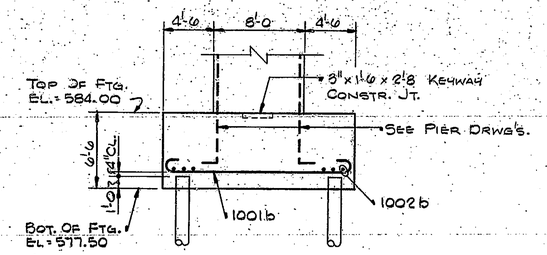
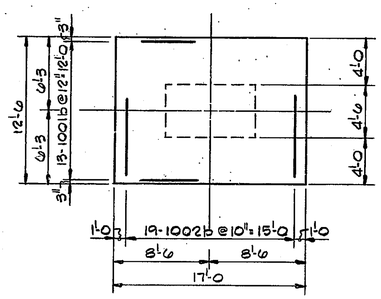
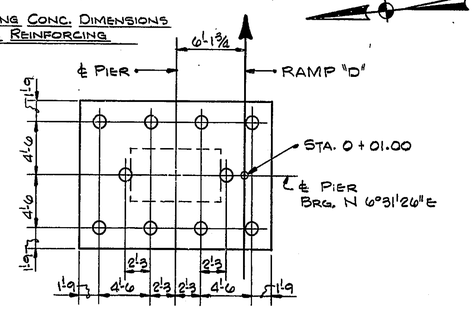




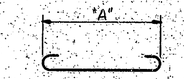
Showing Conc. Dimensions & Ftg. Reinforcing



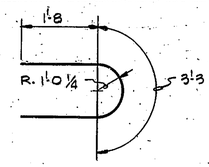
Showing Piles
(10 Piles Req'd)

PIER Nº 105

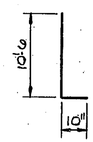
Scale 3/16"=1'-0



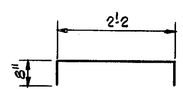
Mark	"A"	"L"
1001b	16'-6	19'-4
1002b	12'-0	14'-10
1001e	17'-0	19'-10
1002e	18'-0	20'-10
1101f	22'-0	25'-2
901f	12'-0	14'-6



502 X 6'-7



501 X 11'-4



401 X 3'-6

BILL OF MATERIALS

PIER Nº 105 REINFORCING STEEL			
Size & Mark	Nº Of Bars	Length	Weight (Lbs.)
1001b	18	19'-4	
1002b	19	14'-10	
	Total Reinf.		2,294
Concrete (f'_c=4000 psi)			Cys.
Ftg. Conc.			51.2
Miscellaneous			Qty.
10 High Capacity Piles @ 79 Lft. Ea. Approx.			790 Lft.

PIER Nº 106 REINFORCING STEEL			
Size & Mark	Nº Of Bars	Length	Weight (Lbs.)
1001e	26	19'-10	
1002e	18	20'-10	
	Total #10		3,833
501e	27	11'-4	
502e	14	6'-7	
#5	16	14'-0	
#5	6	8'-9	
	Total #5		704
401e	12	3'-6	
	Total #4		28
	Total Reinf.		4,565
Concrete (f'_c=4000 psi)			Cys.
Ftg. Conc.			101.9
Crashwall			12.2
Miscellaneous			Qty.
12 High Capacity Piles @ 75 Lft. Ea. Approx.			900 Lft.
Steel Sheet Piling			148 SFT

⊕ Includes 0.1 Cys. Additional Conc. Btwn. Sheet Piling & Footing

PIER Nº 107 REINFORCING STEEL			
Size & Mark	Nº Of Bars	Length	Weight (Lbs.)
1101f	27	25'-2	
	Total #11		3,610
901f	42	14'-6	
	Total #9		2,071
501f	24	11'-4	
502f	14	6'-7	
#5	16	15'-0	
#5	9	8'-9	
	Total #5		712
401f	11	3'-6	
	Total #4		26
	Total Reinf.		6,419
Concrete (f'_c=4000 psi)			Cys.
Ftg. Conc.			87.5
Crashwall			12.2
Miscellaneous			Qty.
13 High Capacity Piles @ 75 Lft. Ea. Approx.			975 Lft
Steel Sheet Piling			384 SFT.

⊕ Includes 1.8 Cys. Additional Conc. Btwn. Sheet Piling & Footing

Notes:

For Reinf. Bar Notes, See Br. Std. C1.
For Pier Nº 106 & 107, See Sheet 231
For Additional Notes & Details, See Sheet 201.

N.	Revision	Date

T. Y. LIN INTERNATIONAL
STRUCTURAL ENGINEERS

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

April 24, 1980

Norman D. Fryer Registered No. 13050 State of Indiana Professional Engineer

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

Sheet Title
PIER Nº 105, 106 & 107 FOOTING DETAILS

CLINE AVENUE EXTENSION OVER INDIANA HARBOR CANAL
Bridge File 812-45-2548 Contract No. B-11812 Indiana State Highway Commission

Sheet N.
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