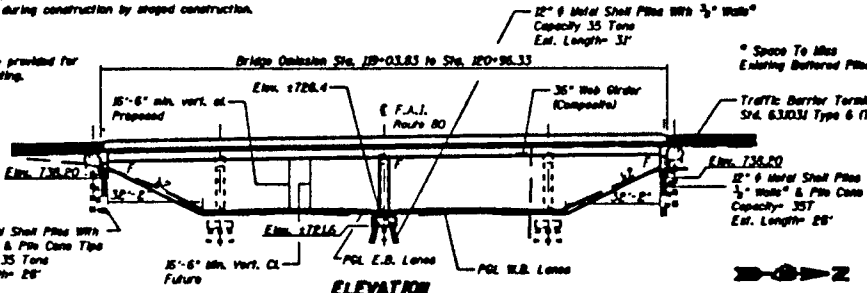
Bench Mark:
TDOT caps in ground with ⅝" iron rods
1. Sta. 113+13.01 Offset 23.85' R Elev. 727.68
2. Sta. 126+88.89 Offset 31.77' R Elev. 746.21

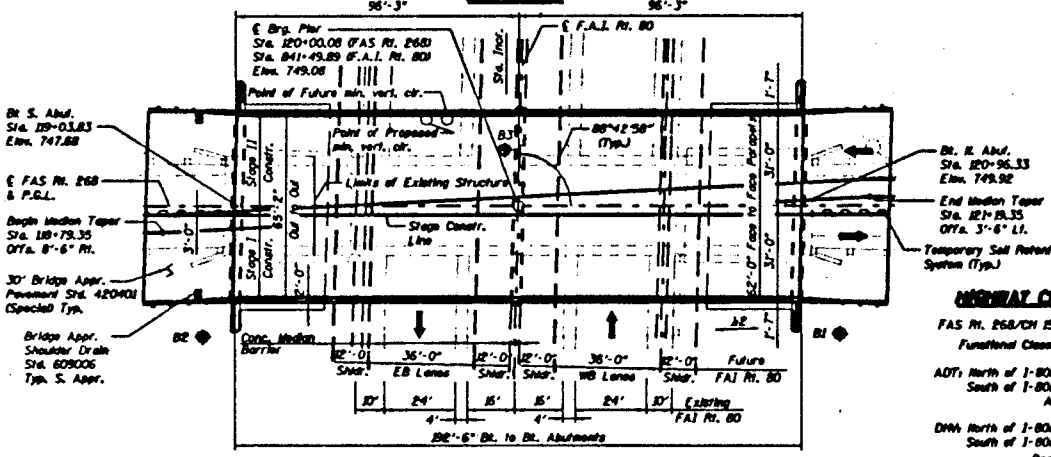
Existing Structure No. 050-0100. Built to carry CH 15 (Marseilles Rd.) over I-80 in 1960. The superstructure consists of a R.C. deck 202' long by 34'-0" wide on four-span simply supported pre-stressed concrete I-beams. Two lane traffic shall be maintained during construction by staged construction.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

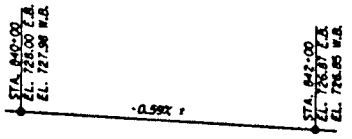
NOTE: Conduits to be provided for for future lighting.



