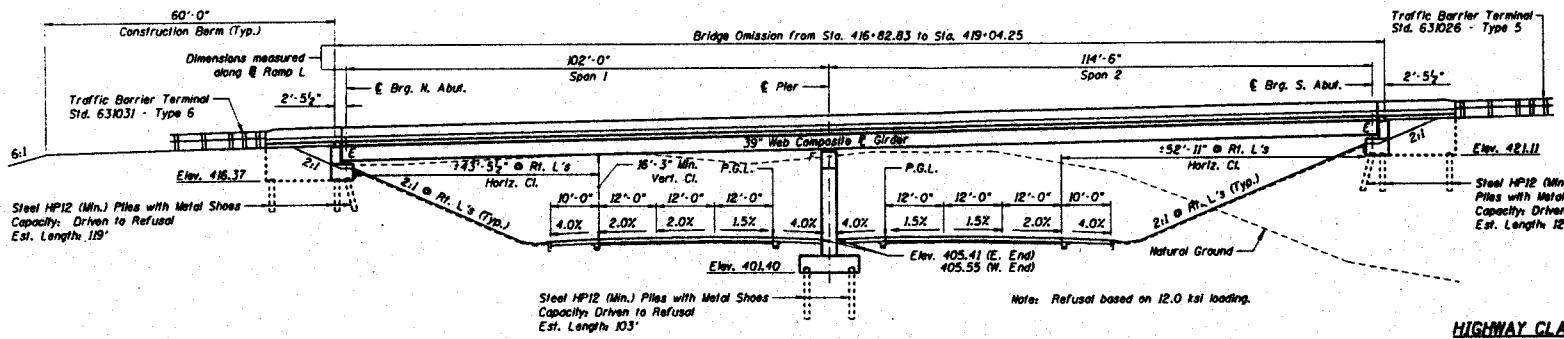
Bench Mark: Top nut of fire hydrant South East quad. of "T" intersection of Collinsville and Pennsylvania. Elev. 420.01.

Existing Structure: None

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
999	81-2-82R	ST. CLAIR	2	1
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



ELEVATION

DESIGN SPECIFICATIONS

1996 AASHTO with 1997, 1998, 1999, & 2000 Interims

DESIGN STRESSES

FIELD UNITS

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

LOADING HS20-44 & ALTERNATE

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

SEISMIC DATA

Seismic Performance Category (SPC) = B
Bedrock Acceleration Coefficient (A) = 0.12g
Site Coefficient (S) = 1.5

