

COMMONWEALTH OF VIRGINIA



2008

ROAD AND BRIDGE STANDARDS

VOLUME I I

SECTION 1000

BOX CULVERTS

VDOT 2008 Road and Bridge Standards
Section 1000 - Box Culverts

Standard	Page	Title	Current Revision	Previous Revisions						Original Standard	Insertable Sheet
BC-GEN	1000.05	General Box Culvert Assumptions	7/11								
BCB-DT	1001.01	Oversize Box Culvert Standard Details	7/11								
	1001.02	Oversize Box Culvert Standard Details	7/11								
BCB-02	1001.03	Oversize Box Culvert 0 to 2 FT. Fills	7/11								
BCB-05	1001.04	Oversize Box Culvert 2 to 5 FT. Fills	7/11								
BCB-10	1001.05	Oversize Box Culvert 5 to 10 FT. Fills	7/11								
BCB-20	1001.06	Oversize Box Culvert 10 to 20 FT. Fills	7/11								
BCB-30	1001.07	Oversize Box Culvert 20 to 30 FT. Fills	7/11								
BCB-40	1001.08	Oversize Box Culvert 30 to 40 FT. Fills	7/11								
BCB-50	1001.09	Oversize Box Culvert 40 to 50 FT. Fills	7/11								
BCS-DT	1002.01	Single Box Culvert Standard Details	7/11								
	1002.02	Single Box Culvert Standard Details	7/11								
BCS-02	1002.03	Single Box Culvert 0 to 2 FT. Fills	7/11								
	1002.04	Single Box Culvert 0 to 2 FT. Fills	7/11								
BCS-05	1002.05	Single Box Culvert 2 to 5 FT. Fills	7/11								
	1002.06	Single Box Culvert 2 to 5 FT. Fills	7/11								
BCS-10	1002.07	Single Box Culvert 5 to 10 FT. Fills	7/11								
	1002.08	Single Box Culvert 5 to 10 FT. Fills	7/11								

VDOT 2008 Road and Bridge Standards
Section 1000 - Box Culverts

Standard	Page	Title	Current Revision	Previous Revisions					Original Standard	Insertable Sheet
BCS-20	1002.09	Single Box Culvert 10 to 20 FT. Fills	7/11							
	1002.10	Single Box Culvert 10 to 20 FT. Fills	7/11							
BCS-30	1002.11	Single Box Culvert 20 to 30 FT. Fills	7/11							
	1002.12	Single Box Culvert 20 to 30 FT. Fills	7/11							
BCS-40	1002.13	Single Box Culvert 30 to 40 FT. Fills	7/11							
	1002.14	Single Box Culvert 30 to 40 FT. Fills	7/11							
BCS-50	1002.15	Single Box Culvert 40 to 50 FT. Fills	7/11							
	1002.16	Single Box Culvert 40 to 50 FT. Fills	7/11							
BCD-DT	1003.01	Double Box Culvert Standard Details	7/11							
	1003.02	Double Box Culvert Standard Details	7/11							
	1003.03	Double Box Culvert Standard Details	7/11							
	1003.04	Double Box Culvert Standard Details	7/11							
BCD-02	1003.05	Double Box Culvert 0 to 2 FT. Fills	7/11							
	1003.06	Double Box Culvert 0 to 2 FT. Fills	7/11							
BCD-05	1003.07	Double Box Culvert 2 to 5 FT. Fills	7/11							
	1003.08	Double Box Culvert 2 to 5 FT. Fills	7/11							
BCD-10	1003.09	Double Box Culvert 5 to 10 FT. Fills	7/11							
	1003.10	Double Box Culvert 5 to 10 FT. Fills	7/11							

VDOT 2008 Road and Bridge Standards
Section 1000 - Box Culverts

Standard	Page	Title	Current Revision	Previous Revisions					Original Standard	Insertable Sheet
BCD-20	1003.11	Double Box Culvert 10 to 20 FT. Fills	7/11							
	1003.12	Double Box Culvert 10 to 20 FT. Fills	7/11							
BCD-30	1003.13	Double Box Culvert 20 to 30 FT. Fills	7/11							
	1003.14	Double Box Culvert 20 to 30 FT. Fills	7/11							
BCD-40	1003.15	Double Box Culvert 30 to 40 FT. Fills	7/11							
	1003.16	Double Box Culvert 30 to 40 FT. Fills	7/11							
BCD-50	1003.17	Double Box Culvert 40 to 50 FT. Fills	7/11							
	1003.18	Double Box Culvert 40 to 50 FT. Fills	7/11							
BCT-DT	1004.01	Triple Box Culvert Standard Details	7/11							
	1004.02	Triple Box Culvert Standard Details	7/11							
	1004.03	Triple Box Culvert Standard Details	7/11							
	1004.04	Triple Box Culvert Standard Details	7/11							
BCT-02	1004.05	Triple Box Culvert 0 to 2 FT. Fills	7/11							
	1004.06	Triple Box Culvert 0 to 2 FT. Fills	7/11							
BCT-05	1004.07	Triple Box Culvert 2 to 5 FT. Fills	7/11							
	1004.08	Triple Box Culvert 2 to 5 FT. Fills	7/11							
BCT-10	1004.09	Triple Box Culvert 5 to 10 FT. Fills	7/11							
	1004.10	Triple Box Culvert 5 to 10 FT. Fills	7/11							

