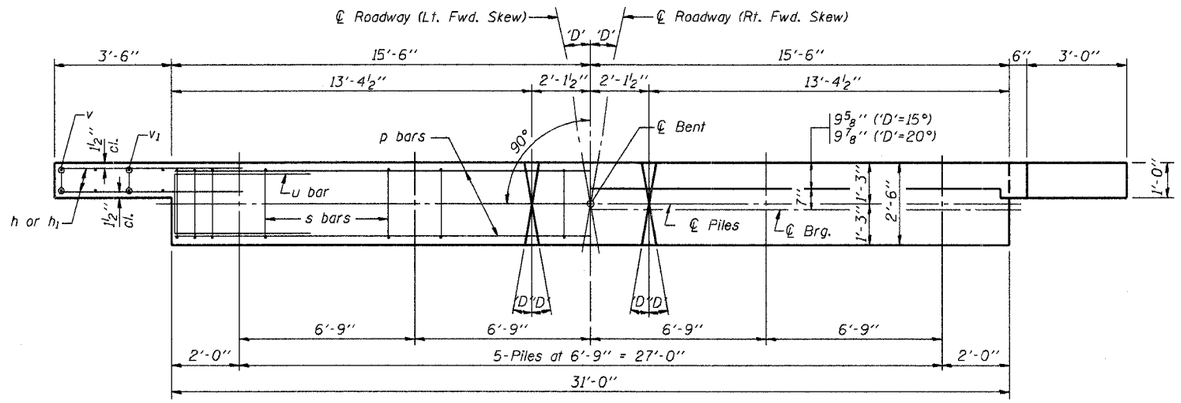
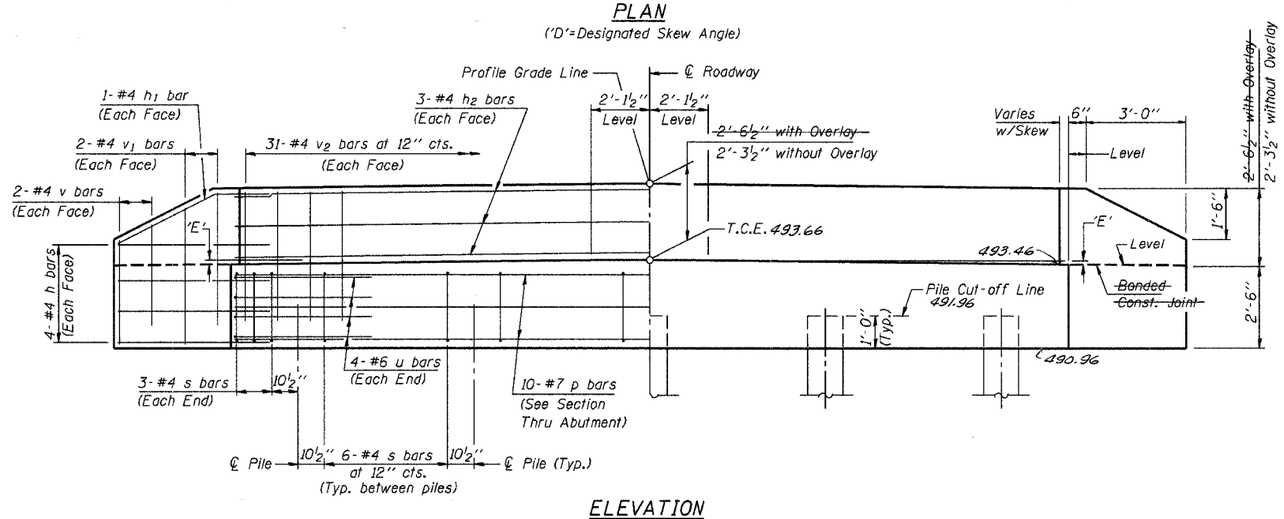
CONTRACT NO. 95422

F.A.S. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET
	05-05117-00-BR	JASPER	10	7
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	PROJECT	BRDS-079(130)	



