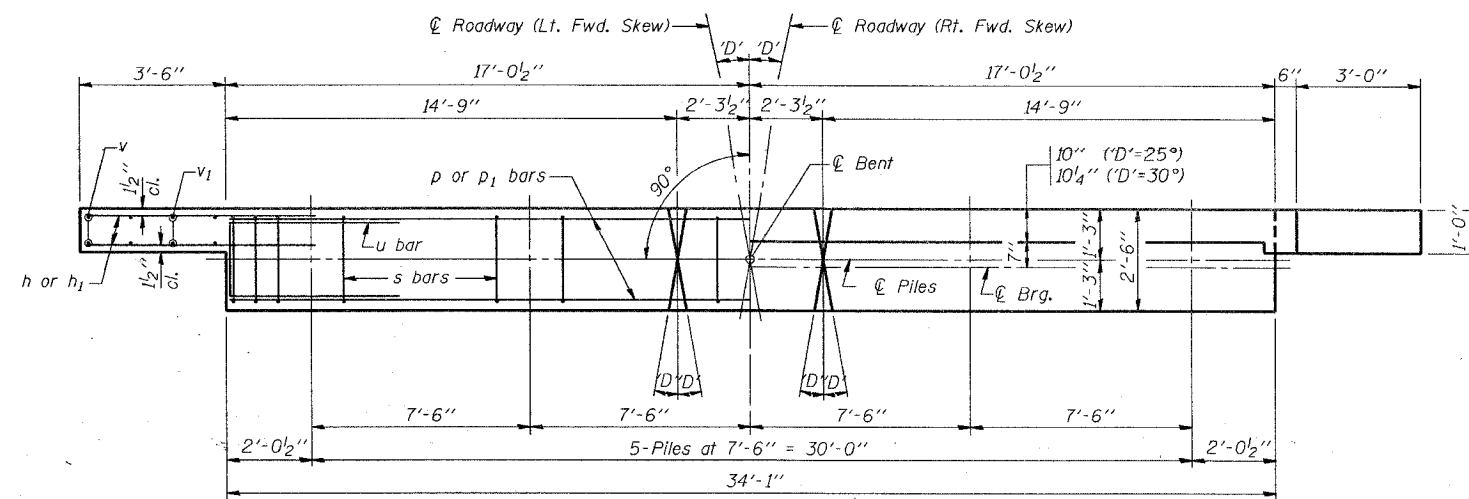
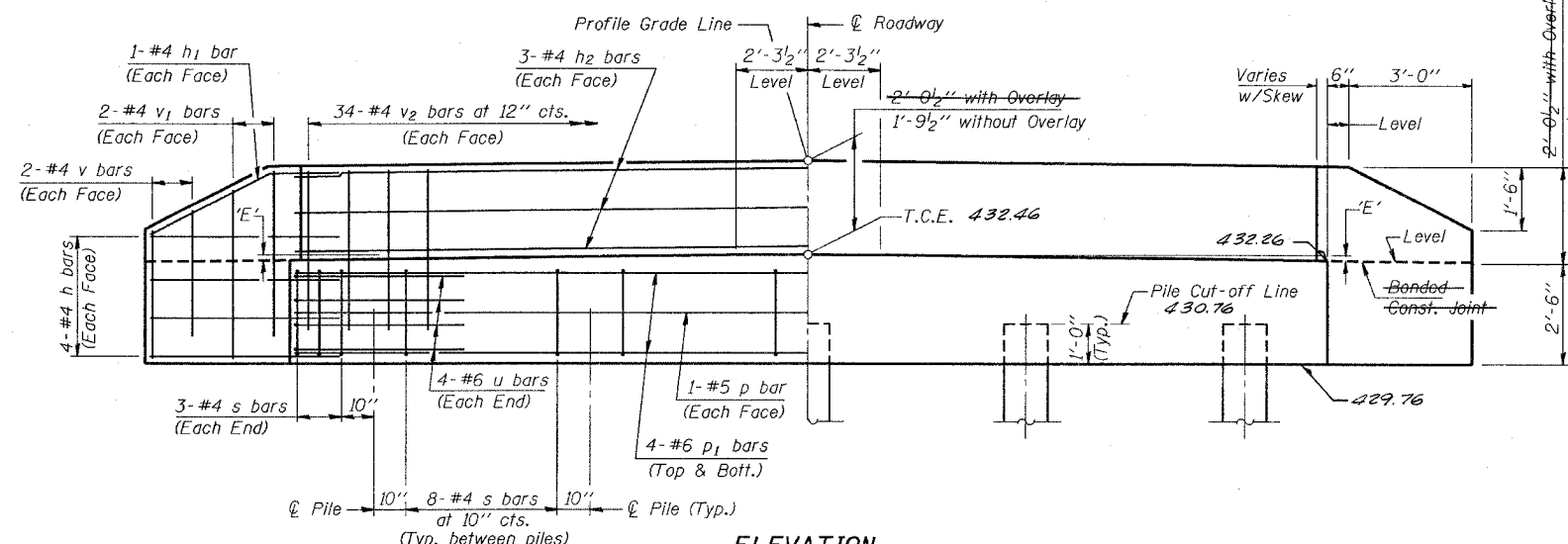


SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
* LAWRENCE 10		7	7

* 05-08/32-00-BR



PLAN
(D'=Designated Skew Angle)



ELEVATION

DIMENSION 'E'

GRADE	'D'=25°		'D'=30°	
	UPGRADE END	DOWNGRADE END	UPGRADE END	DOWNGRADE END
0%	2 1/2"	2 1/2"	2 3/8"	2 3/8"
Over 0% to 1%	2 3/8"	2 7/8"	2"	2 7/8"
Over 1% to 2%	1 3/8"	3 5/8"	1"	3 3/4"
Over 2% to 3%	5/8"	4 3/8"	1/8"	4 5/8"
Over 3% to 4%	0"	5 1/8"		

NOTES

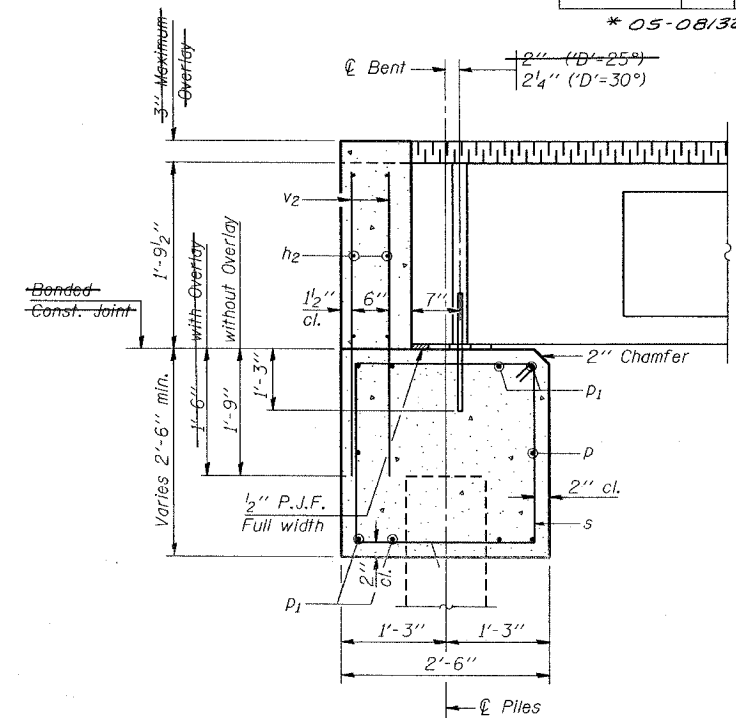
- The Backwall and the portion of the Wingwalls above the bonded construction joint shall be cast against the in-place beam.
- Reinforcement bars shall conform to A.A.S.H.T.O. M-31, M-42 or M-53, Grade 60.

MAXIMUM PILE LOADS

SPAN	TONS
30'	25
35'	27
40'	29
50'	33

DESIGN STRESSES

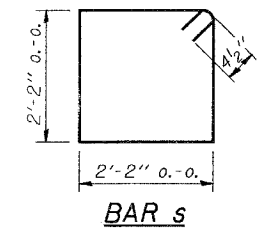
f'c = 3,500 psi
fy = 60,000 psi



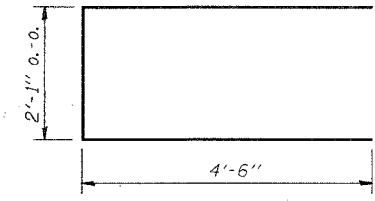
SECTION THRU ABUTMENT
(At Right Angles)

BILL OF MATERIAL FOR ONE ABUTMENT

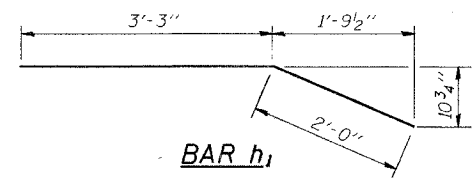
Bar	No.	Size	Length	Shape
h	16	#4	5'-0"	—
h1	4	#4	5'-3"	—
h2	6	#4	33'-9"	—
p	2	#5	33'-9"	—
p1	8	#6	33'-9"	—
s	38	#4	9'-5"	□
u	8	#6	11'-1"	□
v	8	#4	2'-8"	—
v1	8	#4	3'-8"	—
v2	68	#4	3'-5"	—
Concrete Structures			11.5 Cu. Yds.	
Reinforcement Bars			1240 Lbs.	



BAR s



BAR u



BAR h1

Illinois Department of Transportation
 PASSED November 1, 1995
Sraj D. Kappur
 Engineer of Bridge Design
 APPROVED November 1, 1995
Richard E. Anderson
 Engineer of Bridges and Structures

**P.P.C. DECK BEAMS
 PILE BENT ABUTMENT**
 28' RDWY. | 21" BMS. | 'D'=25° OR 30°
 STANDARD CA-2821-30