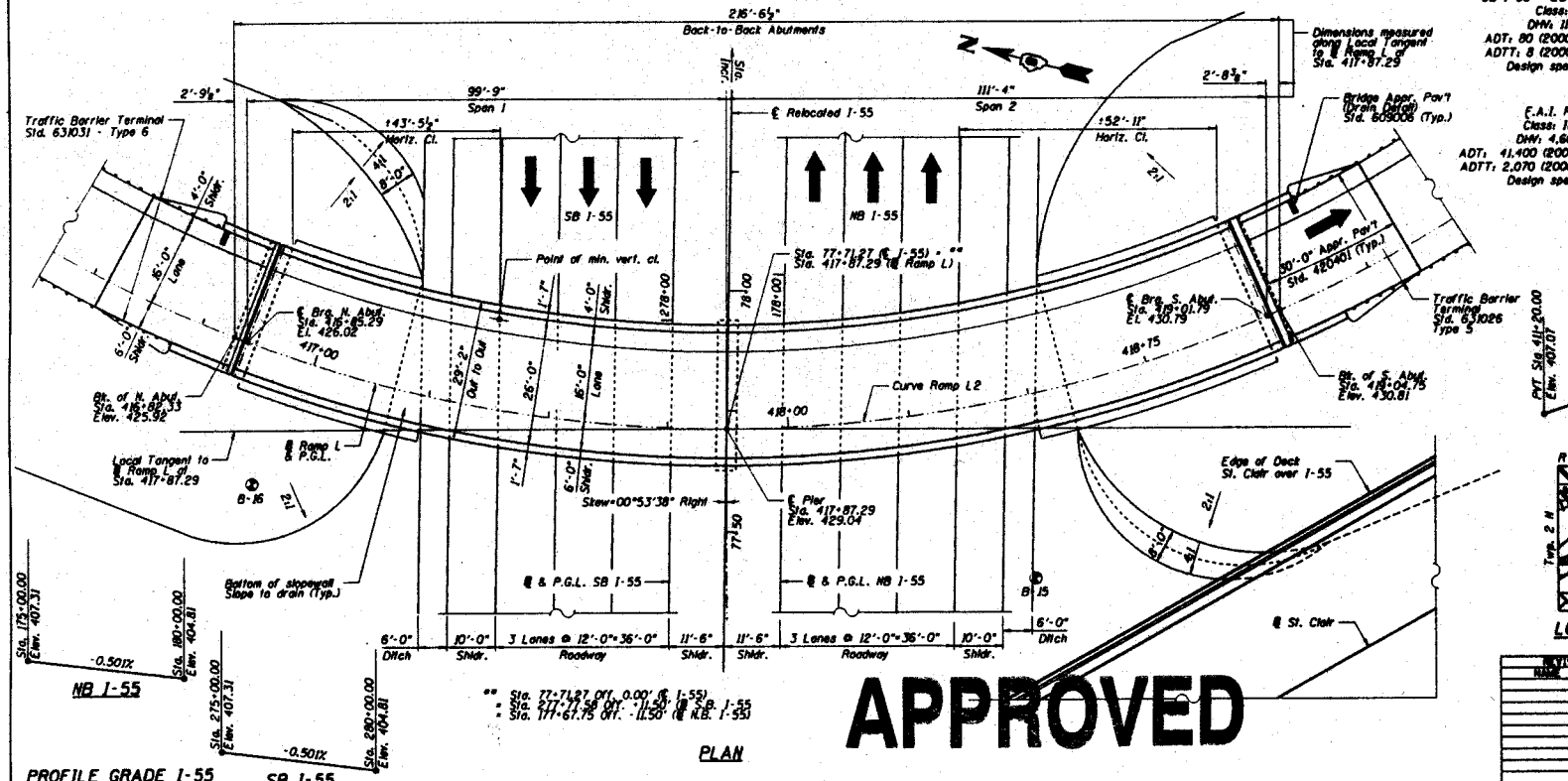
HIGHWAY CLASSIFICATION

SB I-55 - EB I-64 (Ramp L)
Class: Ramp
DHV: 11 (2020)
ADT: 80 (2000) 110 (2020)
ADTT: 8 (2000) 11 (2020)
Design speed: 30 mph

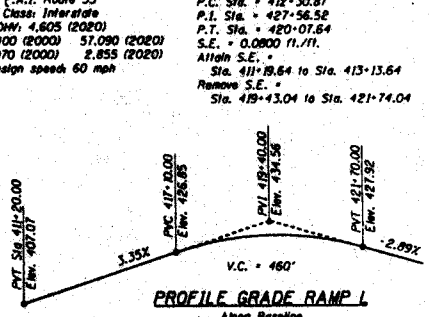
F.A.I. Route 55
Class: Interstate
DHV: 4,605 (2020)
ADT: 41,400 (2000) 57,090 (2020)
ADTT: 2,070 (2000) 2,855 (2020)
Design speed: 60 mph

CURVE DATA RAMP L2

Δ = 159° 14' 15.81" (RT)
D = 20° 30' 00.42"
R = 279.49'
T = 1,525.65'
L = 776.76'
E = 1,271.55'
P.C. Sta. = 412+30.87
P.I. Sta. = 427+56.52
P.T. Sta. = 420+07.64
S.E. = 0.0800 ft./ft.
Attain S.E. = Sta. 411+19.64 to Sta. 413+13.64
Remove S.E. = Sta. 419+43.04 to Sta. 421+74.04



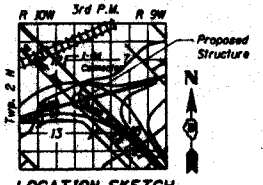
PLAN



PROFILE GRADE RAMP L

Along Baseline

PROFILE GRADE I-55



LOCATION SKETCH

APPROVED

SEP 12 2001

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

GENERAL PLAN
RAMP L OVER I-55
F.A.I. ROUTE 55 SECTION 81-2, 82 R
ST. CLAIR COUNTY
STA. 417+87.29
STRUCTURE NUMBER 082-0376

SCALE: NONE DRAWN BY:
DATE: AUGUST, 2001 CHECKED BY:

