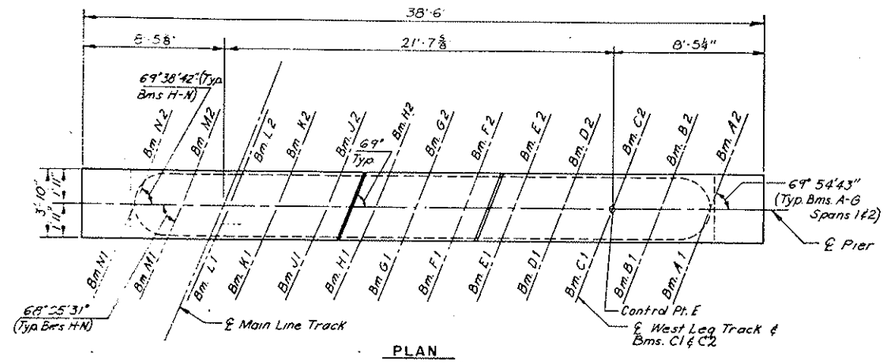
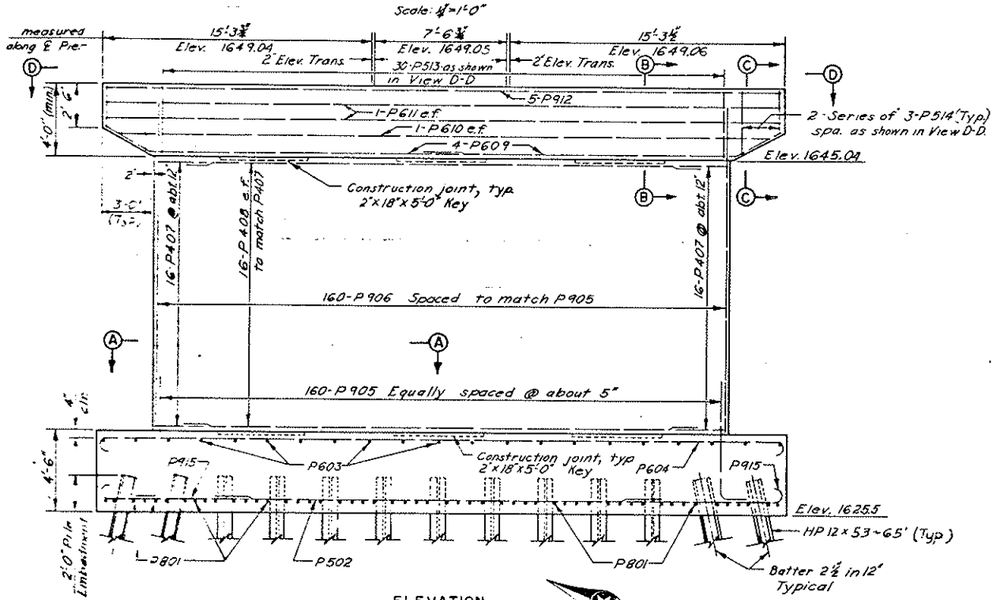
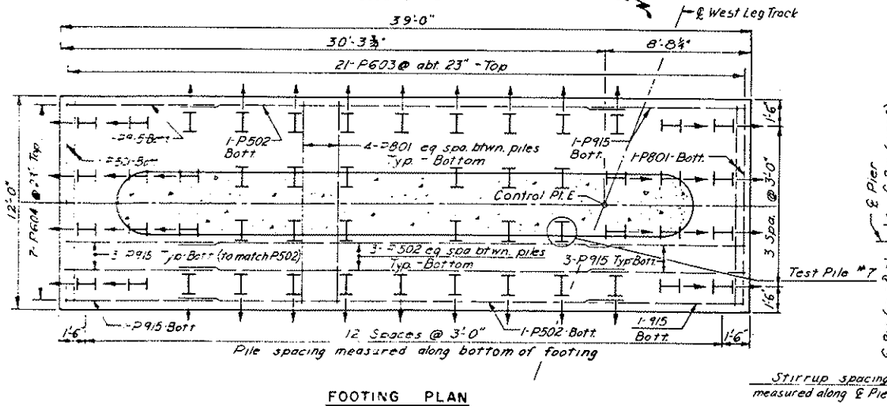
BRIDGE CODE	R.R. BRIDGE NO	FED ROAD DIST NO	STATE	PROJ NO	FISCAL YEAR	SHEET NO	TOTAL SHEETS
X631	199	8	N.D	MG-1-010 (051) 917		23	



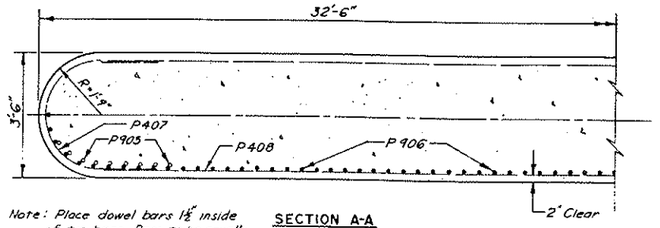
PLAN
Scale: ½"=1'-0"



ELEVATION
Scale: ½"=1'-0"

