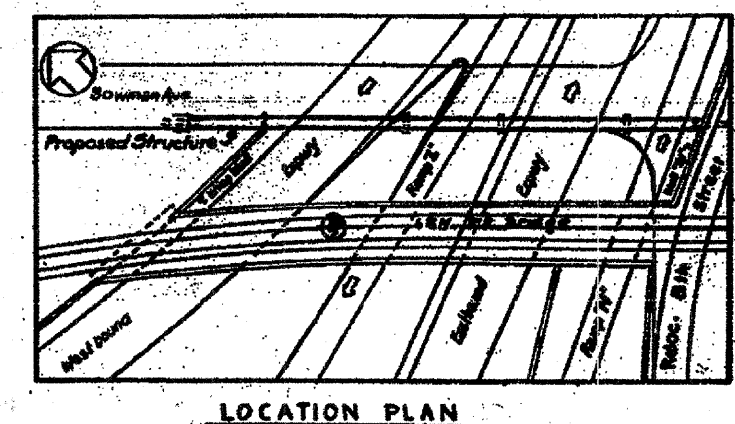
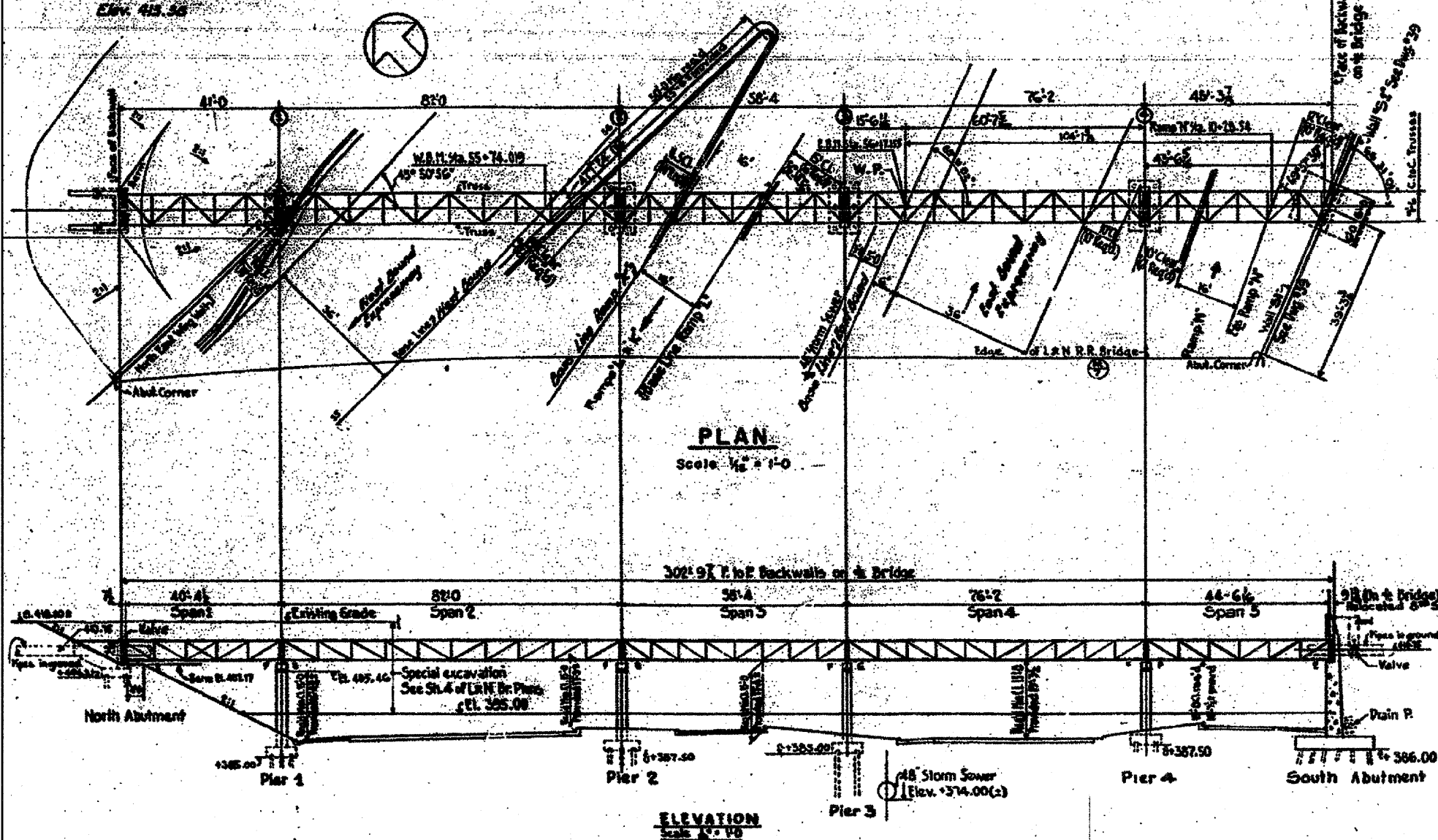


