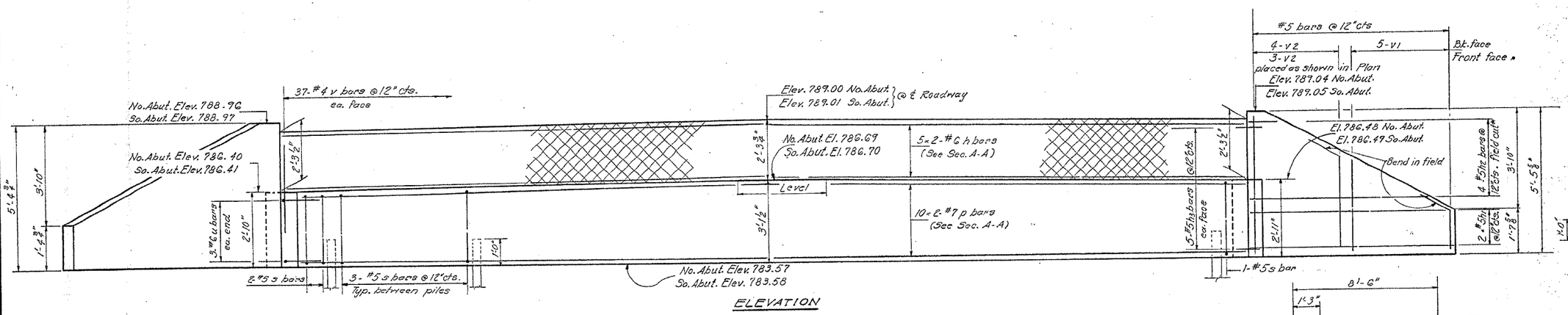
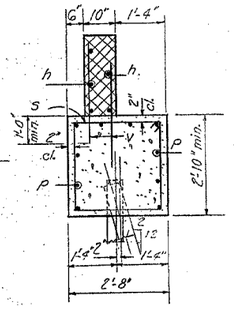
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 553	125VBR-1	DEKALB	55	40
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 5
8 SHEETS

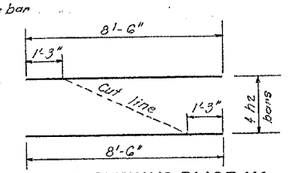
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



ELEVATION



SECTION A-A

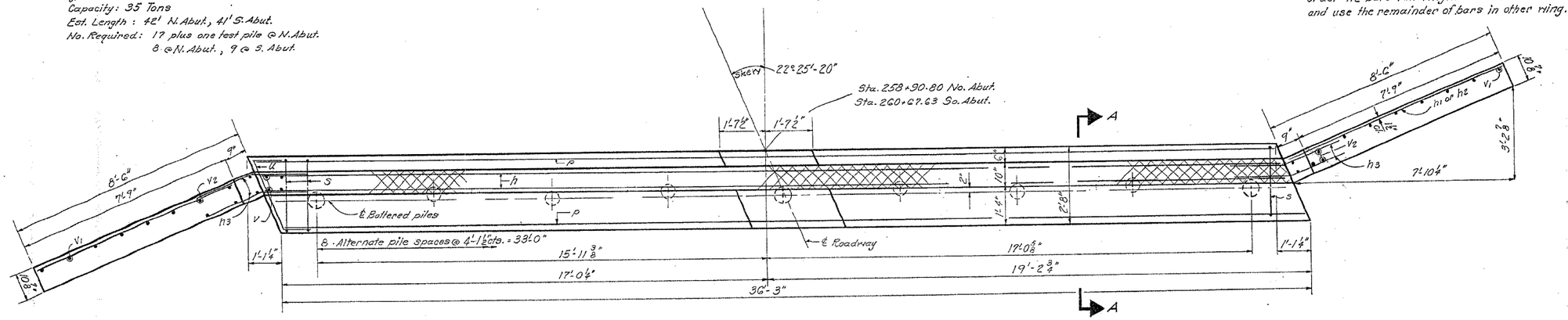


FIELD CUTTING DIAGRAM

*Order h2 bars full length cut to fit as shown and use the remainder of bars in other ring.

PILE DATA

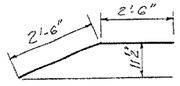
Type: Concrete
Capacity: 35 Tons
Est. Length: 42' N. Abut., 41' S. Abut.
No. Required: 17 plus one test pile @ N. Abut.
8 @ N. Abut., 9 @ S. Abut.



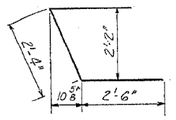
PLAN

TWO ABUTMENTS
BILL OF MATERIAL

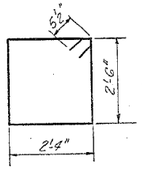
Bar	No.	Size	Length	Shape
h	20	#6	19'-0"	
h1	8	#5	8'-3"	
h2	8	#5	8'-6"	
h3	40	#5	5'-0"	
p	40	#7	19'-3"	
s	54	#5	10'-7"	
u	12	#6	7'-4"	
v	148	#4	3'-0"	
v1	20	#5	3'-9"	
v2	28	#5	5'-3"	
Class X Concrete			Cu. Yds.	30.0
Reinforcement Bars			Lbs.	3,750
Concrete Piles			Lin. Ft.	705
Test Piles (Concrete)			Each	1



BAR h3



BAR u



BAR s

Notes:
Cross hatched portion shall be poured after beams are in place.
Bars indicated thus 10-2-#7 etc. indicates 10 lines of bars with 2 lengths per line.
Min. bar laps = 24 dia.

* FOR INFORMATION ONLY

DESIGNED	R. K. Mathur
CHECKED	D. A. Ryan
DRAWN	S. N. U.
CHECKED	D. A. Ryan

EXAMINED JAN. 31 1975
ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES
PASSED
ENGINEER OF DESIGN
APPROVED
DIRECTOR OF HIGHWAYS

ABUTMENTS
S.B.I.RT. 72 SEC. 125 V8R
DEKALB COUNTY
STA. 259+79.17