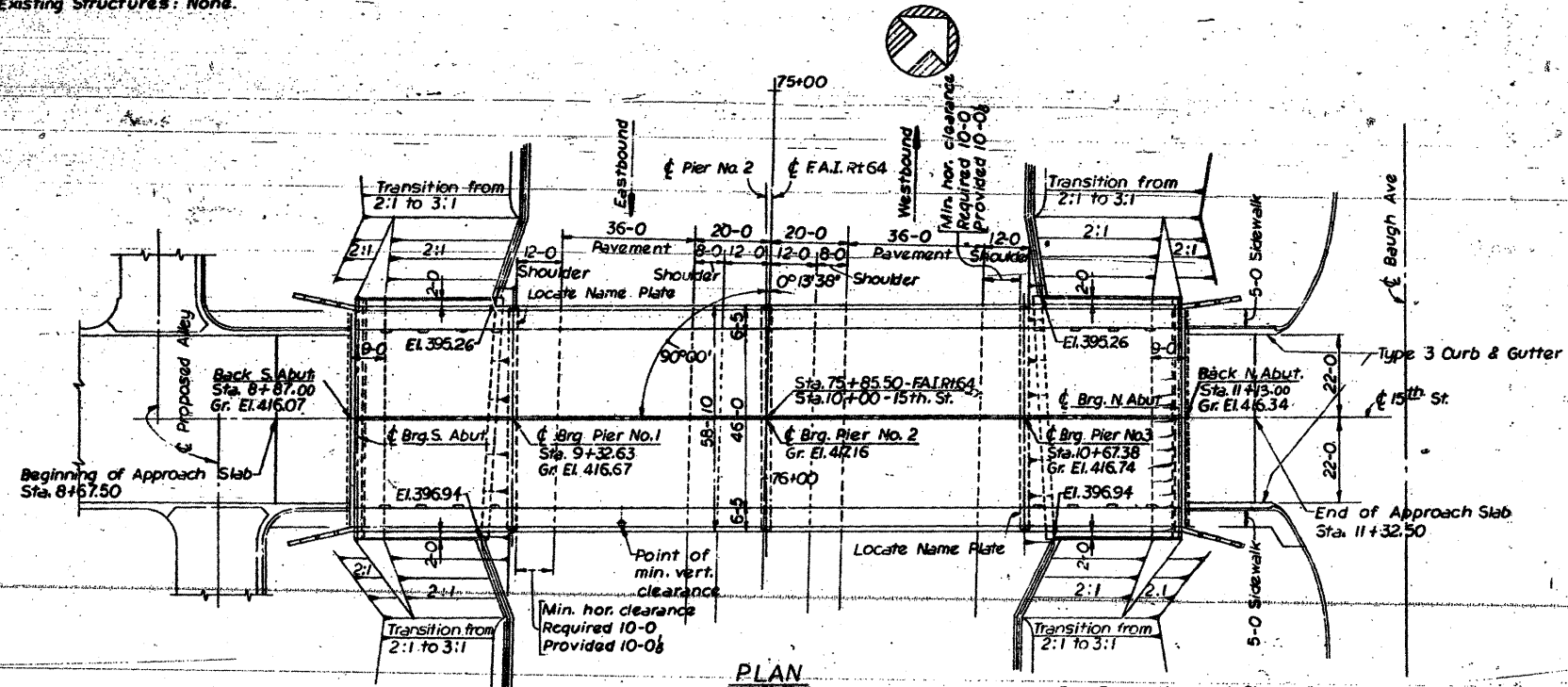


FOR INFORMATION ONLY

B.M. C-11 El. 414.780 Cut + C.B. rim point
 farthest from Curb, N. Side of Baugh,
 150' East of 15th Street.
 Existing Structures: None.

