. RTE. 749 SEC. (122BR)B-1
 LOADING HL-93
 STRUCTURE NO. 015-0076

NAME PLATE
 See Std. 515001

Traffic Barrier Terminal,
 Type 6 (Std. 63103), typ.

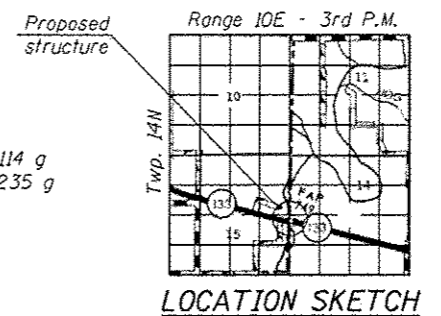


LOADING HL-93
 Allow 50#/sq. ft. for future wearing surface.

DESIGN STRESSES
 FIELD UNITS
 f'c = 3,500 psi
 fy = 60,000 psi (Reinforcement)
 fy = 50,000 psi (Structural steel)

SEISMIC DATA
 Seismic Performance Zone (SPZ) = 1
 Design Spectral Acceleration at 1.0 sec. (S₀₁) = 0.114 g
 Design Spectral Acceleration at 0.2 sec. (S₀₅) = 0.235 g
 Soil Site Class = C

DESIGN SPECIFICATIONS
 2010 AASHTO LFRD Bridge Design Specifications, 5th Edition with 2010 Interims



GENERAL PLAN & ELEVATION
 ILLINOIS ROUTE 133 OVER
 EMBARRAS RIVER
 F.A.P. ROUTE 749 SEC. (122BR)B-1
 COLES COUNTY
 STATION 713+09.00
 STRUCTURE NO. 015-0076

DESIGNED - <i>[Signature]</i>	EXAMINED - <i>[Signature]</i>	DATE - 10/16/2014	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	F.A.P. RTE. 749	SECTION (122BR)B-1	COUNTY COLES	TOTAL SHEETS 60	SHEET NO. 18	
CHECKED - <i>[Signature]</i>	PASSED - <i>[Signature]</i>	REVISED		SHEET NO. 1 OF 31 SHEETS	CONTRACT NO. 74350				
DRAWN - h.f. duong	ACTING ENGINEER OF BRIDGE DESIGN	REVISED		ILLINOIS FED. AID PROJECT					
CHECKED - <i>[Signature]</i>	ACTING ENGINEER OF BRIDGES AND STRUCTURES	REVISED							