

Benchmark

RFS5: Chiselled "X" in rim of manhole at St. Clair Ave. and Katherine Dunham Place  
St. Clair Sta 54+02 13' Rt. Elev. 413.21

Existing Structure:  
Bridge No. 082-0099 was originally constructed in 1959. The Structure is a 2 span continuous steel multi girder bridge with floor beams and a reinforced concrete deck. The Bridge is approximately 175.65' long (C to C Bearings) and varies in width 92' to 108.22' (out to out of deck). Traffic to be maintained during the rehabilitation using stage construction.

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**DESIGN SPECIFICATIONS**

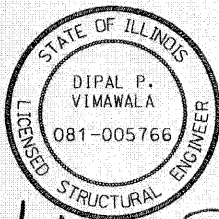
2002 AASHTO Standard Specification for Highway Bridges

**DESIGN STRESSES**

(New Construction)  
f'c = 3500 psi  
fy = 60,000 psi (reinf.)  
fy = 36,000 psi (M270 Grade 36)

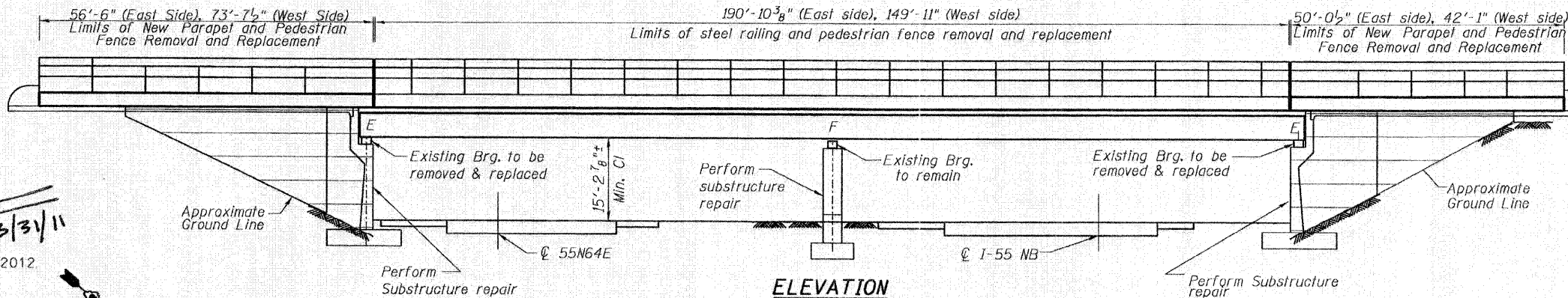
(Existing Construction)  
fc = 1400 psi (Super)  
fc = 1000 psi (Sub w/earth pressure)  
fs = 20,000 psi (reinforcement)  
fs = 18,000 psi (structural steel)

