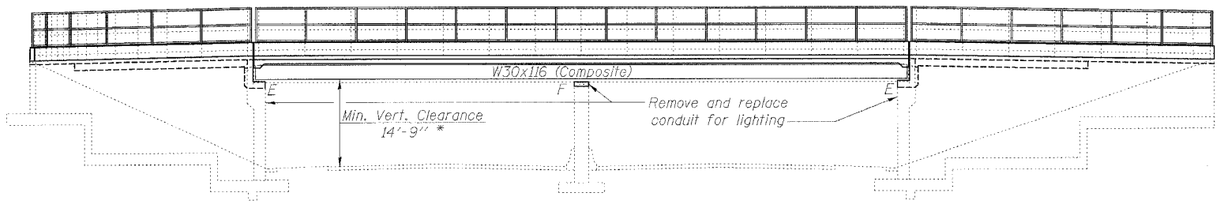
Benchmark: Brass disk in NE sidewalk, Station ±101+08.5, ±33.3' Lt. Elev. 611.24

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 (which support the existing Protective Shield) on closed abutments. Built as F.A. Route 99, Sec. 263-0101.9-15d in 1956. Bridge deck overlaid and patched in 1982, and repairs performed in 2000. Traffic to be detoured during construction.

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 1360	0101BR-2	COOK	50	49
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT -		

