

LETTER TO INDUSTRY
LTI#00000018

DATE: December 8, 2017

DCSM REFERENCE ARTICLE: Appendix B – Performance Bond Project Cost Estimate (B-13)

SUMMARY OF ISSUE/TOPIC: 2017 Update to Performance Bond Project Cost Estimate unit costs.

EFFECTIVE DATE: January 8, 2017

POLICY / REQUIREMENTS / GUIDELINE: The City has updated the unit costs identified in the Project Cost Estimate for the Unit Price List for Performance Bonds in Appendix B of the DCSM to reflect current costs in 2017.

Developers shall use the updated unit costs to establish bond amount for all project submitted after the effective date identified above.

BACKGROUND: The jurisdiction updates the Unit Price List periodically to reflect industry standard.

CONTACT: Steve Burke

DEPARTMENTS: Community Development and the Department of Public Works

MANAGERS APPROVAL: Elizabeth Via-Gossman and Steve Burke

MANAGERS TITLES: Community Development and Public Works Department Directors

**UNIT PRICE LIST FOR PERFORMANCE BONDS
CITY OF MANASSAS
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
PROJECT COST ESTIMATE
EFFECTIVE JANUARY 8, 2018**

Project Name: _____

Project Number: _____

Date: _____

Prepared By: _____

Note: This form is to be used as a work sheet to estimate performance bond prices posted with the City of Manassas. These prices do not include items that are to be bonded separately with other agencies.

Concrete Items	Quantity	Units	Unit Cost	Total
VDOT Std. CG-2	0	L.F.	\$25.00	\$
VDOT Std. CG-3	0	L.F.	\$25.00	\$
VDOT Std. CG-6 / CG-6R	0	L.F.	\$25.00	\$
VDOT Std. CG-7	0	L.F.	\$25.00	\$
VDOT Std. MS-1	0	L.F.	\$74.00	\$
VDOT Std. MS-1A	0	L.F.	\$86.00	\$
VDOT Std. Sidewalk (4' Wide)	0	L.F.	\$33.00	\$
VDOT Std. Sidewalk (5' Wide)	0	L.F.	\$34.00	\$
Misc. Concrete	0	C.Y.	\$600.00	\$
VDOT Std. CG-9 Entrance (30' Wide)	0	EA.	\$5,000.00	\$
VDOT Std. CG-10 Entrance (30' Wide)	0	EA.	\$4,200.00	\$
VDOT Std. CG-11 Entrance	0	EA.	\$3,000.00	\$
VDOT Std. CG-12 Ramp	0	EA.	\$2,000.00	\$
VDOT Std. Retaining Wall	0	C.Y.	\$725.00	\$
City Std. R-7 Commercial Entrance (30')	0	EA.	\$6,000.00	\$
City Std. R-7 Commercial Entrance (40')	0	EA.	\$9,000.00	\$
City Std. R-8 Commercial Entrance (30')	0	EA.	\$5,000.00	\$
City Std. R-8 Commercial Entrance (40')	0	EA.	\$7,000.00	\$
City Std. R-8 Commercial Entrance (50')	0	EA.	\$9,000.00	\$
Concrete Items Subtotal				\$
Storm Sewer Structures	Quantity	Units	Unit Cost	Total
VDOT Std. EW-1 (15")	0	EA.	\$1,100.00	\$
VDOT Std. EW-1 (18")	0	EA.	\$1,300.00	\$
VDOT Std. EW-1 (21")	0	EA.	\$1,500.00	\$
VDOT Std. EW-1 (24")	0	EA.	\$1,750.00	\$
VDOT Std. EW-1 (27")	0	EA.	\$1,900.00	\$
VDOT Std. EW-1 (30")	0	EA.	\$2,100.00	\$
VDOT Std. EW-1 (33")	0	EA.	\$2,300.00	\$
VDOT Std. EW-1 (36")	0	EA.	\$2,800.00	\$
VDOT Std. EW-1 (42")	0	EA.	\$4,000.00	\$
VDOT Std. EW-1 (48")	0	EA.	\$4,200.00	\$
VDOT Std. EW-1 (54")	0	EA.	\$5,000.00	\$
VDOT Std. EW-1 (60")	0	EA.	\$5,500.00	\$

Unit Price List for Performance Bonds – C.O.M.

