Benchmark: Brass disk in NE sidewalk, Station ±101+08.5, ±33.3' Lt. Elev. 611.24

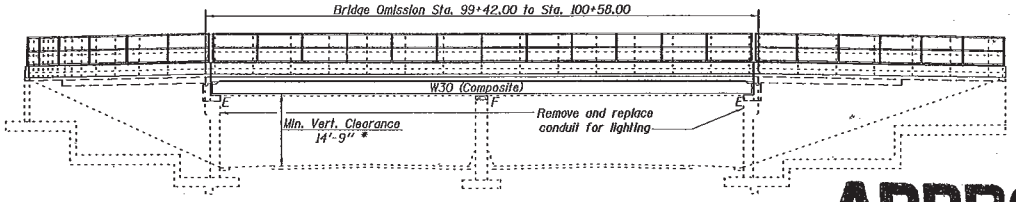
Existing Structure: SN 016-0246, two-span 116'-0" back to back of abutments, 75'-0" out to out. Superstructure consists of a R.C. deck supported by wide-flange steel girders on closed abutments. Built as F.A. Route 99, Sec. 263-0101.9-15d in 1956. Bridge deck replaced in 1982, and repairs performed in 2000. Traffic to be detoured during construction.

No Salvage.

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 1360	0101BR-2	COOK		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

