

CONCRETE PLACEMENT DIAGRAM SHOWING SLAB REINFORCING (RIGHT AHEAD SKEW SHOWN, LEFT AHEAD SKEW SIMILAR)

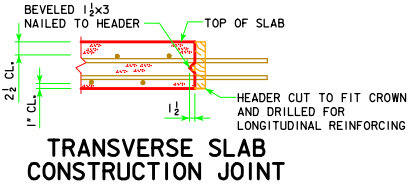
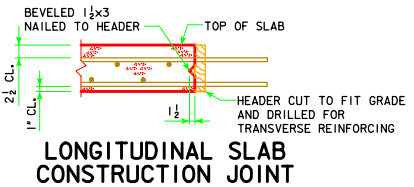
REINFORCEMENT DIMENSIONS	160'-0"	180'-0"	200'-0"	220'-0"	240'-0"	260'-0"	280'-0"	300'-0"	320'-0"	340'-0"
Δ-Δ ABUTMENT BEARINGS										
X (FT.-IN.)	163'-5 1/2	183'-5 1/2	203'-5 1/2	223'-5 1/2	243'-5 1/2	263'-5 1/2	283'-5 1/2	303'-5 1/2	323'-5 1/2	343'-5 1/2
Y (IN.)	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4
Z (SPACES)	168	192	216	240	264	288	312	336	360	384

Δ NOTE:
CONCRETE QUANTITIES SHALL BE LISTED ON THE SUMMARY QUANTITIES SHEET.

Δ CONCRETE PLACEMENT QTYS. (SUPERSTRUCTURE PLUS INTEGRAL ABUTMENTS)	160'-0"	180'-0"	200'-0"	220'-0"	240'-0"	260'-0"	280'-0"	300'-0"	320'-0"	340'-0"
SLAB, AND ABUT DIAPHRAGM, SECTION 1 & 3	CY 119.4	CY 129.5	CY 142.2	CY 154.3	CY 164.3	CY 176.5	CY 186.4	CY 196.5	CY 206.6	CY 219.8
SLAB, SECTION 2	CY 42.1	CY 47.4	CY 52.7	CY 58.0	CY 63.2	CY 68.7	CY 74.0	CY 79.2	CY 84.5	CY 89.8
SLAB, SECTION 4 & 5	CY 56.1	CY 63.2	CY 70.2	CY 77.3	CY 84.3	CY 91.6	CY 98.6	CY 105.7	CY 112.7	CY 119.8
ABUTMENT WINGS	CY 7.2	CY 7.2	CY 7.2	CY 7.6	CY 7.6	CY 7.6	CY 7.6	CY 7.6	CY 7.6	CY 13.9
TWO ABUTMENT FOOTINGS	CY 40.4	CY 40.4	CY 40.4	CY 40.4	CY 40.4	CY 40.4	CY 40.4	CY 40.4	CY 40.4	CY 48.2
TOTAL	CY 265.2	CY 287.7	CY 312.7	CY 337.6	CY 359.8	CY 384.8	CY 407.0	CY 429.4	CY 451.8	CY 491.5

ESTIMATED QTYS. (SUPERSTRUCTURE PLUS INTEGRAL ABUTMENTS)	160'-0"	180'-0"	200'-0"	220'-0"	240'-0"	260'-0"	280'-0"	300'-0"	320'-0"	340'-0"
NO. OF STEEL H-PILES FOR TWO ABUTMENTS (HP 10 X 57)	NO. 16	16	18	18	18	20	20	20	20	26
BARRIER RAILS	LF 354.9	LF 394.9	LF 434.9	LF 474.9	LF 514.9	LF 554.9	LF 594.9	LF 634.9	LF 674.9	LF 734.0
WING ARMORING - MACADAM STONE	SY 3.6	SY 3.6	SY 3.6	SY 3.6	SY 3.6	SY 3.6	SY 3.6	SY 3.6	SY 3.6	SY 5.7
PREBORED HOLES	LF 160	LF 160	LF 180	LF 180	LF 180	LF 200	LF 200	LF 200	LF 200	LF 260

NOTE:
FOR QUANTITIES OF STRUCTURAL CONCRETE, REINFORCING STEEL AND STRUCTURAL STEEL REFER TO THE SUMMARY QUANTITIES SHEET IN THE BRIDGE PLANS.



NOTES:
1. ROADWAY SLAB SHALL BE PLACED IN SECTIONS AND SEQUENCES 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 RESULTS.

SPAN LENGTHS			
BRIDGE LENGTH	SPAN 1	SPAN 2	SPAN 3
160'-0"	48'-0"	64'-0"	48'-0"
180'-0"	54'-0"	72'-0"	54'-0"
200'-0"	60'-0"	80'-0"	60'-0"
220'-0"	66'-0"	88'-0"	66'-0"
240'-0"	72'-0"	96'-0"	72'-0"
260'-0"	78'-0"	104'-0"	78'-0"
280'-0"	84'-0"	112'-0"	84'-0"
300'-0"	90'-0"	120'-0"	90'-0"
320'-0"	96'-0"	128'-0"	96'-0"
340'-0"	102'-0"	136'-0"	102'-0"

LATEST REVISION DATE	
	STANDARD DESIGN - 40' ROADWAY, 3 SPAN BRIDGES ROLLED STEEL BEAM BRIDGES OCTOBER, 2014
	SUPERSTRUCTURE QUANTITIES 30° SKEW
APPROVED BY BRIDGE ENGINEER 	RS40-034-14