

Bench Mark:

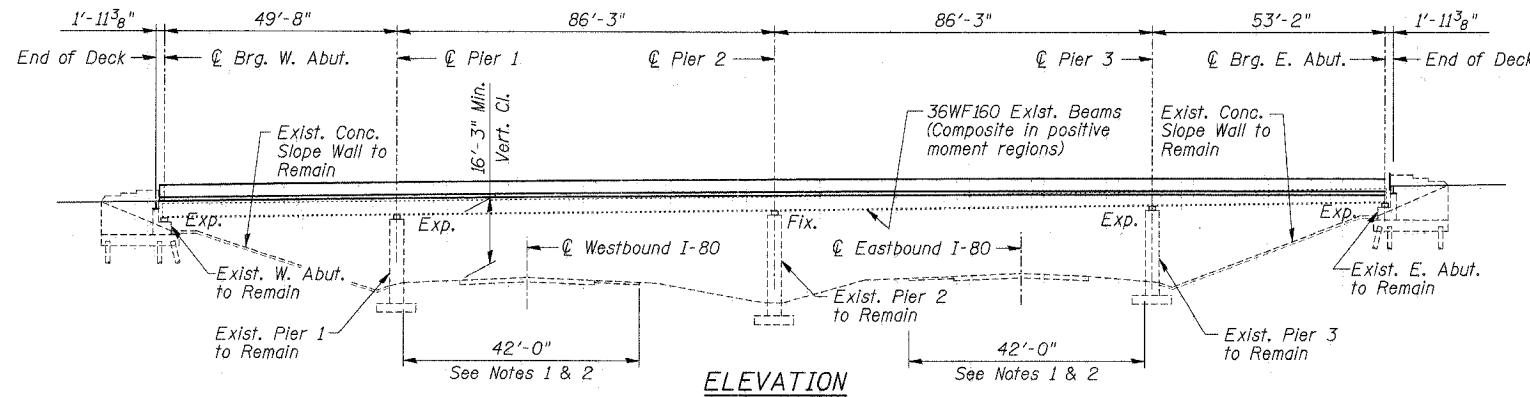
TBM 2 Station 97+67.34, 33.44' Rt. Elev. 667.18
Concrete Monument with Brass Cap marked F 192,
1959 Coast & Geodetic Survey Witness Monument,
31.0' southeast of the last wood post of north end of
guardrail; 7.9' west of concrete right of way post.

Existing Structure:

No. 006-0116. Built as F.A.S. 244 (Backbone Rd.)
grade separation over I-80 in 1963.
Consists of 4 spans of continuous non-composite
wide flange beams, 280'-6" Bk. to Bk. Abutments,
31'-8" Out to Out, 6" thick concrete deck. Supported
on pile bent abutments & 3 piers.

Backbone Rd. will be closed during construction.
Detour will not be provided.

Salvage existing protective shielding.



