



CONCRETE PLACEMENT DIAGRAM AND SLAB REINFORCING STEEL LAYOUT

ROADWAY SLAB SHALL BE PLACED IN SECTIONS AND IN SEQUENCE INDICATED. ALTERNATE PROCEDURES FOR PLACING SLAB CONCRETE MAY BE SUBMITTED FOR APPROVAL TOGETHER WITH A STATEMENT OF THE PROPOSED METHOD AND EVIDENCE THAT THE CONTRACTOR POSSESSES THE NECESSARY EQUIPMENT AND FACILITIES TO ACCOMPLISH THE REQUIRED RESULT.

CONCRETE PLACEMENT QUANTITIES - C.Y.

(SUPERSTRUCTURE PLUS TWO INTEGRAL ABUTMENTS)

LOCATION	E-E ABUTMENT BEARING				
	222'-0"	232'-0"	242'-0"	252'-0"	262'-0"
SECTION 1 SLAB, WINGWALLS, ABUTMENT DIAPHRAGM, AND MASKWALL (B)	106.8	110.5	114.1	117.8	121.4
SECTION 2 SLAB, WINGWALLS, ABUTMENT DIAPHRAGM, AND MASKWALL (B)	106.8	110.5	114.1	117.8	121.4
SECTION 3 SLAB AND PIER DIAPHRAGM (B)	33.4	34.4	35.5	36.5	37.6
ABUTMENT WINGS	7.3	7.3	7.3	7.3	7.3
ABUTMENT FOOTINGS	34.9	34.9	34.9	34.9	34.9
TOTAL	289.2	297.6	305.9	314.3	322.6

ESTIMATED QUANTITIES - SUPERSTRUCTURE

(SUPERSTRUCTURE PLUS TWO INTEGRAL ABUTMENTS)

ITEM	E-E ABUTMENT BEARING					
	222'-0"	232'-0"	242'-0"	252'-0"	262'-0"	
EXCAVATION, CLASS 20	CY	109	109	109	109	
STRUCTURAL CONCRETE (BRIDGE)	CY (B)	289.2	297.6	305.9	314.3	322.6
REINFORCING STEEL	LB	6,033	6,033	6,050	6,050	6,050
REINFORCING STEEL, EPOXY COATED	LB	72,976	76,000	78,963	83,307	86,332
BEAMS, BULB TEE PRETENSIONED PRESTRESSED CONCRETE, D110	EACH	8				
BEAMS, BULB TEE PRETENSIONED PRESTRESSED CONCRETE, D115	EACH		8			
BEAMS, BULB TEE PRETENSIONED PRESTRESSED CONCRETE, D120	EACH			8		
BEAMS, BULB TEE PRETENSIONED PRESTRESSED CONCRETE, D125	EACH				8	
BEAMS, BULB TEE PRETENSIONED PRESTRESSED CONCRETE, D130	EACH					8
STRUCTURAL STEEL	LB	3,680	3,680	3,680	11,042	11,042
NUMBER OF PILES, DRIVE STEEL BEARING, HP 10 X 57 (A)		20	20	22	22	22
NUMBER OF PILES, FURNISH STEEL BEARING, HP 10 X 57 (A)		20	20	22	22	22
PREBORED HOLES	LF	200.0	200.0	220.0	220.0	220.0

GENERAL DATA - SUPERSTRUCTURE

LOCATION	E-E ABUTMENT BEARING					
	222'-0"	232'-0"	242'-0"	252'-0"	262'-0"	
END DISTANCE ON 6a1 BARS (TOP)	"A"	5 1/2	4	7	5 1/2	3 1/2
NO. OF SPACES FOR 6a1 BARS (TOP)	"B"	283	296	308	321	334
NO. OF SPACES FOR 6a1 BARS (BOTTOM) AND 5j1 BARS (TOP)	"C"	282	295	307	320	333
OUT TO OUT OF SLAB	"S"	225'-0"	235'-0"	245'-0"	255'-0"	265'-0"
SLAB TRANSVERSE CONSTR. JT. DISTANCE FROM CL. PIER	"X"	13'-11"	14'-6"	15'-2"	15'-9"	16'-5"

(A) THIS QUANTITY REPRESENTS THE NUMBER OF PILES. PILE LENGTH SHALL BE DETERMINED BASED ON SOIL INFORMATION AND TO BE INCLUDED ON THE "ESTIMATED PROJECT QUANTITIES" SHEET.

(B) DOES NOT INCLUDE HAUNCH QUANTITIES. SEE "GENERAL ELEVATION DATA" SHEET FOR HAUNCH QUANTITIES.

NOTES:

SEE BT30-5A5-04 FOR SUPERSTRUCTURE BAR LIST.

SEE "SITUATION PLAN" FOR NORTH ARROW.



STANDARD DESIGN - 30' ROADWAY, 2 SPAN BRIDGES

PRETENSIONED PRESTRESSED BULB TEE CONCRETE BEAM BRIDGES

ALL SPANS JULY, 2004

SUPERSTRUCTURE DETAILS
0° SKEW

BT30-SAI-04

LATEST REVISION DATE

APPROVED BY BRIDGE ENGINEER