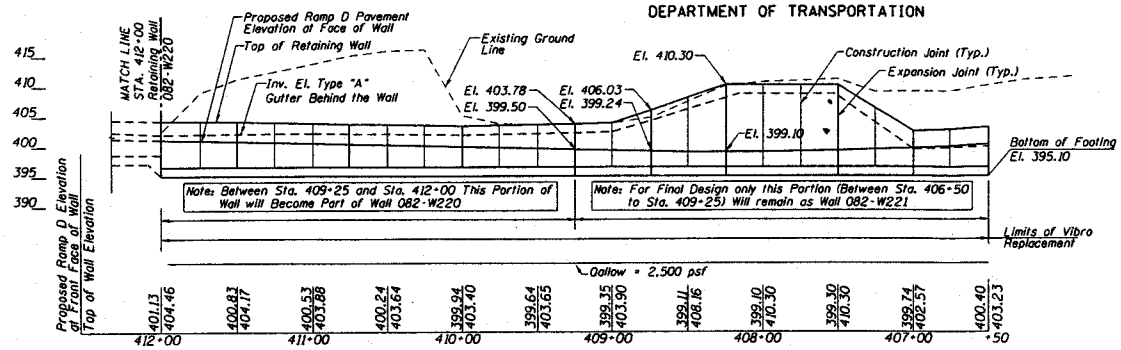
Bench Mark: Cut "x" on Northerly Flange nut Hydrant South of Metrolink Bridge @ Baugh Ave. El. 417.14
Existing Structure: None

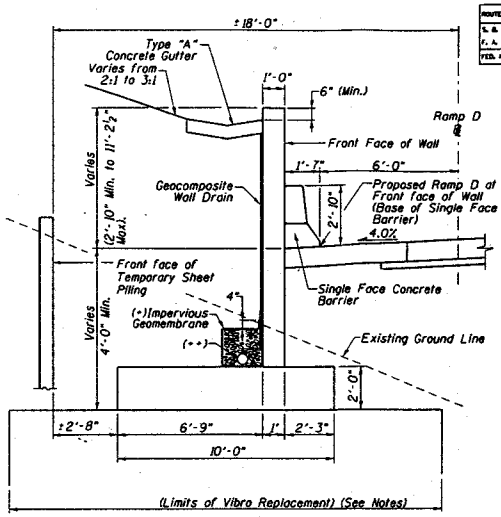
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S. B. L. F. A. I-64	81-2.82R	ST. CLAIR		
FED. ROAD DIST. NO. 8	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 1
1 SHEETS



ELEVATION



TYPICAL SECTION
(Looking East)

Note: Wall Dimensions to be Determined or Subject to Refinement During Final Design

DESIGN SPECIFICATIONS

2002 AASHTO Standard Specifications for Highway Bridges

DESIGN STRESSES

Field Units
f'c = 3,500 psi
fy = 60,000 psi (Reinf.)

SEISMIC DATA

Seismic Performance Category (SPC) = B
Bedrock Acceleration Coefficient (A) = 0.125g
Site Coefficient (S) = 1.5

HIGHWAY CLASSIFICATION

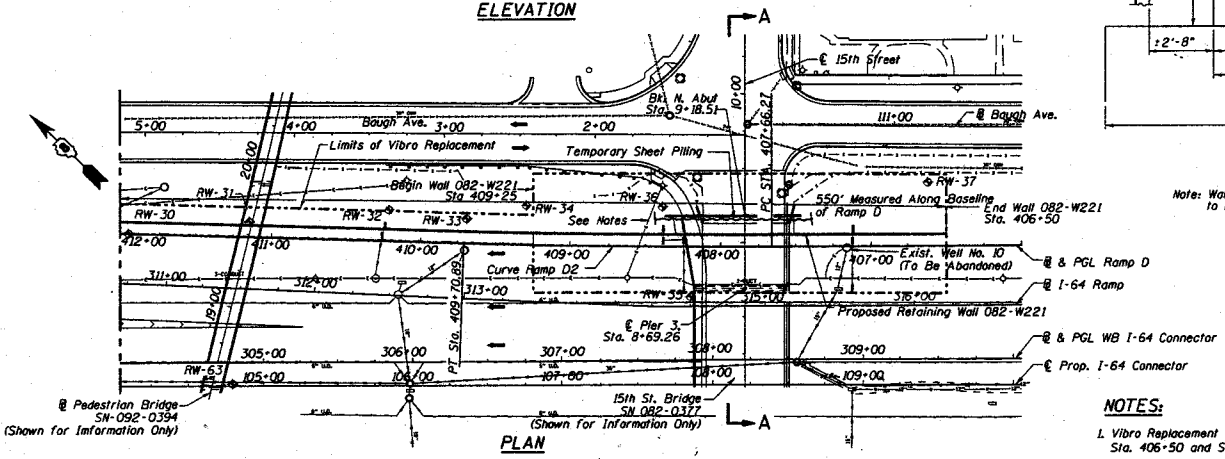
E.B. I-64 Ramp
Class: Interstate
DHV: 1,990 (2020)
ADT: NA (200)
ADT: 24,875 (2020)
ADTT: 2,488 (2020)
Design speed: 60 mph
Posted Speed: 55 mph

