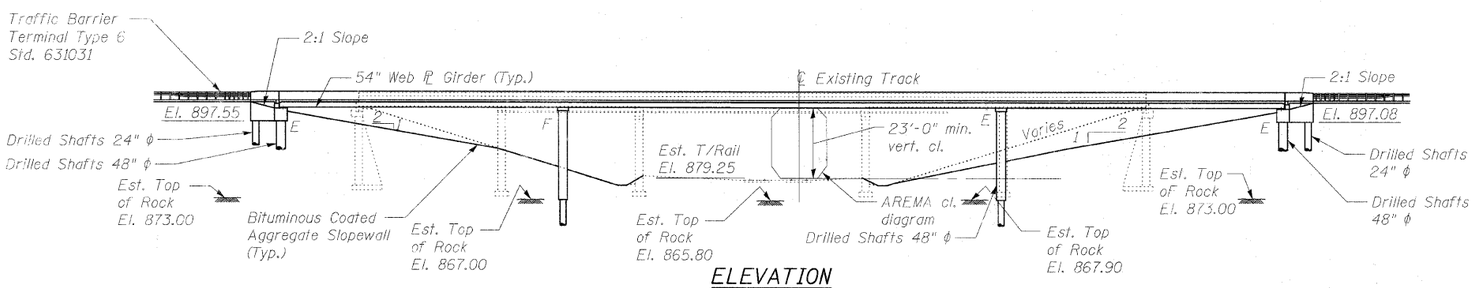
Bench Mark: IDOT disk at south west corner of structure El. 902.16
Existing Structure: S.N. 089-0003, built as S.B.I. Rte. 5, Section 21VB-VC in 1935 and widened as S.B.I. Rte. 5, Section 21VB-Y in 1971 is 32.5' wide by 264' long. In 1995 the steel beam superstructure was removed and replaced with P.P.C. deck beams. The existing five span P.P.C. deck beam superstructure, four reinforced concrete multiple column piers, and both open pilaster abutments shall be removed. A new three span continuous plate girder superstructure on caisson bent abutments and two reinforced concrete solid wall stem piers on caisson shafts shall be built. Traffic shall be staged during construction.
Salvage: Remove and store the existing steel columns used as additional supports on the existing piers per District 2 directions. The cost of salvage of the existing steel columns is included with removal of existing structures.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

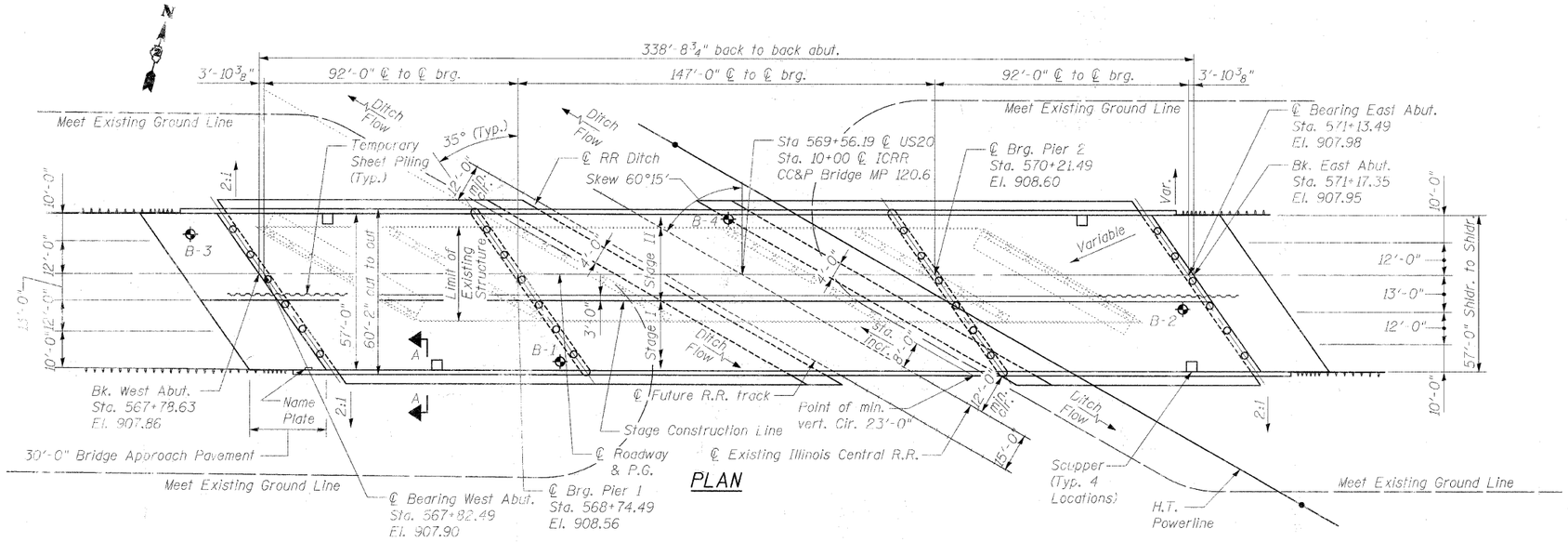
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 301	21VBR	STEPHENSON	112	49
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 1
32 SHEETS

