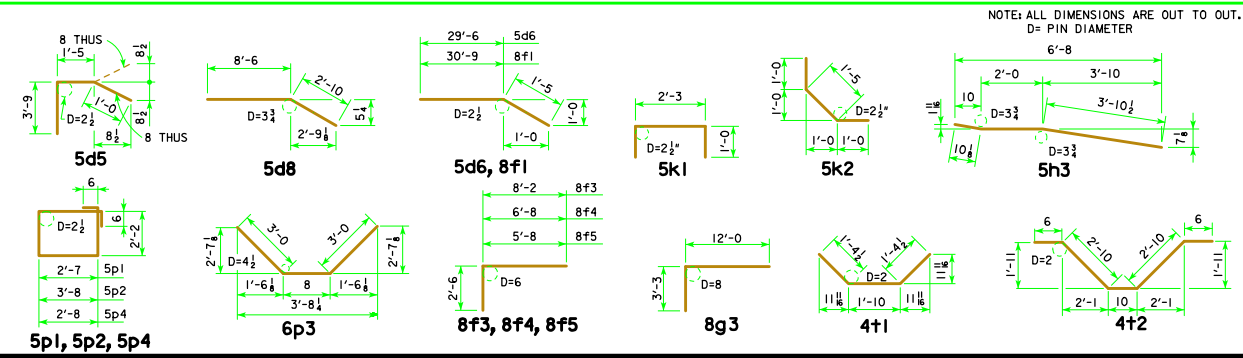


| EPOXY COATED REINFORCING BAR LIST | | | BRIDGE LENGTH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|-------|--|--------|--------|-----|--------|--------|--------|--------|--------|-----|--------|--------|--------|--------|--------|-----|--------|--------|--------|--------|---------|-----|--------|--------|---------|--------|--------|-----|---------|--------|--|--|---------|--|--|--|---------|--|--|--|
| ONE SUPERSTRUCTURE AND TWO ABUTMENTS | | | 160'-0 | | 180'-0 | | 200'-0 | | 220'-0 | | 240'-0 | | 260'-0 | | 280'-0 | | 300'-0 | | 320'-0 | | 340'-0 | | | | | | | | | | | | | | | | | | | | | |
| BAR | LOCATION | SHAPE | NO. | LENGTH | WEIGHT | NO. | LENGTH | WEIGHT | NO. | LENGTH | WEIGHT | NO. | LENGTH | WEIGHT | NO. | LENGTH | WEIGHT | NO. | LENGTH | WEIGHT | NO. | LENGTH | WEIGHT | | | | | | | | | | | | | | | | | | | |
| 6a1 | SLAB TRANSVERSE, TOP & BOTTOM | | 297 | 42'-10 | 19,108 | 345 | 42'-10 | 22,196 | 393 | 42'-10 | 25,284 | 441 | 42'-10 | 28,373 | 489 | 42'-10 | 31,461 | 537 | 42'-10 | 34,549 | 585 | 42'-10 | 37,637 | 633 | 42'-10 | 40,725 | 681 | 42'-10 | 43,813 | 729 | 42'-10 | 46,901 | | | | | | | | | | |
| 6a2 | SLAB TRANSVERSE, TOP-ENDS | | 94 | VARIES | 3060 | 94 | VARIES | 3060 | 94 | VARIES | 3060 | 94 | VARIES | 3060 | 94 | VARIES | 3060 | 94 | VARIES | 3060 | 94 | VARIES | 3060 | 94 | VARIES | 3060 | 94 | VARIES | 3060 | 94 | VARIES | 3060 | | | | | | | | | | |
| 6a3 | SLAB TRANSVERSE, BOTTOM-ENDS | | 94 | VARIES | 3118 | 94 | VARIES | 3118 | 94 | VARIES | 3118 | 94 | VARIES | 3118 | 94 | VARIES | 3118 | 94 | VARIES | 3118 | 94 | VARIES | 3118 | 94 | VARIES | 3118 | 94 | VARIES | 3118 | 94 | VARIES | 3118 | | | | | | | | | | |
| 6b1 | SLAB LONGITUDINAL TOP & BOTTOM | | 485 | 34'-8 | 25,254 | 485 | 38'-8 | 28,168 | 582 | 36'-0 | 31,470 | 582 | 39'-4 | 34,384 | 679 | 36'-11 | 37,650 | 679 | 39'-9 | 40,540 | 776 | 37'-7 | 43,806 | 873 | 35'-11 | 47,096 | 873 | 38'-1 | 49,937 | 970 | 36'-6 | 53,179 | | | | | | | | | | |
| 5d2 | ABUTMENT DIAPHRAGM, LONGITUDINAL | | 16 | 29'-6 | 493 | 16 | 29'-6 | 493 | 16 | 29'-6 | 493 | 16 | 29'-6 | 493 | 16 | 29'-6 | 493 | 16 | 29'-6 | 493 | 16 | 29'-6 | 493 | 16 | 29'-6 | 493 | 16 | 29'-6 | 493 | 16 | 29'-6 | 493 | | | | | | | | | | |
