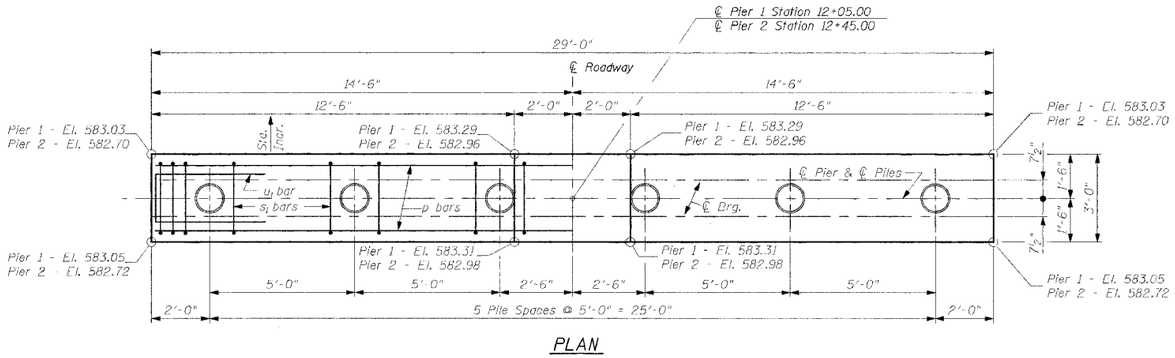
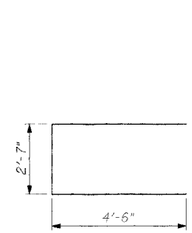
93393

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
MASSEY LANE	*	MORGAN	15	10
FED. RD. DIST. NO.		ILLINOIS	FED. AID PROJECT	