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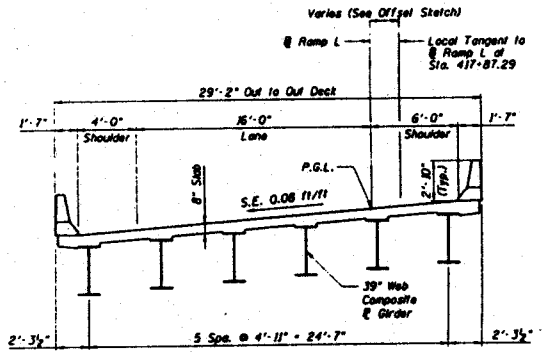
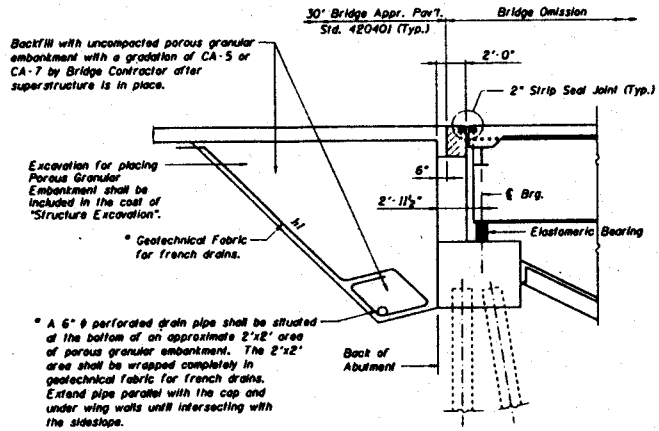
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
999	81-2-82R	ST. CLAIR	2	2
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

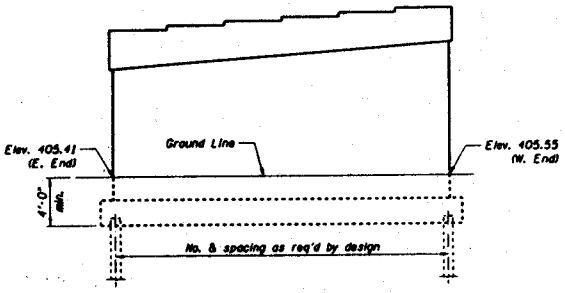
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



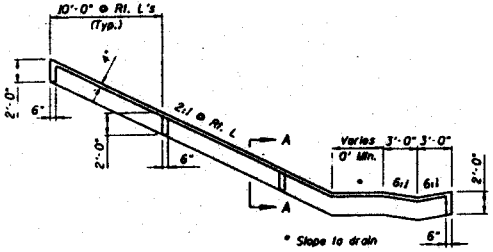
CROSS SECTION
(Looking Upstation)



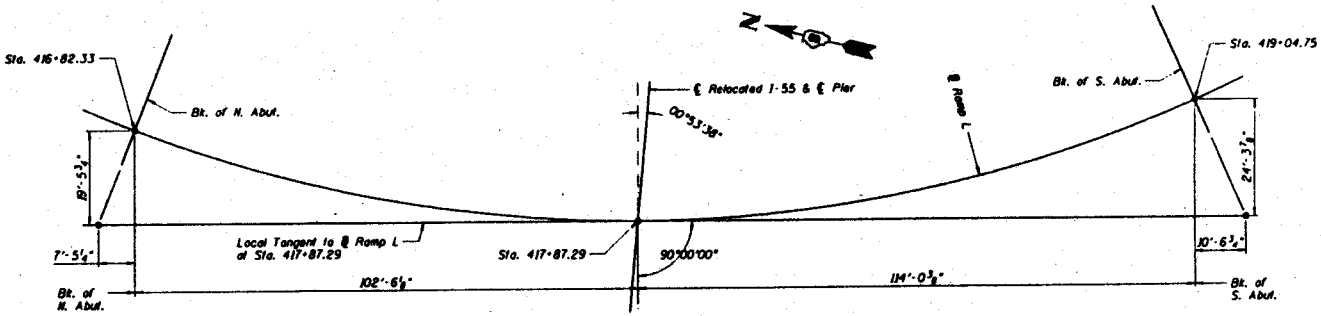
SECTION THRU ABUTMENTS
(Dimensions shown at right angles)



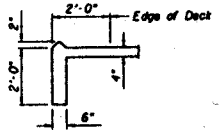
PIER SKETCH
(Looking Upstation)



SECTION THRU SLOPEWALL



OFFSET SKETCH



SECTION A-A

APPROVED

SEP 1 2 2001

AS A BASIS FOR
PREPARATION OF DETAILED PLANS

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SECTIONS AND DETAILS
RAMP L OVER I-55
F.A.I. ROUTE 55 SECTION 81-2. 82 R
ST. CLAIR COUNTY
STA. 417+87.29
STRUCTURE NUMBER 082-0376

SCALE: NONE DRAWN BY:
DATE: AUGUST, 2001 CHECKED BY:

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