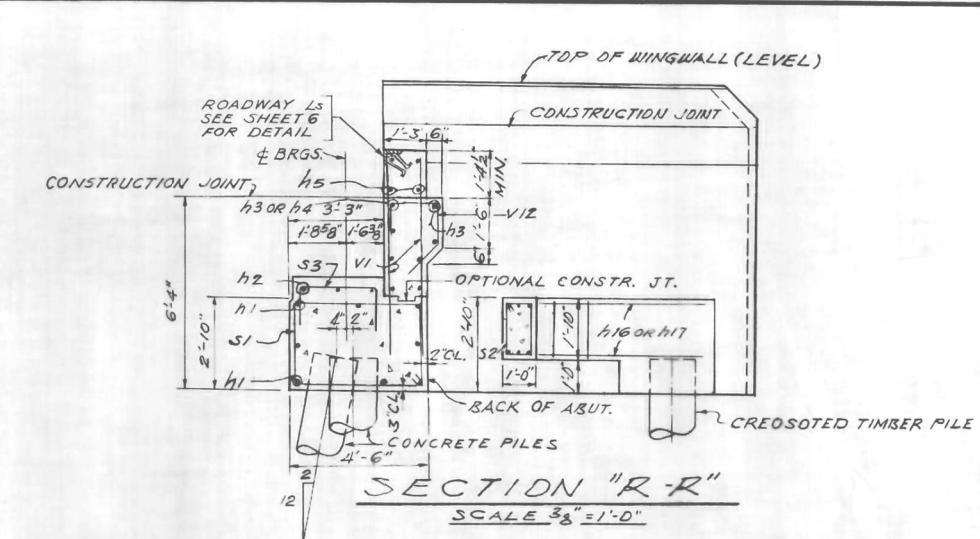
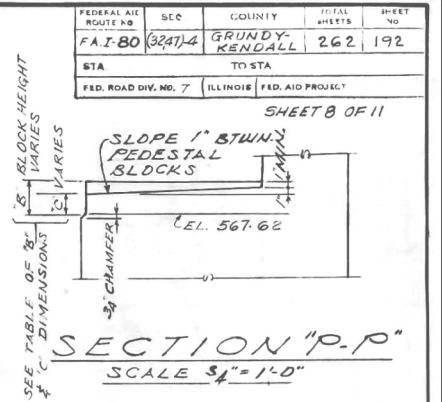


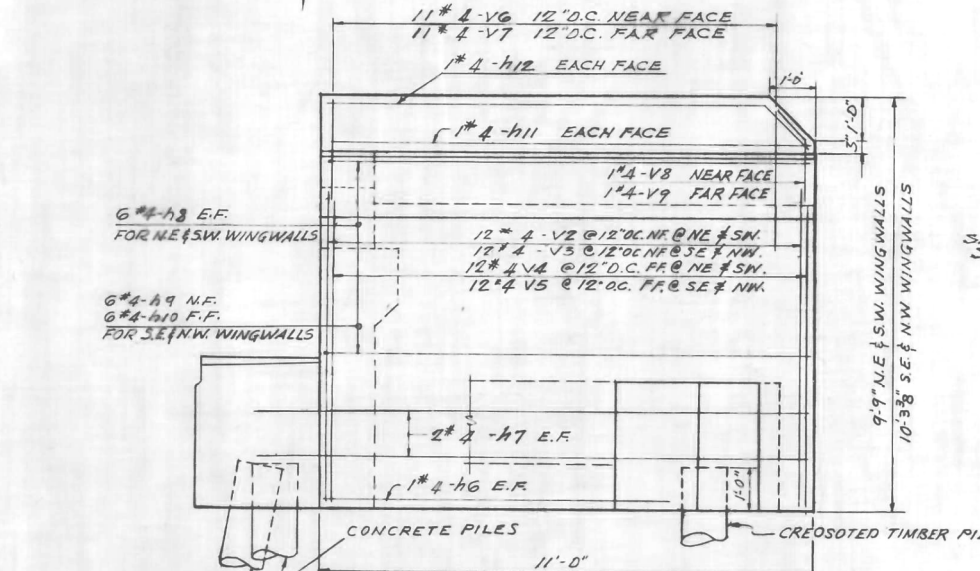
HALF SECTION "A" SCALE 1/4" = 1'-0"  
 HALF PLAN SCALE 1/4" = 1'-0"



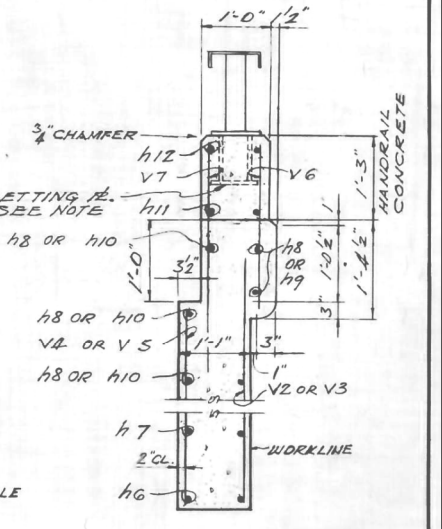
SECTION "R-R" SCALE 3/8" = 1'-0"



SECTION "P-P" SCALE 3/4" = 1'-0"

