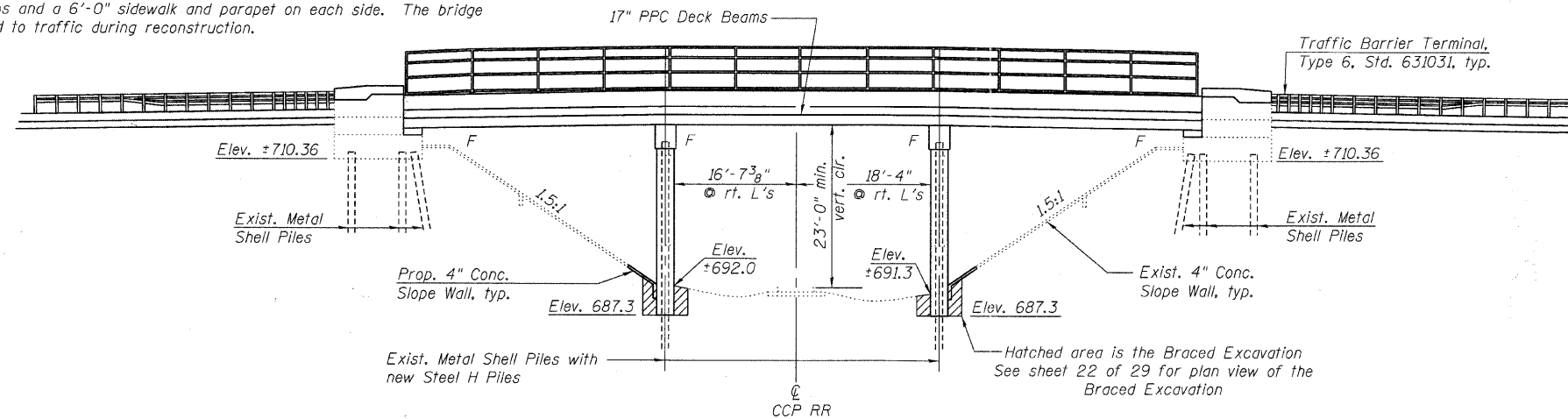


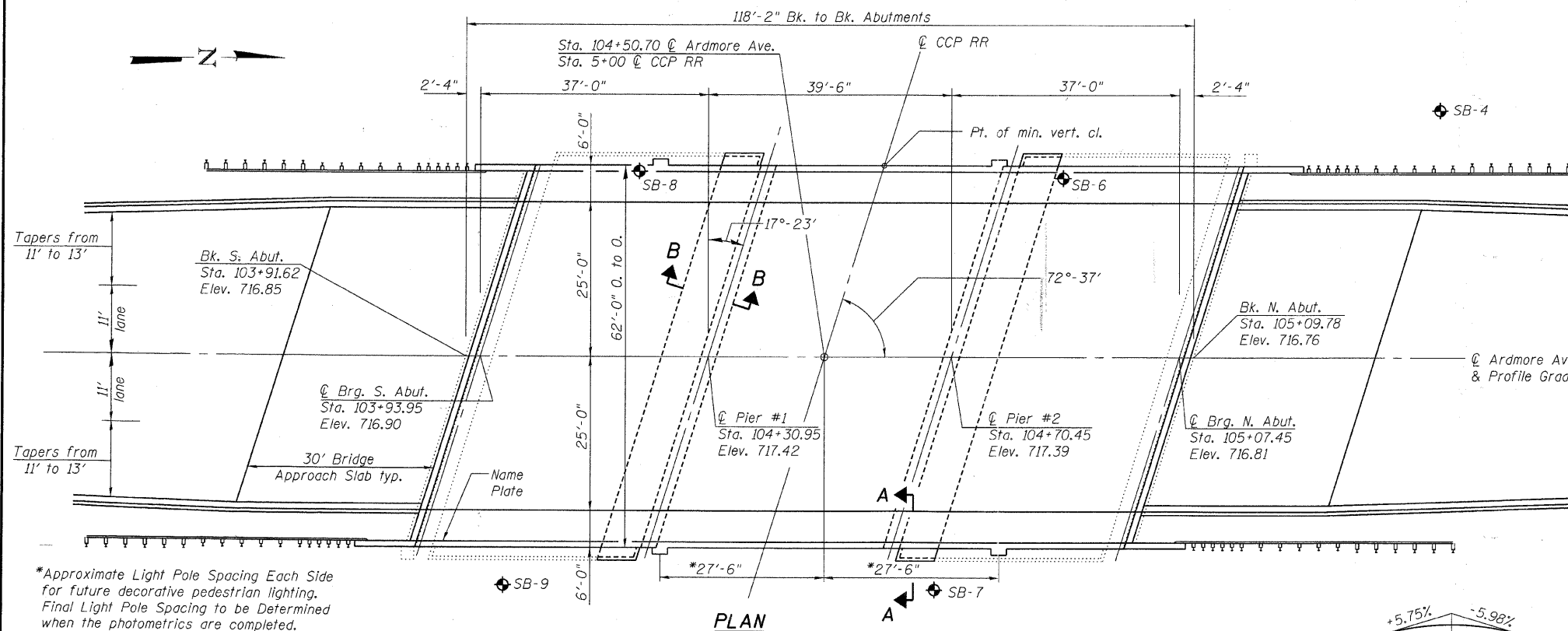
Bench Mark: SBM #1: Cut square in light standard base (southwesterly). First light standard base north of Ardmore Bridge on the east side of Ardmore Avenue. Elevation 708.73 (measured) NGVD29.

