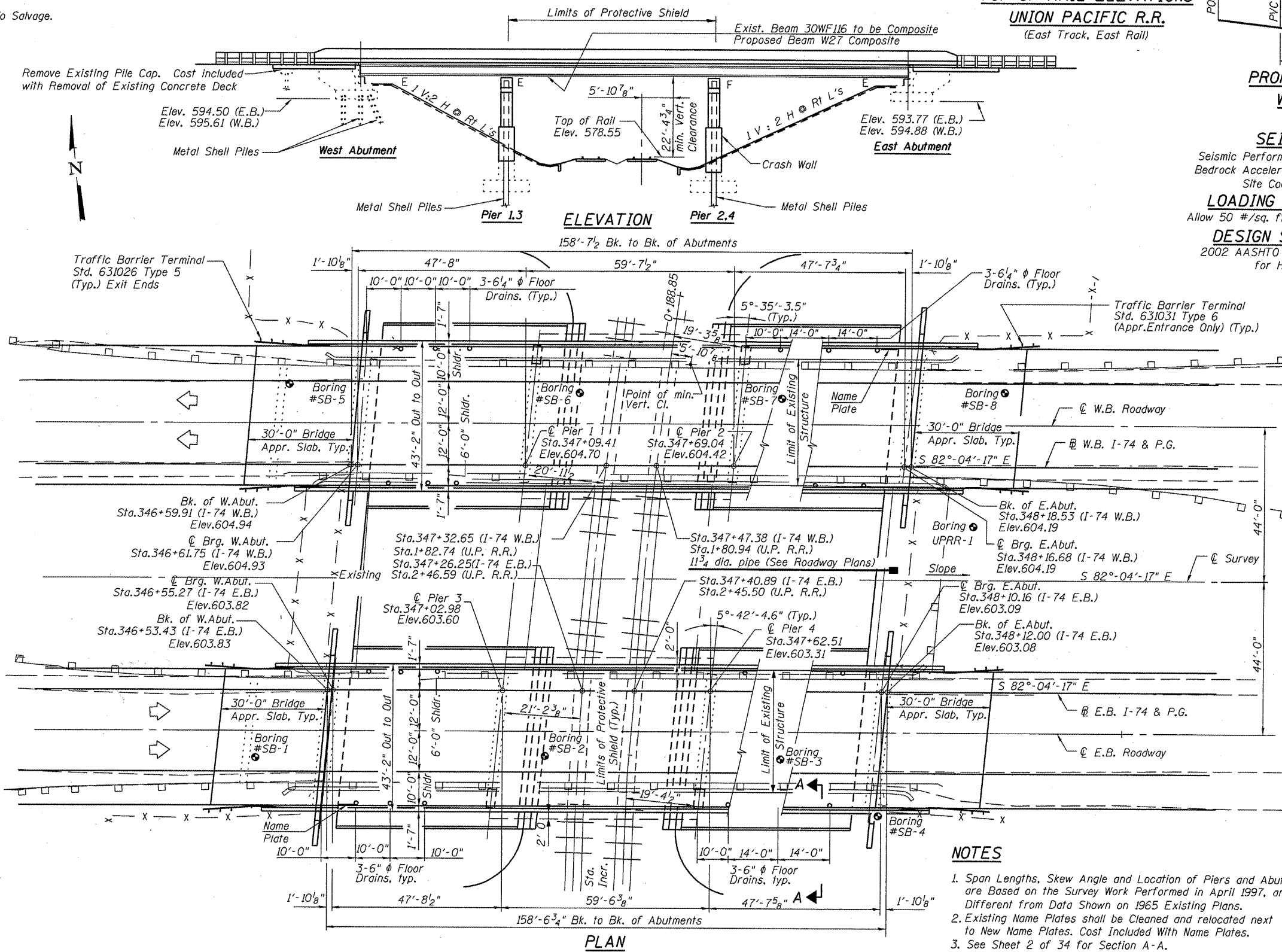


B. M. #102: Chiseled "L" on N.W. Wingwall, Westbound I-74, Structure No. 072-0002. Elev. 605.63.

Existing Structure: S.N. 072-0001 (E.B.) & S.N. 072-0002 (W.B.) built as F.A.I. Route 74, Section 72-6VB in 1965. The E.B. and W.B. superstructure consists of a R.C. deck 35'-8" wide by 158'-9 1/2" long supported on a 3 span continuous, noncomposite wide flange beams. The existing deck shall be removed and replaced with a widened composite deck supported on the existing beams and 1 additional new outer beam, existing abutments shall be widened and converted to semi-integral abutments and the existing piers shall be widened. Traffic shall be maintained on existing S.N. 072-0001 during construction of S.N. 072-0002, and on S.N. 072-0002 during construction of S.N. 072-0001 by use of cross overs. Union Pacific R.R. remains open during construction.