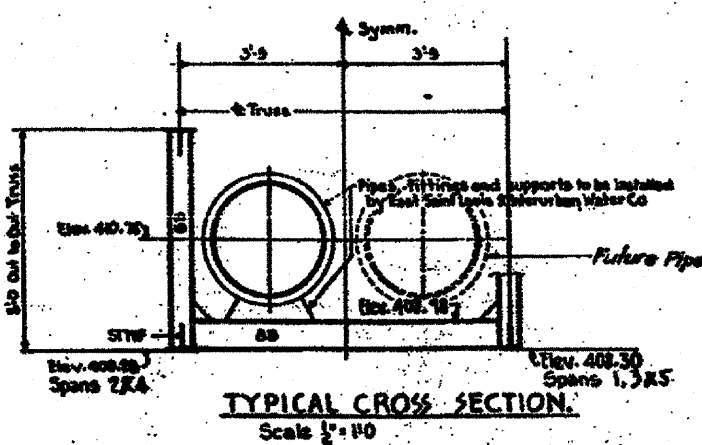
GENERAL- ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	POST NO.
E.A.S.-70	1-11	ST. CLAIR	629	487A
FED. ROAD DIST. NO. 7 ILLINOIS PROJECT				

6.M. No. 13
East side of Bowman Ave.
South side of 8th St.
Iron pipe on S.E. corner of
8th St & Bowman Ave.
Elev. 415.50



GENERAL NOTES

- MATERIAL & WORKMANSHIP**
State of Illinois "Standard Specifications for Road and Bridge Construction" adopted January 2, 1958.
- DESIGN**
Superstructure: A.I.S.C. "Specification for the Design, Fabrication and Erection of Structural Steel for Buildings" Revised June, 1949
Substructure: A.A.S.H.O. "Standard Specifications for Highway Bridges" - 1957
- LOADING**
For Foot of Bridges: Dead & Live: LL¹, Wind 0.2^K
- CONCRETE**
Class 30 concrete shall be used throughout.
- DESIGN UNIT STRESSES**
Concrete: E=4,000,000 psi, f_c=20,000 psi, n=12, Footings v=75 psi, Substructure with Earth Pressure: f_c=1000 psi.
Structural Steel f_s=20,000 psi.
- PILES**
The contractor shall drive 6 test piles in permanent locations as directed by the Engineer, before ordering remainder of piles. One test pile shall be located under each Abutment and Pier. All piles shall be cross-tied.
- SUPERSTRUCTURE**
To be all shopwelded. A.S.T.M. designation A375 steel shall be used in all members designed to carry stress. Shop to tack weld temporary bracing between top chords of trusses. This bracing to remain in place until field erection of bridge is complete.
- PAINT**
Except as otherwise provided all structural steel shall receive one shop coat of red lead paint and two field coats of aluminum paint. See Articles 56.1 to 56.5 inclusive of the Standard Specifications. All paint shall be furnished and applied by the Contractor involved.
- WATERPROOFING**
The following surfaces of the bridge shall be waterproofed: Back of backwall and backs of wingwalls at North Abutment, and back of South Abutment. Waterproofing shall be done in accordance with Article 51.21 of the Standard Specifications.



TOTAL BILL OF MATERIAL FOR PIPE BRIDGE

UNIT	DESCRIPTION	SUPER-STRUCTURE	SUB-STRUCTURE	TOTAL
CY	CLASS 3 EXCAVATION FOR STRUCTURES		358	358
CY	CLASS 3 CONCRETE		127.0	127.0
LB	REINFORCEMENT BARS		14000	14000
LB	STRUCTURAL STEEL	30840		30840
EA.	TEST PILES (CROSS-TIED)	6		6
LF	FURNISHING CROSS-TIED PILES (GUIDES)	1169		1169
LF	DRIVING TINDER PILES	1169		1169
LF	3/4" PERF. CORR. GALV. METAL PIPE	12		12
LF	CHAIN LINK FENCE	12		12
CY	POROUS GRANULAR EMBANKMENT		39	39

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BLDGS.
DIVISION OF HIGHWAYS
EAST ST. LOUIS & INTERURBAN WATER CO.
EAST ST. LOUIS EXPRESSWAY
BRIDGE FOR 2 30" WATER PIPES
OVER E.A.S.-07
GENERAL PLAN
H. W. LOCHNER, INC.
ENGINEERS
DATE: JULY 1960 CHICAGO, ILLINOIS SHEET NO. 23

Designed by J.V.
Drawn by J.V.
Checked by H.H.