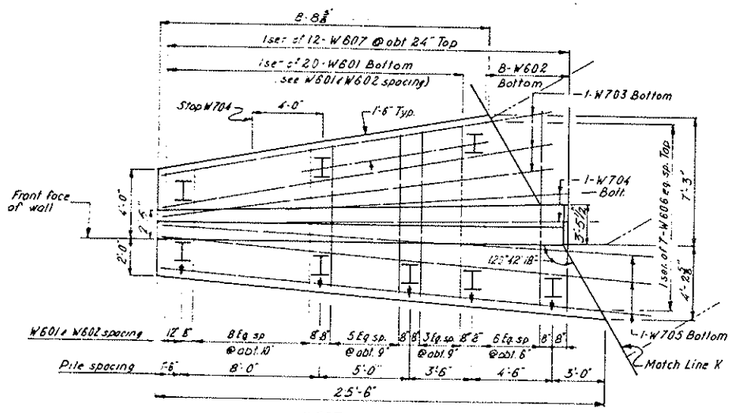
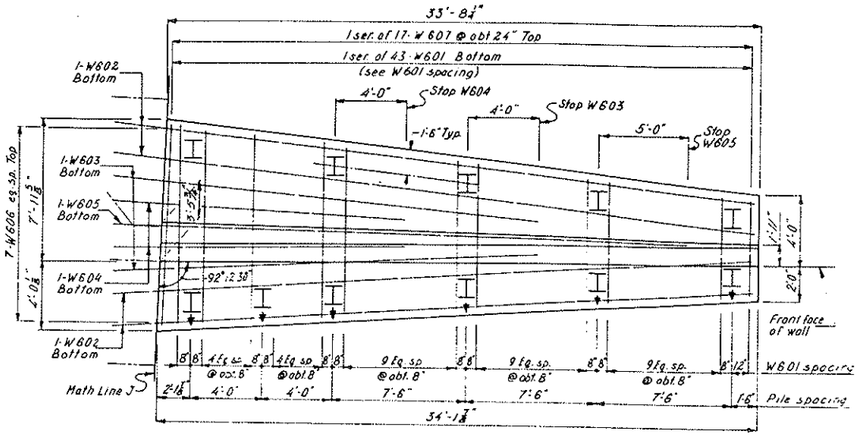
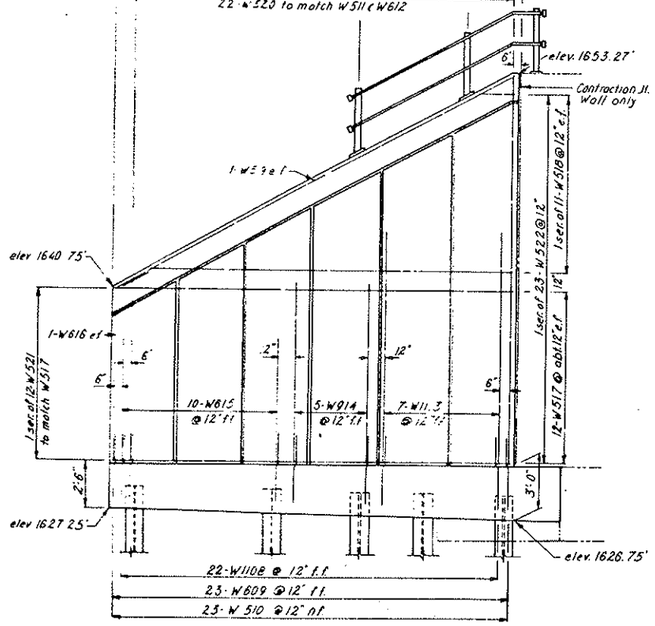
BRIDGE CODE	R.R. BRIDGE NO	FED ROAD DIST NO	STATE	PROJ NO	FISCAL YEAR	SHEET NO	TOTAL SHEETS
X671	199	8	N D	NG-1-010 (05) 917		22	