VDOT Std. EW-1 (66")	0	EA.	\$6,000.00	\$
VDOT Std. EW-1 (72")	0	EA.	\$7,500.00	\$
VDOT Std. EW-2 (15")	0	EA.	\$1,340.00	\$
VDOT Std. EW-2 (18")	0	EA.	\$1,440.00	\$
VDOT Std. EW-2 (21")	0	EA.	\$1,740.00	\$
VDOT Std. EW-2 (24")	0	EA.	\$1,790.00	\$
VDOT Std. EW-2 (27")	0	EA.	\$2,140.00	\$
VDOT Std. EW-2 (30")	0	EA.	\$2,340.00	\$
VDOT Std. EW-2 (33")	0	EA.	\$2,440.00	\$
VDOT Std. EW-2 (36")	0	EA.	\$2,540.00	\$
VDOT Std. EW-2 (42")	0	EA.	\$4,050.00	\$
VDOT Std. EW-2 (48")	0	EA.	\$4,250.00	\$
VDOT Std. EW-2 (54")	0	EA.	\$5,050.00	\$
VDOT Std. EW-2 (60")	0	EA.	\$5,550.00	\$
VDOT Std. EW-2 (66")	0	EA.	\$6,050.00	\$
VDOT Std. EW-2 (72")	0	EA.	\$7,550.00	\$
VDOT Std.ES-1 (15")	0	EA.	\$600.00	\$
VDOT Std.ES-1 (18")	0	EA.	\$750.00	\$
VDOT Std.ES-1 (21")	0	EA.	\$900.00	\$
VDOT Std.ES-1 (24")	0	EA.	\$950.00	\$
VDOT Std.ES-1 (27")	0	EA.	\$1,250.00	\$
VDOT Std.ES-1 (30")	0	EA.	\$1,350.00	\$
VDOT Std.ES-1 (33")	0	EA.	\$1,750.00	\$
VDOT Std.ES-1 (36")	0	EA.	\$2,000.00	\$
VDOT Std.ES-1 (42")	0	EA.	\$2,950.00	\$
VDOT Std.ES-1 (48")	0	EA.	\$3,100.00	\$
VDOT Std.ES-1 (54")	0	EA.	\$3,300.00	\$
VDOT Std.ES-1 (60")	0	EA.	\$3,550.00	\$
VDOT Std.ES-1 (66")	0	EA.	\$3,900.00	\$
VDOT Std.ES-1 (72")	0	EA.	\$4,600.00	\$
VDOT Std. DI-1	0	EA.	\$3,970.00	\$
VDOT Std. DI-2	0	EA.	\$4,500.00	\$
VDOT Std. DI-3 (A,B,C)	0	EA.	\$5,800.00	\$
VDOT Std. DI-3 (D)	0	EA.	\$6,200.00	\$
VDOT Std. DI-3 (E)	0	EA.	\$6,500.00	\$
VDOT Std. DI-3 (F)	0	EA.	\$6,900.00	\$
VDOT Std. DI-5	0	EA.	\$7,200.00	\$
VDOT Std. DI-7	0	EA.	\$4,500.00	\$
VDOT Std. MH-1 Manhole	0	EA.	\$3,250.00	\$
VDOT Std. MH-2 Manhole	0	EA.	\$3,750.00	\$
VDOT Std. DI-9	0	EA.	\$2,500.00	\$
VDOT Std. JB-1	0	EA.	\$6,000.00	\$
Storm Structure Items Subtotal				\$

Unit Price List for Performance Bonds – C.O.M.

