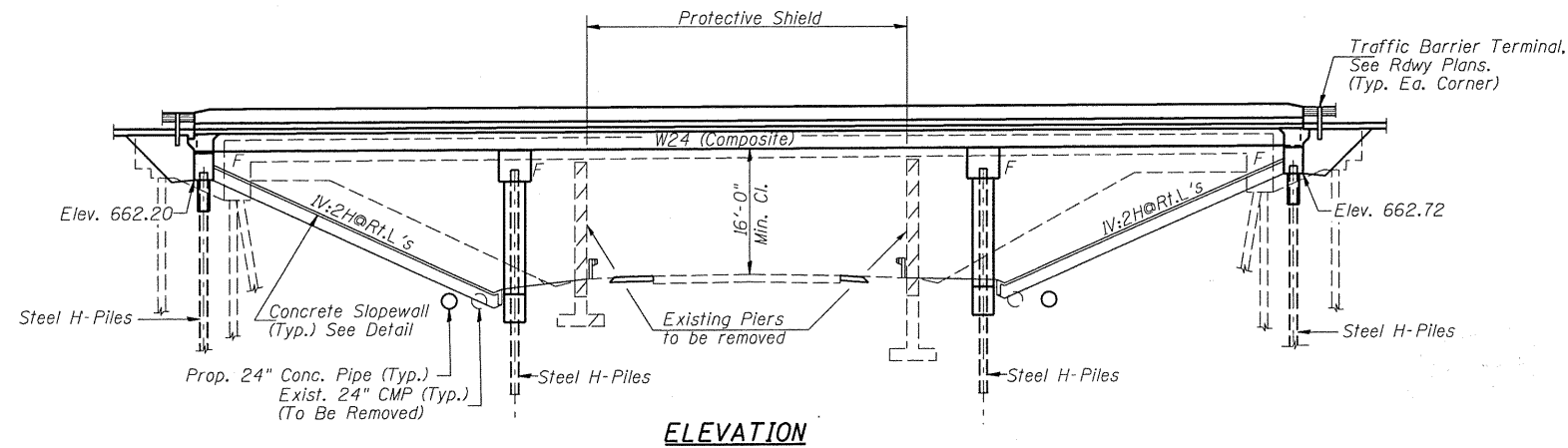


BM: - Chiseled "X" in top bolt of flange of fire hyd. at S.E. cor. Mound Rd. and Stevenson Drive. Sta. 94+31.88, 39.50' Rt., Elev. 667.09

Existing Structure: - S.N. 069-0031 Built in 1960 as F.A. Route 92, Section 69HB at Station 111+26. Structure has 3 span WF beams on pile bent spill-thru abutments and Double Hammerhead piers on spread footings, 137'-9" Bk. to Bk. abutments, 35'-8" O. to O. deck, and on 18°-54' skew Lt. Structure to be removed and replaced, Mound Road will be closed to traffic during construction. Traffic on Route 104 will be maintained.

No Salvage

ROUTE NO.	SEC.	COUNTY	SHEET	
FAU 8173	*	MORGAN	63	29
FED. ROAD DIST. NO. 1	ILLINOIS	PROJECT		
		*(69-HB)BR		CONTRACT NO. 72837