No Salvage.



TOP OF RAIL ELEVATIONS
UNION PACIFIC R.R.
 (East Track, East Rail)

PROFILE GRADE
W.B. I-74

PROFILE GRADE
E.B. I-74

SEISMIC DATA
 Seismic Performance Category (SPC) = A
 Bedrock Acceleration Coefficient (A) = 0.04g
 Site Coefficient (S) = 1.0
LOADING HS20-44 & ALT.
 Allow 50 #/sq. Ft. for future wearing surface.
DESIGN SPECIFICATIONS
 2002 AASHTO Standard Specifications
 for Highway Bridges

STATION 347+32.71
 REBUILT BY
 STATE OF ILLINOIS
 F.A.I. ROUTE 74 SECTION 72-6VB
 LOADING HS20 & ALT.
 STRUCTURE NO. 072-0001

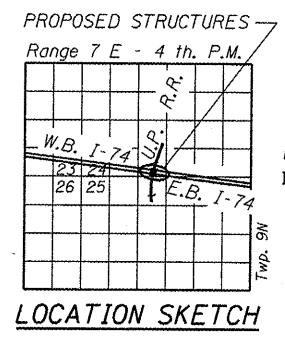
NAME PLATE (E.B.)
 See Std. 515001 and note 2

STATION 347+39.22
 REBUILT BY
 STATE OF ILLINOIS
 F.A.I. ROUTE 74 SECTION 72-6VB
 LOADING HS20 & ALT.
 STRUCTURE NO. 072-0002

NAME PLATE (W.B.)
 See Std. 515001 and note 2

DESIGN STRESSES
FIELD UNITS
 $f'_c = 3,500$ psi
 $f_y = 60,000$ psi (Reinforcement)
 $f_y = 50,000$ psi (M270 Grade 50)
 $f_y = 36,000$ ksi (M270 Grade 36)

EXISTING STRUCTURE
 $f'_c = 3$ ksi
 $f_y = 40$ ksi Reinf. Steel (Grade 40)
 $f_y = 36$ ksi Struct. Steel (A-36)



APPROVED
 FOR STRUCTURAL ADEQUACY ONLY
 [Signature]
 ENGINEER OF BRIDGES AND STRUCTURES

STATE OF ILLINOIS
 WILLIAM J. VEGRZYN
 4983 HANOVER PARK
 LICENSED STRUCTURAL ENGINEER
 9-29-11
 Expires 11-30-12

- NOTES**
- Span Lengths, Skew Angle and Location of Piers and Abutments are Based on the Survey Work Performed in April 1997, and are Different from Data Shown on 1965 Existing Plans.
 - Existing Name Plates shall be Cleaned and relocated next to New Name Plates. Cost Included With Name Plates.
 - See Sheet 2 of 34 for Section A-A.

GENERAL PLAN AND ELEVATION
I-74 OVER THE UNION PACIFIC RAILROAD
F.A.I. RTE. 74 - SECTION 72-6VB
PEORIA COUNTY
STATION 347+32.71 & 347+39.22
STRUCTURE NO. 072-0001 & 072-0002



V3 Companies of Illinois Ltd.
 7325 James Avenue
 Woodridge, IL 60517
 830.724.9200 phone
 830.724.9202 fax
 www.v3co.com

FILE NAME: 01 General Plan and Elevation.dgn
 PLOT SCALE: 1:1
 PLOT DATE: July 1, 2011

DESIGNED: B. Vegrzyn
 CHECKED: Coombe-Bloxdorf
 DRAWN: B. Vegrzyn
 CHECKED: Coombe-Bloxdorf

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SHEET NO. 1 OF 34 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	72-6VB	PEORIA	133	44
			CONTRACT NO. 68874	
ILLINOIS FED. AID PROJECT				