Storm Sewer Pipe / Ditches	Quantity	Units	Unit Cost	Total
15" RCP	0	L.F.	\$50.00	\$
18" RCP	0	L.F.	\$55.00	\$
21" RCP	0	L.F.	\$60.00	\$
24" RCP	0	L.F.	\$65.00	\$
27" RCP	0	L.F.	\$70.00	\$
30" RCP	0	L.F.	\$80.00	\$
33" RCP	0	L.F.	\$115.00	\$
36" RCP	0	L.F.	\$125.00	\$
42" RCP	0	L.F.	\$145.00	\$
48" RCP	0	L.F.	\$155.00	\$
54" RCP	0	L.F.	\$200.00	\$
60" RCP	0	L.F.	\$240.00	\$
66" RCP	0	L.F.	\$300.00	\$
72" RCP	0	L.F.	\$350.00	\$
84" RCP	0	L.F.	\$400.00	\$
23"x 14" ERCP	0	L.F.	\$92.00	\$
30"x 19" ERCP	0	L.F.	\$110.00	\$
34"x 22" ERCP	0	L.F.	\$150.00	\$
38"x 24" ERCP	0	L.F.	\$165.00	\$
42"x 27" ERCP	0	L.F.	\$170.00	\$
45"x 29" ERCP	0	L.F.	\$185.00	\$
49"x 32" ERCP	0	L.F.	\$190.00	\$
53"x 34" ERCP	0	L.F.	\$200.00	\$
60"x 38" ERCP	0	L.F.	\$220.00	\$
68"x 43" ERCP	0	L.F.	\$275.00	\$
76"x 48" ERCP	0	L.F.	\$320.00	\$
83"x 53" ERCP	0	L.F.	\$400.00	\$
VDOT Std. Box Culvert	0	C.Y.	\$750.00	\$
VDOT Std. Underdrain (Sidewalk)	0	L.F.	\$14.00	\$
VDOT Std. Underdrain (Roadway)	0	L.F.	\$21.00	\$
VDOT Std. Paved Ditch / Gutter	0	S.F	\$7.00	\$
VDOT Std. Rip Rap (Dry)	0	S.F	\$7.50	\$
VDOT Std. Rip Rap (Grouted)	0	S.F	\$9.50	\$
[*Pipe Includes Bedding Material (#57 Stone)				
Excavation and Backfill with 2' Cover]				
Storm Pipe / Ditches Items Subtotal				\$

Unit Price List for Performance Bonds – C.O.M.

Water Mains / Related Items	Quantity	Units	Unit Cost	Total
Fire Hydrant Assembly	0	EA.	\$8,000.00	\$
4" DIP Water Main	0	L.F.	\$50.00	\$
6" DIP Water Main	0	L.F.	\$65.00	\$
8" DIP Water Main	0	L.F.	\$80.00	\$
12" DIP Water Main	0	L.F.	\$110.00	\$
4" WV&G Valve	0	EA.	\$1,000.00	\$
6" WV&G Valve	0	EA.	\$1,250.00	\$
8" WV&G Valve	0	EA.	\$2,250.00	\$
12" WV&G Valve	0	EA.	\$2,750.00	\$
4" Wet Tap	0	EA.	\$3,500.00	\$
6" Wet Tap	0	EA.	\$4,900.00	\$
8" Wet Tap	0	EA.	\$5,600.00	\$
12" Wet Tap	0	EA.	\$8,500.00	\$
Water Service (less than 1")	0	EA.	\$2,000.00	\$
Water Service (1")	0	EA.	\$2,400.00	\$
Water Service (1 1/2" - 2")	0	EA.	\$2,850.00	\$
Water Service (3" or larger)	0	EA.	\$3,250.00	\$
Water Main / Related Items Subtotal				\$
Sanitary Sewer / Related Items	Quantity	Units	Unit Cost	Total
4" Sanitary Sewer (Plastic)	0	L.F.	\$35.00	\$
6" Sanitary Sewer (Plastic)	0	L.F.	\$50.00	\$
8" Sanitary Sewer (Plastic)	0	L.F.	\$75.00	\$
12" Sanitary Sewer (Plastic)	0	L.F.	\$145.00	\$
8" Ductile Iron Sanitary Sewer	0	L.F.	\$85.00	\$
12" Ductile Iron Sanitary Sewer	0	L.F.	\$150.00	\$
Core-Bore Existing Manhole	0	EA.	\$2,500.00	\$
VDOT Std. MH-1 Manhole (6' Deep)	0	EA.	\$10,000.00	\$
VDOT Std. MH-2 Manhole (6' Deep)	0	EA.	\$11,500.00	\$
Drop Connection	0	EA.	\$1,500.00	\$
San.Sew./Related Items Subtotal				\$
Pavement / Paving Items	Quantity	Units	Unit Cost	Total
Bituminous Concrete Type SM-9.5	0	S.Y./inch	\$21.50	\$
Bituminous Concrete Type BM-25.0	0	S.Y./inch	\$10.00	\$
Intermediate Course Type IM-19.0A	0	S.Y./inch	\$15.00	\$
Class A Prime & Double Seal (Surface)	0	S.Y.	\$6.50	\$
Aggregate Base Type 21-A	0	S.Y./inch	\$1.75	\$
Asphalt Curb (6" High)	0	L.F.	\$25.00	\$
Asphalt Trail w/ 4" Aggr. Base	0	S.Y.	\$30.00	\$
Asphalt Milling	0	S.Y./inch	\$4.00	\$
Gravel Shoulders (4" Depth)	0	S.Y.	\$7.00	\$
Pavement Restoration	0	EA.	\$10,500.00	\$
Pavement/Paving Items Subtotal				\$

Unit Price List for Performance Bonds – C.O.M.