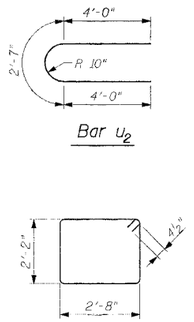
* 03-06118-00-BR



PLAN

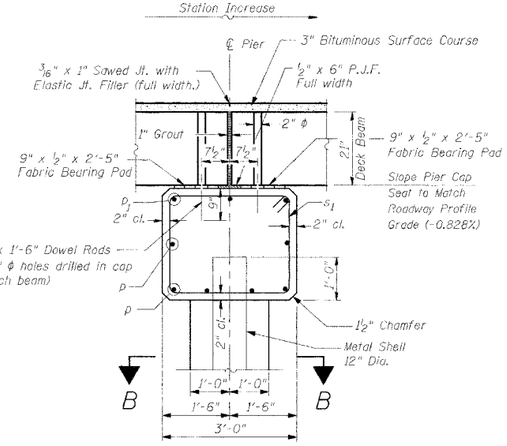


Bar u_1



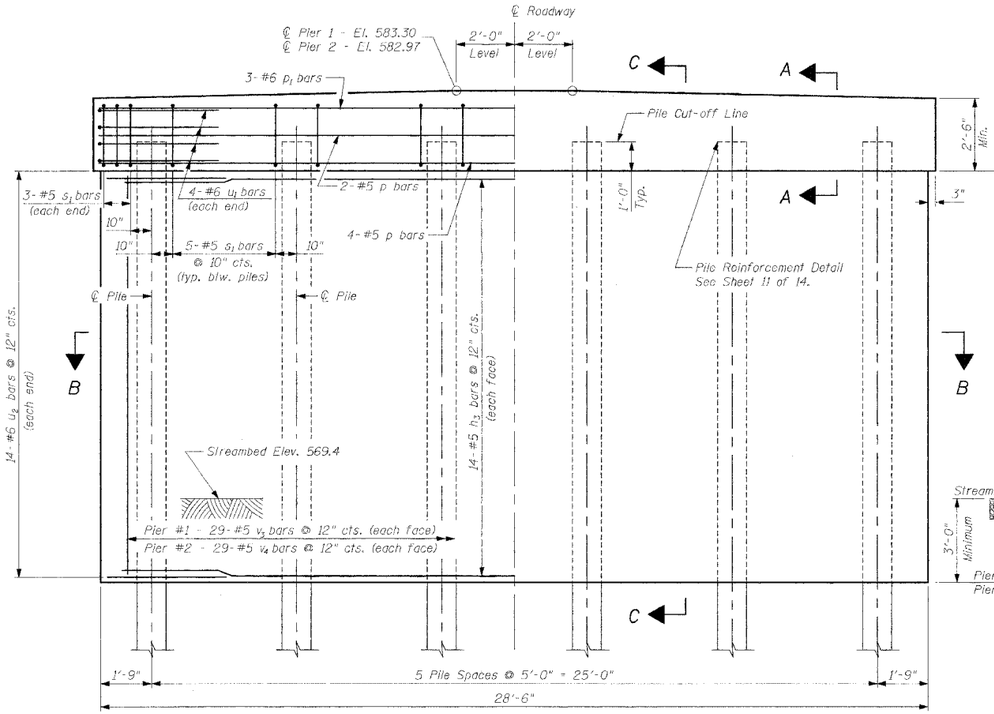
Bar u_2

Bar s_1

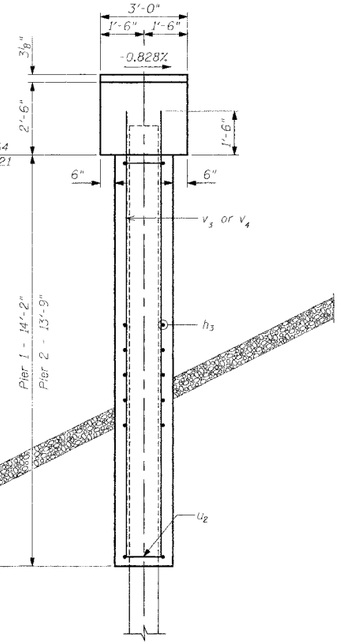


SECTION A-A

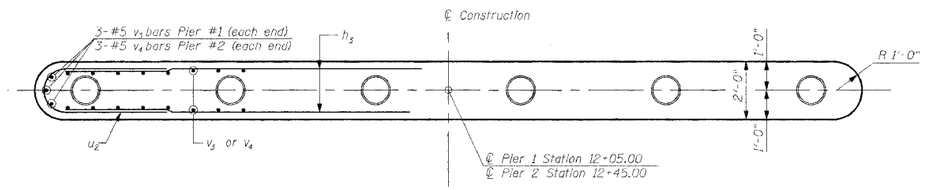
* Dowel Rods shall be grouted after beams are in place and allowed to cure (Min. 24 hrs.) prior to grouting the shear keys. Cost shall be included in the cost of the unit price for Precast Prestressed Concrete Deck Beams (21" Depth).



ELEVATION



SECTION C-C



SECTION B-B

PIER 1 - PILE DATA

Type = 12" Dia. Metal Shell
Capacity = 45.0 Tons
No. Required = 5+1 Test Pile
Estimated Length = 78 FT
Test Pile = 1
Drive test pile near east edge of pier.

PIER 2 - PILE DATA

Type = 12" Dia. Metal Shell
Capacity = 45.0 Tons
No. Required = 6
Estimated Length = 68 FT

TWO PIERS BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h_3	56	#5	26'-0"	
p	12	#5	28'-5"	
p_1	6	#6	28'-5"	
s_1	62	#5	10'-5"	
u_1	16	#6	11'-7"	
u_2	56	#6	10'-7"	
v_3	64	#5	15'-6"	
v_4	64	#5	15'-0"	
Concrete Structures			Cu.Yd.	69.5
Reinforcement Bars			Pound	6,010
Furnishing Metal Pile Shells 12"			Foot	798
Test Pile Metal Shells			Each	1
Driving and Filling Shells			Foot	798

DRAWN BY	MKC
CHECKED BY	LEL
APPROVED BY	REG
DATE	MARCH, 2005
REVISIONS DATE	BY
FIELD BOOK:	

PIERS
MASSEY LANE OVER SANDY CREEK
SEC 03-06118-00-BR STA. 12+25.00

MORGAN COUNTY, ILLINOIS

Benton & Associates, Inc.
Consulting Engineers / Land Surveyors
1970 West Lafayette Avenue Jacksonville, Illinois 62650
Phone : 217-245-4146 Fax : 217-245-4149
IL Design Firm Registration No. 184-000852

SCALE: N.T.S. | JOB NO. 02E1314 | SHEET 10 OF 15