QUANTITY CALCULATIONS
BY C.E.R. DATE 9-85
CHKD. I.M. DATE 9-85
WOODRUFF, INC.

F.H.W.A. REGION	STATE	PROJECT	
5	OHIO		

LAKE COUNTY
LAK-20-17.14

68
86

MARK	NUMBER	LENGTH	TYPE	SER. INCR.	WEIGHT (LBS)	A	B	C	R
		BRIDGE DECK SLAB							
ES601	619	25'-0"	STR.		23,243				
ES602	545	16'-4"	STR.		13,370				
ES603	32	17'-4"	STR.		833				
ES604	32	19'-4"	STR.		929				
ES605	1 SER 9	17'-3" / 3'-3"	STR.	1'-9"	139				
ES606	1 SER 12	23'-4" / 4'-9"	STR.	1'-9"	253				
ES607	3	4'-8"	STR.		21				
ES608	1 SER 13	22'-7" / 2'-0"	STR.	1'-8 5/8"	240				
ES609	13	16'-3"	STR.		317				
ES610	1 SER 6	15'-9" / 7'-2"	STR.	1'-8 5/8"	103				
ES611	4	5'-8"	STR.		34				
ES612	92	30'-0"	STR.		4,146				
ES613	184	18'-7"	STR.		5,136				
TOTAL EPOXY COATED BARS.					121,713				
		RAILINGS							
ER501	16	3'-3"	Bt.	*	**				
ER502	8	6'-7"	Bt.	*	**				
ER503	8	8'-11"	Bt.	*	**				
ER504	16	8'-3"	Bt.	*	**				
ER505	8	4'-8"	STR.	*	**				
ER506	8	19'-8"	STR.	*					
ER507	8	9'-8"	STR.	*					
ER508	60	14'-5"	STR.	*					
ER509	80	6'-11"	STR.	*					
ER510	4	8'-10"	STR.	*					
ER511	8	26'-2"	STR.	*					

MARK	NUMBER	LENGTH	TYPE	SER. INCR.	WEIGHT (LBS)	A	B	C	R

MARK	NUMBER	LENGTH	TYPE	SER. INCR.	WEIGTH (LBS)	A	B	C	R

* To Be included with Item 517, Railings, for payment.
** See Std. drawing BR-2-82 for bending diagrams and placement.

WOODRUFF, INC.
CONSULTING ENGINEERS
CLEVELAND, OHIO

REINFORCING STEEL LIST

U.S. ROUTE 20 OVER
THE GRAND RIVER

BR. NO. LAK-20-1723 FROM STA. 18+91.00
TO STA. 22+89.56

LAKE COUNTY OHIO

MADE R.L.K. P.G. DATE 10-84	TRACED MAG DATE 9-84	CHECKED P.G. DATE 10-84	REVIEWED A.J.M. DATE 10/84	REVISED SHEET 21/22

U.S. 20 OVER GRAND RIVER