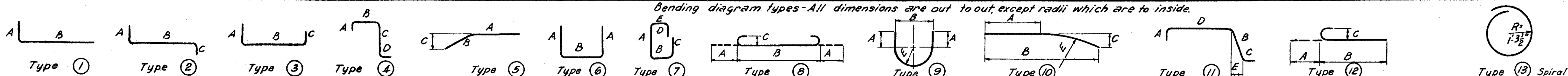


REINFORCING STEEL BAR SCHEDULE

Bending diagram types - All dimensions are out to out, except radii which are to inside.



FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO	I-1103 (19)	2843 3/2

LAKE COUNTY
LAK. -1-2.16

PIERS											PIERS - SPIRAL BARS											ABUTMENTS											ABUTMENTS (CONT)											SUPERSTRUCTURE										
MARK	TOTAL	SIZE	LENGTH	TYPE	A	B	C	D	E	WEIGHT	MARK	TOTAL	SIZE	LENGTH	PITCH	NO. OF TURNS	CORE DIA.	WEIGHT	MARK	TOTAL	SIZE	LENGTH	TYPE	A	B	C	D	E	WEIGHT	MARK	TOTAL	SIZE	LENGTH	TYPE	A	B	C	D	E	WEIGHT	MARK	TOTAL	SIZE	LENGTH	TYPE	A	B	C	D	E	WEIGHT			
PI101	16	11	17'-7"	Str.						1495	SP401	1	1/2"	14'-1"	4 1/2"	41	32"	284	AG01	106	6	10'-2"	1	4'-11"	5'-5"				1619	A527	4	5	19'-0"	Str.							79	5701	2653	7	26'-10"	Str.							145508	
TOTAL											TOTAL											TOTAL											TOTAL											TOTAL										

ITEM	TOTAL	UNIT	DESCRIPTION	SUPERSTR.	ABUTS.	PIERS	GENERAL	PIERS
E-2	1,207	Cu.Yds.	Unclassified Excavation		590	617		
E-2	210	Cu.Yds.	Shale Excavation			210		
S-1	1,623	Cu.Yds.	Class "C" Concrete, Superstructure	1,623				
S-1	394	Cu.Yds.	Class "C" Concrete, Pier Caps & Columns			394		
S-1	281	Cu.Yds.	Class "E" Concrete, Abutments above Footings		281			
S-1	472	Cu.Yds.	Class "E" Concrete, Footings		172	300	315	
S-4	605,125	Lbs.	Reinforcing Steel	412,704	27,505	164,916		12,115
S-7	2,109,400	Lbs.	Structural Steel	2,109,400				
S-8	2,131,200	Lbs.	Field Painting of Structural Steel	2,131,200				
S-14	1,346	Lin.Ft.	Railing (Aluminum Rail & Supports, Concrete Parapet)				1,346	
S-16	Lump Sum		First Test Pile					
S-18	732	Lin.Ft.	Steel Piles, I2BP53		732			
S-29	114	Cu.Yds.	Porous Backfill					
S-10	1164	Sq.Yds.	Crushed Aggregate Slope Protection				1164	

MARK	NO.	SIZE	LENGTH	TYPE	WEIGHT
RE 101	6	11	7'-6"	Str.	
RE 802	1	8	6'-6"	Str.	
RE 703	8	7	6'-3"	Str.	
RE 604	13	6	5'-11"	Str.	
RE 505	2	5	5'-7"	Str.	
RE 406	1	4	5'-3"	Str.	
RE 407	1	1/2"	5'-3"	13	

REPLACEMENT BARS
If reinforcing bars are fabricated from stock which has previously been tested and approved by the Ohio Highway Testing Laboratory, test sample as provided in section S-4.02 need not be furnished and replacement bars will not be required.

SPIRAL NOTES
The "length" shown in the steel list for the spiral bars is the distance from the top of the footing to the bottom of the pier cap.
The "No. of Turns" shown in the steel list for the spiral bars is the "length" divided by the pitch, plus 3 turns (total number of closed coils), expressed as the nearest whole number.
Spiral reinforcing bars shall not have deformations but shall in other respects conform to Item S-4.
1/2 closed coils shall be provided at ends of each spiral unit.
Four steel channel, tee or angle spacers, weighing approximately 0.68 lbs. per lin. ft. of spacer, shall be provided for each spiral unit. They shall be equally spaced along the periphery of the coil. The number of pounds of these spacers, based on 0.68 lbs. per lin. ft., will be paid for as reinforcing steel and is included in the tabulated quantity of spiral bars.

This sheet supersedes sheet 284. 3-24-60.

BAR SIZE
Bar size is indicated in the bar mark. The first digit where three digits are used, and the first two digits where four are used, indicate the bar size number. For example, A401 is a no. 4 size bar and A1114 is a no. 11 size bar.

MICHAEL BAKER JR., CONSULTING ENGINEERS ROCHESTER, PENNSYLVANIA					
REINFORCING STEEL LIST AND ESTIMATED QUANTITIES					
BRIDGE NO. LAK-I-0226 UNDER STATE ROUTE NO. 91					
LAKE COUNTY STA. 121+21.56					
Designed	Drawn	Traced	Checked	Reviewed-Date	Reviewed
Dr. Sac.	R.T.C.	R.T.C.	D.E.D.	H.G.H. 8-22-59	8-22-60
			F.E.H.	G.M.W.	9-21-60