VDOT 2008 Road and Bridge Standards
Section 1000 - Box Culverts

Standard	Page	Title	Current Revision	Previous Revisions					Original Standard	Insertable Sheet
BCT-20	1004.11	Triple Box Culvert 10 to 20 FT. Fills	7/11							
	1004.12	Triple Box Culvert 10 to 20 FT. Fills	7/11							
BCT-30	1004.13	Triple Box Culvert 20 to 30 FT. Fills	7/11							
	1004.14	Triple Box Culvert 20 to 30 FT. Fills	7/11							
BCT-40	1004.15	Triple Box Culvert 30 to 40 FT. Fills	7/11							
	1004.16	Triple Box Culvert 30 to 40 FT. Fills	7/11							
BCT-50	1004.17	Triple Box Culvert 40 to 50 FT. Fills	7/11							
	1004.18	Triple Box Culvert 40 to 50 FT. Fills	7/11							
BCQ-DT	1005.01	Quadruple Box Culvert Standard Details	7/11							
	1005.02	Quadruple Box Culvert Standard Details	7/11							
	1005.03	Quadruple Box Culvert Standard Details	7/11							
	1005.04	Quadruple Box Culvert Standard Details	7/11							
BCQ-02	1005.05	Quadruple Box Culvert 0 to 2 FT. Fills	7/11							
	1005.06	Quadruple Box Culvert 0 to 2 FT. Fills	7/11							
BCQ-05	1005.07	Quadruple Box Culvert 2 to 5 FT. Fills	7/11							
	1005.08	Quadruple Box Culvert 2 to 5 FT. Fills	7/11							
BCQ-10	1005.09	Quadruple Box Culvert 5 to 10 FT. Fills	7/11							
	1005.10	Quadruple Box Culvert 5 to 10 FT. Fills	7/11							

VDOT 2008 Road and Bridge Standards
Section 1000 - Box Culverts

Standard	Page	Title	Current Revision	Previous Revisions					Original Standard	Insertable Sheet
BCQ-20	1005.11	Quadruple Box Culvert 10 to 20 FT. Fills	7/11							
	1005.12	Quadruple Box Culvert 10 to 20 FT. Fills	7/11							
BCQ-30	1005.13	Quadruple Box Culvert 20 to 30 FT. Fills	7/11							
	1005.14	Quadruple Box Culvert 20 to 30 FT. Fills	7/11							
BCQ-40	1005.15	Quadruple Box Culvert 30 to 40 FT. Fills	7/11							
	1005.16	Quadruple Box Culvert 30 to 40 FT. Fills	7/11							
BCQ-50	1005.17	Quadruple Box Culvert 40 to 50 FT. Fills	7/11							
	1005.18	Quadruple Box Culvert 40 to 50 FT. Fills	7/11							
BCW-11	1006.01	Wing Details 1 1/2: 1 Fill Slope - Type I	7/11							
		(Requires a special design at this time)								
BCW-12	1006.02	Wing Details 1 1/2: 1 Fill Slope - Type II	7/11							
		(Requires a special design at this time)								
BCW-21	1007.01	Wing Details 2: 1 Fill Slope Type I	7/11							
	1007.02	Wing Details 2: 1 Fill Slope Type I	7/11							
	1007.03	Wing Details 2: 1 Fill Slope Type I	7/11							
	1007.04	Wing Details 2: 1 Fill Slope Type I	7/11							

VDOT 2008 Road and Bridge Standards
Section 1000 - Box Culverts

Standard	Page	Title	Current Revision	Previous Revisions						Original Standard	Insertable Sheet
BCW-21	1007.05	Wing Details 2: 1 Fill Slope Type I	7/11								
	1007.06	Wing Details 2: 1 Fill Slope Type I	7/11								
	1007.07	Wing Details 2: 1 Fill Slope Type I	7/11								
	1007.08	Wing Details 2: 1 Fill Slope Type I	7/11								
BCW-22	1007.09	Wing Details 2: 1 Fill Slope Type II	7/11								
	1007.10	Wing Details 2: 1 Fill Slope Type II	7/11								
	1007.11	Wing Details 2: 1 Fill Slope Type II	7/11								
	1007.12	Wing Details 2: 1 Fill Slope Type II	7/11								
	1007.13	Wing Details 2: 1 Fill Slope Type II	7/11								
	1007.14	Wing Details 2: 1 Fill Slope Type II	7/11								
	1007.15	Wing Details 2: 1 Fill Slope Type II	7/11								
	1007.16	Wing Details 2: 1 Fill Slope Type II	7/11								
BCE-01	1008.01	Details for Widening Existing Box Culverts Modifications to Existing Box	7/11								
	1008.02	Details for Widening Existing Box Culverts Height Transitions	7/11								
	1008.03	Details for Widening Existing Box Culverts Wall Transitions	7/11								
	1008.04	Details for Widening Existing Box Culverts Wall Transitions	7/11								