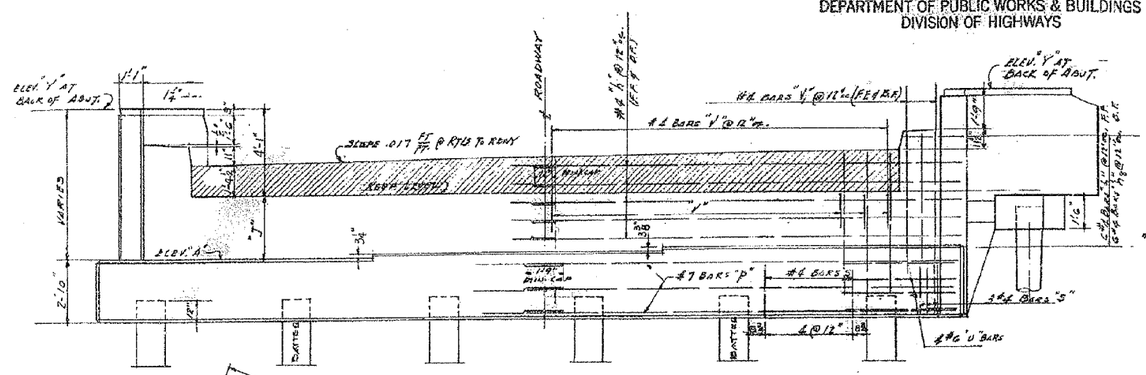
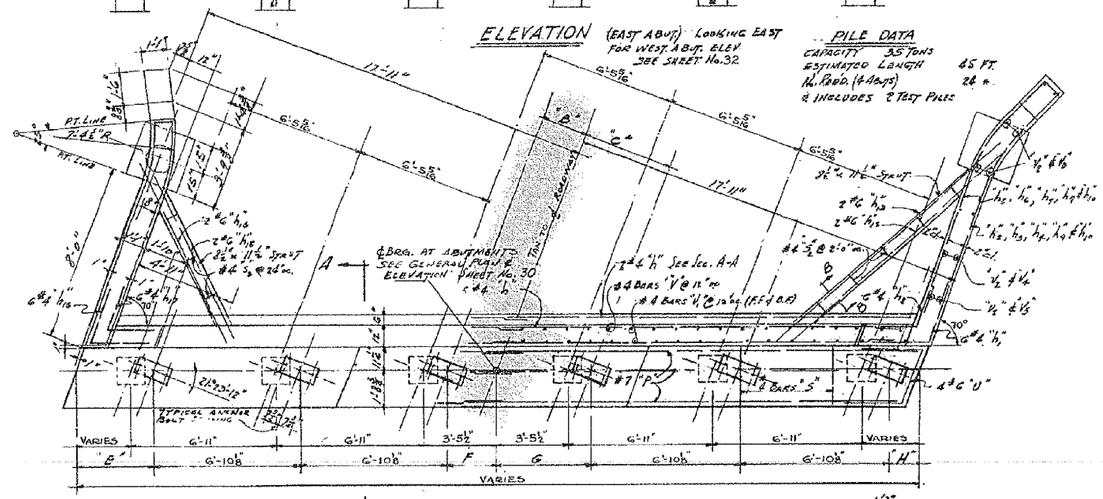
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE No.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I.74	90-(14R)-(14HB-4,14HVB)BR	TAZEWELL	89	31
FED. ROAD DIST. No. 7	ILLINOIS			

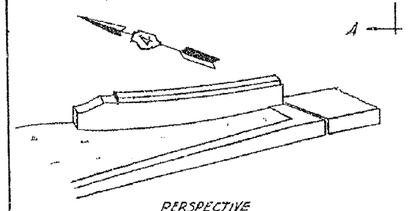


ELEVATION (EAST ABUT.) LOOKING EAST
FOR WEST ABUT. ELEV. SEE SHEET No. 32

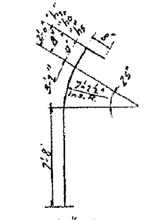
PILE DATA
CAPACITY 35 TONS
ESTIMATED LENGTH 65 FT.
No. REQD. (4 ABUTS) 24 *
* INCLUDES 2 TEST PILES

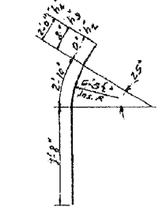


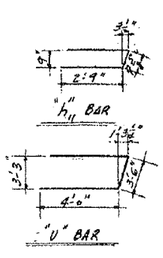
A — A (EAST ABUT.)
WEST ABUTS. SIMILAR EXCEPT ROTATE PLAN 180° AND REVERSE SUPERELEVATION