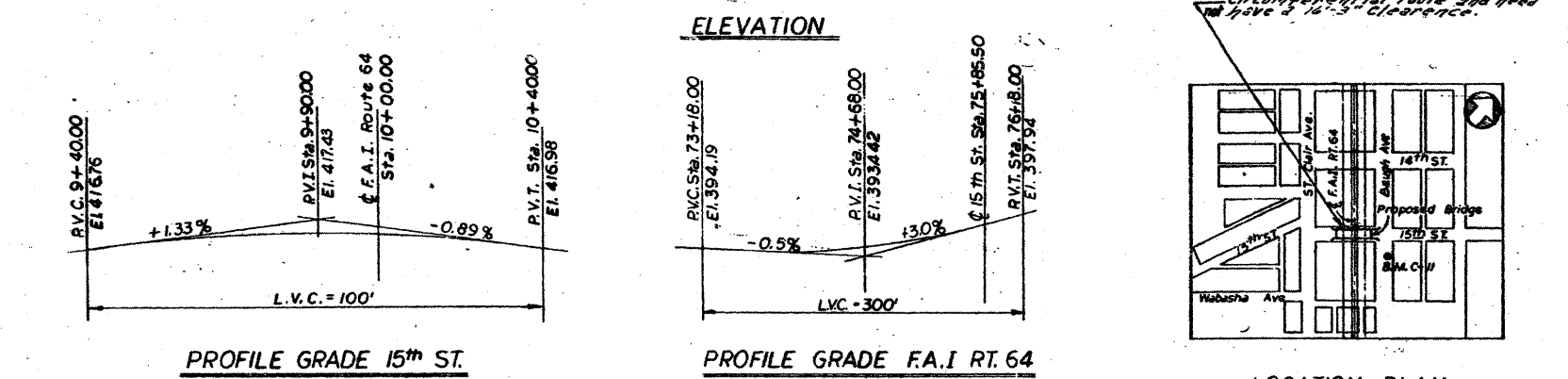
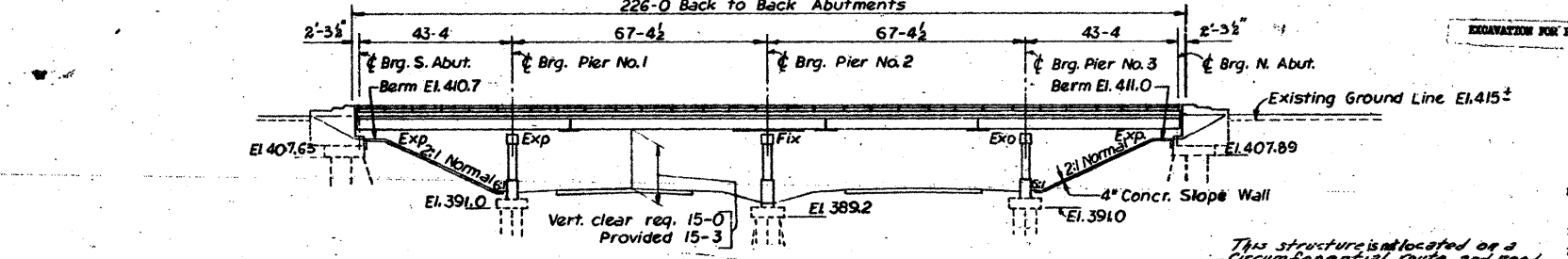
FEDERAL-AID ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
E.A.I. RT. 64	82-1HB-1	ST. CLAIR	345	17
FED. ROAD DIV. NO. 4 ILLINOIS PROJECT 3-64-1(5)D				



GENERAL NOTES:

- Class "X" Concrete shall be used throughout.
- Coarse aggregate which is to be used in parapet, hand rails and end posts must be absolutely free of chert, flint, limonite, lignite, and soft sandstone.
- The concrete floor slab shall be finished in accordance with Article 503.16(f) of the Standard Specifications.
- Slope Wall shall be reinforced with welded wire fabric 6" x 6" mesh, #4 wires, weighing 58# per 100 sq. ft.
- All reinforcement bars shall be lapped 24 dia. unless otherwise noted.
- Fasteners shall be high strength bolts. Bolts 5/8", open holes 3/4", unless otherwise noted.
- Calculated plan weight of structural steel - 354,280 lbs.
- Railings shall be adjusted to true alignment and parapets have been poured.
- All rockers, bolsters, bearing plates, lead plates, pintles and anchor bolts shall be fabricated and set in accordance with Article 503.09 of the Standard Specifications and are included in quantity of Structural Steel.
- Anchor bolts shall be set before riveting diaphragms over supports.
- All aluminum handrail posts shall be vertical.
- The roadway expansion guards shall be fabricated and erected to fit the crown of roadway.
- Expansion guards are included in quantity of Structural Steel.
- The Basic Lead Silico Chromate paint system shall be used for shop and field painting of structural steel. See Supplemental Specifications.
- All paint shall be furnished and applied by the Contractor.
- The Contractor shall drive 1 Test Pile (Concrete) and 2 Test Piles (Timber) in permanent locations as directed by the Engineer before ordering or casting remainder of piles.
- Locate one test pile each, at S. Abut., Pier No. 1 and Pier No. 3.
- All Timber Piles shall be crosscut.
- All structural steel shall be A-36.