Landscaping	Quantity	Units	Unit Cost	Total
Deciduous Tree (2.5" cal.)	0	EA.	\$300.00	\$
Evergreen Tree (6'-7')	0	EA.	\$295.00	\$
Shrub (30"-36")	0	EA.	\$75.00	\$
Seed and Mulch (Fescue)	0	/ AC	\$7,250.00	\$
Sod (Fescue)	0	S.Y.	\$8.00	\$
Landscape Timbers (P.T.)	0	L.F.	\$29.00	\$
Landscaping Items Subtotal				\$
Erosion & Sediment Control	Quantity	Units	Unit Cost	Total
Clear and Grub	0	AC.	\$12,000.00	\$
Silt Fence	0	L.F.	\$6.00	\$
Super Silt Fence	0	L.F.	\$12.00	\$
Safety Fence	0	L.F.	\$5.50	\$
Sediment Trap	0	L.F.	\$45.00	\$
Inlet Protection	0	EA.	\$200.00	\$
Outlet Protection	0	EA.	\$180.00	\$
Check Dam	0	EA.	\$185.00	\$
Diversion Berm	0	L.F.	\$10.50	\$
Construction Entrance w/ Wash Rack	0	EA.	\$3,800.00	\$
Temporary Seeding w/ Mulch	0	S.Y.	\$1.50	\$
Permanent Seeding w/ Mulch	0	S.Y.	\$1.75	\$
Erosion/Sediment Items Subtotal				\$
Earthwork	Quantity	Units	Unit Cost	Total
Fill Material	0	C.Y.	\$40.00	\$
Excavation (Regular)	0	C.Y.	\$38.00	\$
Excavation (Rock)	0	C.Y.	\$95.00	\$
Material Stockpile	0	C.Y.	\$15.00	\$
Earthwork Subtotal				\$
Traffic Control / Signals / Striping	Quantity	Units	Unit Cost	Total
Traffic Signal Pole Assembly	0	EA.	\$75,000.00	\$
Traffic Signal Controller and Cabinet	0	EA.	\$25,000.00	\$
Barricades / Barrels	0	EA.	\$45.00	\$
Temporary Line Painting / Striping (Type A)	0	L.F.	\$0.70	\$
Permanent Line Painting / Striping (Type B)	0	L.F.	\$1.25	\$
Crosswalk Painting (6' Wide)	0	L.F.	\$18.50	\$
Stop Bar Painting (2' Wide)	0	L.F.	\$4.50	\$
Flow Arrow Painting	0	EA.	\$150.00	\$
VDOT Std. Guard Rail	0	L.F.	\$35.00	\$
Std. TB-1 Traffic Barricade	0	EA.	\$1,500.00	\$
Std. ED-1 Road Edge Delineators (Type 1)	0	EA.	\$125.00	\$
Std. ED-1 Road Edge Delineators (Type 2)	0	EA.	\$110.00	\$
Std. ED-1 Road Edge Delineators (Type 3)	0	EA.	\$100.00	\$
VDOT Std. Guard Rail Terminal (GR-7)	0	EA.	\$3,000.00	\$
Traffic Signals/Striping Subtotal				\$

Unit Price List for Performance Bonds – C.O.M.

<i>Miscellaneous / Incidentals</i>	<i>Quantity</i>	<i>Units</i>	<i>Unit Cost</i>	<i>Total</i>
<i>Monument Sign</i>	0	L.S.	\$	\$
<i>Irrigation System</i>	0	L.S.	\$	\$
<i>Street Lights</i>	0	EA.	\$5,000.00	\$
<i>Parking Area Lights</i>	0	EA.	\$4,000.00	\$
<i>Std. 4' High Chain Link Fence</i>	0	L.F.	\$35.00	\$
<i>Std. 6' High Chain Link Fence</i>	0	L.F.	\$41.00	\$
<i>Std. 4' High Board on Board Fence</i>	0	L.F.	\$28.00	\$
<i>Std. 6' High Board on Board Fence</i>	0	L.F.	\$30.00	\$
<i>Misc. / Incidental Items Subtotal</i>				\$

Construction Cost Total **\$**

Admin Cost (15% Construction Cost) **\$**

Total Performance Bond Amount **\$**