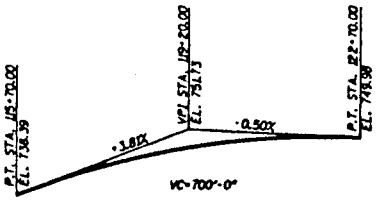
ELEVATION



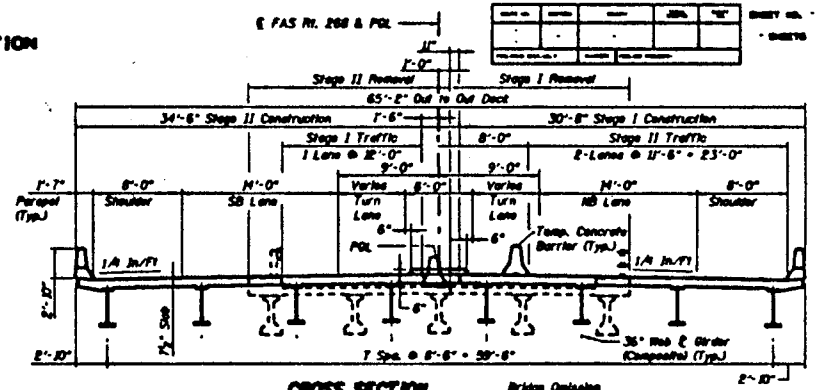
PLAN



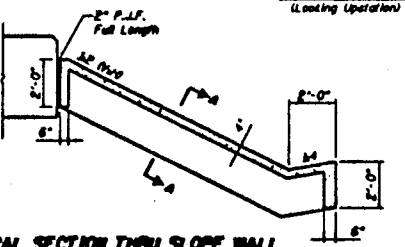
PROFILE GRADE I-80
Along Existing P.G.



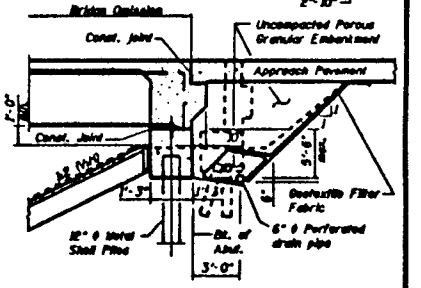
PROFILE GRADE MARSEILLES ROAD
Along P.G. @ Top Of Deck



CROSS SECTION
(Looking Upstation)

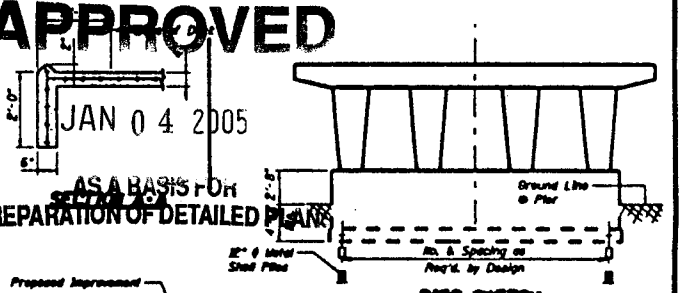


TYPICAL SECTION THRU SLOPE WALL
(South Abutment shown, North is similar)



SECTION THRU INTEGRAL ABUTMENT

APPROVED
JAN 0 4 2005
AS A BASIS FOR PREPARATION OF DETAILED PLANS
SECTION 404



PIER SKETCH

HIGHWAY CLASSIFICATION

FAS Rt. 268/CH 15 - (Marseilles Rd.)

Functional Class: Major Collector

ADT: North of I-80: 1,650 (2.00) 3,050 (2.06)
South of I-80: 4,150 (2.00) 6,500 (2.06)
ADTT: 7.4%

DHV: North of I-80: 165 (2.00) 305 (2.06)
South of I-80: 520 (2.00) 815 (2.06)
Design Speed: 55mph
Posted Speed: 55mph

F.A.I. Rte. 80 - I-80

ADT: West of Marseilles: 26,400 (2.00) 53,900 (2.06)
East of Marseilles: 23,800 (2.00) 49,100 (2.06)
ADTT: 38.8%

DHV: West of Marseilles: 2,720 (2.00) 5,535 (2.06)
East of Marseilles: 2,380 (2.00) 4,911 (2.06)

Functional Class: Interstate

Design Speed: 70 mph

SEISMIC DATA

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

DESIGN SPECIFICATIONS

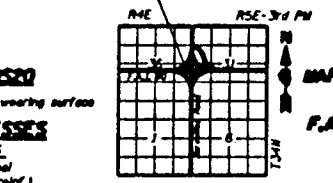
2002 AASHTO

LOADING HS20

Allow 50 lb/ft² for future wearing surface

DESIGN STRESSES

FIELD UNITS
f'c = 3,500 psi
fy = 60,000 psi (rein.)
fy = 50,000 psi (ASTM Grade 50)



LOCATION SKETCH

DESIGNED	MKB
CHECKED	JCD
DRAWN	MKB
CHECKED	JCD

GENERAL PLAN
MARSEILLES ROAD (FAS Rt. 268) OVER
I - 80
F.A.I. ROUTE 80 SECTION 50-5HBK-2
LA SALLE COUNTY
STATION 120+00.08
STRUCTURE NUMBER 050-0245