PLAN
 For Excavation and Slope Wall Details see Sheet No. 10



PROFILE GRADE 15th ST
 PROFILE GRADE F.A.I. RT. 64
 LOCATION PLAN

DESIGN STRESSES

- fc = 1400 psi Superstructure and Substructure without earth pressure.
- fc = 1000 psi Substructure with earth pressure.
- fs = 20,000 p.s.i. Reinforcing Steel.
- fs = 20,000 p.s.i. Structural Steel.
- n = 10.
- v = 75 p.s.i. Pier Footings.

STA. 75+85.50
 BUILT BY
 STATE OF ILLINOIS
 F.A.I. RT. 64 SEC. 82-1HB-1
 EA. PROJ. 1-64-1(5)
 LOADING HS-20

NAME PLATE *At abutments.
 See Standard 2113-1 *** Includes excavation for slope wall
 For Location see Plan & Sheet No. 7

LOADING: HS-20-44

TOTAL BILL OF MATERIAL

ITEM	Unit	Section 82-1HB-1		Total
		Super	Sub	
Class "X" Concrete	Cu.Yds.	414.9	367.0	781.9
Reinforcement bars	Lbs.	89,280	32,170	121,450
Structural Steel	Lump Sum	4.5		4.5
Steel Rolling Type M **	L.F.	446		446
Name Plates	Each	2	2	4
Concrete Piles	L.F.	1060	1060	2120
Test Piles (Concrete)	Each	1	1	2
Crossed Piles (up to 20')	L.F.	1300	1300	2600
Bridge Seal Sealant	L.S.	1	1	2
Test Piles (Crossed Timber)	Each	2	2	4
Slope Wall (4")	Sq.Yds.	594	594	1188
Class "X" Excavation for Structures	Cu.Yds.	609	609	1218
Special Excavation	Cu.Yds.	12,428	12,428	24,856
Protective Coat	Sq.Yds.	1620	1620	3240
Alum. Rolling Type L **	L.F.	446		446

*** Alternate see sheet #18

STATE OF ILLINOIS
 DEPARTMENT OF PUBLIC WORKS & BLDGS.
 DIVISION OF HIGHWAYS
 GENERAL PLAN AND ELEVATION
 15TH ST.
 OVER F.A.I. RT. 64
 STATION 75+85.50
 F.A.I. RT. 64 ST. CLAIR CO. SECTION 82-1HB-1
 H. W. LOCHNER, INC.
 CONSULTING ENGINEERS
 CHICAGO, ILLINOIS
 SHEET 1 OF 11

Drawn by: P.A.S.
 Checked by: A.T.

Original Quantities: Cl. X Conc. Sub 374.7 Total 781.5 Cu.Yds., Reinf. Bars Sub 30,190; Super 11210, Total 11510 Lbs., Slope Wall 574 Sq. Yds., Cl. A EXCAV. 787 Cu. Yds., Added Protective Coat 1620 Sq. Yds; Bridge Seal Sealant L.S. 1, Structural Steel 354,280 Lbs.; Concrete Piles 2352 L.F.; Alum. Rolling Type L ** 446; Rev. 1/23/20 5th. Steel from 354,280 Lbs. to Lump Sum S.M. Rev. 12-22-67 6-24-70 J.M.J. Rev. Reinf. bars from 11210 to 121,450