Existing Structure: SN 022-6930 was built in 1978 as F.A.U. Route 2651 replacing an existing structure. The structure is a three span simply supported (37'-0", 39'-6", 37'-0") 17" PPC Deck Beam bridge supported by stub abutments and concrete piers. The existing structure is 118'-2" back to back of abutments and the out to out width of deck is 62'-0" with a 50'-0" clear width between curbs and a 6'-0" sidewalk and parapet on each side. The bridge will be closed to traffic during reconstruction.

No Salvage



ELEVATION



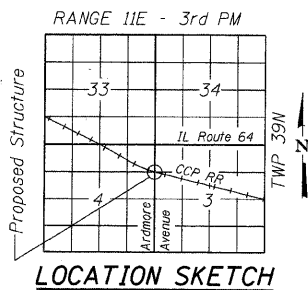
PLAN

*Approximate Light Pole Spacing Each Side for future decorative pedestrian lighting. Final Light Pole Spacing to be Determined when the photometrics are completed.

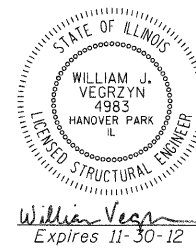
Note: See Sheet 2 of 29 for Sections A-A and B-B.



V3 Companies of Illinois Ltd.
7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
630.724.9202 fax
www.v3co.com



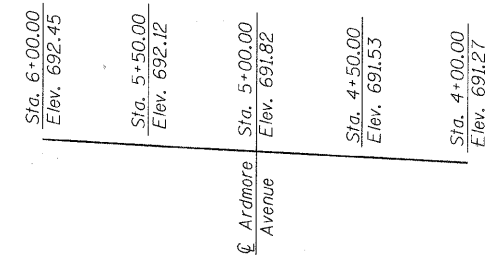
I certify that to the best of my knowledge, information and belief, this bridge design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with the requirements of the current AASHTO Standard Specifications for Highway Bridges.



William Vegrzyn
Expires 11-30-12



PROFILE GRADE
(along centerline of Roadway)



PROFILE GRADE
Top of rail along centerline of track
(Looking North)

GENERAL PLAN
STRUCTURE NO. 022-6930

SHEET NO. 1 29 SHEETS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2651	07-00083-00-BR	DUPAGE	50	15
FED. ROAD DIST. NO. - ILLINOIS			FED. AID PROJECT		

LOADING HS 20-44 (NEW CONST.)
LOADING HS 20-44 (EXIST. CONST.)
No allowance for future wearing surface.

DESIGN SPECIFICATIONS

NEW CONSTRUCTION
2002 AASHTO - 17th edition

EXISTING CONSTRUCTION
AASHTO Standard Specifications for Highway Bridges - 1971 with 1976 Interims

DESIGN STRESSES

NEW CONSTRUCTION

FIELD UNITS

f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)

PRECAST PRESTRESSED UNITS

f'c = 6,000 psi
f'ci = 5,000 psi
fpu = 270,000 psi (1/2" low lax strands)
fpbt = 201,960 psi (1/2" low lax strands)

EXISTING CONSTRUCTION

FIELD UNITS

f'c = 3,500 psi
fy = 40,000 psi (Reinforcement)

SEISMIC DATA

Seismic Performance Category (SPC) = A
Bedrock Acceleration Coefficient (A) = 0.037g
Site Coefficient (S) = 1.0

CHICAGO, CENTRAL & PACIFIC RAILROAD
BUILT 2011 BY
VILLAGE OF VILLA PARK
SEC. 07-00083-00-BR
F.A.U. RT. 2651 STA. 104+50.70
LOADING HS 20-44
STRUCTURE NO. 022-6930

NAME PLATE

See Std. 515001

Note:
Existing Name plate shall remain where it is currently located.