

Bench Mark: TBM MWS - Chiseled square of drop inlet. Station 410+16.
Offset ±35' North. Elev. 777.916

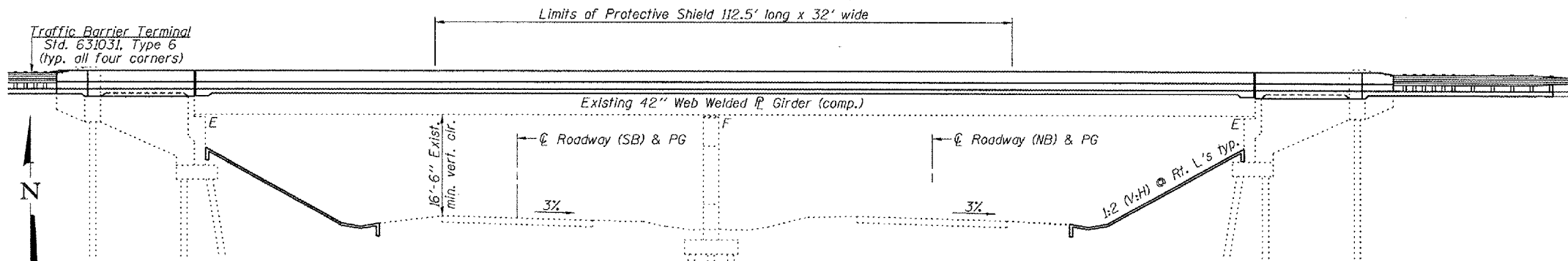
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET	SHEET NO. 1
F.A.P. 313	18-HB	KNOX	70 24	23 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

Contract #68190

Existing Structure: S.N. 048-0069, originally built in 1971 as T.R. 169, Section 18HB. The existing structure is a two span composite plate girder supported on sand filled vaulted abutments and a trapezoidal pier supported pier. The total structure length is 205'-0" back to back of approach bents with an out to bridge width of 32'-0". Traffic to be detoured during construction.

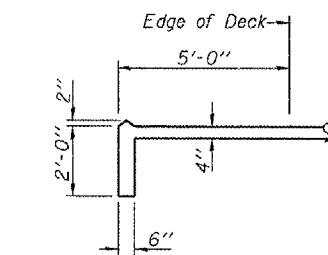
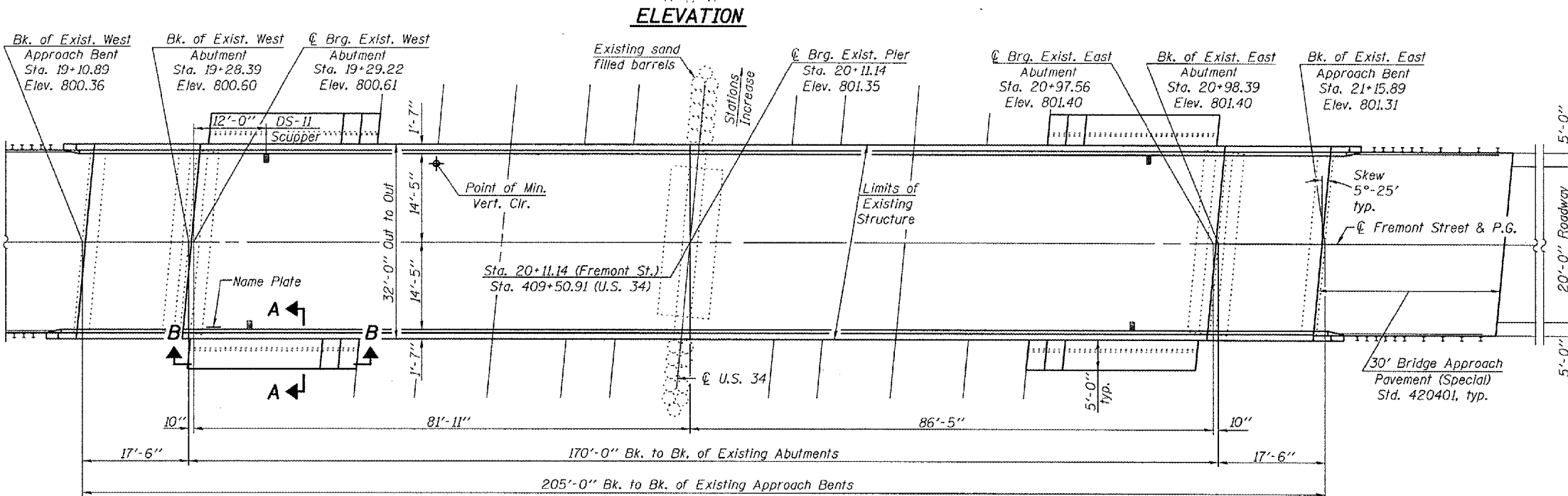
No Salvage