**LOADING HS20-44**

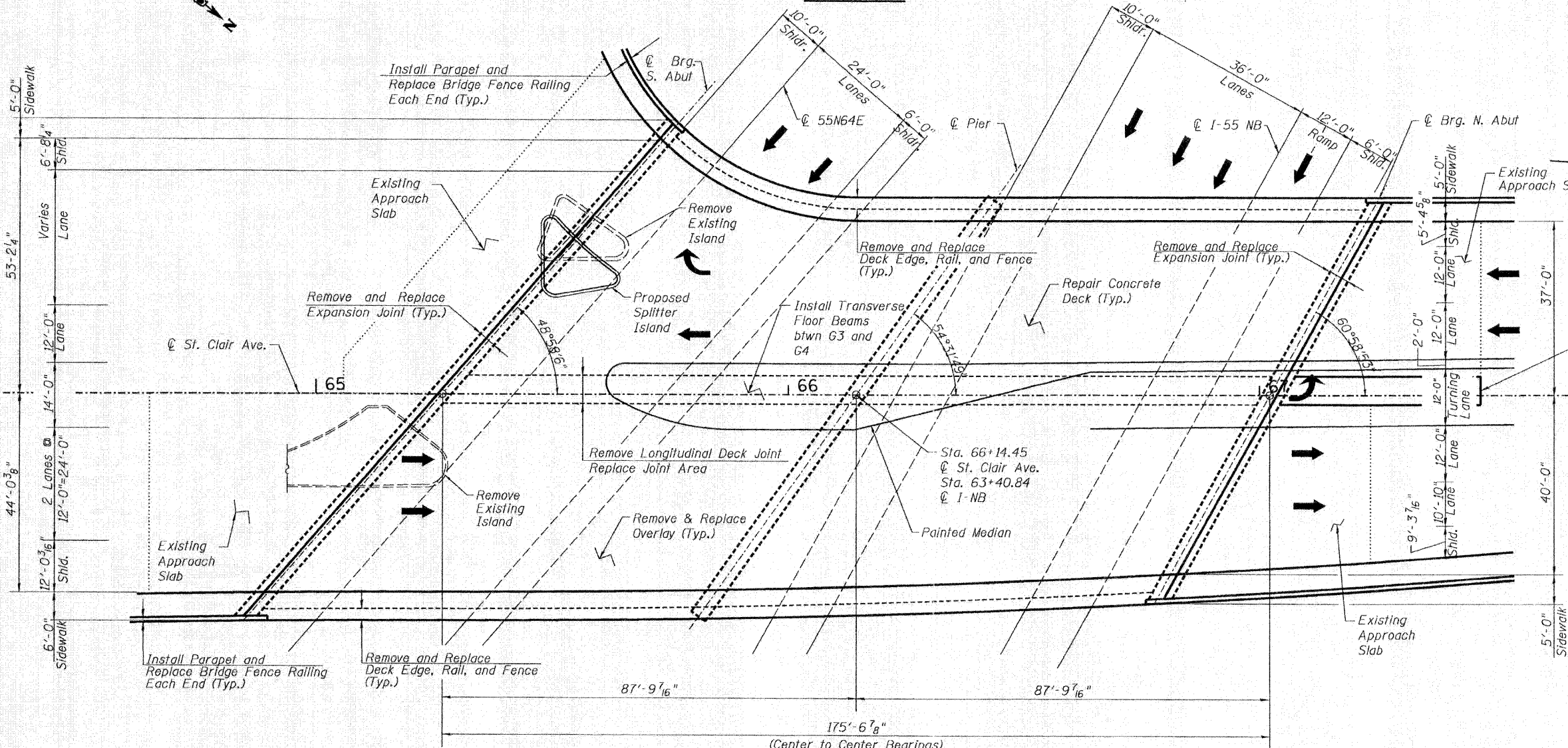


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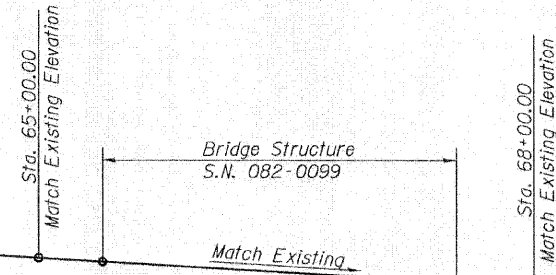
EXPIRATION DATE: 11-30-2012



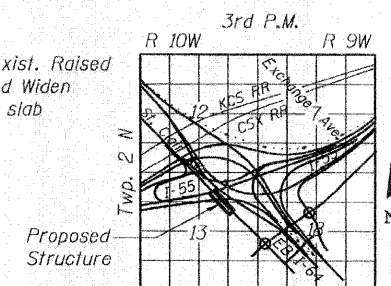
**ELEVATION**



**PLAN**



**PROFILE ST. CLAIR AVE.**



**LOCATION SKETCH**

**GENERAL PLAN AND ELEVATION**  
**ST. CLAIR AVE. OVER**  
**I-55 N.B.**  
**F.A.I. 64 82-1-3HB, 82-2N, 82-1-12RS**  
**ST. CLAIR COUNTY**  
**STATION 66+14.45**  
**STRUCTURE NO. 082-0099**

DESIGNED	DEV
CHECKED	EJO
DRAWN	JHR
CHECKED	EJO

SHEET NO.	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S1	64	82-1-3HB, 82-2N, 82-1-12RS	ST. CLAIR	352	239
S20 SHEETS	F.A.U. 9166 / F.A.U. 9180		CONTRACT NO. 76C51		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			