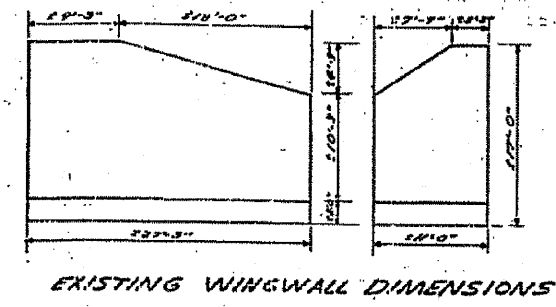
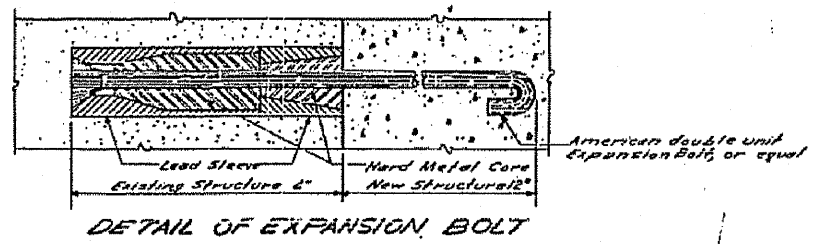
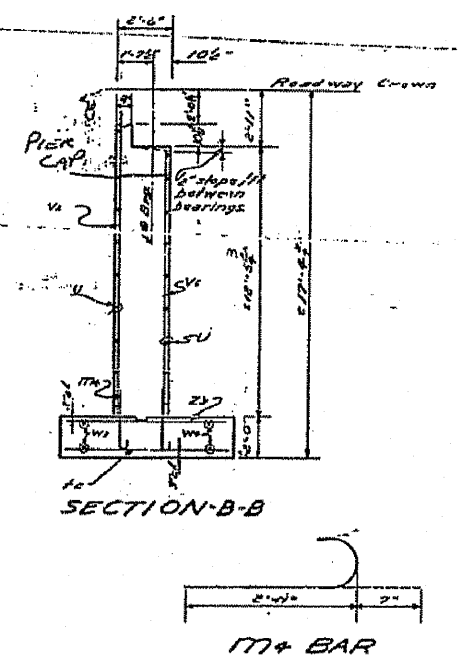
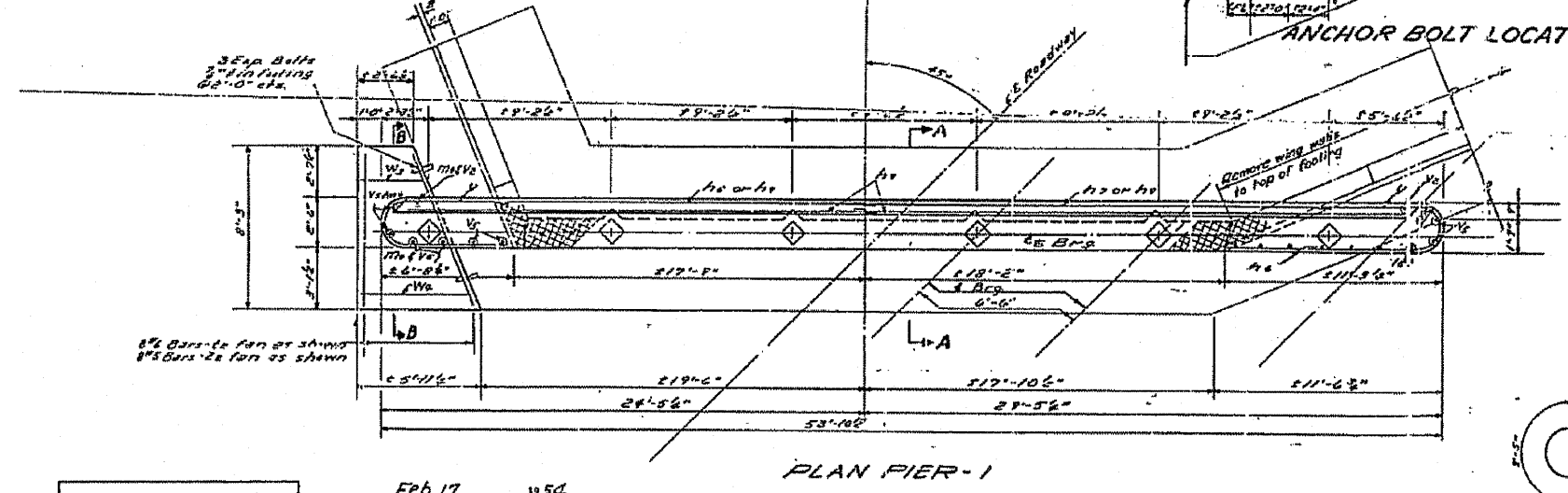
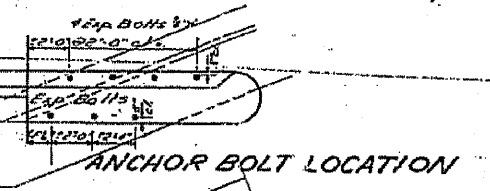
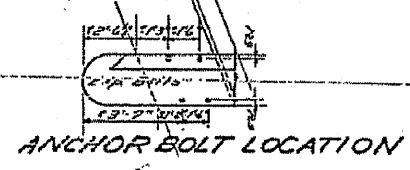
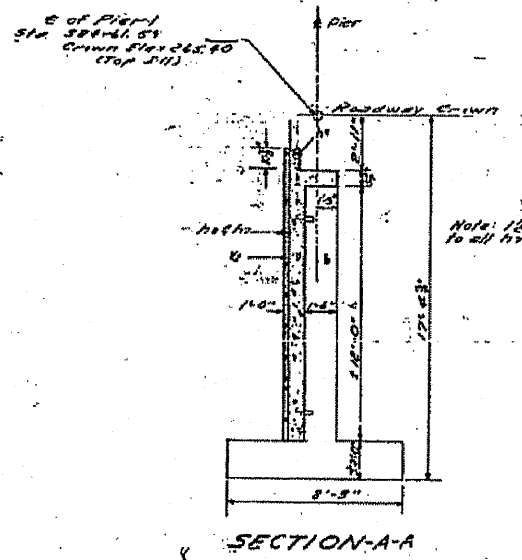
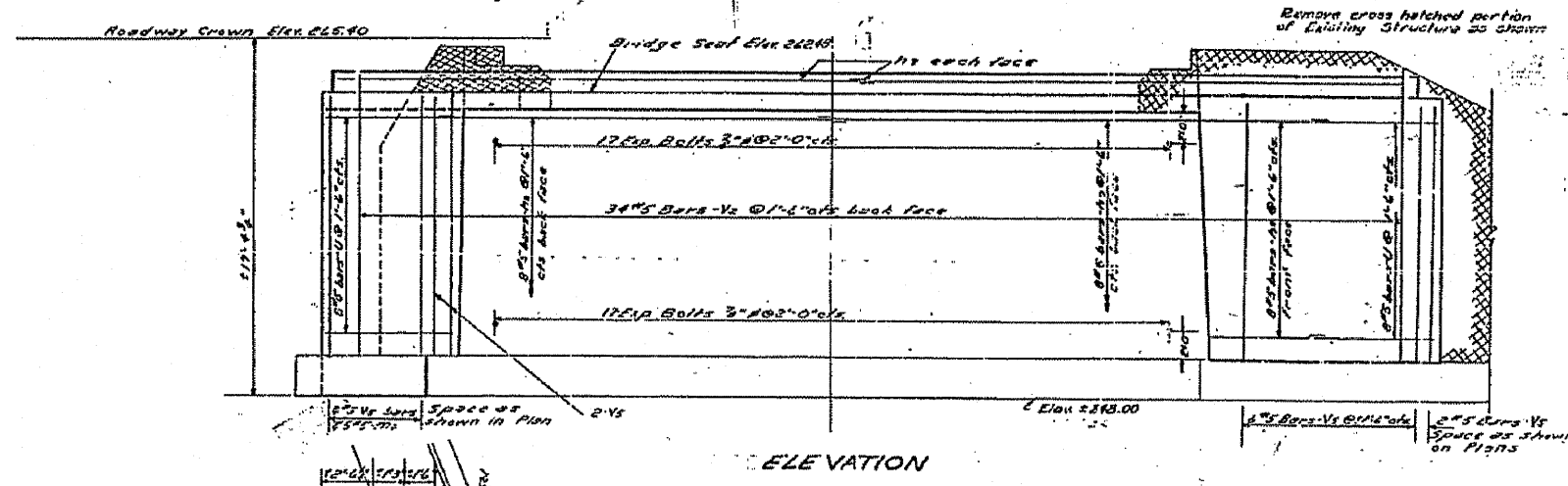