Contract #64D15



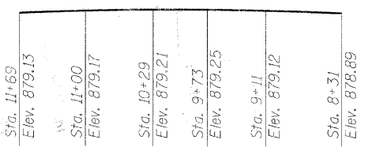
ELEVATION



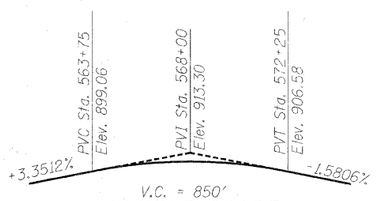
PLAN

No.	Station	Offset*
B-1	Sta. 568+89	29'R
B-2	Sta. 571+12	11'R
B-3	Sta. 567+57	12'L
B-4	Sta. 569+56	20'L

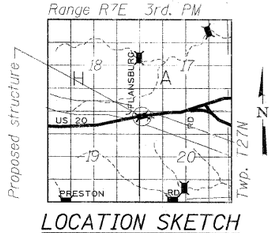
* from ℄ F.A. 301



PROFILE GRADE TOP OF EXISTING ICRR



PROFILE GRADE F.A. ROUTE 301
(along ℄ roadway)



LOCATION SKETCH

DESIGNED	MMH
CHECKED	CEN
DRAWN	R.VEJAR
CHECKED	CEN

STATION 569+56.19
BUILT 2009 BY
STATE OF ILLINOIS
F.A.P. RT. 301 - SEC. 1-HBR-2
LOADING HL93
STR. NO. 089-0077

NAME PLATE
See Std. 515001

APPROVED
FOR STRUCTURAL ADEQUACY ONLY
Ralph E Anderson
ENGINEER OF BRIDGES AND STRUCTURES

DESIGN SPECIFICATIONS
2007 AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS WITH 2008 INTERIMS

DESIGN STRESSES
f'_c = 3500 PSI
f_y = 60,000 PSI (reinforcement)
f_y = 50,000 PSI (M270 Grade 50) (Structural Steel)

LOADING HL-93
Allow 50 #/sq.ft. Future Wearing Surface

SEISMIC DATA
Seismic Performance Zone (SPZ) = 1
Acceleration Coefficient (A) = 0.04
Site Class C
Design Spectral Acceleration at
0.2 Sec. S_{DS} = 0.096
1.0 Sec. S_{D1} = 0.06

date
STATE OF ILLINOIS
MOHAMMAD M. HUSAIN
062-056529
STRUCTURAL ENGINEER
11-30-10
Licensed Structural Engineer
(Illinois Structural Engineer's Seal)
MY LICENSE EXPIRES 11-30-2010

GENERAL PLAN AND ELEVATION
US 20 OVER ILLINOIS CENTRAL RAILROAD
F.A.P. RTE. 301 - SEC. 21-VBR & 21RS-2
STEPHENSON COUNTY
STATION 569+56.19
STRUCTURE NO. 089-0077

HOH HARRY O. HEFTER-ASSOCIATES, INC. DESIGN AND CONSULTING ENGINEERS
55 East Jackson Blvd. Suite 600 Chicago, Il 60604 312-346-8131

PROJECT NUMBER 2945