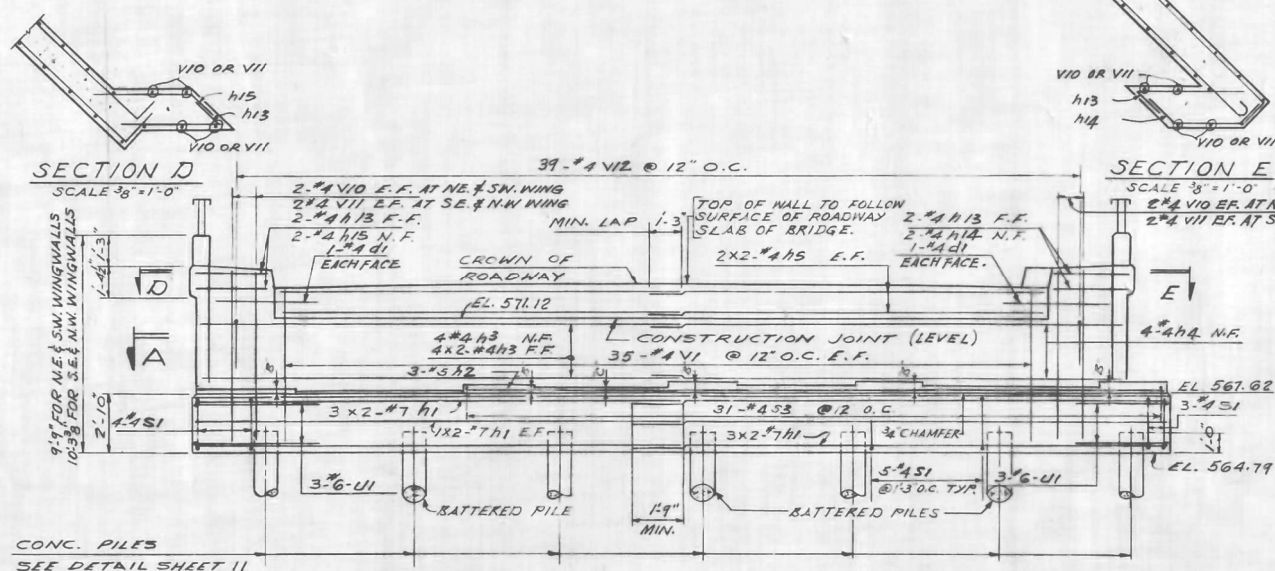


WING WALL ELEVATION SCALE 1/2" = 1'-0"



SECTION "N-N" SCALE 3/4" = 1'-0"

NOTE: SETTING PLATE TO BE CAST IN PLACE WITH HANDRAIL CONCRETE



FRONT ELEVATION (2 STRUCTURES THUS) SCALE 1/4" = 1'-0"

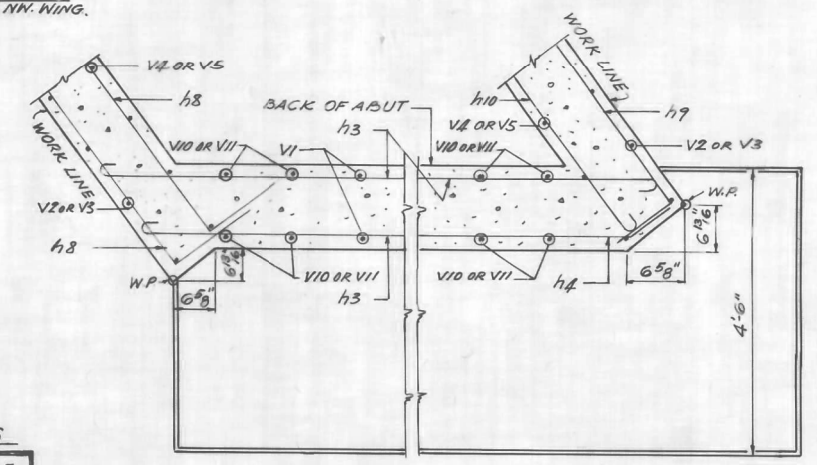
PILE SCHEDULE FOR EACH ABUT.

PILES	CONCRETE	CREOSOTED
CAPACITY	35 TONS	10 TONS
NO. REQ.	7 (INC 1 TEST PILE)	2
EST. LENGTH	W. ABUT. 24'	24'
	E. ABUT. 28'	24'

TABLE OF 'B' & 'C' DIMENSIONS

BEAM LOCATION	1	2	3	4	5
'B' DIMENSION	2'	5 3/8"	6 7/8"	7 3/4"	8 1/8"
'C' DIMENSION	0"	3 3/8"	4 7/8"	5 3/4"	

(SEE SECTION P-P)



TYPICAL CORNER DETAIL SCALE: 3/4" = 1'-0"

BILL OF MATERIALS - N#5 ABUTMENT & WINGWALLS

ITEM	UNIT	QUANTITY
CLASS X CONCRETE	CU. YDS	39.8
REINFORCEMENT BARS	LBS.	3270
HANDRAIL CONCRETE	CU. YDS.	1.0
CLASS A EXCAVATION FOR STRUCTURES	CU. YDS.	25
CONCRETE PILES	LIN. FT.	144
TEST PILES (CONCRETE)	EACH	1
CREOSOTED TIMBER PILES	LIN. FT.	48
METAL SHOES	EACH	2

EAST AND WEST ABUTMENTS & WINGWALL DETAILS  
 GRADE SEPARATION  
 CROSS ROAD  
 OVER F.A.I. ROUTE 80  
 F.A. PROJECT  
 F.A.I. ROUTE 80 SECTION (32,47)-4  
 GRUNDY-KENDALL COUNTY  
 STATION 1574+07.48

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