

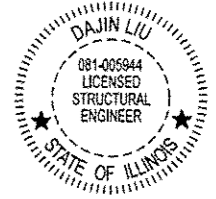
Bench Mark: Chisel "X" on S. flange bolt of F.H. on W. side of Peoria Street first F.H. S. of Van Buren Street.
Elev. 594.37

Existing Structure: SN 016-2082. Constructed in 1950 under F.A. Route 131 Section 2525.1-1B.
Three span bridge that measures 219'-8" from back-to-back of abutments.
Out-to-out width of 56'-4". The spans are supported by 36" wide flange steel I-beams. Substructure is reinforced concrete piers and abutments on creosoted timber piles. The existing bridge is to be removed and replaced.

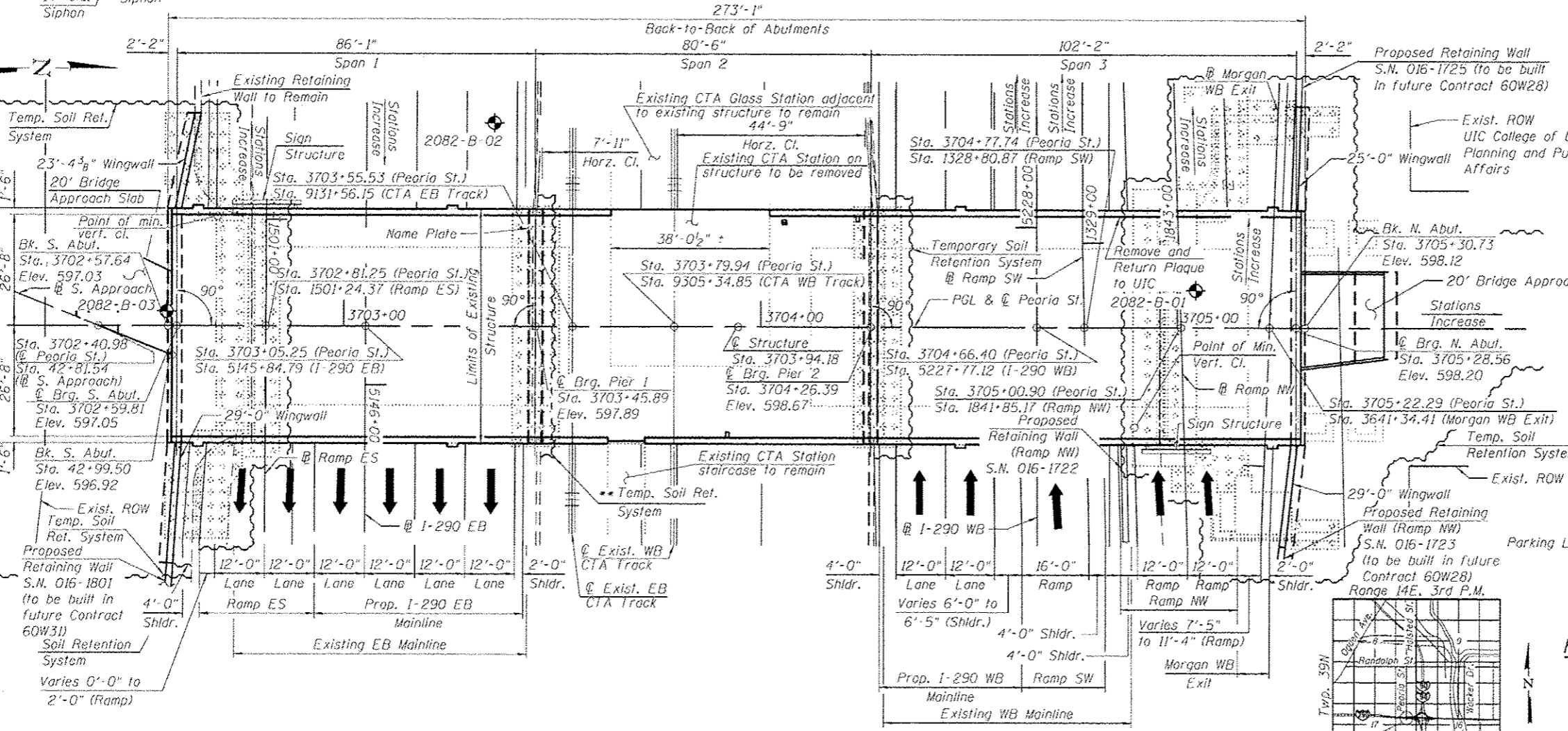
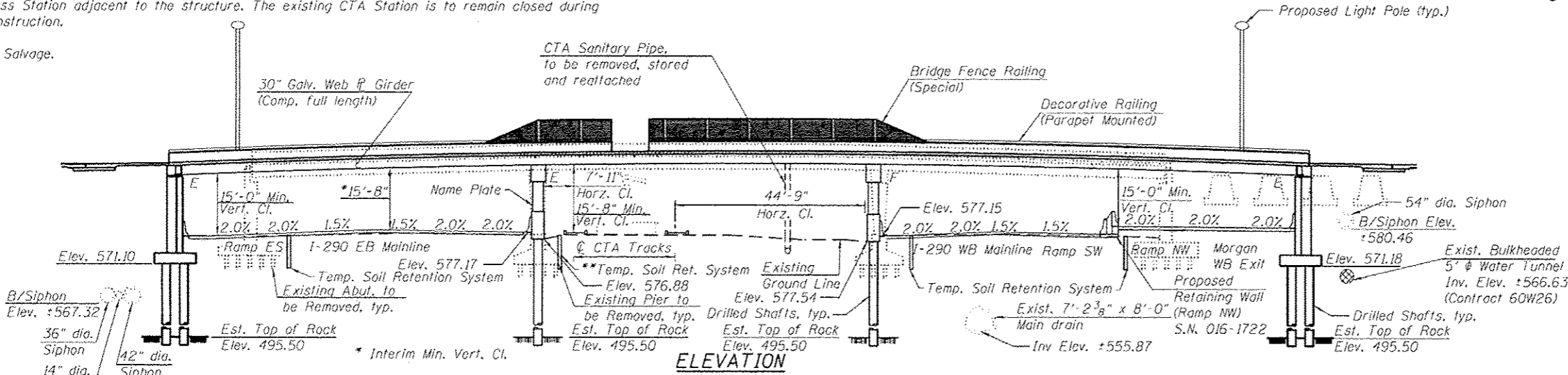
The bridge will be closed to pedestrian traffic and detoured during construction.
Existing equipment located in the head house is to be salvaged and relocated in the existing CTA Glass Station adjacent to the structure. The existing CTA Station is to remain closed during construction.