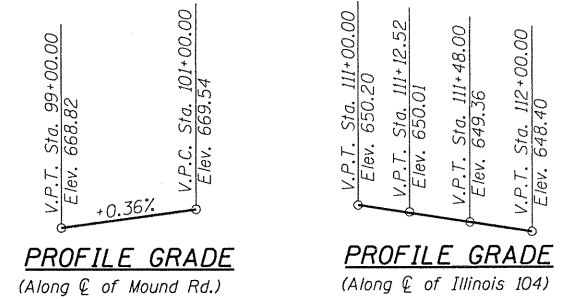
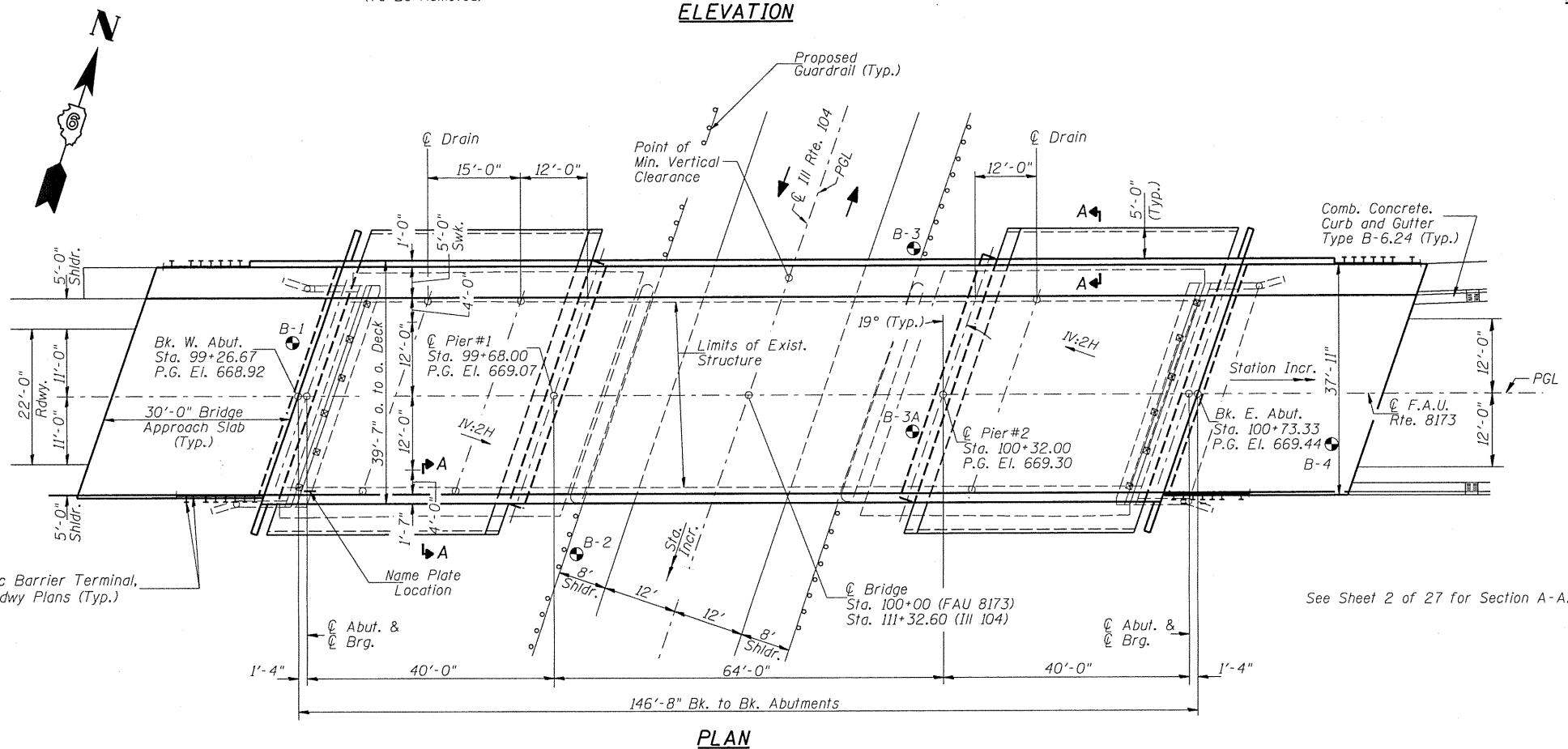


STATION 100+00.00  
BUILT 20 BY  
STATE OF ILLINOIS  
F.A.U. RT. 8173 SEC. (69-HB)BR  
LOADING HS20  
STR. NO. 069-0521

NAME PLATE  
(See Std. 515001)

**INDEX TO SHEETS**

SHEET #'s	DESCRIPTION
1	General Plan
2	General Notes & Bill of Materials
3	Footings Layout Plan
4-6	Top of Slab Elevations
7-8	Top of Approach Slab Elevations
9	Superstructure
10-11	Superstructure Details
12	Diaphragm Details
13	Aluminum Railing, Type L
14	Structural Steel Details
15	Bearing Details
16	West Abutment
17	East Abutment
18	Pier #1
19	Pier #2
19A-19B	Approach Slab Details
20	Steel Pile Details
21	Bar Splicer Assembly Details
22	Cantilever Farming Bracket
23-27	Soil Boring Logs



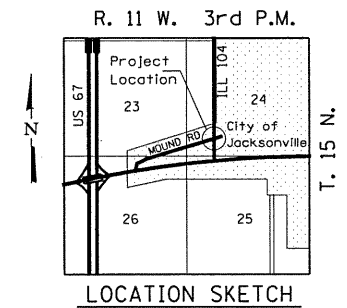
**APPROVED**  
For Structural Adequacy Only  
*Ralph E. Anderson (TD)*  
Engineer of Bridges & Structures

DESIGNED	JOH
CHECKED	BAN
DRAWN	TC
CHECKED	BAN

**LOADING HS20-44**  
Allow 50#/sq. ft. for future wearing surface.  
**DESIGN SPECIFICATIONS**  
2002 AASHTO

**DESIGN STRESSES**  
FIELD UNITS  
f<sub>c</sub> = 3,500 psi  
f<sub>y</sub> = 60,000 psi (reinforcement)  
f<sub>y</sub> = 50,000 psi (M270 Grade 50)  
f<sub>y</sub> = 36,000 psi (M270 Grade 36)  
**SEISMIC DATA**  
Seismic Performance Category (SPC) = A  
Bedrock Acceleration Coefficient (A) = 0.05  
Site Coefficient (S) = 1.0

BENJAMIN A. NEEBE  
Professional Engineer  
No. 081-005527  
Lic. Exp. 11/30/2012



**GENERAL PLAN**  
MOUND ROAD (FAU ROUTE 8173)  
OVER ILLINOIS ROUTE 104  
SECTION (69-HB)BR  
MORGAN COUNTY  
STATION 100+00.00  
STRUCTURE NO. 069-0521  
HUTCHISON ENGINEERING, INC.  
JACKSONVILLE, ILLINOIS  
Date: 10/18/10