STATE OF ILLINOIS  
DEPARTMENT OF PUBLIC WORKS & BUILDINGS  
DIVISION OF HIGHWAYS

DATE	BY	NO.	REVISED	DATE	SHEET NO.
8.13.08	Grundy	34	20		7
FED. ROAD DIST. NO. 119 BR. ILLINOIS FED. AID PROJECT F-204(10)					



**NOTES**  
Clean reinforcement in existing wingwalls & extend into new work.  
Parts of existing Abutment & wingwall shall be removed as shown.  
This work shall be paid for as Concrete Removal Est. H.O. CUYDs.



**BILL OF MATERIALS**

BAR NO	SIZE	LENGTH	SHAPE
A6	#5	2'-0"	
A7	#5	25'-6"	
A8	#5	20'-6"	
A9	#5	26'-0"	
A10	#5	3'-5"	
B1	#6	8'-0"	
U	#5	18'-5"	
V1	#5	11'-5"	
V2	#5	12'-6"	
W1	#5	2'-0"	
W2	#5	8'-8"	
Z1	#5	8'-0"	

Reinforcement Bars	Lbs.	1660
Class X Concrete	Cu Yds	408
Class A Excavator Struck	Cu Yds	66
Class B Excavator Struck	Cu Yds	55
Expansion Bolts	Each	48
Concrete Removal	Cu Yds	18.8

DESIGNED: Grant J. Sullivan  
CHECKED: R.F. Rhon  
DRAWN: O.S.S. F. Groesch  
CHECKED: R.F. Rhon

FRB 17 19 54  
EXAMINED: W.E. Hanson  
PASSED: [Signature]  
APPROVED: [Signature]

PIER-1  
PROJ. F-204(5)  
S.B.I. RT 47 SEC 119BY  
GRUNDY COUNTY  
STA 385+20