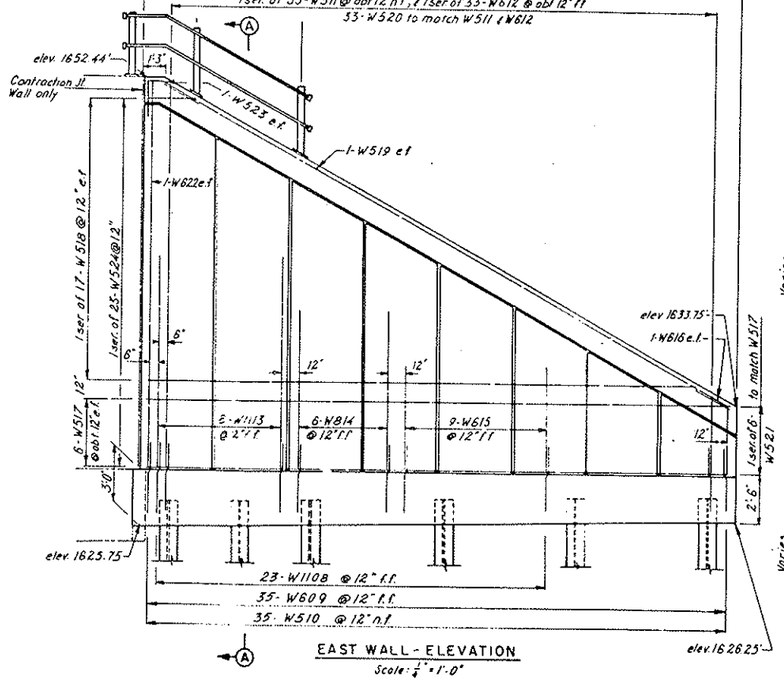
WEST WALL - PLAN
Scale: 1/4" = 1'-0"



EAST WALL - PLAN
Scale: 1/4" = 1'-0"



WEST WALL - ELEVATION
Scale: 1/4" = 1'-0"



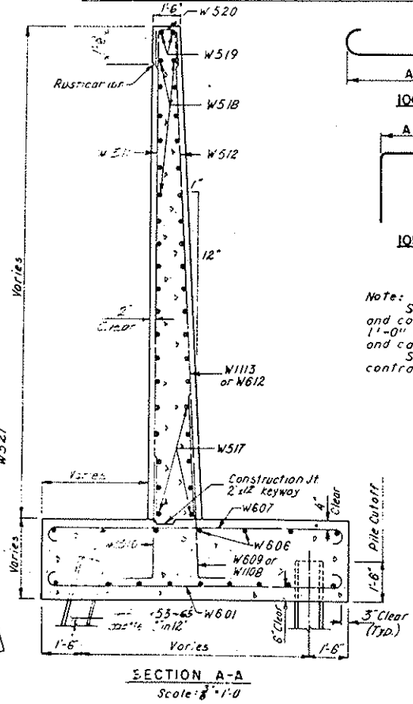
EAST WALL - ELEVATION
Scale: 1/4" = 1'-0"

