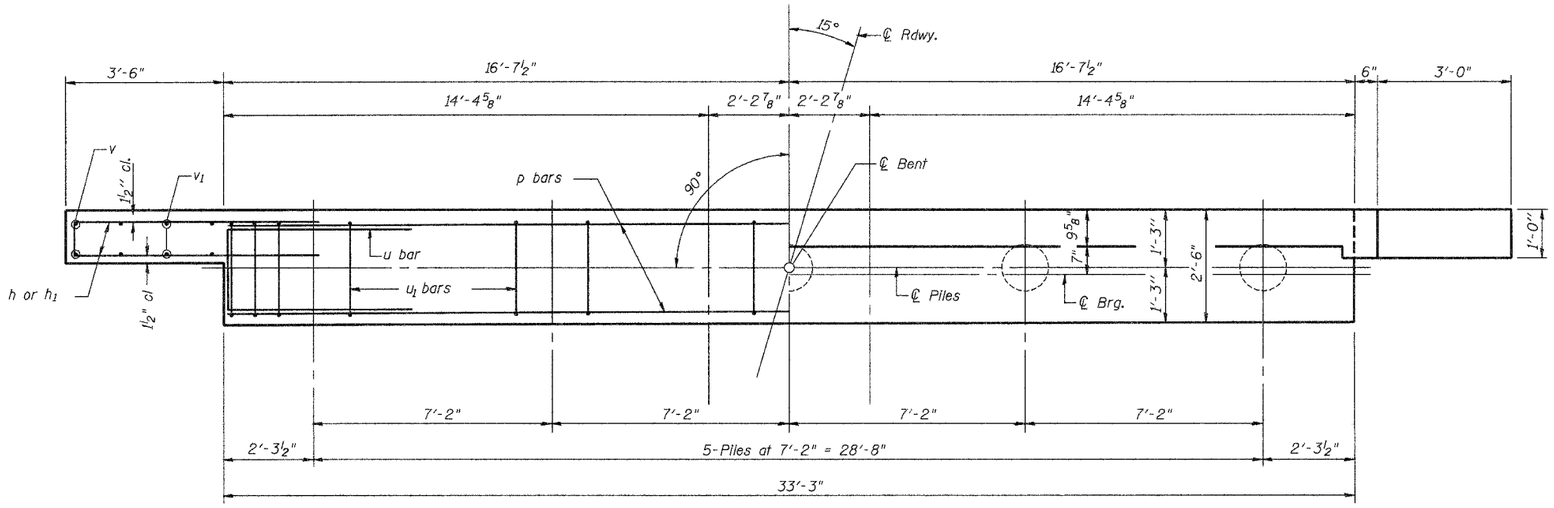
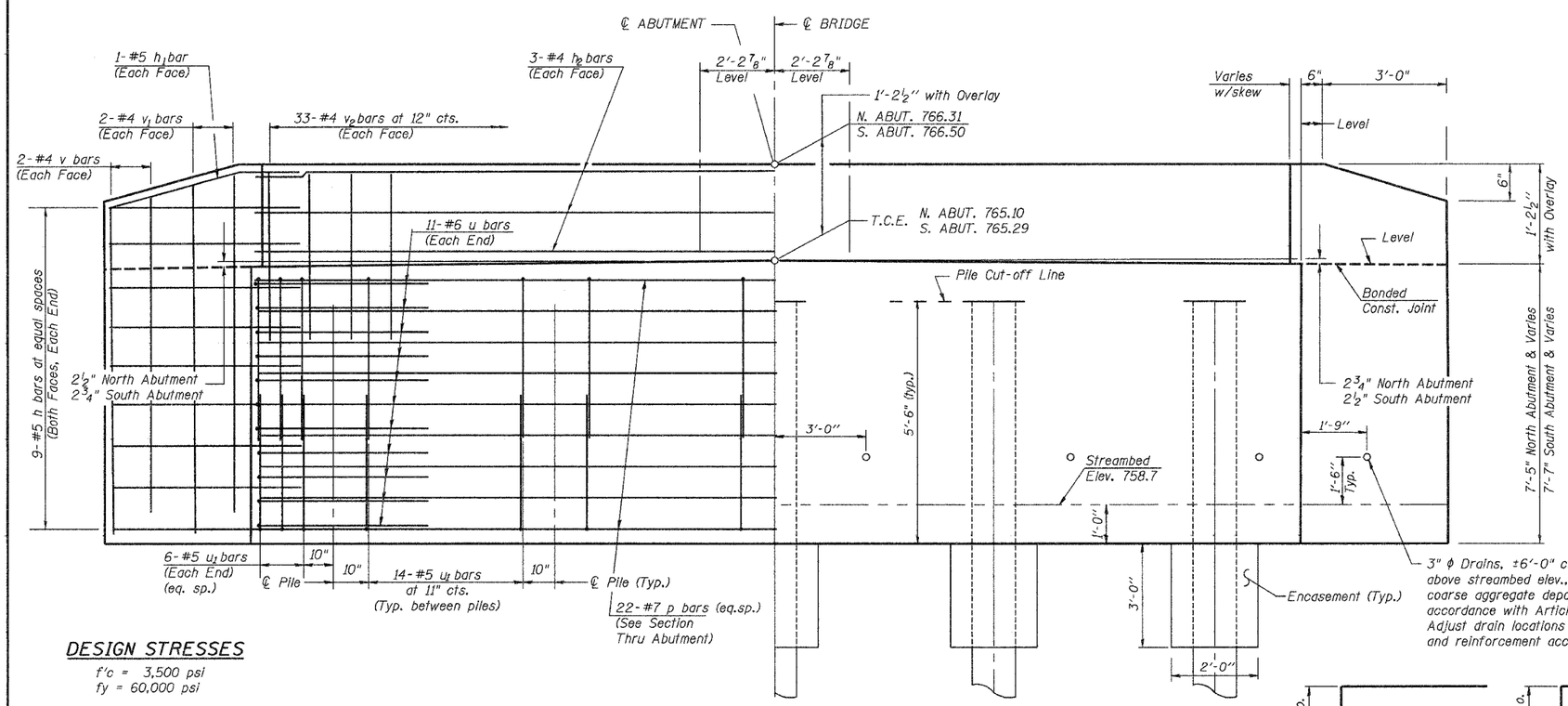
85431

