



NOTES:

1. ABUTMENT DIAPHRAGM CONCRETE, STEEL SUPERSTRUCTURE, PHASED CONSTRUCTION: PLACE THE CONCRETE IN THE ABUTMENT DIAPHRAGM ENCASEING STRUCTURAL STEEL MEMBERS OF AN INDIVIDUAL PHASE SEPARATELY OR WITH THE DECK CONCRETE OF THAT PHASE. IF THE DIAPHRAGM CONCRETE IS PLACED SEPARATELY, ALLOW AT LEAST 48 HOURS OF SET TIME BEFORE PLACING DECK CONCRETE. LOCATE THE HORIZONTAL CONSTRUCTION JOINT BETWEEN THE DIAPHRAGM AND DECK CONCRETE AT THE APPROACH SLAB SEAT.
2. PROVIDE 2 - 1/4" DIAMETER BOLTS (6" - 7 UNC) BOLTS WITH 2 NUTS AND 2 - 3" X 3" X 1/4" WASHERS PER BOLT WITH A 3" X 10 1/2" X 3/8" BASE PLATE.
3. NEOPRENE SHEETING, 3 FEET WIDE, SHALL EXTEND FROM APPROACH SLAB DOWN TO THE BOTTOM OF HORIZONTAL NEOPRENE SHEETING AT THE JOINT BETWEEN DIAPHRAGM AND WINGWALL.
4. FOR ADDITIONAL INTERGRAL ABUTMENT DETAILS AND NOTES SEE O.D.O.T. STD. DWG. ICD-1-82.
5. FOR LIST OF ABBREVIATIONS SEE SHEET 4/70.
6. REINFORCEMENT SHOWN ON SECTION A-A APPLIES TO A TYPICAL ABUTMENT SECTION AS SHOWN ON SHEETS 51/70, 52/70 AND 49/70. REFER TO SHEET 50/70 THE REINFORCEMENT REQUIRED IN THE REMAINING SUPERSTRUCTURE DIAPHRAGMS.

BEAM	REAR ABUTMENT DIMENSION 'A'	FORWARD ABUTMENT DIMENSION 'A'
1	12"	12"
2	13 1/8"	13 3/4"
3	15 3/16"	15 1/2"
4	17 3/16"	17 5/16"
5	18 1/8"	18 3/4"
6	20 7/16"	20 3/16"
7	22 1/8"	21 5/8"
8	20 9/16"	19 7/8"
9	19 1/4"	18 5/16"
10	17 13/16"	16 3/4"

DESIGN AGENCY
PARSONS BRINCKERHOFF
QUADE & DOUGLAS, INC.
614 W. SUPERIOR AVE., SUITE 400
CLEVELAND, OHIO 44113

DRAWN	BKJ	REVIEWED	RJO
DESIGNED	P.JL	CHECKED	EBS
DATE	6-19-08	STRUCTURE FILE NUMBER	4300696 (L) 4300726 (R)

WESTBOUND ABUTMENT DIAPHRAGM DETAILS
BRIDGE NO. LAK-2-0486 L&R
STATE ROUTE 2 OVER ERIE ROAD

LAK-2-3.32
PID No. 13486

53/70

1445
1679