BILL OF REINFORCEMENT

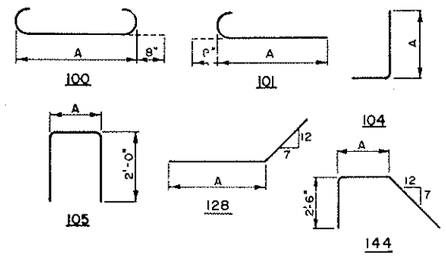
BAR	NO.	SIZE	LENGTH	TYPE	DIM. A	LOCATION
WEST WINGWALL						
#5 21	1 Ser.	6	6-10	100	5-6	Footing
	of 20		11-4		10-0	
#5 02	8	6	10-11	101	10-3	Footing
#5 03	3	7	22-5	Str.		Footing
#5 04	2	7	17-6	Str.		Footing
#5 05	3	7	28-0	Str.		Footing
#5 06	1 Ser.	6	20-9	Str.		Footing
	of 7		28-0			
#5 07	1 Ser.	6	6-10	100	5-6	Footing
	of 12		11-8		10-4	
#5 08	22	11	8-0	104	7-0	Footing
#5 09	23	6	5-10	104	4-10	Footing
#5 10	23	5	5-6	104	4-6	Footing
#5 11	1 Ser.	5	11-4	Str.		Vertical
	of 22		23-3			
#5 12	1 Ser.	6	11-4	Str.		Vertical
	of 22		23-3			
#5 13	7	11	14-0	Str.		Vertical
#5 14	5	9	11-0	Str.		Vertical
#5 15	10	6	8-0	Str.		Vertical
#5 16		6	13-6	128	10-10	Vertical
#5 17	24	5	22-8	Str.		Horizontal
#5 18	2 Ser.		2-0	Str.		Horizontal
	of 11		21-0			
#5 19	2	5	25-6	Str.		Horizontal
#5 20	22	5	5-2	105	1-2	Vertical
#5 21	1 Ser.	5	5-0	105	1-0	Horizontal
	of 12		5-11		1-11	
#5 22	1 Ser.	5	5-0	105	1-0	Horizontal
	of 23		6-10		2-10	

BAR	NO.	SIZE	LENGTH	TYPE	DIM. A	LOCATION
EAST WINGWALL						
W601	1 Ser.	6	6-10	100	5-6	Footing
	of 43		12-10		11-6	
W602	4	6	36-6	Str.		Footing
W603	2	6	24-6	Str.		Footing
W604	2	6	16-6	Str.		Footing
W605	1	6	32-9	Str.		Footing
W606	7	6	37-0	Str.		Footing
W607	1 Ser.	6	6-10	100	5-6	Footing
	of 17		12-10		11-6	
W1108	23	11	8-0	104	7-0	Footing
W609	35	6	5-10	104	4-10	Footing
W510	35	5	5-6	104	4-6	Footing
W511	1 Ser.	5	5-6	Str.		Vertical
	of 33		23-3			
W612	1 Ser.	6	5-6	Str.		Vertical
	of 33		23-3			
W1113	8	11	13-0	Str.		Vertical
W814	6	8	10-0	Str.		Vertical
W615	9	6	7-0	Str.		Vertical
W516	2	6	7-6	Str.	4-10	Vertical
W517	12	5	33-8	Str.		Horizontal
W518	2 Ser.		3-0	Str.		Horizontal
	of 17		31-9			
W519	2	5	37-3	Str.		Horizontal
W520	33	5	5-2	105	1-2	Vertical
W521	1 Ser.	5	5-0	105	1-0	Horizontal
	of 6		5-5		1-5	
W622	2	6	23-4	Str.		Vertical
W523	2	5	5-6	144	C-11	
W524	1 Ser.	5	5-0	105	1-0	Horizontal
	of 23		6-11		2-11	

1'-6" = W520



SECTION A-A
Scale: 3/8" = 1'-0"



Note:
See sheet 32 for details of railing on wingwalls and corner railpost on abutments. Railing to extend 1'-0" beyond centerline of last railpost on wingwall and capped.
See Dowel Bar Assembly detail on sheet 32 for contraction joint details.

QUANTITIES

Reinforcing Steel	12,274 Lbs
Steel Piling (HP12x53)	1,235 Lin Ft
Class AE-1 Mod Concrete	130.6 Cu Yd
Class 1 Excavation	104 Cu Yd
Structural Carbon Steel (A36)	555 Lbs

WINGWALL DETAILS
BRIDGE A
BURLINGTON NORTHERN, INC. RAILWAY UNDERPASSES
U.S. HIGHWAY NO. 10
MORTON COUNTY

10-916.95-9