

Benchmark: Chiseled "□" top of Northwest wingwall of SN 006-0007 Sta. 202+13.94, 24.95' Rt. Elev. = 637.37

Existing Structures: SN 006-0007 (EB) and SN 006-0008 (WB) Built in 1963 as F.A.I. 80, Section 06-1B-3, at Sta. 202+80. Existing Superstructure consists of steel I-Beams and 7" concrete deck with a bituminous waterproof membrane overlay. The Substructure consists of reinforced concrete spill-thru abutments supported by concrete piles and reinforced concrete piers supported by a spread footing and timber piles. 140'-4" Bk. to Bk. abutments, 43'-8" out-to-out deck. Concrete deck to be removed and replaced using stage construction.

No Salvage.

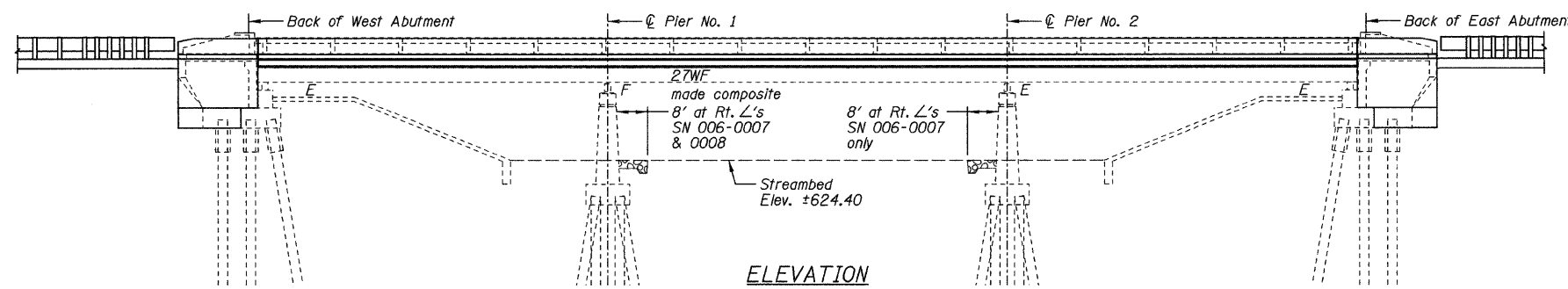
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

See sheet 2 of 25 for Index of Bridge Plans, Total Bill of Materials and General Notes

See sheet 2 of 25 for Section A-A

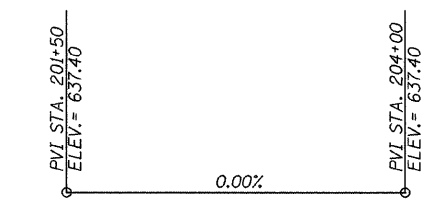
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 1
F.A.I. 80	*	BUREAU	116	50	29 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-			

Contract #66623  
\* (06-1, 2)RS-3, I



STATION 202+80  
RE-BUILT BY  
STATE OF ILLINOIS  
F.A.I. 80 SEC. (06-1, 2)RS-3, I  
LOADING HS-20-44  
STR. NO. 006-

**NAME PLATE**  
See Std. 515001



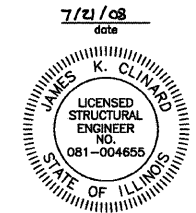
PROPOSED PROFILE SN 006-0007  
AND SN 006-0008  
(I-80 EBL AND WBL)

**SCOPE OF WORK**

1. Remove and replace existing concrete deck.
2. Epoxy crack injection of cracks on the piers and abutment walls and seats.
3. Jack and remove existing bearings at the abutments to install new elastomeric bearings.
4. Structural repair of concrete at all appropriate areas on the abutments.
5. Remove and replace anchor bolt on bearings 12 and 18 on Pier 1 for SN 006-0007.
6. Place stone riprap in the channel on the east side of Pier 1 and the west side of Pier 2 to stop scouring at SN 006-0007.
7. Remove and replace expansion joints with strip seal joints.
8. Place stone riprap in the channel on the east side of Pier 1 for SN 006-0008.
9. Remove and replace wingwalls.
10. Beams are to be composite in positive moment regions.

APPROVED  
FOR STRUCTURAL ADEQUACY ONLY

Ralph E. Anderson  
ENGINEER OF BRIDGES AND STRUCTURES



LOADING HS20-44 & ALT. MIL. LOAD (New Const.)

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

DESIGN SPECIFICATIONS (New Const.)