LOADING HS20

DESIGN SPECIFICATIONS
2002 AASHTO

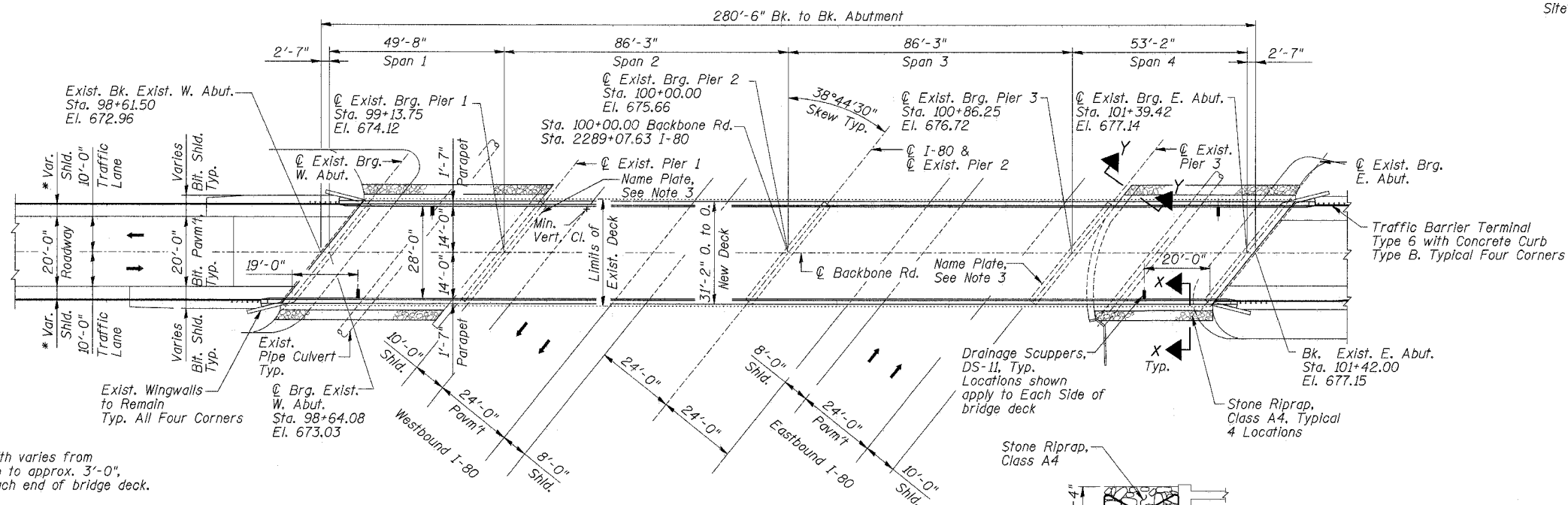
DESIGN STRESSES

FIELD UNITS

- $f'_c = 3,500$ psi
- $f_y = 60,000$ psi (Proposed reinforcement)
- $f_y = 40,000$ psi (Exst. reinforcement)
- $f_y = 36,000$ psi (Exst. structural steel)

SEISMIC DATA

Seismic Performance Category (SPC) = A
Bedrock Acceleration Coefficient (A) = 0.04g
Site Coefficient (S) = 1.0



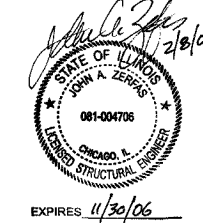
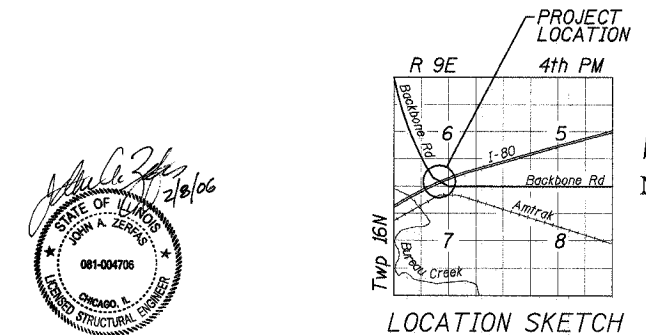
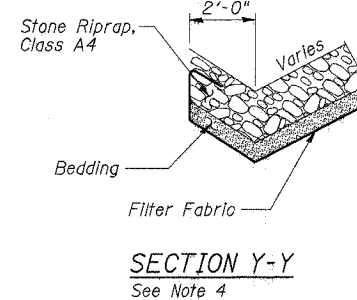
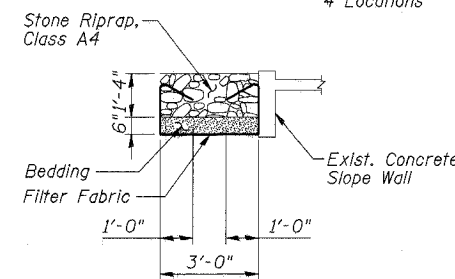
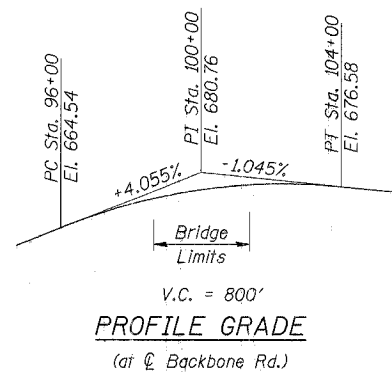
* Shoulder width varies from 4'-0" @ bridge to approx. 3'-0", at 30' from each end of bridge deck.

SCOPE OF WORK

1. Remove existing deck.
2. Install stud shear connectors in positive moment areas of existing beam lines.
3. Replace Deck.
4. Modify Wingwalls

NOTES

1. Limits of protective shielding shown in the elevation view are at right angles to ϕ of I-80.
2. Remove existing protective shielding and replace with suitable protective shielding prior to deck removal. The removed existing protective shielding shall be delivered to the Illinois Department of Transportation - at West Yard on 4th Street in Dixon, IL. Please contact Bob Everly for the Illinois Department of Transportation at (815) 284-5406 for delivery instructions. Cost of removal shall be included with Protective Shield.
3. Provide new Name Plates directly above existing name plates. Fasten to existing piers by means of four brass or bronze bolts with countersunk heads.
4. The cost of the excavation for the riprap and bedding shall be included with Stone Riprap, Class A4.



APPROVED
FOR STRUCTURAL ADEQUACY ONLY

Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

GENERAL PLAN
BACKBONE ROAD OVER I-80
F.A.I. ROUTE 80
SECTION (06-4HB-1D)
BUREAU COUNTY
STATION 2289+07.63 (F.A.I. 80)
S.N. 006-0116

DATE: 2/07/06
GRAEF, ANHALT, SCHLOEMER & ASSOCIATES INC
CHICAGO, ILLINOIS

STATION 2289+07.63
REBUILT 200... BY
STATE OF ILLINOIS
F.A.I. RT. 80 SEC. (06-4HB-1D)
LOADING HS20
STR. NO. 006-0116

NAME PLATE
See Std. 515001

DESIGNED	D.F.W.
CHECKED	J.A.Z.
DRAWN	E.B.
CHECKED	D.F.W.