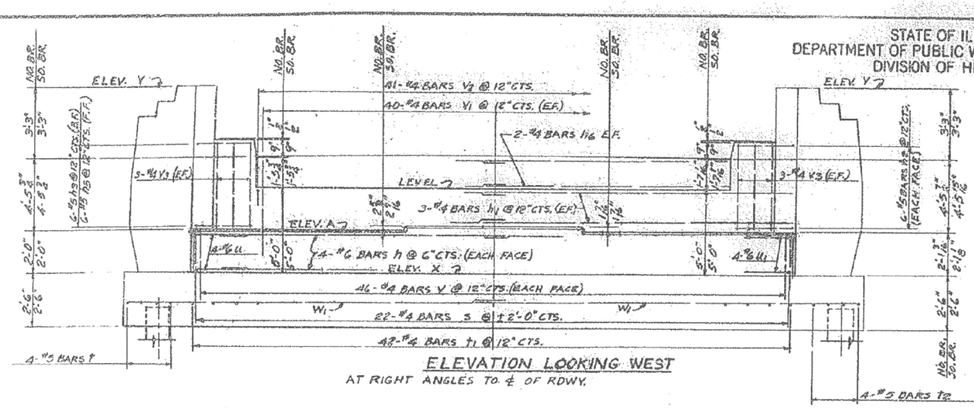
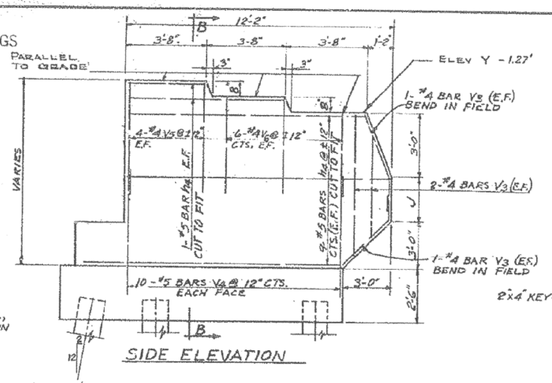
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE No.	SEC.	COUNTY	TOTAL SHEETS	SHEET No.
F.A.T. RT. 74	90-14 NVB	TAZEWELL	24	8
FED. ROAD DIST. No. 71	ILLINOIS	PROJECT		

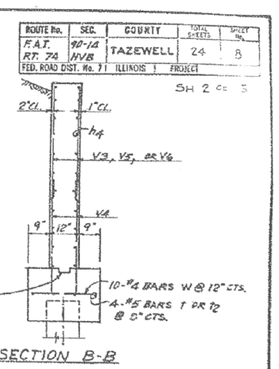
SH 2 OF 3



ELEVATION LOOKING WEST
AT RIGHT ANGLES TO ℄ OF RDWY.