2002 AASHTO

DESIGN STRESSES

FIELD UNITS (New construction)

$f'_c = 3,500$  psi

$f_y = 60,000$  psi (reinforcement)

FIELD UNITS (Exist. construction)

$f'_c = 3,500$  psi

$f_y = 40,000$  psi (reinforcement)

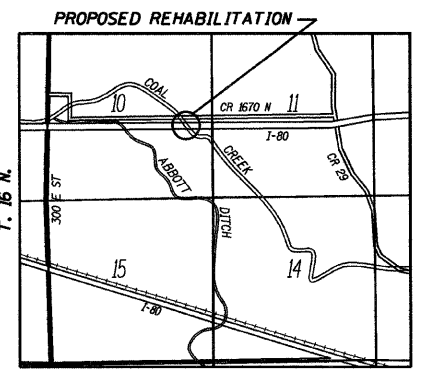
$f_y = 33,000$  psi (structural steel)

SEISMIC DATA

S.P.C. A

A = 0.04

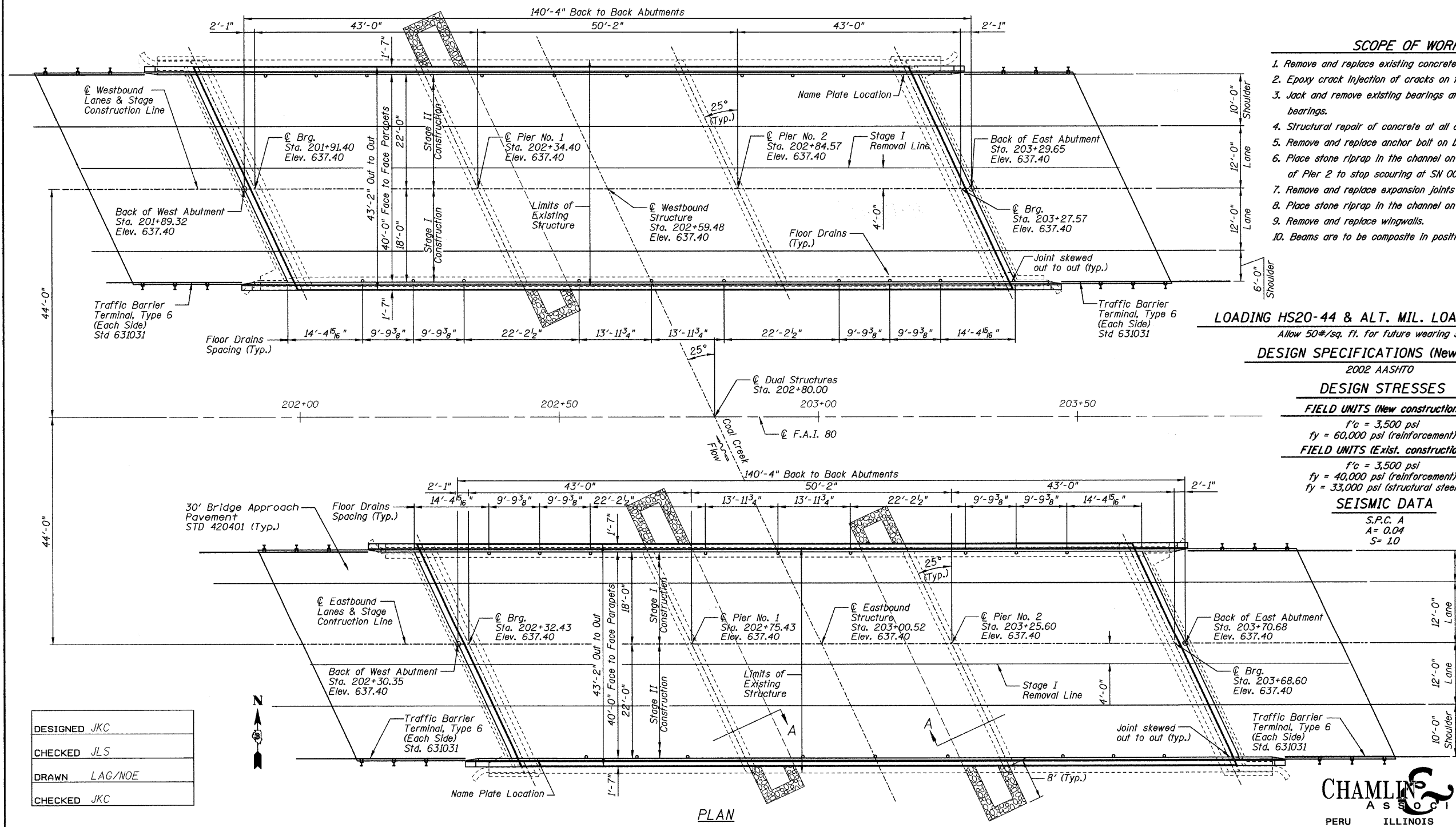
S = 1.0



LOCATION SKETCH

GENERAL PLAN  
F.A.I. 80 (I-80) OVER COAL CREEK  
SECTION (06-1, 2)RS-3, I  
BUREAU COUNTY  
SN 006-0007 (EB)  
SN 006-0008 (WB)  
STA. 202+80

CHAMLIN ASSOCIATES  
PERU ILLINOIS MORRIS



PLAN

DESIGNED	JKC
CHECKED	JLS
DRAWN	LAG/NOE
CHECKED	JKC