

| DIMENSIONS | | | | | | | | | | | REINFORCING STEEL | | | | | | | | | | | | | | | | |
|------------|--------|----------------|-------------------|------------|----|--------|----|--------|----|--------|-------------------|-------------|------------|------------|---------|------|-------------|--------|------|-------------|-----------|--------|--------------|--------------|---------|-------------|--------|
| SPAN | HEIGHT | T1 | T2 | T3 | A | B | C | D | E | F | BH1 | | | BH2 | | | BH3 | | | BV1 | | | NO. BL1 BARS | NO. BL2 BARS | | | |
| (FT.) | (FT.) | TOP SLAB (IN.) | BOTTOM SLAB (IN.) | WALL (IN.) | | | | | | | SIZE | SPACING c-c | a | b | LENGTH | SIZE | SPACING c-c | LENGTH | SIZE | SPACING c-c | a | LENGTH | | | SIZE | SPACING c-c | LENGTH |
| 12 | 14 | 19 1/2" | 19 1/2" | 9 3/4" | 11 | 11'-0" | 11 | 11'-0" | 12 | 12'-0" | 5 | 5/2" | 13'-3 1/2" | 9'-1 1/2" | 30'-11" | 8 | 5/2" | 13'-3" | 4 | 5/2" | 4'-1/2" | 7'-10" | 6 | 8" | 16'-11" | 52 | 52 |
| 12 | 16 | 19 1/2" | 19 1/2" | 11" | 11 | 11'-0" | 11 | 11'-0" | 14 | 14'-0" | 6 | 5/2" | 13'-6" | 10'-1 1/2" | 32'-11" | 8 | 5/2" | 13'-6" | 3 | 5/2" | 4'-1 3/4" | 8'-1" | 8 | 12" | 16'-11" | 52 | 60 |
| 14 | 8 | 22 1/2" | 22 1/2" | 8" | 13 | 13'-0" | 13 | 13'-0" | 6 | 6'-0" | 4 | 5" | 15'-0" | 6'-4 1/2" | 27'-3" | 8 | 5" | 15'-0" | -- | --- | ----- | ----- | 4 | 12" | 11'-5" | 60 | 28 |
| 14 | 10 | 22 3/4" | 22 3/4" | 8" | 13 | 13'-0" | 13 | 13'-0" | 8 | 8'-0" | 4 | 5" | 15'-0" | 7'-4 3/4" | 29'-3" | 8 | 5" | 15'-0" | 3 | 5" | 4'-3 5/8" | 8'-5" | 4 | 6 1/2" | 13'-6" | 60 | 36 |
| 14 | 12 | 22 3/4" | 22 3/4" | 8 1/4" | 13 | 13'-0" | 13 | 13'-0" | 10 | 10'-0" | 5 | 4 1/2" | 15'-1 1/2" | 8'-4 3/4" | 31'-2" | 8 | 4 1/2" | 15'-0" | -- | --- | ----- | ----- | 6 | 9" | 15'-6" | 60 | 44 |
| 14 | 14 | 22 3/4" | 22 3/4" | 9 1/2" | 13 | 13'-0" | 13 | 13'-0" | 12 | 12'-0" | 5 | 5" | 15'-3" | 9'-4 3/4" | 33'-5" | 8 | 5" | 15'-3" | 3 | 5" | 4'-5 1/8" | 8'-8" | 5 | 5 1/2" | 17'-6" | 60 | 52 |
| 14 | 16 | 22 3/4" | 22 3/4" | 11" | 13 | 13'-0" | 13 | 13'-0" | 14 | 14'-0" | 6 | 4 1/2" | 15'-6" | 10'-4 3/4" | 35'-6" | 8 | 4 1/2" | 15'-6" | -- | --- | ----- | ----- | 7 | 9 1/2" | 19'-6" | 60 | 60 |

| SPAN | HEIGHT | REINFORCING STEEL (LBS./LONG. JT) | QUAN./LF | | HEADWALLS | | | | | | | | | | |
|-------|--------|-----------------------------------|---------------------------|-----------------------------|-----------------|------|--------|----------------------------|-------------------------------|-----------------------------|--------------------------------|----------|--|--|--|
| | | | CONCRETE CLASS A4 (CY/LF) | REINFORCING STEEL (LBS./LF) | G | HW1 | | INLET CONCRETE CL. A4 (CY) | INLET REINFORCING STEEL (LBS) | OUTLET CONCRETE CL. A4 (CY) | OUTLET REINFORCING STEEL (LBS) | WINGWALL | | | |
| (FT.) | (FT.) | | | | HEADWALL LENGTH | SIZE | LENGTH | | | | | | | | |
| 12 | 14 | 61.776 | 2.189 | 471.266 | 14'-10" | 6 | 14'-6" | 2.572 | 87.116 | 2.604 | 87.116 | Y | | | |
| 12 | 16 | 64.600 | 2.751 | 557.865 | 14'-10" | 6 | 14'-6" | 2.588 | 87.116 | 2.620 | 87.116 | CC | | | |
| 14 | 8 | 59.984 | 2.540 | 345.475 | 16'-10" | 6 | 16'-6" | 2.267 | 99.132 | 2.308 | 99.132 | N | | | |
| 14 | 10 | 62.808 | 2.658 | 403.321 | 16'-10" | 6 | 16'-6" | 2.446 | 99.132 | 2.486 | 99.132 | R | | | |
| 14 | 12 | 65.632 | 2.744 | 505.676 | 16'-10" | 6 | 16'-6" | 2.607 | 99.132 | 2.647 | 99.132 | V | | | |
| 14 | 14 | 68.456 | 3.011 | 533.304 | 16'-10" | 6 | 16'-6" | 2.653 | 99.132 | 2.692 | 99.132 | Z | | | |
| 14 | 16 | 71.280 | 3.301 | 668.433 | 16'-10" | 6 | 16'-6" | 2.638 | 99.132 | 2.676 | 99.132 | DD | | | |

FOR TYPICAL SECTION, NOTES AND OTHER DETAILS, REFER TO STANDARD BCB-DT.

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| SPECIFICATION REFERENCE | OVERSIZE BOX CULVERTS | | VDOT ROAD AND BRIDGE STANDARDS |
| | 25 TO 30 FT. FILLS | | |
| | VIRGINIA DEPARTMENT OF TRANSPORTATION | | |
| | REVISION DATE | SHEET 1 OF 1 | 1001.09 |