| 5d5 | ABUTMENT DIAPHRAGM, LONGITUDINAL - END | | 16 | 6'-2 | 103 | 16 | 6'-2 | 103 | 16 | 6'-2 | 103 | 16 | 6'-2 | 103 | 16 | 6'-2 | 103 | 16 | 6'-2 | 103 | 16 | 6'-2 | 103 | 16 | 6'-2 | 103 | 16 | 6'-2 | 103 | 16 | 6'-2 | 103 | | | | | | | | | | |
| 5d6 | ABUTMENT DIAPHRAGM, LONGITUDINAL - B.F. | | 16 | 30'-11 | 516 | 16 | 30'-11 | 516 | 16 | 30'-11 | 516 | 16 | 30'-11 | 516 | 16 | 30'-11 | 516 | 16 | 30'-11 | 516 | 16 | 30'-11 | 516 | 16 | 30'-11 | 516 | 16 | 30'-11 | 516 | 16 | 30'-11 | 516 | | | | | | | | | | |
| 5d7 | PAVING NOTCH, LONGITUDINAL | | 8 | 31'-3 | 261 | 8 | 31'-3 | 261 | 8 | 31'-3 | 261 | 8 | 31'-3 | 261 | 8 | 31'-3 | 261 | 8 | 31'-3 | 261 | 8 | 31'-3 | 261 | 8 | 31'-3 | 261 | 8 | 31'-3 | 261 | 8 | 31'-3 | 261 | | | | | | | | | | |
| 5d8 | ABUT. DIAPHRAGM WING EXT. LONGIT. | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | | | | | | | | |
| 5d9 | ABUT. DIAPHRAGM WING EXT. LONGIT. | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | | | | | | | | |
| 8f1 | ABUTMENT FOOTING LONGITUDINAL - B.F. | | 36 | 32'-2 | 3092 | 36 | 32'-2 | 3092 | 36 | 32'-2 | 3092 | 36 | 32'-2 | 3092 | 36 | 32'-2 | 3092 | 36 | 32'-2 | 3092 | 36 | 32'-2 | 3092 | 36 | 32'-2 | 3092 | 36 | 32'-2 | 3092 | 36 | 32'-2 | 3092 | | | | | | | | | | |
| 8f3 | ABUTMENT EXTENSION LONGITUDINAL | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | | | | | | | | |
| 8f4 | ABUTMENT EXTENSION LONGITUDINAL | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | | | | | | | | |
| 8f5 | ABUTMENT EXTENSION LONGITUDINAL | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | | | | | | | | |
| 8g1 | ABUTMENT VERTICAL - B.F. | | 168 | 6'-5 | 2879 | 168 | 6'-5 | 2879 | 168 | 6'-8 | 2991 | 168 | 6'-11 | 3103 | 168 | 6'-11 | 3103 | 168 | 7'-1 | 3178 | 168 | 7'-2 | 3215 | 168 | 7'-2 | 3215 | 168 | 7'-2 | 3215 | 168 | 7'-2 | 3215 | | | | | | | | | | |
| 8g3 | ABUTMENT DIAPHRAGM VERTICAL - B.F. | | 84 | 15'-3 | 3421 | 84 | 15'-3 | 3421 | 84 | 15'-3 | 3421 | 84 | 15'-3 | 3421 | 84 | 15'-3 | 3421 | 84 | 15'-3 | 3421 | 84 | 15'-3 | 3421 | 84 | 15'-3 | 3421 | 84 | 15'-3 | 3421 | 84 | 15'-3 | 3421 | | | | | | | | | | |