PLAN

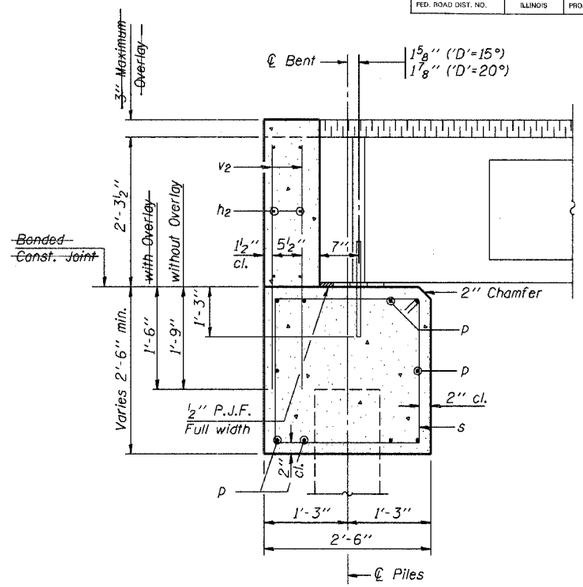
('D'=Designated Skew Angle)



ELEVATION

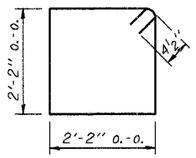
DIMENSION 'E'

GRADE	'D'=15°		'D'=20°	
	UPGRADE END	DOWNGRADE END	UPGRADE END	DOWNGRADE END
0%	$2\frac{3}{8}$"	$2\frac{3}{8}$"	$2\frac{3}{8}$"	$2\frac{3}{8}$"
Over 0% to 1%	$2\frac{1}{4}$"	$2\frac{5}{8}$"	$2\frac{1}{8}$"	$2\frac{5}{8}$"
Over 1% to 2%	$1\frac{3}{4}$"	3"	$1\frac{1}{2}$"	$3\frac{1}{8}$"
Over 2% to 3%	$1\frac{3}{8}$"	$3\frac{1}{2}$"	1"	$3\frac{3}{4}$"
Over 3% to 4%	1"	$3\frac{7}{8}$"	$\frac{3}{8}$"	$4\frac{1}{4}$"

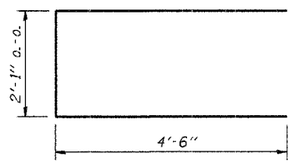


SECTION THRU ABUTMENT

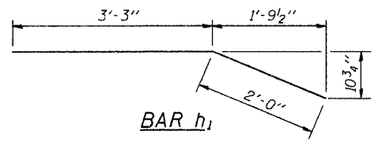
(At Right Angles)



BAR s



BAR u



BAR h_1

BILL OF MATERIAL FOR ONE ABUTMENT

Bar	No.	Size	Length	Shape
h	16	#4	5'-0"	
h1	4	#4	5'-3"	
h2	6	#4	30'-8"	
p	10	#7	30'-8"	
s	30	#4	9'-5"	
u	8	#6	11'-1"	
v	8	#4	3'-2"	
v1	8	#4	4'-2"	
v2	62	#4	3'-11"	
Concrete Structures			11.1 Cu. Yds.	
Reinforcement Bars			1340 Lb.	

NOTES

1. The Backwall and the portion of the Wingwalls above the bonded 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.

MAXIMUM PILE LOADS

SPAN	TONS
40'	29
50'	33
60'	37

DESIGN STRESSES

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

Illinois Department of Transportation

PASSED APRIL 4, 2005
Thomas J. Domagalski
Engineer of Bridge Design
APPROVED APRIL 4, 2005
Ralph E. Anderson
Engineer of Bridges and Structures

BRIDGE 1981-1-1

P.P.C. DECK BEAMS PILE BENT ABUTMENT

28' RDWY. | 27" BMS. | 'D'=15° OR 20°

STANDARD CA-2827-20