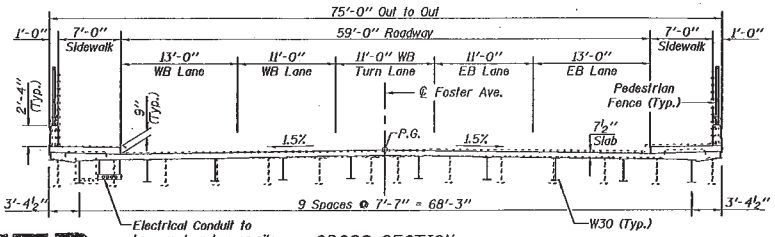
SHEET NO. 1
1 SHEETS

Contract #60A65



*Derived from existing clearance measured during 2005 survey

ELEVATION

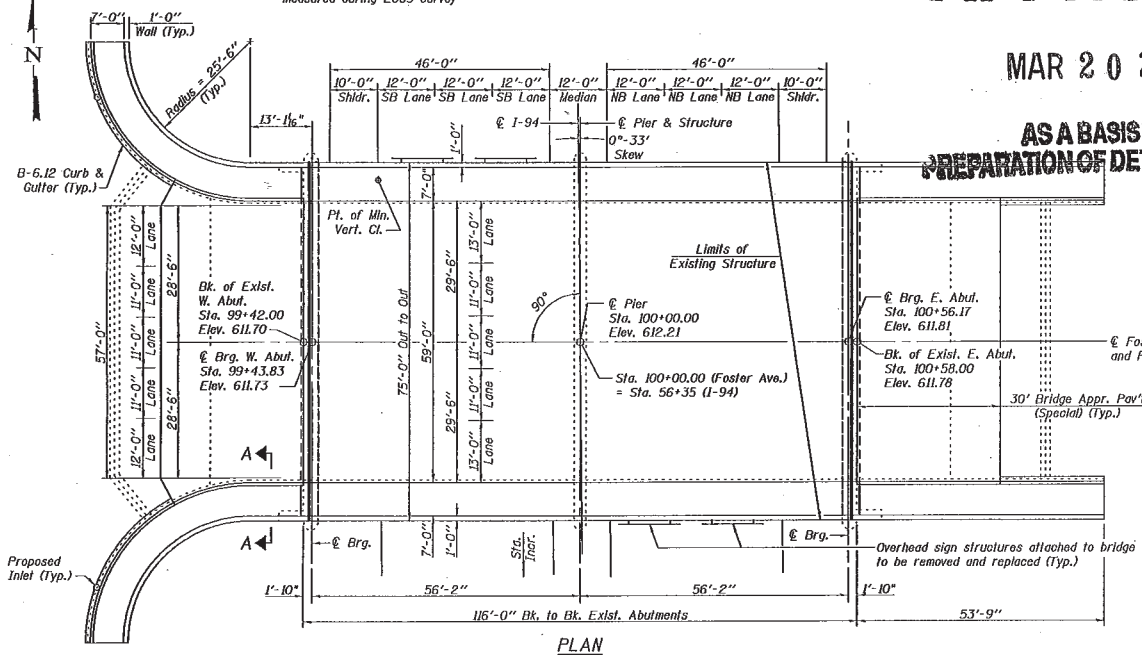


CROSS SECTION
Looking East

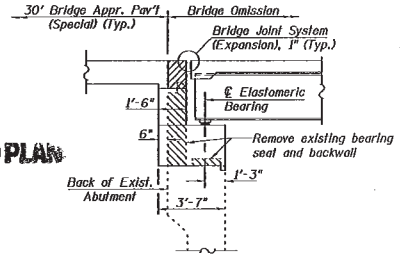
APPROVED

MAR 20 2006

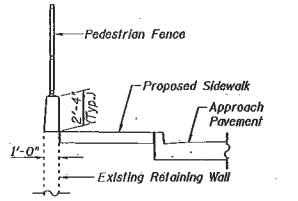
AS A BASIS FOR PREPARATION OF DETAILED PLAN



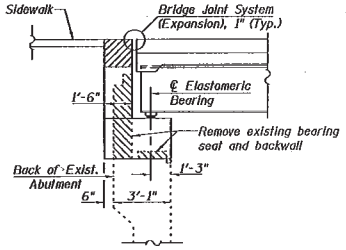
PLAN



SECTION THRU ABUTMENT
At Traffic Lanes



SECTION A-A



SECTION THRU ABUTMENT
At Sidewalk

HIGHWAY CLASSIFICATION

F.A.U. Rte. 1360 (Foster Avenue)
Functional Class: Minor Arterial (Urban)
ADT: 22,000 (2002); 46,980 (2021)
Design Speed: 35 m.p.h.
Posted Speed: 30 m.p.h.

F.A.I. Rte. 94 (Edens Expressway)
Functional Class: Federal Aid Interstate
ADT: 161,600 (2003); 213,975 (2021)
Design Speed: 60 m.p.h.
Posted Speed: 55 m.p.h.

LOADING HS20-44

Allow 50#/sq. ft. for future wearing surface.

DESIGN SPECIFICATIONS

2002 AASHTO (17th Ed.)

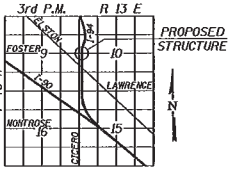
DESIGN STRESSES

FIELD UNITS
f'_c = 3,500 psi
f_y = 60,000 psi (reinforcement)
f_y = 50,000 psi (M270 Grade 50)

EXISTING CONSTRUCTION
f_s = 20,000 p.s.i. (reinforcement)
f_c = 1,200 p.s.i. (concrete)

SEISMIC DATA

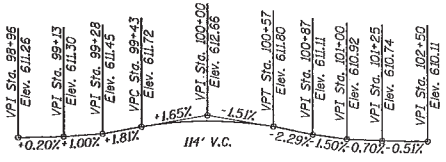
Seismic Performance Category (SPC) = A
Bedrock Acceleration Coefficient (A) = 0.04
Site Coefficient (S) = 1.0



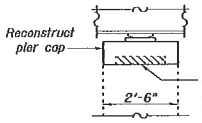
LOCATION SKETCH

SCOPE OF WORK

1. Close bridge and detour traffic.
2. Remove existing superstructure.
3. Remove existing abutment back walls.
4. Remove existing bearings and bearing seats and cut existing reinforcement and anchor bolts flush with abutment or pier seat.
5. Rebuild abutment and pier seats.
6. Construct new superstructure.
7. Perform substructure repairs.



PROFILE GRADE FOSTER AVENUE
(Along ℄ of Roadway)



SECTION THRU PIER

ILLINOIS DEPARTMENT OF TRANSPORTATION

GENERAL PLAN
FOSTER AVE OVER I-94 (EDENS EXPRESSWAY)
FAU RTE 1360 SECTION 0101BR-2
COOK COUNTY
STATION 100+00
STRUCTURE NO. 016-0246

DATE: 3/01/2006
DRAWN BY BLB
CHECKED BY WJV