| 6g4 | ABUTMENT DIAPHRAGM WING EXT. VERT. | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | | | | | | | | |
| 5h1 | WING HORIZONTAL BACK FACE | | 28 | 6'-8 | 195 | 28 | 6'-8 | 195 | 28 | 6'-8 | 195 | 28 | 6'-8 | 195 | 28 | 6'-8 | 195 | 28 | 6'-8 | 195 | 28 | 6'-8 | 195 | 28 | 6'-8 | 195 | 28 | 6'-8 | 195 | 28 | 6'-8 | 195 | | | | | | | | | | |
| 5h2 | WING HORIZONTAL BACK FACE | | 56 | 4'-11 | 288 | 56 | 4'-11 | 288 | 56 | 4'-11 | 288 | 56 | 4'-11 | 288 | 56 | 4'-11 | 288 | 56 | 4'-11 | 288 | 56 | 4'-11 | 288 | 56 | 4'-11 | 288 | 56 | 4'-11 | 288 | 56 | 4'-11 | 288 | | | | | | | | | | |
| 5h3 | WING HORIZONTAL TRAFFIC FACE | | 28 | 6'-9 | 198 | 28 | 6'-9 | 198 | 28 | 6'-9 | 198 | 28 | 6'-9 | 198 | 28 | 6'-9 | 198 | 28 | 6'-9 | 198 | 28 | 6'-9 | 198 | 28 | 6'-9 | 198 | 28 | 6'-9 | 198 | 28 | 6'-9 | 198 | | | | | | | | | | |
| 5h4 | WING HORIZONTAL TRAFFIC FACE | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | | | | | | | | |
| 5j1 | TOP OF SLAB, TRANSVERSE, AT RAIL | | 380 | 6'-3 | 2478 | 428 | 6'-3 | 2791 | 476 | 6'-3 | 3103 | 524 | 6'-3 | 3416 | 572 | 6'-3 | 3729 | 620 | 6'-3 | 4042 | 668 | 6'-3 | 4355 | 716 | 6'-3 | 4668 | 764 | 6'-3 | 4981 | 812 | 6'-3 | 5294 | | | | | | | | | | |
| 5k1 | PAVING NOTCH, TRANSVERSE | | 86 | 4'-3 | 382 | 86 | 4'-3 | 382 | 86 | 4'-3 | 382 | 86 | 4'-3 | 382 | 86 | 4'-3 | 382 | 86 | 4'-3 | 382 | 86 | 4'-3 | 382 | 86 | 4'-3 | 382 | 86 | 4'-3 | 382 | 86 | 4'-3 | 382 | | | | | | | | | | |
| 5k2 | PAVING NOTCH, TRANSVERSE | | 86 | 3'-5 | 307 | 86 | 3'-5 | 307 | 86 | 3'-5 | 307 | 86 | 3'-5 | 307 | 86 | 3'-5 | 307 | 86 | 3'-5 | 307 | 86 | 3'-5 | 307 | 86 | 3'-5 | 307 | 86 | 3'-5 | 307 | 86 | 3'-5 | 307 | | | | | | | | | | |
| 5p1 | ABUTMENT HOOPS | | 192 | 10'-6 | 2103 | 192 | 10'-6 | 2103 | 192 | 10'-6 | 2103 | 192 | 10'-6 | 2103 | 216 | 10'-6 | 2366 | 216 | 10'-6 | 2366 | 216 | 10'-6 | 2366 | 216 | 10'-6 | 2366 | 216 | 10'-6 | 2366 | 200 | 10'-6 | 2191 | | | | | | | | | | |
| 5p2 | ABUTMENT HOOPS AT ENDS | | 8 | 12'-8 | 106 | 8 | 12'-8 | 106 | 8 | 12'-8 | 106 | 8 | 12'-8 | 106 | 8 | 12'-8 | 106 | 8 | 12'-8 | 106 | 8 | 12'-8 | 106 | 8 | 12'-8 | 106 | 8 | 12'-8 | 106 | 8 | 12'-8 | 106 | | | | | | | | | | |