No Salvage.

APPROVED
For Structural Adequacy Only
De Carl Pappas
Engineer of Bridges & Structures



Dajin Liu
DAJIN LIU, P.E., S.E.
NO. 081-005944
EXP. DATE 11/30/2014



Note:
For limits of Protective Shield, See Sheet 7 of 55.
See Sheet 3 for Legend.

Construction of Pier 1 is adjacent to the EB CTA Blue Line track. Construction activities require a modification to the normal operation of CTA service to facilitate access to perform work on or near the CTA Right-of-Way will be allowed with CTA Track Access Occurrences. See Special Provision for CTA Flagging and Coordination.

LOADING HL-93
Allow 50# sq. ft. for future wearing surface.

DESIGN SPECIFICATIONS
2012 AASHTO LRFD Bridge Design Specifications
6th Edition, with 2013 Interim Revisions

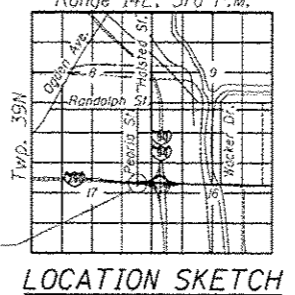
DESIGN STRESSES

FIELD UNITS
f'c = 3,500 psi
f'c = 21,000 psi (Ultra-High Performance Concrete)
fy = 60,000 psi (Reinforcement)
fy = 50,000 psi (M270 Grade 50)
fy = 36,000 psi (M270 Grade 36)

PRECAST UNITS
f'c = 5,000 psi

SEISMIC DATA
Seismic Performance Zone (SPZ) = 1
Design Spectral Acceleration at 1.0 sec. (S₀₁) = 0.086g
Design Spectral Acceleration at 0.2 sec. (S₀₅) = 0.153g
Soil Site Class = D

GENERAL PLAN & ELEVATION
PEORIA STREET OVER
F.A.I. 290 (EISENHOWER EXPRESSWAY) AND CTA
MUN 2090 SECTION 2013-011R
COOK COUNTY
STATION 3703+94.18
STRUCTURE NO. 016-1708



11/10/13 10:12:22 PM 0161708-60W29-5001-CPE.dgn



USER NAME = BAW1art	DESIGNED = WJC	REVISED =
PLLOT SCALE = 3210.0000 1" / in.	CHECKED = KAH/MDS/DL	REVISED =
PLLOT DATE = 10/28/2013	DRAWN = WJC	REVISED =
	CHECKED = KAH/MDS/DL	REVISED =

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MUN	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2090	2013-011R	COOK	356	133
CONTRACT NO. 60W29			ILLINOIS FED. AID PROJECT	

SHEET NO. 1 OF 55 SHEETS