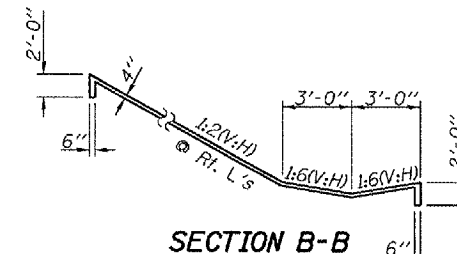
STATION 20+11.14
RE-BUILT 200 BY
STATE OF ILLINOIS
F.A.P. RTE. 313 - SEC. 18-HB
LOADING HS20-44
STR. NO. 048-0069

NAME PLATE

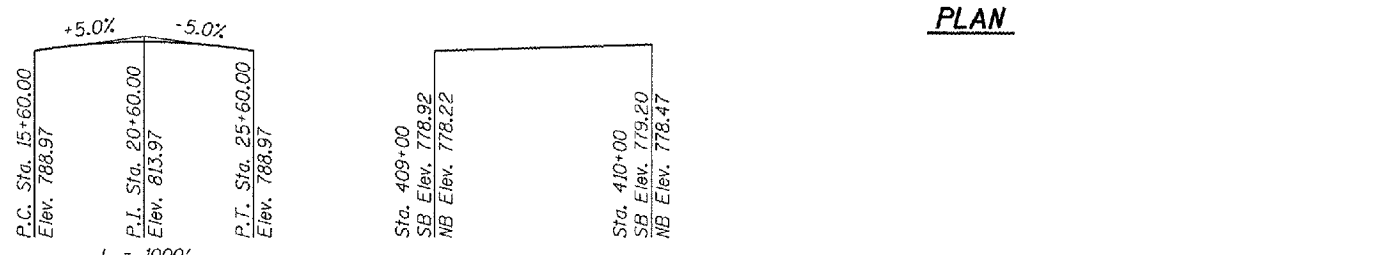
See Std. 515001
Existing name plate shall be cleaned and placed next to the new name plate. Cost included in "Name Plates".



SECTION A-A

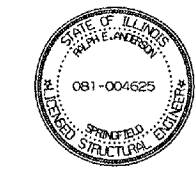


SECTION B-B



DESIGNED *Stephan M. Brown*
CHECKED *[Signature]*
DRAWN **R. Sommer**
CHECKED **SMR SEM**

EXAMINED *Thomas J. J. [Signature]*
PASSED *[Signature]*
ENGINEER OF BRIDGES AND STRUCTURES



EXPIRES 11-30-2008

LOADING HS-20-44

Allow 25#/sq. ft. for future wearing surface.

DESIGN SPECIFICATIONS

2002 AASHTO

DESIGN STRESSES

FIELD UNITS

New Construction

$f'_c = 3,500$ psi

$f_y = 60,000$ psi (reinforcement)

$f_y = 36,000$ psi (AASHTO M270 Grade 36 Structural Steel)

Existing Construction

$f'_c = 3,500$ psi

$f_y = 40,000$ psi (reinforcement)

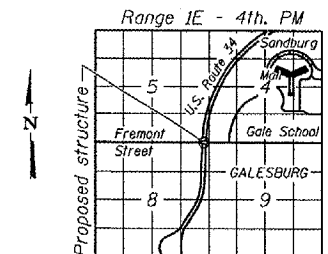
$f_y = 36,000$ psi (Structural Steel)

SEISMIC DATA

Seismic Performance Category (SPC) = A

Bedrock Acceleration Coefficient (A) = 0.04g

Site Coefficient (S) = 1.2



LOCATION SKETCH

GENERAL PLAN & ELEVATION
FREMONT STREET OVER U.S. RTE. 34
F.A.P. RT. 313 SECTION 18-HB
KNOX COUNTY
STATION 20+11.14
STRUCTURE NO. 048-0069