F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE,KANE	647	444
STA. 3356+37.74		TO STA. 3359+24.72		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

62410

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Benchmark: "D" Cut In SW Corner Concrete Base of Traffic Signal Box in NW Corner IL Rte. 64 & Powis Rd. Elev. 758.46

Existing Structure: Sta. 3357+79.35
FAP 307 (IL Rte. 64) Section 130VB-2-R-1
Built in 1930. Structure No. 022-0059
(Six-span 255'-0" Bk. to Bk. of Abut., 56'-0" O. to O. Deck).

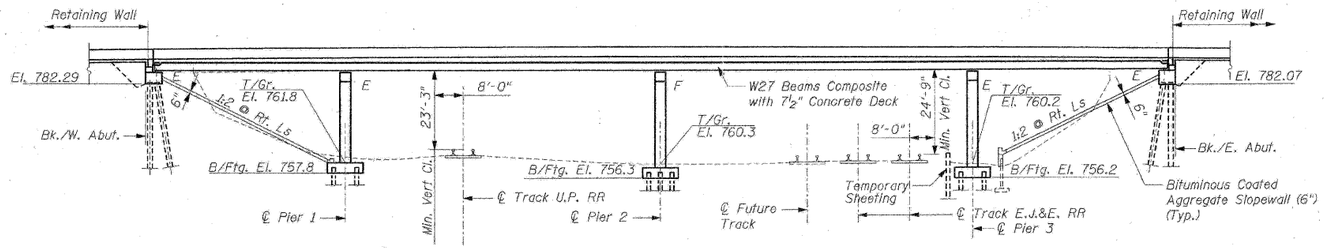
Superstructure: PPC deck beams built in 1973, repaired in 1992 and replaced in 1995.

Substructure: RC multiple column piers & closed abutments with buttresses on spread footings built in 1930 and recapped in 1973 and 1995.

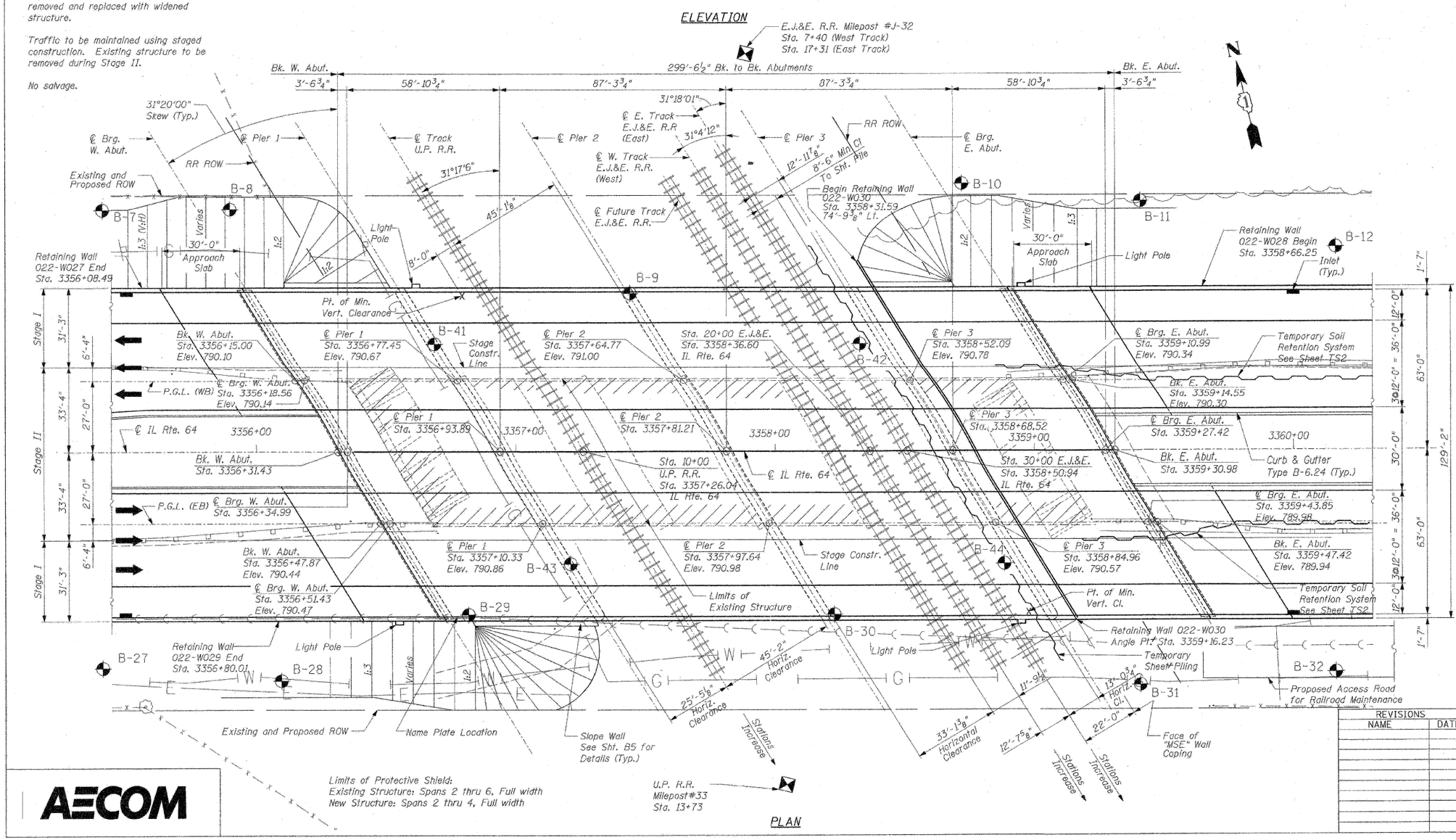
Superstructure and substructure to be removed and replaced with widened structure.

Traffic to be maintained using staged construction. Existing structure to be removed during Stage II.

No salvage.



ELEVATION



PLAN

DESIGN SPECIFICATIONS

AASHTO Standard Specifications for Highway Bridges, 17th Edition - 2002

DESIGN STRESSES

FIELD UNITS

f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)
fy = 50,000 psi (M270 Grade 50)

LOADING HS20-44

Allow 50 psf for future wearing surface.

SEISMIC DATA

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

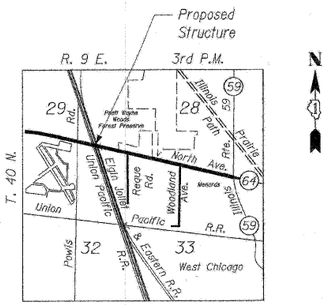
APPROVED
FOR STRUCTURAL ADEQUACY ONLY

ENGINEER OF BRIDGES AND STRUCTURES

PROFESSIONAL ENGINEER
STATE OF ILLINOIS
MATTHEW J. PREGMON
081-006009
STRUCTURAL ENGINEER

3.12.2011

EXPIRATION DATE: 11-30-2012



LOCATION SKETCH

Not to Scale

Sheet B1 of 56

REVISIONS NAME	DATE

F.A.P. ROUTE 307 ILLINOIS ROUTE 64
(NORTH AVENUE)
OVER E.J.&E. AND U.P. R.R.
GENERAL PLAN AND ELEVATION
NORTH AVENUE
STRUCTURE NUMBER 022-0190
FAP 307 SECTION 130 R-2
DUPAGE COUNTY
STA. 3357+81.21

SCALE: None DRAWN BY: CHD
DATE: MAY 13, 2011 CHECKED BY: MJP

AECOM