

Bench Mark: Brass disc in the southwest wingwall of S.N. 014-0062 19.59 ft. Right of Sta. 101+45.23, Elevation 442.71.

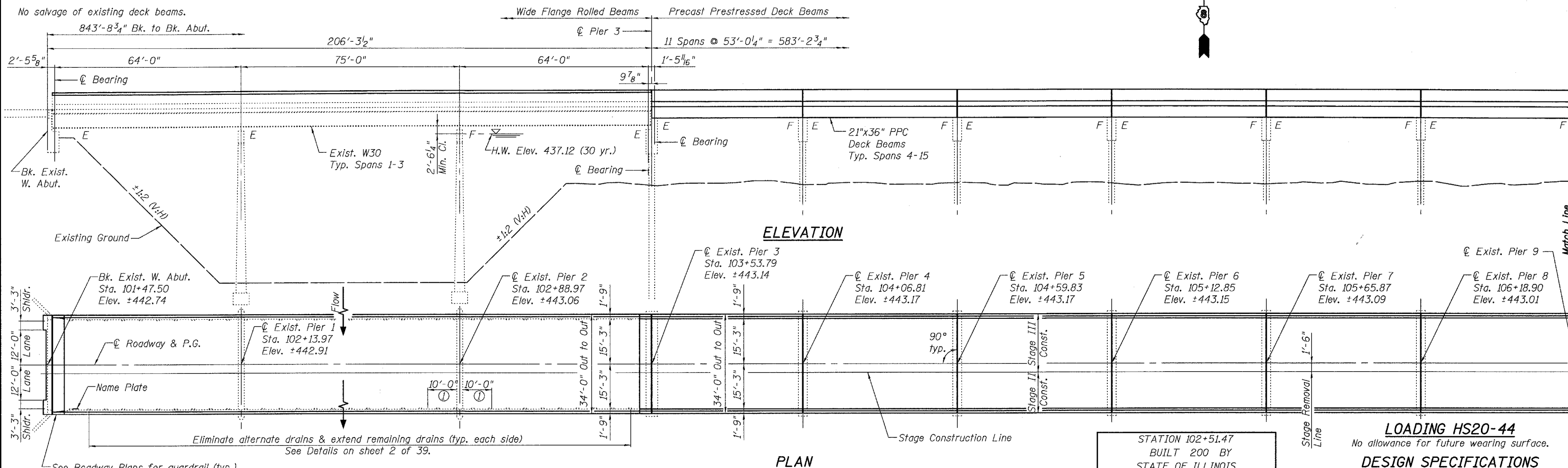
Existing Structure: S.N. 014-0062 was reconstructed in 1977 as FAS Route 1780, Section 24-BR at Sta. 102+51.47. The structure consists of a 3 span concrete deck supported on steel wide flange beams over the main channel and 12 PPC deck beam spans on pile bent abutment to the west, solid wall abutment founded on spread footing to the east and pile supported solid wall piers. The bk. to bk. of abutments measures 843'-8<sup>3</sup>/<sub>4</sub>" while the 0-0 width measures 34'-0". Traffic to be deflected to allow individual beam replacement during Stage I Construction. Partial road closure with a signalized one lane crossing will be used during Stage II & III Construction.

No salvage of existing deck beams.

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	-	-	63	25
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

Contract #76899



STATION 102+51.47  
BUILT 200 BY  
STATE OF ILLINOIS  
FAS ROUTE 1780 - SEC 24-BR-2  
LOADING HS20  
STR. NO. 014-0062

**NAME PLATE**  
See Std. 515001  
Existing Name Plate shall be cleaned and relocated adjacent to new Name Plate. Cost included with Name Plates.

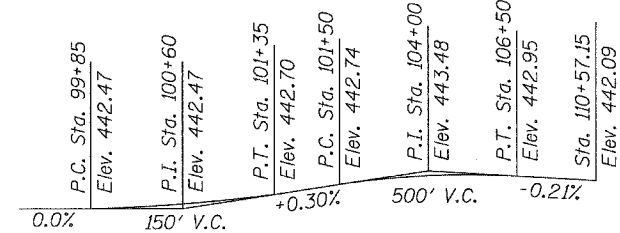
**LOADING HS20-44**  
No allowance for future wearing surface.

**DESIGN SPECIFICATIONS**  
2002 AASHTO

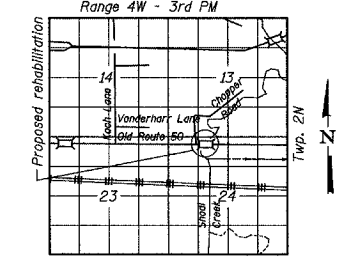
**DESIGN STRESSES**

**FIELD UNITS**  
f<sub>c</sub> = 3,500 psi  
f<sub>y</sub> = 60,000 psi (reinforcement)  
f<sub>y</sub> = 36,000 psi (structural steel)

**PRECAST PRESTRESSED UNITS**  
f<sub>c</sub> = 5,000 psi  
f<sub>ci</sub> = 4,000 psi  
f<sub>s</sub> = 270,000 psi (1/2" low lax. strands)  
f<sub>si</sub> = 201,960 psi (1/2" low lax. strands)



**PROFILE GRADE**  
(along centerline roadway)



**LOCATION SKETCH**

Plans Prepared By:  
**Oates Associates, Inc.**

**BRUCE P. SCHOPP**  
081-005158  
COLLINGSVILLE, ILLINOIS  
STATE OF ILLINOIS

Bruce P. Schopp  
05/15/06  
EXPIRES 11/30/06

**GENERAL PLAN**  
**OLD U.S. ROUTE 50 OVER**  
**SHOAL CREEK**  
**F.A.S. ROUTE 1780 - SECTION 24-BR-**  
**CLINTON COUNTY**  
**STA. 102+51.47**  
**STRUCTURE NO. 014-0062**

Notes:  
① Eliminate existing deck drains within 10 feet of the face of piers and abutments, spans 1-3. See Drain Elimination Detail sheet 2 of 39.

PLOT DATE = 05/15/2006  
FILE NAME = h:\p\25004\technical\production\014-0062\final\plans\0062-01-gplan.dgn  
PLOT SCALE = 0.1/0.0000 1/16"  
USER NAME = \$USER\$