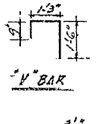


PERSPECTIVE

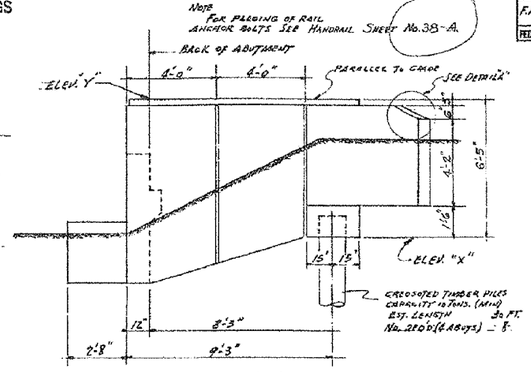




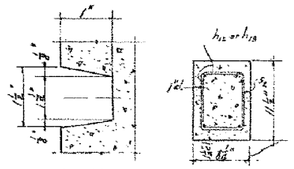


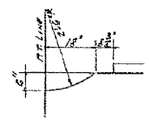


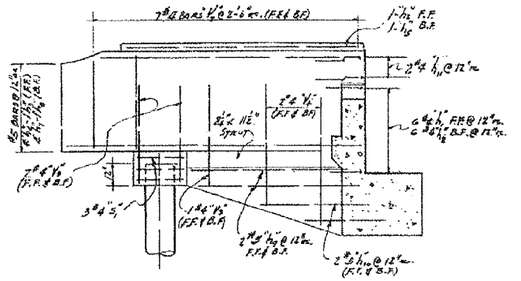
Note
FOR PLUGGING OF RAIL ANCHOR BOLTS SEE HANDRAIL SHEET No. 38-A.

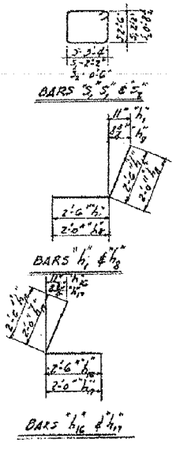


SIDE ELEVATION









BILL OF MATERIAL - 4 ABUTMENTS

BAR	No.	SIZE	LENGTH	SHAPE
h_1	96	#4	16'-6"	
h_{11}	24	#4	5'-0"	
h_{12}	8	#5	10'-6"	
h_{13}	8	#5	11'-2"	
h_{14}	32	#5	12'-6"	
h_5	8	#5	11'-6"	
h_6	8	#5	12'-2"	
h_7	32	#5	13'-6"	
h_8	24	#4	2'-0"	
h_9	32	#5	7'-0"	
h_{10}	32	#5	5'-9"	
h_{11}	16	#4	6'-0"	
h_{12}	8	#6	12'-6"	
h_{13}	8	#5	13'-6"	
h_{16}	8	#5	9'-0"	
h_{15}	8	#5	10'-6"	
h_{18}	24	#4	5'-0"	
h_{17}	16	#5	2'-0"	
P	56	#7	19'-10"	
S	124	#5	15'-3"	
S_1	24	#4	9'-3"	
S_2	32	#4	3'-3"	
U	32	#6	11'-5"	
V	144	#4	3'-6"	
V_1	288	#4	6'-5"	
V_2	112	#4	3'-5"	
V_3	88	#4	2'-6"	
V_4	32	#4	5'-6"	

C.I.P. Concrete	114.7 Cu. Yds.
Reinforcement Bars	9870 lbs.
Furnishing Concrete Piles	240 Lin. Ft.
Driving Timber Piles	240 Lin. Ft.
Furnishing Conc. Piles	990 Lin. Ft.
Driving Conc. Piles	990 Lin. Ft.
Test Piles (Concrete)	2 ea.

ABUTMENTS

F.A.I. ROUTE 74 - SECTION 90-14HB-4

F.A.I. ROUTE 74 OVER F.A. ROUTE 73
STATION 540+01.31

TAZEWELL COUNTY

WARREN AND VAN PRAAG, INC.
CONSULTING ENGINEERS - DECATUR, ILLINOIS

DESIGNED	H.E. Van Praag
CHECKED	H.Y.F.
DRAWN	H.E. Van Praag
CHECKED	H.Y.F.

EXAMINED — ENGINEER OF BRIDGES AND TRAFFIC STRUCTURES
PASSED — ENGINEER OF BRIDGES
APPROVED — CHIEF HIGHWAY ENGINEER

FOR INFORMATION ONLY

benesch
engineers · scientists · planners
Alfred Benesch & Company
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-565-0450 Job No. 10056

FILE NAME = 0900165_68620_39_exist2.dgn	USER NAME = mbecker	DESIGNED - MFB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING PLANS STRUCTURE NO. 090-0165 / 0166	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED - MRB	REVISED -			74	90-(14R;(14HB-4,14,14HVB)BR)	TAZEWELL	2433	1903
	PLOT SCALE =	DRAWN - PRT	REVISED -						CONTRACT NO. 68620	
	PLOT DATE = 7/16/2012	CHECKED - MRB	REVISED -		SHEET NO. SA39 OF SA47 SHEETS			ILLINOIS	FED. AID PROJECT	

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