

		ROUTE	SECTION	COL	UNTY	SHEETS	SHEE NO.
	~ ~ ~	TR 179	85-09110-01-E	BR CL	AY	9	9
$\mathbf{O}$	FE	D. ROAD DI	ST. NO. 7 ILLI	INOIS FED.	AID PR	OJECT	
5"	Louis	CONTRACT NO. 95450					
22'-5"		F	PILE DA	TA			
	TVD						
		est Abutn	nent	HP14x7	3		
d.	E	ast Abutn	nent	HP14x7	3		
<u>Ernbed.</u>	Req	uired Cap	acity: (Inclu	ides 150%.	of m	aximun	7
<u> </u>			e load for			n)	
$\sim$		est Abutn		101 ton			
A commencedari	E	ast Abutn	nent	101 ton	5		
<u>5 n BARS</u>	Esti	mated Le.	ngth:				
	W	est Abutn	nent	22 foc	o†		
3'-0"	E	ast Abutn	nent	28 foc	o†		
<b>_</b>	A/. 100	bar Dagu	Irad				
		ber Requi		1 Test ni	0		
	West Abutment						
	Tote	ıl Estimat	ed Length:	(Does not	' inclu	de	
	Test Piles)						
	H	HP14x73 15			50 foot		
<u>#6 u BARS</u>	BILL OF MATERIALS						
	ONE ABUTMENT W/ WINGWALLS						
	Bar	No.	Size	Length	Sho	тре	
	h	20	#5	5′-6″		$\supset$	
	$h_I$	12	#5	4'-6"		]	
	h <sub>2</sub>	4	#5	23'-8"			
	n	47	#5	5′-0″		$\supset$	
					-		

GENERAL NOTES

Concrete Structures

Reinforcement Bars

All exposed edges shall have standard  ${}^3_4{}''$  chamfer unless otherwise noted.

12

27

6

24

p

S

U

v

#7

#4

#6

#5

24'-8"

9'-5'

8'-1"

5'-0"

Cu. Yd.

Pound

~

CUT IN FIELD

9.1

1490

All clearances between reinforcement bars and form surface shall be 2", unless otherwise noted.

Space reinforcement in abutment cap to miss PPCDB dowel bars.

The Contractor shall drive one (1) Steel HP14x73 Test Pile in a permanent location at both the East and West abutments as directed by the Engineer before ordering the remainder of the piles.

The Contractor is hereby advised that very stiff soils will be encountered prior to the location of anticipated refusal. See the Soil Borings for further information.

In addition to all other requirements of Section 512 of the Standard Specifications, splices for Steel H-piles shall develop the full capacity of the steel's cross sectional area of the pile for tension, shear and bending forces. One approved method of achieving this requirement is full penetration butt welding of the entire cross section. Other types of splices meeting the full capacity requirement may be allowed subject to the approval of the Engineer. Any proposal by the Contractor to use an alternate splice method must include adequate documentation demonstrating that the full tension, shear and bending capacities will be met. Appropriate welder qualifications will be required for the positions and processes used in splicing all piles. Nondestructive testing of completed welds will be limited to visual inspection.

