52 86

5 OHIO LAKE COUNTY LAK-20-17.14

F, H.W.A. REGION

ITEM	TOTAL	UNIT	DESCRIPTION	ABUT- MENTS	PIERS	SUPER STRUC	GEN Eral
202	Lump		Structures Removed, As per plan	1			Lump
· <del></del>	:	·					
503	Lump		Cofferdams, Cribs and Sheeting				Lump
503	5/7	Cubic Vds	Unclassified Excavation	517		:	
503	266	<del> </del>	Unclassified Excavation Including Rock		266		· · · · · · · · · · · · · · · · · · ·
503		<b></b>	Shale Excavation		58		
	:	00010 100.	CHAIC Excavarion		00	1	
<i>505</i>	Lunan		Pile Driving Equipment Mobilization			·   .	Lump
505	Lump		PITE DITVITIG Equipment Mobilization			:	Comp
507	1,505	Lin. Ft.	Stool Dilac UD 12 v EZ 10 par alan	1,505		·   .	<del></del>
			Steel Piles, HP 12 x 53, As per plan	7,000	720		
507	720	Lin. Ft.	Steel Piles, HP 14 x 89, As per plan	005	720		
507	285	Lin. Ft.	Prebored Holes, As per plan	285	20	:	
<i>50</i> 7	57	Each	Steel Points	21	36		
- F00	00.400			10.0			······································
509	<i>68,196</i>	Lb.	Reinforcing Steel, Grade 60	12,365	55,831	:	· · · · · · · · · · · · · · · · · · ·
4 4				·.			
511	296		Class C Concrete, Piers Above Footings		296		
511	151	Cubic Yds.	Class C Concrete, Abut Above Footings	151			
<b>.</b>	:	\ \ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	the second of th				
511	245	Cubic Yds.	· · · · · · · · · · · · · · · · · · ·	93	152		
511.	<b>6</b> 52	Cubic Yds.	Class & Concrete, Superstructure, as per plan. See Prop not	e. 7	ı	645	
5/3	509,100	Lb.	Structural Steel (AISC Category III), A572			509,100	
513	3,645	Each	Welded Stud Shear Connectors		:	3,645	
514	509,100	Lb.	Field Painting of New Structural Steel, SYSTEM A, APP		:	509,100	
516	40.44	Lin. Ft.	Structural Expansion Joint Including Elastomeric		:	40.44	
		. :	Compression Seals				
516	43.19	Lin. Ft.	Modular Expansion Joint Including Elastomeric			43.19	
	:		Compression Seals & Steel Extrusions		:		
	:	:					,
517	883	Lin. Ft.	Railings (Concrete Parapet With Double Pipe Rail)	93		790	
518	104	Cubic Yds.		104	. :		<del></del>
518	74	Lin. Ft.	6" Perforated Helical Corrugated Steel	74	· ·		
	i i	U	Pipe, 707.01				
518	42	Lin. Ft.	6" Nonperforated Helical Corrugated Steel	42			
	1		Pipe Including Specials, 707.01		:		
601	349	Cubic Yds.		349			
601	919	Cubic Yds.			1		
824	129,475	Lb.	Epoxy Coated Reinforcing Steel, Grade 60	7,762	:	121,713	
571	652	Cubic Yds.				645	<del>,, , , , , , , , , , , , , , , , , , ,</del>
5//	652	Cubic Yds.		e e e e e e e e e e e e e e e e e e e			
	1 X X X X	be a little little	shrinkage compensating coment. See prop. note		:	645	
Special	///3	Sq. Yd.	Sealing of Concrete Surfaces (See Proposal Note)	72	593	448	
1		~~. ~~		. ~	:	<del>                                     </del>	

\* Alternate Bid Items

ITEM 514 - FIELD PAINTING OF NEW STRUCTURAL STEEL, SYSTEM A, A.P.P. MATERIALS USED FOR THIS ITEM SHALL BE MANUFACTURED BY THE COMPANY WHICH MANUFACTURED THE SHOP PRIME COAT SO THAT COMPATIBILITY OF COATS IS INSURED.

1tem 601 - Grouted Rock Channel Protection, Type A, as per plan. Fabric filter shall be used.

OUANTITY CALCULATIONS

BY RCK DATE 10-4-84

CHKD. RJP DATE 10-18-84

WOODRUFF, INC.

U.S. ROUTE 20 OVER
THE GRAND RIVER

BR. NO.-LAK-20-1723 FROM STA. 18+91. 00
TO STA. 22+89.56

WOODRUFF, INC.

CONSULTING ENGINEERS

CLEVELAND, OHIO

ESTIMATED QUANTITIES

TO STA. 22+89.5
LAKE COUNTY OF