



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	CL-CL ABUTMENT BEARING	222'-0	232'-0	242'-0	252'-0	262'-0
	BEAM SERIES	BTD110	BTD115	BTD120	BTD125	BTD130
SECTION 1 SLAB, WINGWALLS, ABUTMENT DIAPHRAGM, AND MASKWALL (B)		136.9	141.6	146.3	151.1	155.8
SECTION 2 SLAB, WINGWALLS, ABUTMENT DIAPHRAGM, AND MASKWALL (B)		136.9	141.6	146.3	151.1	155.8
SECTION 3 SLAB AND PIER DIAPHRAGM (B)		44.2	45.4	46.9	48.1	49.6
ABUTMENT WINGS		7.3	7.3	7.3	7.3	7.3
ABUTMENT FOOTINGS		43.3	43.3	43.3	43.3	43.3
TOTAL		368.6	379.2	390.1	400.9	411.8

GENERAL DATA - SUPERSTRUCTURE		(SUPERSTRUCTURE PLUS TWO INTEGRAL ABUTMENTS)				
LOCATION	CL-CL ABUTMENT BEARING	222'-0	232'-0	242'-0	252'-0	262'-0
	BEAM SERIES	BTD110	BTD115	BTD120	BTD125	BTD130
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

ESTIMATED QUANTITIES - SUPERSTRUCTURE		(SUPERSTRUCTURE PLUS TWO INTEGRAL ABUTMENTS)				
ITEM	CL-CL ABUTMENT BEARING	222'-0	232'-0	242'-0	252'-0	262'-0
	BEAM SERIES	BTD110	BTD115	BTD120	BTD125	BTD130
EXCAVATION, CLASS 20	CY	128	128	128	128	128
STRUCTURAL CONCRETE (BRIDGE)	CY (B)	368.6	379.2	390.1	400.9	411.8
REINFORCING STEEL	LB	7,013	7,013	7,013	7,031	7,031
REINFORCING STEEL, EPOXY COATED	LB	89,026	92,703	97,893	101,633	105,300
BEAMS, BULB TEE PRETENSIONED PRESTRESSED CONCRETE, D110	EACH	10				
BEAMS, BULB TEE PRETENSIONED PRESTRESSED CONCRETE, D115	EACH		10			
BEAMS, BULB TEE PRETENSIONED PRESTRESSED CONCRETE, D120	EACH			10		
BEAMS, BULB TEE PRETENSIONED PRESTRESSED CONCRETE, D125	EACH				10	
BEAMS, BULB TEE PRETENSIONED PRESTRESSED CONCRETE, D130	EACH					10
STRUCTURAL STEEL	LB	4,501	4,501	4,501	13,499	13,499
NUMBER OF PILES, DRIVE STEEL BEARING, HP 10 X 57 (A)		24	24	24	26	26
NUMBER OF PILES, FURNISH STEEL BEARING, HP 10 X 57 (A)		24	24	24	26	26
PREBORED HOLES	LF	240.0	240.0	240.0	260.0	260.0

(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 BT40-SA5-04 FOR SUPERSTRUCTURE BAR LIST.
SEE "SITUATION PLAN" FOR NORTH ARROW.

LATEST REVISION DATE	APPROVED BY BRIDGE ENGINEER		
		STANDARD DESIGN - 40' ROADWAY, 2 SPAN BRIDGES	
		PRETENSIONED PRESTRESSED BULB TEE CONCRETE BEAM BRIDGES	
		ALL SPANS	JULY, 2004
SUPERSTRUCTURE DETAILS		BT40-SAI-04	
0° SKEW			