| 6p3 | ABUTMENT BOTTOM AT PILES | | 36 | 6'-8 | 361 | 36 | 6'-8 | 361 | 36 | 6'-8 | 361 | 36 | 6'-8 | 361 | 40 | 6'-8 | 401 | 40 | 6'-8 | 401 | 40 | 6'-8 | 401 | 40 | 6'-8 | 401 | 44 | 6'-8 | 441 | 44 | 6'-8 | 441 | | | | | | | | | | |
| 5p4 | ABUTMENT EXTENSION HOOPS | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | | | | | | | | |
| 5s1 | WING, VERTICAL | | 64 | 5'-7 | 373 | 64 | 5'-7 | 373 | 64 | 5'-7 | 373 | 64 | 6'-2 | 412 | 64 | 6'-2 | 412 | 64 | 6'-2 | 412 | 64 | 6'-2 | 412 | 64 | 6'-2 | 412 | 64 | 6'-2 | 412 | 64 | 6'-11 | 462 | | | | | | | | | | |
| 4t1 | UNDER BEAMS AT ABUTMENTS | | 12 | 4'-7 | 37 | 12 | 4'-7 | 37 | 12 | 4'-7 | 37 | 12 | 4'-7 | 37 | 12 | 4'-7 | 37 | 12 | 4'-7 | 37 | 12 | 4'-7 | 37 | 12 | 4'-7 | 37 | 12 | 4'-7 | 37 | 12 | 4'-7 | 37 | | | | | | | | | | |
| 4t2 | ABUTMENT DIAPHRAGM, LONGITUDINAL F.F. | | 36 | 7'-6 | 181 | 36 | 7'-6 | 181 | 36 | 7'-6 | 181 | 36 | 7'-6 | 181 | 36 | 7'-6 | 181 | 36 | 7'-6 | 181 | 36 | 7'-6 | 181 | 36 | 7'-6 | 181 | 36 | 7'-6 | 181 | 36 | 7'-6 | 181 | | | | | | | | | | |
| | * PILE SPIRAL - NO. 2 BAR | | 18 | 38'-6 | 116 | 18 | 38'-6 | 116 | 18 | 38'-6 | 116 | 18 | 38'-6 | 116 | 20 | 38'-6 | 129 | 20 | 38'-6 | 129 | 20 | 38'-6 | 129 | 20 | 38'-6 | 129 | 20 | 38'-6 | 129 | 22 | 38'-6 | 142 | | | | | | | | | | |
| | * SPIRAL SPACER L ₄ x ₄ x ₄ x ₄ 0.70 | | 54 | 1'-10 | 70 | 54 | 1'-10 | 70 | 54 | 1'-10 | 70 | 54 | 1'-10 | 70 | 54 | 1'-10 | 70 | 60 | 1'-10 | 77 | 60 | 1'-10 | 77 | 60 | 1'-10 | 77 | 60 | 1'-10 | 77 | 60 | 1'-10 | 77 | | | | | | | | | | |
| ** REINFORCING STEEL EPOXY COATED (LBS.) | | | 68,500 | | | | 74,815 | | | | 81,629 | | | | 88,096 | | | | 95,086 | | | | 101,452 | | | | 108,156 | | | | 114,847 | | | | 120,975 | | | | 129,757 | | | |
| * EPOXY COATING NOT REQUIRED | | | ** BARRIER RAIL REINFORCING NOT INCLUDED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

BENT BAR DETAILS



NOTE: THE REINFORCING STEEL QUANTITY IS TO BE INCLUDED ON THE SUMMARY QUANTITIES SHEET IN THE PLAN.

| | | |
|----------------------|---------------------------------|---|
| LATEST REVISION DATE | APPROVED BY BRIDGE ENGINEER | |
| | | STANDARD DESIGN - 40' ROADWAY, 3 SPAN BRIDGES ROLLED STEEL BEAM BRIDGES |
| | | OCTOBER, 2014 |
| | | DECK AND ABUTMENT REINFORCEMENT 45° SKEW |
| | | RS40-040-14 |