CURVE RAMP D2

P.I. Sta.= 408+68.59
Δ= 2° 02' 46.38" (LT)
D= 1° 00' 00.00"
R= 5,729.58'
T= 102.32'
L= 204.62
E= 0.91'
S.E.= 1.5% (N.C.)
P.C. Sta.= 407+66.27
P.T. Sta.= 409+70.89

LEGEND

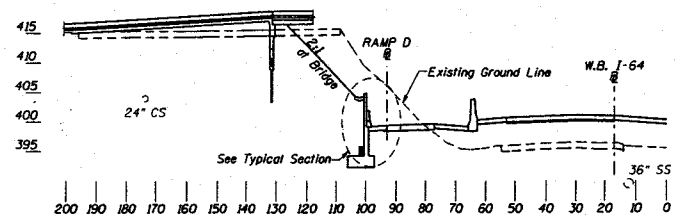
- Soil Boring
- Proposed Manhole
- Proposed Inlet
- Existing Utility Pole
- Existing Fence
- Existing Overhead Electrical Line
- Proposed Storm Sewer



PLAN

NOTES:

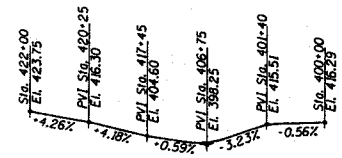
1. Vibro Replacement required down to El. 360.00 between Sta. 406+50 and Sta. 412+00.
2. Width of Vibro Replacement shall be twice the width of Wall Footing from Sta. 409+25 to 412+00
3. Width of Vibro Replacement shall be 80' from Sta. 406+50 to 409+25
4. Electric Lines to be Relocated by others.
5. No Vibro Replacement to be take place within 5 feet of existing Electric Lines.



SECTION A-A
STA. 408+05.25

STATION/OFFSET TABLE

@ of Ramp D Station	Offset (RT) to Front Face of wall
Sta. 412+00	7'-7"
Sta. 411+50	7'-7"
Sta. 411+00	7'-7"
Sta. 410+50	7'-7"
Sta. 410+00	7'-7"
Sta. 409+50	7'-7"
Sta. 409+00	7'-7"
Sta. 408+50	7'-7"
Sta. 408+00	7'-7"
Sta. 407+50	7'-7"
Sta. 407+00	7'-7"
Sta. 406+50	7'-7"



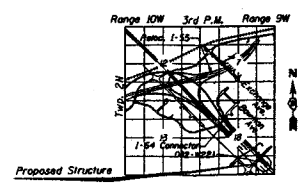
PROFILE GRADE - RAMP D
(Along Baseline)

DESIGNED	H.T.
CHECKED	S.S.J.
DRAWN	B.J.D., J.M.B.
CHECKED	G.A.T.

WALL DRAIN NOTES:

(+) Cost Included with Geocomposite Wall Drain.

(++) 6" Perforated Pipe drain According to Section 601 of the Standard Specifications encased in 18" of CA-5 or CA-7 Course Agreggate. Cost Included with Geocomposite Wall Drain.



LOCATION SKETCH

TYPE, SIZE & LOCATION
GENERAL PLAN

RETAINING WALL 082-W221
W.B. I-64 RAMP D
F.A.I. ROUTE 64, SECTION 81-2.82R
ST. CLAIR COUNTY
STA. 409+00 TO STA. 405+00

Scale: None | Date: April, 2003

45_rw221\1045_rw221_T1.sht 07/15/2003 08:52:46 AM Plotted by: jshah

APPROVED

JUL 28 2003

AS A BASIS FOR
PREPARATION OF DETAILED PLANS