

BENCHMARK: Three Spikes Nails in North Foot of 48" Cottonwood, N.E. of Existing Bridge
Elev. 423.93

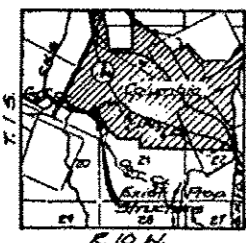
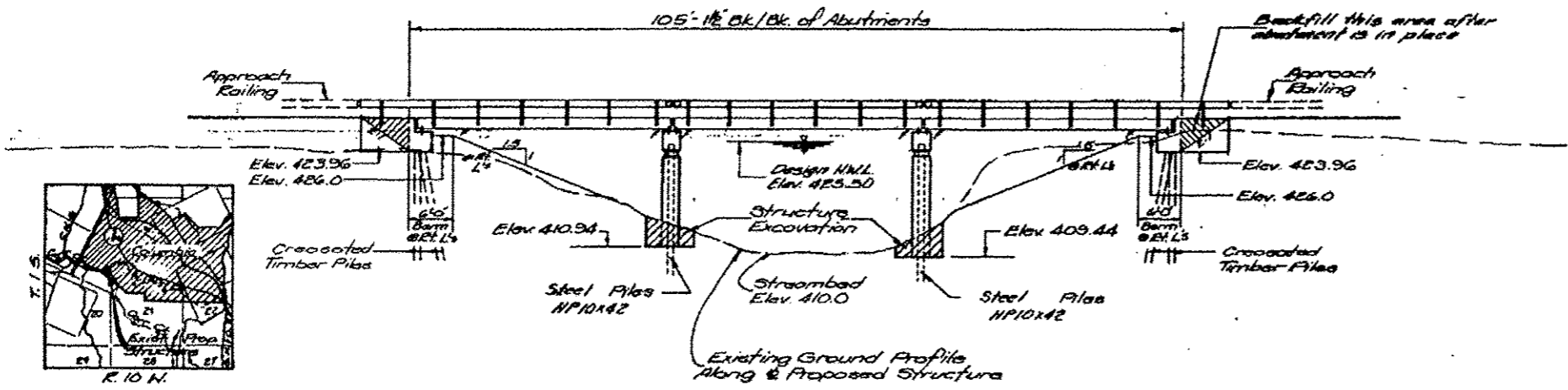
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VALMEYER ROAD	78-00023-00-BR	MONROE	11	6

EXISTING STRUCTURE:

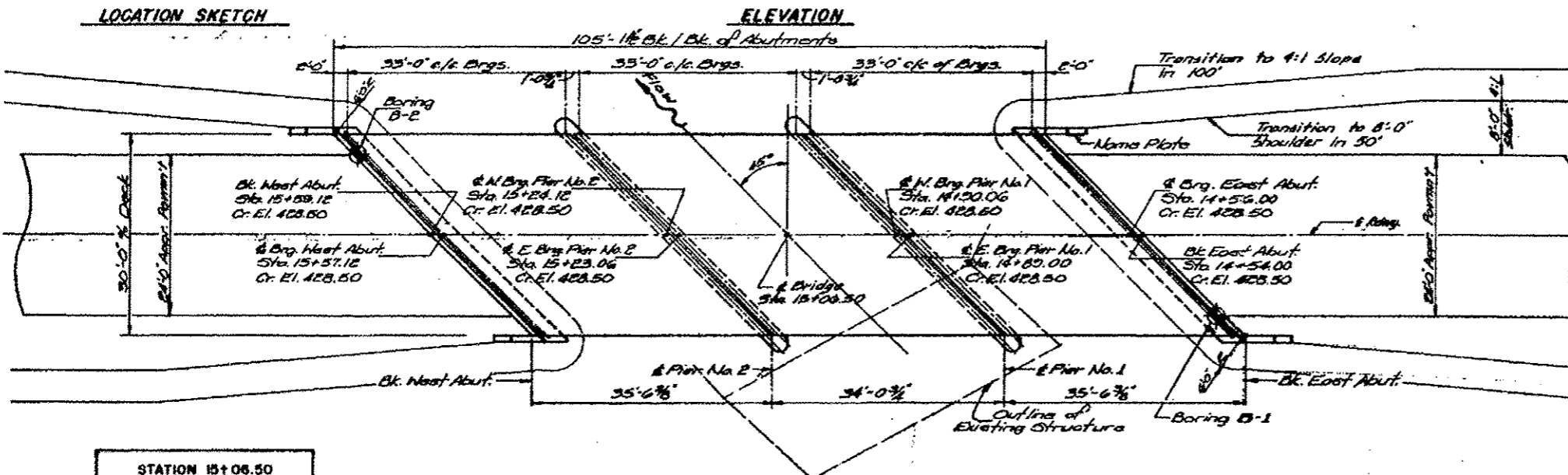
Structure No. 067-6000 One single span of 42 feet. Steel wide flange beams with wood plank deck supported by solid masonry abutments. Infractor to remove and dispose of existing Superstructure and Substructure. No Salvage.