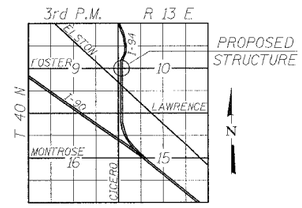
SHEET NO. 1
26 SHEETS

Contract #60A65

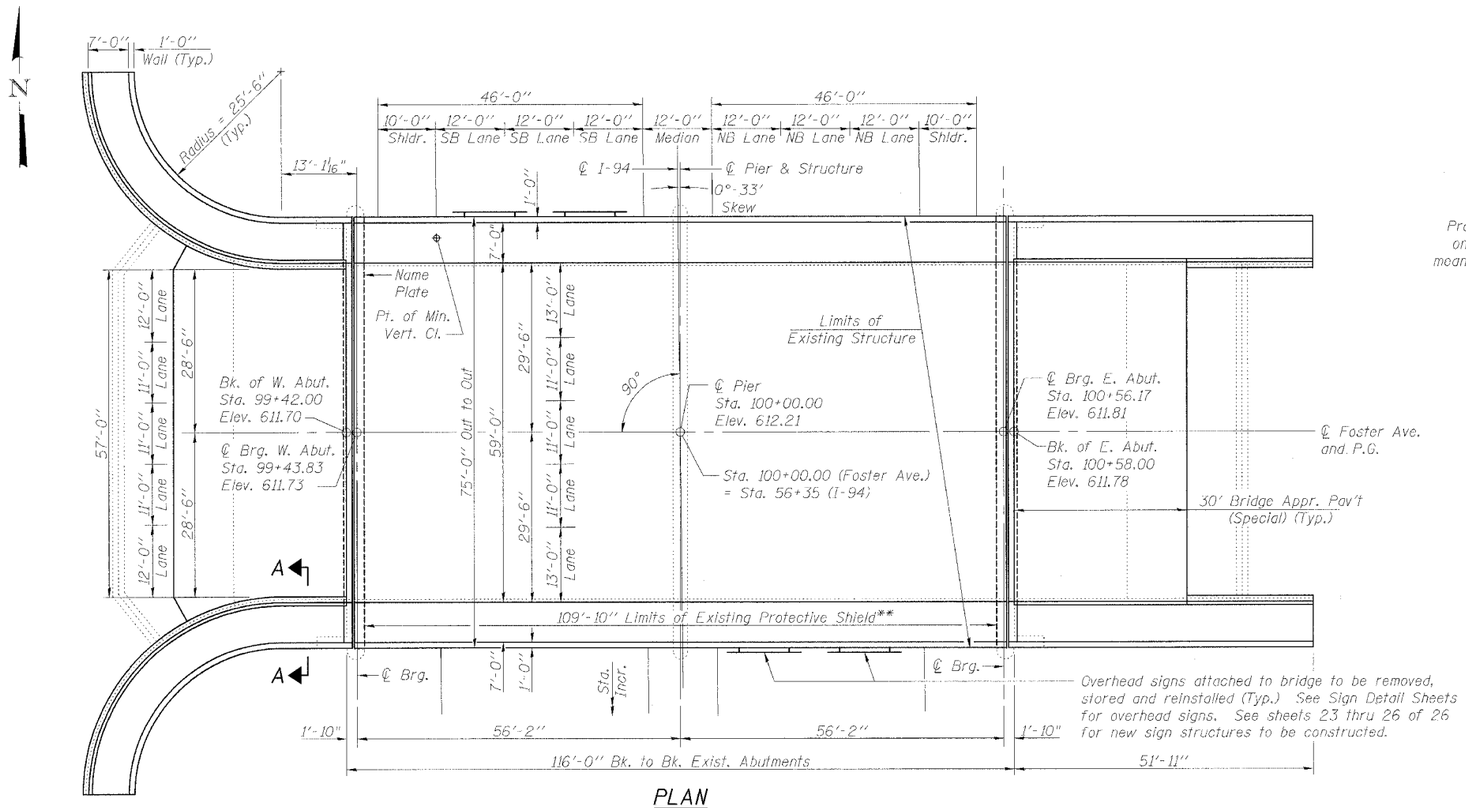


*Derived from existing clearance measured during 2005 survey

ELEVATION



LOCATION SKETCH



PLAN

THE EXISTING PROTECTIVE SHIELD SHOULD MEET THE REQUIREMENTS AND BE REMOVED AS PER PROVISIONS OF CHECK SHEET #22. THE COSTS OF NEEDED REINFORCEMENT OF THE EXISTING PROTECTIVE SHIELD, IF ANY, TO MEET THE REQUIREMENTS OF CHECK SHEET #22, AND THE REMOVAL OF EXISTING PROTECTIVE SHIELD SHALL BE INCLUDED IN THE PAY ITEM "REMOVAL OF EXISTING SUPERSTRUCTURES"

STATION 100+00
REBUILT 20 BY
STATE OF ILLINOIS
F.A. RT. 1360 SEC. 0101BR-2
LOADING HS20
STR. NO. 016-0246

NAME PLATE

See Std. 515001

Provide new name plate directly above existing name plate on west abutment face. Fasten to existing abutment by means of four brass or bronze bolts with countersunk heads. Cost included with Name Plates.

LOADING HS20-44

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

DESIGN SPECIFICATIONS

2002 AASHTO (17th Ed.)

DESIGN STRESSES

FIELD UNITS

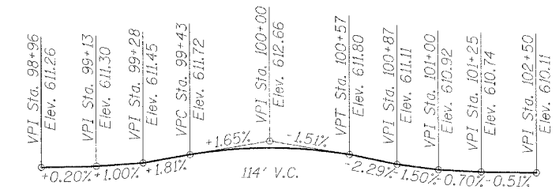
f'_c = 3,500 psi
f_y = 60,000 psi (reinforcement)
f_y = 50,000 psi (M270 Grade 50)
f_y = 36,000 psi (M270 Grade 36)

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



PROFILE GRADE FOSTER AVENUE

(Along ℄ of Roadway)

APPROVED
FOR STRUCTURAL ADEQUACY ONLY

Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

STATE OF ILLINOIS
WILLIAM J. VEGRZYN
4983
HANOVER PARK
IL
LICENSED STRUCTURAL ENGINEER

William J. Vegrzyn 6-29-06
Expires 11-30-06

rjngroup
Excellence through Ownership
200 West Front Street
Wheaton, Il 60187

ILLINOIS DEPARTMENT OF TRANSPORTATION

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

DATE: 4/30/2006
DRAWN BY BLB
CHECKED BY WJV

6/29/2006 K:\1118259\Structure\Final Plans\Final Plans.dgn