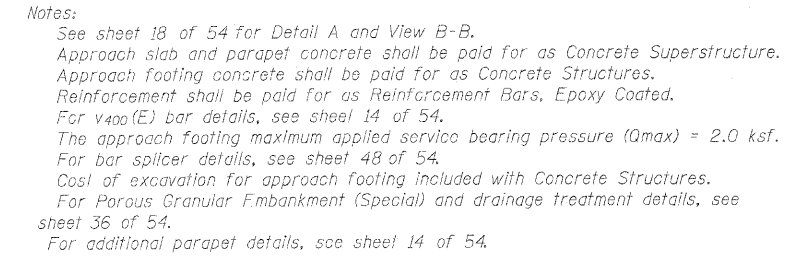


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40'-0" Face to face of parapet width

24'-0" Roadway width

Shoulder width

1'-7"

1'-2" 5"

3'-4 1/2"

d440 (E)

e440 (E)

e441 (E)

e440 (E)

d441 (E)

b442 (E)

d442 (E)

b440 (E)

d440 (E)

d441 (E)

Slope 1/4"/'

Slope 3/16"/'

12'-0"

12'-0"

Shoulder width

5"

1"

typ.

5"

typ.

b443 (E)

4"

typ.

1'-3" Slab min. & varies

Slope 3/16"/'

Slope 1/4"/'

b441 (E)

d440 (E)

Elev. 585.31 (Level out to out)

AT APPROACH FOOTING

NEAR ABUTMENT

(See Plan for dimensions not shown)

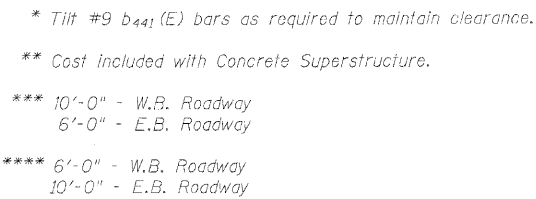
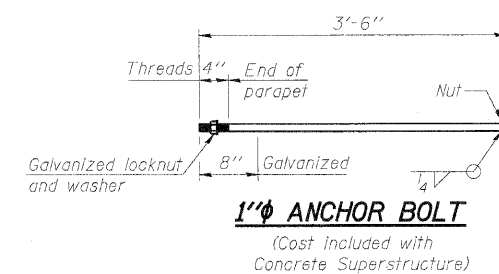
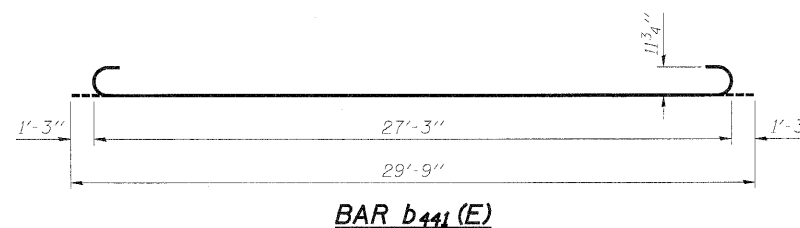


Diagram of a cantilever beam fixed at the left end and free at the right end. A downward point load P is applied at the free end. The beam has a total length of $22'-2''$. The material is labeled as **BAR A440(E)**.



1"Ø ANCHOR BOLT

(Cost included with
Concrete Superstructure)



BAR b441 (E)

TWO APPROACHES
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
d440 (E)	100	#4	22'-7"	
d441 (E)	92	#5	41'-6"	
d442 (E)	48	#6	6'-6"	
b440 (E)	68	#4	29'-8"	
b441 (E)	202	#9	29'-9"	
b442 (E)	4	#4	14'-8"	
b443 (E)	4	#4	14'-8"	
d440 (E)	68	#5	6'-10"	
d441 (E)	68	#5	7'-11"	
e440 (E)	32	#4	14'-8"	
e441 (E)	4	#8	14'-8"	
f440 (E)	172	#4	9'-8"	
w440 (E)	80	#5	41'-6"	
Concrete Superstructure			Cu. Yd.	130.4
Concrete Structures			Cu. Yd.	25.7
Bridge Deck Grooving			Sq. Yd.	253
Protective Coat			Sq. Yd.	302
Reinforcement Bars, Epoxy Coated			Pound	33,900

(Sheet 2 of 2)

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SHEET NO. 19	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	280	81-1(HB-2)R	ROCK ISLAND	503	301
	54 SHEETS		CONTRACT NO. 64815		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT		