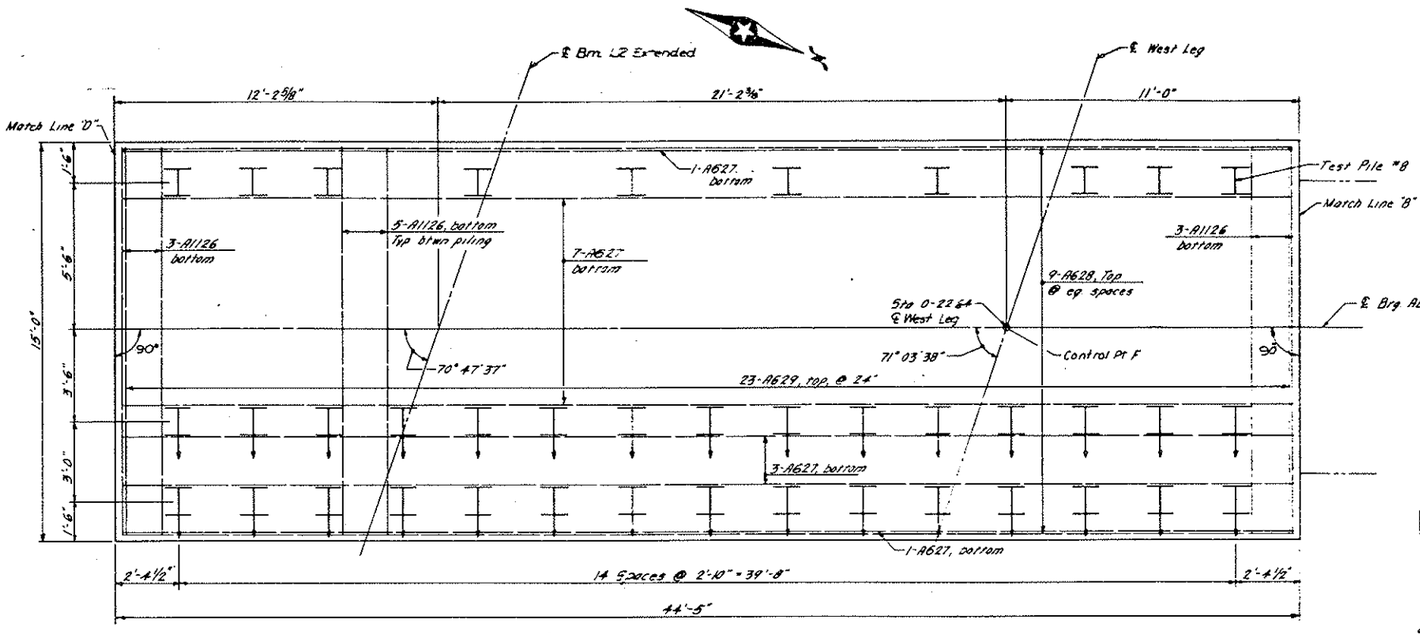
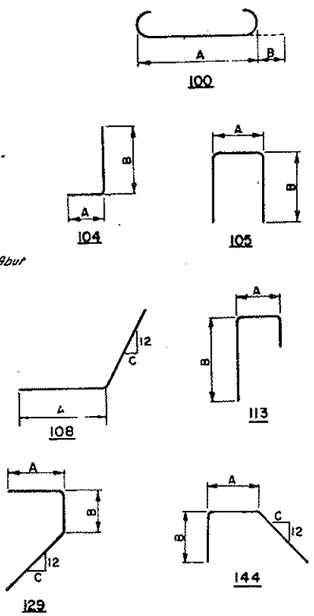
BRIDGE CODE	R.R. BRIDGE NO.	FED ROAD DIST NO	STATE PROJ NO	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
X631	199	8	N D MG-1-010 (05) 91.7		15	

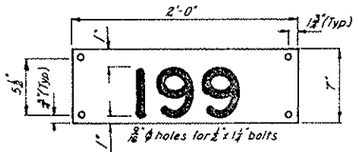


FOOTING PLAN
Scale: 3/8" = 1'-0"