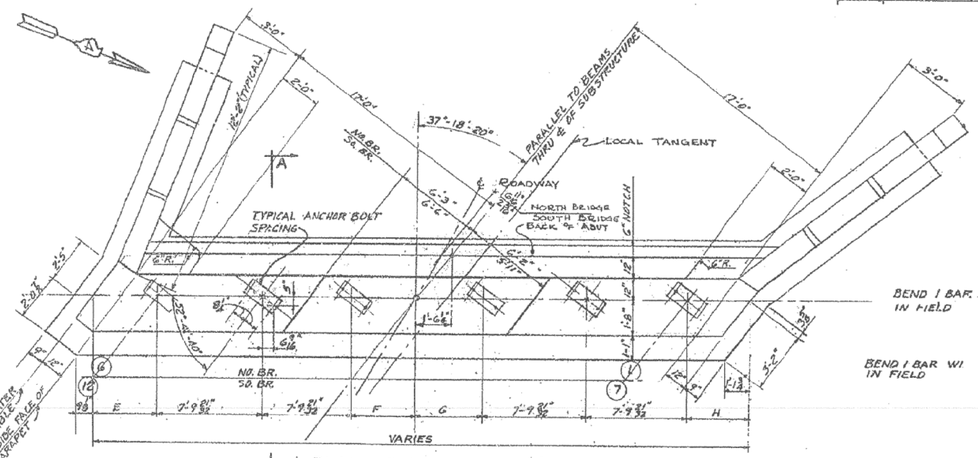


SIDE ELEVATION

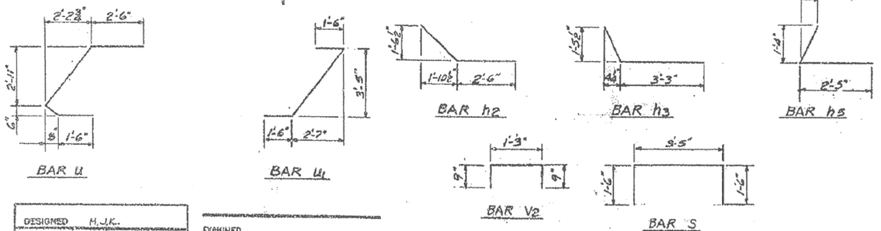


SECTION B-B

FOR ELEVATIONS A, X, ℄ Y & DIMENSION J SEE TABLE ON SH. #4



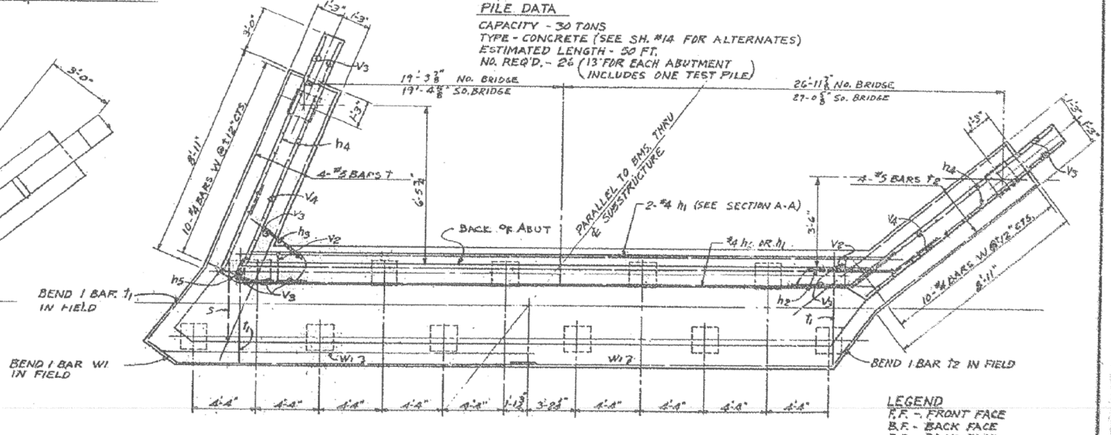
PLAN OF ABUTMENTS (WEST)
DIMENSIONS



DESIGNED	H.J.K.
CHECKED	R.H.M.
DRAWN	H.J.K.
CHECKED	R.H.M.

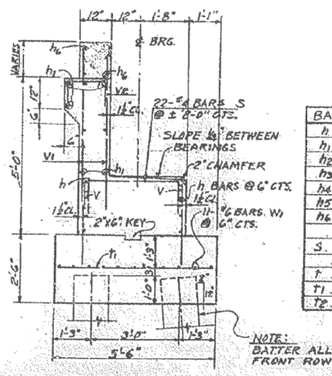
EXAMINED
ENGINEER OF BRIDGES AND TUNNEL STRUCTURES
PASSED
ENGINEER OF SURVEYS
APPROVED
CHIEF ENGINEER & DIRECTOR

PILE DATA
CAPACITY - 30 TONS
TYPE - CONCRETE (SEE SH. #14 FOR ALTERNATES)
ESTIMATED LENGTH - 50 FT.
NO. REQ'D. - 26 (13 FOR EACH ABUTMENT INCLUDES ONE TEST PILE)



PLAN OF ABUTMENT
REINFORCEMENT & PILE SPACING

LEGEND
F.F. - FRONT FACE
B.F. - BACK FACE
E.F. - EACH FACE



SECTION A-A

BILL OF REINFORCEMENT (2 ABUTMENTS)

BAR	NO.	SIZE	LENGTH	SHAPE	BAR	NO.	SIZE	LENGTH	SHAPE
h	32	#6	29'-3"	—	U	8	#6	8'-6"	⊂
h1	32	#6	22'-0"	—	U1	8	#6	7'-4"	⊃
h2	24	#5	5'-0"	⌒					
h3	12	#5	4'-9"	⌒	V	184	#4	3'-0"	—
h4	80	#5	11'-10"	—	V1	160	#4	3'-6"	—
h5	12	#5	3'-11"	∠	V2	32	#4	2'-9"	—
h6	16	#4	20'-0"	—	V3	56	#4	3'-0"	—
					V4	80	#5	6'-6"	—
S	44	#4	6'-3"	⌐	V5	32	#4	3'-7"	—
t	8	#5	11'-10"	—	V6	48	#5	4'-10"	—
T1	168	#4	5'-3"	—					
T2	8	#5	13'-0"	—	W	48	#6	23'-3"	—
					W1	48	#6	24'-3"	—

BILL OF MATERIAL (2 ABUTMENTS)

ITEM	UNIT	QUANTITY
CLASS "X" CONCRETE	CU. YDS.	116.7
REINFORCEMENT BARS	LBS.	7970
CONCRETE PILES	L.F.	1250
CONCRETE TEST PILES	EA.	1

WEST ABUTMENTS
F.A.I. ROUTE 74 SECTION 90-14 NVB
F.A.I. RT. 74 OVER I.T. R.R. & S.B.I. RT. 121
STATION 388+85.40
TAZEWELL COUNTY

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

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 = 0900169_68620_51_exist2.dgn	USER NAME = mbecker	DESIGNED - MFB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING PLANS STRUCTURE NO. 090-0169	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED - MRB	REVISED -			74	90-[14R;(14HB-4,14,14HVB)BR]	TAZEWELL	2433	2027
	PLOT SCALE =	DRAWN - PRT/LLR	REVISED -		SHEET NO. SC51 OF SC63 SHEETS				CONTRACT NO. 68620	
	PLOT DATE = 7/16/2012	CHECKED - MRB	REVISED -					ILLINOIS	FED. AID PROJECT	

7/16/2012 11:20:58 AM x:\10000s\10056\engineering_documents_phase_1\174over_Jackson\Final\0900169_68620_51_exist2.dgn