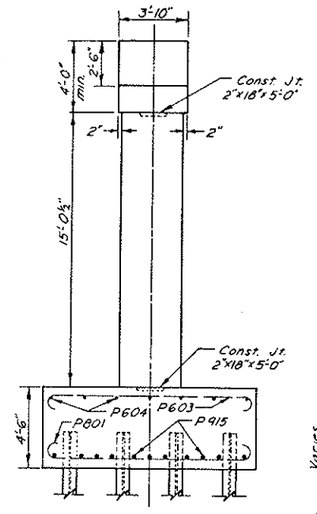


FOOTING PLAN
Scale: ¼" = 1'-0"

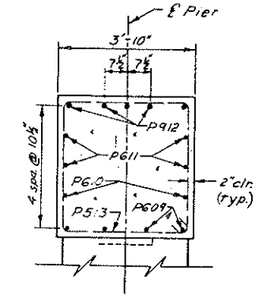


Note: Place dowel bars 1½" inside of tie bars. Bars to be equally spaced along the perimeter of the column shaft.

SECTION A-A
Scale: ½"=1'-0"

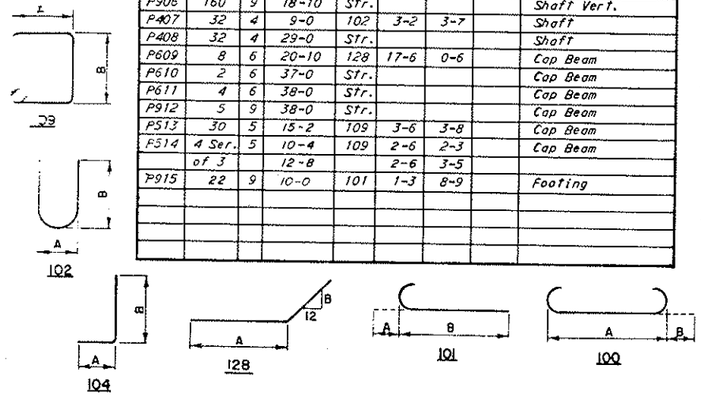


END VIEW
Scale: ½"=1'-0"



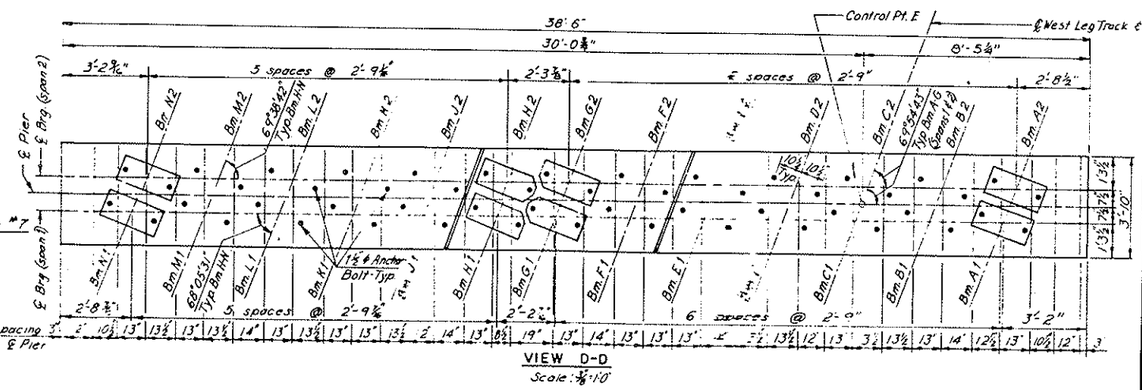
SECTION B-B
Scale: ½"=1'-0"

SECTION C-C
Scale: ½"=1'-0"



BILL OF REINFORCEMENT

BAR	NO.	SIZE	LENGTH	TYPE	DIMENSIONS A	B	C	LOCATION
P801	52	8	13-8	100	11-6	1-1		Footing
P502	11	5	25-0	Str.				Footing
P603	21	6	12-10	100	11-6	0-8		Footing
P604	7	6	39-10	100	38-6	0-8		Footing
P905	160	9	9-3	104	1-6	7-9		Footing Dowel
P906	160	9	18-10	Str.				Shaft Vert.
P407	32	4	9-0	102	3-2	3-7		Shaft
P408	32	4	29-0	Str.				Shaft
P609	8	6	20-10	128	17-6	0-6		Cap Beam
P610	2	6	37-0	Str.				Cap Beam
P611	4	6	38-0	Str.				Cap Beam
P912	5	9	38-0	Str.				Cap Beam
P513	30	5	15-2	109	3-6	3-8		Cap Beam
P514	4 Ser.	5	10-4	109	2-6	2-3		Cap Beam
	of 3		12-8		2-6	3-5		
P915	22	9	10-0	101	1-3	8-9		Footing



VIEW D-D
Scale: ⅜"=1'-0"

QUANTITIES

Reinforcing Steel	21,698 lbs
Steel Piling (HP12x53)	3,135 Lin Ft
Class AE-1 Mod Concrete	161.3 Cu Yd
Class 1 Excavation	133 Cu Yd
Steel Test Piles (HP12x53) @ 7'-0"	1 Each

PIER 2B DETAILS
BRIDGE B
BURLINGTON NORTHERN, INC.
RAILWAY UNDERPASSES

U.S. HIGHWAY NO. 10
MORTON COUNTY

10-916.95-25