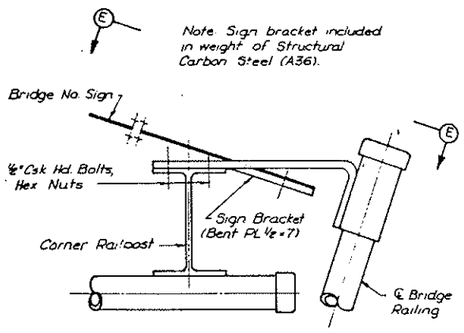
BILL OF REINFORCEMENT - ABUTMENT 3B

BAR	NO.	SIZE	LENGTH	TYPE	DIMENSIONS A	B	C	LOCATION
A501	5	5	10-8	113	1-6	7-0		Wingwall
A502	3	5	7-9	108	4-7		3	Backwall
A503	3	5	11-0	113	1-11	7-0		Backwall
A504	5	5	11-0	133	0-9	1-6	3½	Wingwall
A505	14	5	9-2	113	1-7	5-6		Backwall
A506	1 Ser.	5	9-6	113	1-10	5-6		Backwall
	of 9		12-10		5-2	5-6		
A507	1 Ser.	5	8-10	113	1-4	5-6		Backwall
	of 10		12-0		4-6	5-6		
A508	3	5	10-2	113	1-0	7-0		Backwall
A509	1	5	7-0	105	3-0	2-0		Wingwall
A510	42	5	6-8	104	2-0	4-8		Barrel-Horiz.
A511	20	5	4-8	129	2-0	0-8	3½	Barrel-Horiz.
A912	34	9	23-6	Str.				Barrel-Vert.
A913	79	9	22-0	Str.				Barrel-Vert.
A514	6	5	23-6	Str.				Barrel-Vert.
A515	39	5	18-4	Str.				Barrel-Vert.
A516	23	5	14-4	104	6-3	8-1		Barrel-Horiz.
A517	23	5	17-2	104	5-4	11-10		Barrel-Horiz.
A518	24	5	14-6	Str.				Barrel-Horiz.
A519	23	5	19-6	104	4-9	14-3		Barrel-Horiz.
A520	25	5	6-9	144	2-9	1-11	4	Barrel-Horiz.
A521	4	5	41-9	128	36-9	4		Backwall
A522	20	5	44-1	Str.				Barrel-Horiz.
A923	113	9	8-7	104	1-6	7-1		Footing Dowel
A524	45	5	6-11	104	1-6	5-5		Footing Dowel
A525	3	5	6-9	108	3-7		3	Backwall
A1126	76	11	17-8	100	14-6	1-7		Footing
A627	12	6	43-11	Str.				Footing
A628	9	6	43-11	Str.				Footing
A629	23	6	15-10	100	14-6	0-3		Footing
A530	2	5	42-6	Str.				Barrel-Horiz.
A531	3	5	5-6	104	2-0	3-6		Barrel-Horiz.
A532	2	5	6-5	Str.				Wingwall
A533	5	5	5-0	104	1-11	3-1		Wingwall
A534	7	5	7-0	Str.				Wingwall
A535	1 Ser.	5	3-8	Str.				Approach Block
	of 4		13-4					
A536	1 Ser.	5	2-10	Str.				Approach Block
	of 4		12-4					

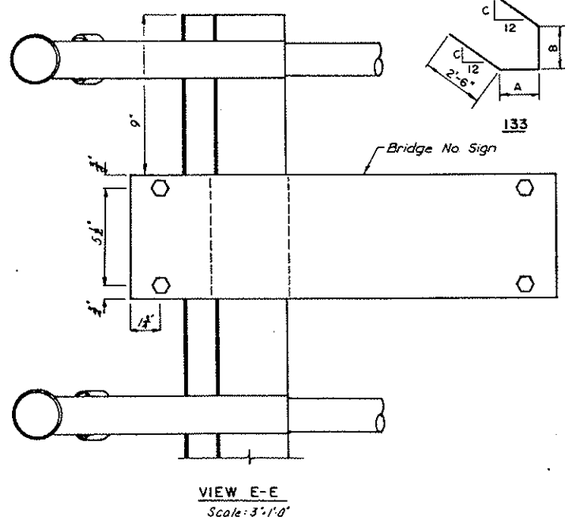


BRIDGE NUMBER SIGN
1 required for Abutment 1B
1 required for Abutment 3B

Note:
Bridge Number Signs are overlays and shall be made of 0.025" Thick 61S-T6 sheet aluminum. After degreasing and treatment of aluminum, apply black Scotchcal No. 655, or approved equal, to face of sign. Then apply 5" Series "D" U.S. Bureau of Public Roads Administration standard numerals of wide angle silver No. 2270 Scothlite, or approved equal. Sign overlay to be bolted with galvanized or cadmium plated bolts to a No. 7 wrought iron plate of same size. The plate to be given two coats of jet black enamel to both sides.



DETAIL M
Scale: 3"=1'-0"



VIEW E-E
Scale: 3"=1'-0"

QUANTITIES

Reinforcing Steel	26,293 lbs
Steel Piling (HP 21 53)	2,535 Lin Ft
Class AE-1 Mod Concrete	293.0 Cu Yd
Class 1 Excavation	174 Cu Yd
Steel Test Piles	
(HP12x53) @ 75'	1 Each

ABUTMENT 3B DETAILS
(SHEET 2 OF 2)
BRIDGE B
BURLINGTON NORTHERN, INC.
RAILWAY UNDERPASSES

U.S. HIGHWAY NO. 10
MORTON COUNTY

10-916.95-22