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR0883E	04-09116 -00-BR	WINNEBAGO	15	7
	ILLINOIS	FED. AID PROJECT-		

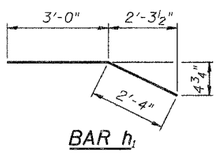
BRIDGE SHEET 4 of 8



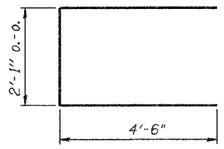
PLAN



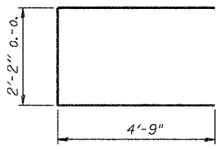
ELEVATION



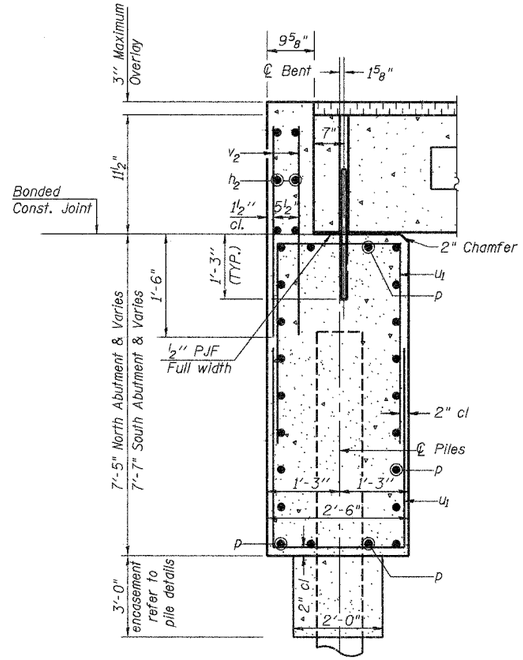
BAR h_1



BAR u



BAR u_1



SEC. THRU ABUT.
(At Right Angles)

BILL OF MATERIAL FOR ONE ABUTMENT

Bar	No.	Size	Length	Shape
h	36	#5	5'-4"	
h_1	4	#5	5'-4"	
h_2	6	#4	32'-11"	
p	22	#7	32'-11"	
u	22	#6	11'-1"	
u_1	68	#5	11'-8"	
v	8	#4	7'-9"	
v_1	8	#4	8'-0"	
v_2	66	#4	2'-7"	
Concrete Encasement			1.4	Cu. Yd.
Concrete Structures			26.3	Cu. Yd.
Reinforcement Bars			3226	Pounds

DESIGN STRESSES

f'c = 3,500 psi
fy = 60,000 psi

NOTES

1. The Backwall and the portion of the Wingwalls above the bounded construction joint shall be cast against the in-place beam.
2. Reinforcement bars shall conform to the requirements of A.A.S.H.T.O. M-31 or M-322, Grade 60.
3. Space reinforcement in cap to miss anchor bolts.

P.P.C. DECK BEAM PILE BENT ABUTMENTS

BROOKVIEW ROAD BRIDGE
OVER SPRING CREEK
ROCKFORD ROAD DISTRICT
WINNEBAGO COUNTY
SECTION 04-09116-00-BR

McClure Engineering Associates, Inc.
7282 Argus Drive
Rockford, Illinois 61107-5837
(815) 398-2332
FAX (815) 398-2496
Design Firm License: Illinois 184-000816
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