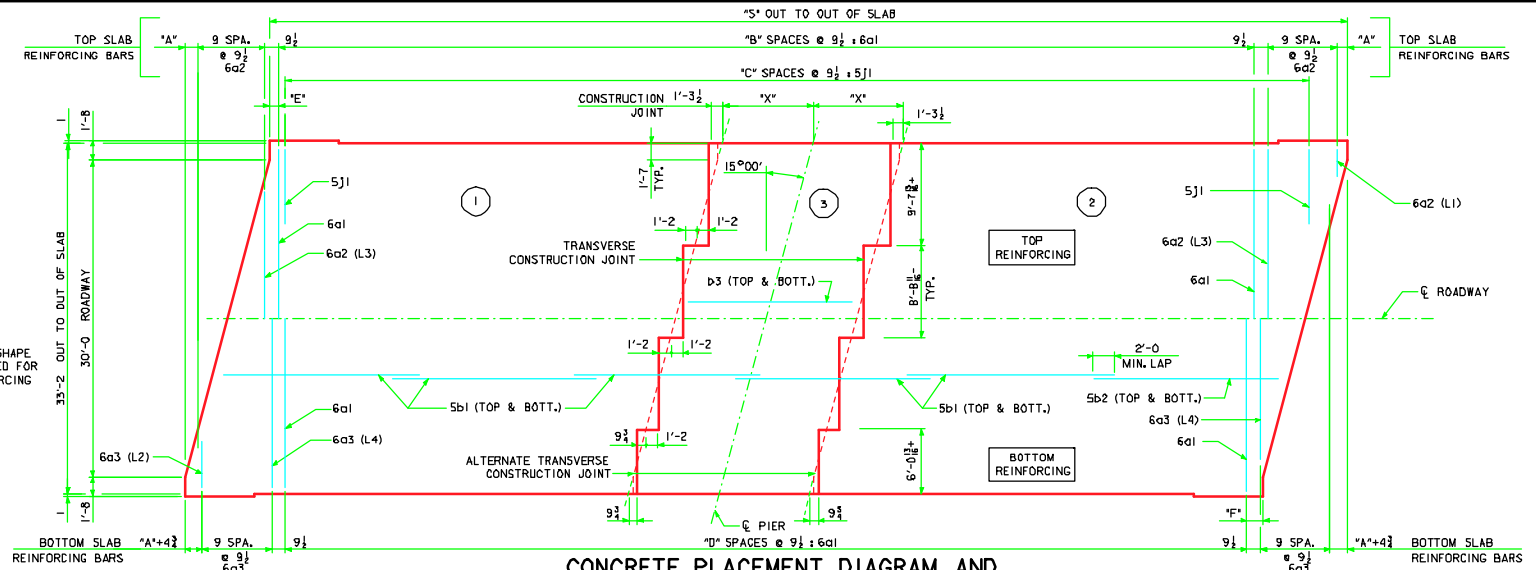


TRANSVERSE SLAB CONSTRUCTION JOINT



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	222'-0"	232'-0"	242'-0"	252'-0"	262'-0"
SECTION 1 SLAB, WINGWALLS, ABUTMENT DIAPHRAGM, AND MASKWALL (B)	107.5	111.1	114.8	118.4	122.1
SECTION 2 SLAB, WINGWALLS, ABUTMENT DIAPHRAGM, AND MASKWALL (B)	107.5	111.1	114.8	118.4	122.1
SECTION 3 SLAB AND PIER DIAPHRAGM (B)	36.7	31.7	38.8	39.8	40.9
ABUTMENT WINGS	7.3	7.3	7.3	7.3	7.3
ABUTMENT FOOTINGS	35.7	35.7	35.7	35.7	35.7
TOTAL	294.7	302.9	311.4	319.6	328.1

ESTIMATED QUANTITIES - SUPERSTRUCTURE

(SUPERSTRUCTURE PLUS TWO INTEGRAL ABUTMENTS)

ITEM	222'-0"	232'-0"	242'-0"	252'-0"	262'-0"
EXCAVATION, CLASS 20	110	110	110	110	110
STRUCTURAL CONCRETE (BRIDGE)	294.7	302.9	311.4	319.6	328.1
REINFORCING STEEL	6,105	6,105	6,122	6,122	6,122
BEAMS, BULB TEE PRETENSIONED PRESTRESSED CONCRETE, D110	8	8	8	8	8
BEAMS, BULB TEE PRETENSIONED PRESTRESSED CONCRETE, D115	8	8	8	8	8
BEAMS, BULB TEE PRETENSIONED PRESTRESSED CONCRETE, D120	8	8	8	8	8
BEAMS, BULB TEE PRETENSIONED PRESTRESSED CONCRETE, D125	8	8	8	8	8
BEAMS, BULB TEE PRETENSIONED PRESTRESSED CONCRETE, D130	8	8	8	8	8
STRUCTURAL STEEL	3,759	3,759	3,759	11,277	11,277
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	200.0	200.0	220.0	220.0	220.0

GENERAL DATA - SUPERSTRUCTURE

LOCATION	222'-0"	232'-0"	242'-0"	252'-0"	262'-0"
END DISTANCE ON 6a2 BARS (TOP)	7 1/2	5 1/2	8 1/2	6 1/2	4 1/2
NO. OF SPACES FOR 6a1 BARS (TOP)	273	286	298	311	324
NO. OF SPACES FOR 5j1 BARS (TOP)	281	294	306	319	332
NO. OF SPACES FOR 6a1 BARS (BOTTOM)	272	285	297	310	323
END DISTANCE ON 6a1 BARS (TOP)	5 1/2	3 1/2	6 1/2	5 1/2	3 1/2
END DISTANCE ON 6a1 BARS (BOTTOM)	10 1/2	8 1/2	11 1/2	9 1/2	8 1/2
OUT TO OUT OF SLAB	225'-1 1/2	235'-1 1/2	245'-1 1/2	255'-1 1/2	265'-1 1/2
LENGTH OF SHORT 6a2 BAR (TOP)	2'-11	2'-5	3'-4	2'-10	2'-3
LENGTH OF SHORT 6a3 BAR (BOTTOM)	4'-5	3'-11	4'-10	4'-3	3'-9
LENGTH OF LONG 6a2 BAR (TOP)	29'-7	29'-0	29'-11	29'-5	28'-10
LENGTH OF LONG 6a3 BAR (BOTTOM)	31'-0	30'-6	31'-5	30'-10	30'-4
SLAB TRANSVERSE CONSTR. JT. DISTANCE FROM C.L. PIER	13'-11	14'-6	15'-2	15'-9	16'-5

① 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.

② DOES NOT INCLUDE HAUNCH QUANTITIES. SEE "GENERAL ELEVATION DATA" SHEET FOR HAUNCH QUANTITIES.

NOTES:

SEE BT30-SAB-04 FOR SUPERSTRUCTURE BAR LISTS.

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

15° SKEW

BT30-SA4-02