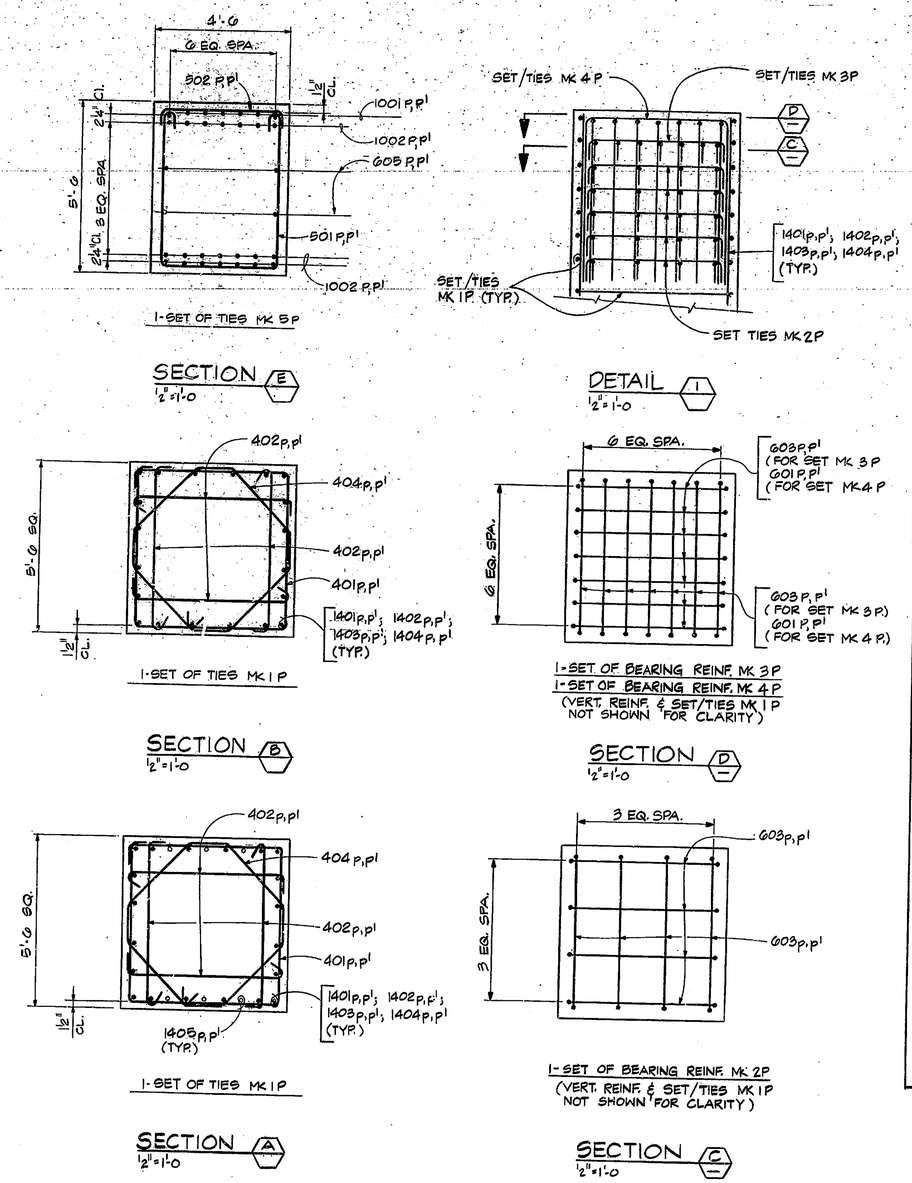

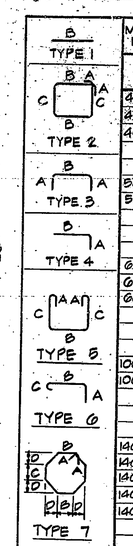

MARK Nº	TYPE	Nº REQD	A	B	C	D	E	LGTH.	WEIGHT LBS.
PIER No. 19 & 19'									
401P	2	280	0'-8	5'-3	5'-3			22'-4	
402P	6	1100	0'-8	5'-3	0'-8			6'-7	
404P	7	290	0'-8	1'-5	1'-5	1'-11		17'-10	
							TOTAL #4		12,883
501P	5	24	0'-7	4'-3	5'-3			15'-11	
502P	3	24	0'-9	4'-3				5'-9	
							TOTAL #5		542
601P	3	50	4'-6	5'-1				14'-1	
603P	3	216	0'-11	5'-1				6'-11	
605P	1	8		28'-0				28'-0	
							TOTAL #6		3,705
1001P	3	14	1'-7	28'-0			31'-2		
1002P	1	42		27'-6			27'-6		
							TOTAL #10		6,848
1401P	4	20	2'-7	72'-3				74'-10	
1402P	4	20	2'-7	73'-9				76'-4	
1403P	4	20	2'-7	74'-11				77'-6	
1404P	4	20	2'-7	76'-8				79'-3	
1405P	4	24	2'-7	44'-10				47'-5	
							TOTAL #14		55,818
							TOTAL REINF.		79,796
							CONC. fc' = 5,000 P.S.I.		
							TOTAL PIER CONCRETE VOLUME		346.0C.Y.
PIER No. 20 & 20'									
401P'	2	274	0'-8	5'-3	5'-3			22'-4	
402P'	6	1096	0'-8	5'-3	0'-8			6'-7	
404P'	7	274	0'-8	1'-5	1'-5	1'-11		17'-10	
							TOTAL #4		12,172
501P'	5	24	0'-7	4'-3	5'-3			15'-11	
502P'	3	24	0'-9	4'-3				5'-9	
							TOTAL #5		542
601P'	3	50	4'-6	5'-1				14'-1	
603P'	3	216	0'-11	5'-1				6'-11	
605P'	1	8		28'-0				28'-0	
							TOTAL #6		3,705
1001P'	3	14	1'-7	28'-0			31'-2		
1002P'	1	42		27'-6			27'-6		
							TOTAL #10		6,848
1401P'	4	20	2'-7	69'-1				71'-8	
1402P'	4	20	2'-7	70'-2				72'-0	
1403P'	4	20	2'-7	71'-0				73'-7	
1404P'	4	20	2'-7	72'-1				74'-8	
1405P'	4	24	2'-7	40'-0				43'-5	
							TOTAL #14		52,780
							TOTAL REINF.		69,169
							CONC. fc' = 5,000 P.S.I.		
							TOTAL PIER CONCRETE VOLUME		328.8C.Y.

N.	REVISION	DATE

T. Y. LIN INTERNATIONAL
STRUCTURAL ENGINEERS

REID, QUEBE, ALLISON, WILCOX AND ASSOCIATES INC.
CONSULTING ENGINEERS

8-12-1979

T. Y. LIN REGISTERED No. 18266 STATE OF INDIANA PROFESSIONAL ENGINEER

WALSH CONSTRUCTION COMPANY
A DIVISION OF GUY F. ATKINSON CO.
DARIEN, CONNECTICUT

SHEET TITLE
PIER No. 19 AND 20, E.B.L. AND W.B.L. COLUMN DETAILS (2)

CLINE AVENUE EXTENSION OVER INDIANA HARBOR CANAL
BRIDGE FILE: 912-45-2546 CONTRACT NO. 8-11812
INDIANA STATE HIGHWAY COMMISSION

SHEET N.
318