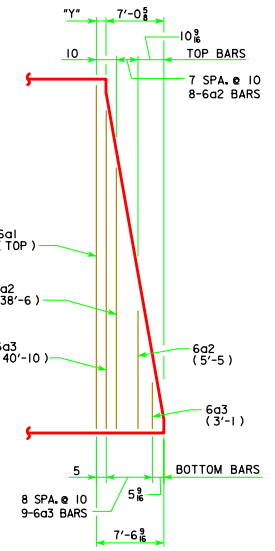


CONCRETE PLACEMENT DIAGRAM SHOWING SLAB REINFORCING (RIGHT AHEAD SKEW SHOWN, LEFT AHEAD SKEW SIMILAR)



END OF SLAB REINFORCING (TYPICAL EACH END OF DECK)

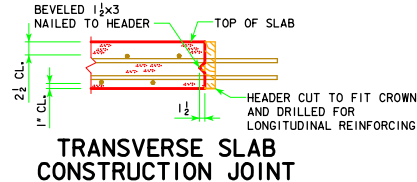
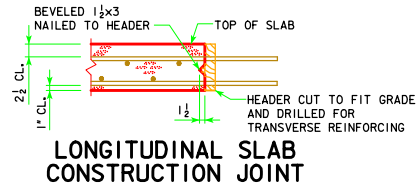
REINFORCEMENT DIMENSIONS	160'-0"	180'-0"	200'-0"	220'-0"	240'-0"	260'-0"	280'-0"	300'-0"	320'-0"	340'-0"
ABUTMENT BEARINGS										
X (FT.-IN.)	163'-0 ⁵ / ₈	183'-0 ⁵ / ₈	203'-0 ⁵ / ₈	223'-0 ⁵ / ₈	243'-0 ⁵ / ₈	263'-0 ⁵ / ₈	283'-0 ⁵ / ₈	303'-0 ⁵ / ₈	323'-0 ⁵ / ₈	343'-0 ⁵ / ₈
Y (IN.)	5 ⁵ / ₈	5 ⁵ / ₈	5 ⁵ / ₈	5 ⁵ / ₈	5 ⁵ / ₈	5 ⁵ / ₈	5 ⁵ / ₈	5 ⁵ / ₈	5 ⁵ / ₈	5 ⁵ / ₈
Z (SPACES)	186	210	234	258	282	306	330	354	378	402

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 114.4	CY 124.4	CY 136.7	CY 148.5	CY 158.5	CY 170.3	CY 180.3	CY 190.3	CY 200.4	CY 213.1
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 35.5	CY 35.5	CY 35.5	CY 35.5	CY 35.5	CY 35.5	CY 35.5	CY 35.5	CY 35.5	CY 43.3
TOTAL	CY 255.3	CY 277.7	CY 302.3	CY 326.9	CY 349.1	CY 373.7	CY 396.0	CY 418.3	CY 440.7	CY 479.9

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) AND DESIGN BEARING REQUIRED PER PILE	NO. 16	16	16	18	18	18	20	20	20	24
BARRIER RAILS	LF 354.1	LF 394.1	LF 434.1	LF 474.1	LF 514.1	LF 554.1	LF 594.1	LF 634.1	LF 674.1	LF 734.0
WING ARMORING - MACADAM STONE	SY 3.5	SY 3.5	SY 3.5	SY 3.5	SY 3.5	SY 3.5	SY 3.5	SY 3.5	SY 3.5	SY 5.7
PREBORED HOLES	LF 160	LF 160	LF 160	LF 180	LF 180	LF 180	LF 200	LF 200	LF 200	LF 240

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



BRIDGE LENGTH	SPAN LENGTHS		
	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"

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.

LATEST REVISION DATE	
	STANDARD DESIGN - 40' ROADWAY, 3 SPAN BRIDGES ROLLED STEEL BEAM BRIDGES OCTOBER, 2014
	SUPERSTRUCTURE QUANTITIES 10° SKEW
APPROVED BY BRIDGE ENGINEER <i>Thomas E. McQuinn</i>	RS40-032-14