GENERAL NOTES

- See Special Provisions for Boring Data.
- The Contractor shall drive one (1) Timber test pile in a permanent location of the East Abutment and one (1) HP10x42 test pile in a permanent location of Pier No. 2 as directed by the Engineer before ordering the remainder of piles.
- Reinforcement bars used in Substructure units shall conform to A.A.S.H.T.O. M-31 grade 60 or M-53 grade 60.



LOCATION SKETCH



WATERWAY INFORMATION

Drainage Area 101 Sq. Mi.
Design Discharge (30 Year) 600 cfs.
Existing Waterway Opening (Below 30 Year H.W.E.) 304 Sq. Ft.
Required Waterway Opening (Below 30 Year H.W.E.) 570 Sq. Ft.
Proposed Waterway Opening (Below 30 Year H.W.E.) 570 Sq. Ft.
Created Head for 30 Year Design Flood Flow 0.60 Ft.
100 Year Discharge 6811 cfs.
Created Head for 100 Year Flood 0.60 Ft.

Note: Relief flow over approach roadway of Design Flood and 100 Year Flood.

TOTAL BILL OF MATERIAL

Item.	Unit	Super.	Sub.	Total
Removal of Existing Structures	Ea.	—	—	1
Class X Concrete	C.Y.	5.6	174.7	180.3
Asphalt Concrete Bridge Slab (depth)	S.F.	3053	—	3053
Reinforcement Bars	Lbs.	350	11700	12050
Furnishing Crossed Piles 201 to 28	L.F.	—	556	556
Furnishing Steel Piles HP10x42	L.F.	—	1125	1125
Driving Timber Piles	L.F.	—	556	556
Driving Steel Piles HP10x42	L.F.	—	1125	1125
Test Pile Timber	Ea.	—	1	1
Test Pile Steel HP10x42	Ea.	—	1	1
Steel Railing, Type 5	L.F.	228	—	228
Name Plate	Ea.	—	—	1
Structure Excavation	C.Y.	—	—	77

STATION 15+06.50
CARR CREEK
BUILT 197 BY
CITY OF COLUMBIA
SEC. 78-00023-00-BR
LOADING HS 20
STRUCTURE NO 067-6002

NAME PLATE
(See Std. 0113)

DESIGNED:	K.L.F.
CHECKED:	B.H.C.
DRAWN:	R.A.W.
CHECKED:	K.L.F.

KENNETH L. FIGGE
REGISTERED STRUCTURAL
ENGINEER IN ILLINOIS
NO. 2992

DESIGN STRESSES
CAST IN PLACE CONCRETE
f_c = 3,500 p.s.i.
f_y = 60,000 p.s.i. (Reinf.)

APPROVED
FOR STRUCTURAL AGENCY ONLY

GENERAL PLAN & ELEVATION
VALMEYER ROAD OVER CARR CREEK
SECTION 78-00023-00-BR
CITY OF COLUMBIA

LOADING HS 20-44
Specification: 1977 A.A.S.H.T.O. and Applicable Interim

FILE NAME: P:\120613\4-CADD - DWG\4-3-ST-0576802-97524-007-Existing Plans (Sheet 6).dgn