CITY OF HARRISONBURG, VA
BONDING UNIT COSTS
Form Updated August 2025

PROJECT NAME:
ESTIMATE DATE:

ITEMS WITH $0.00 UNIT PRICE ARE TO BE NEGOTIATED BASED ON PROJECT
SIGNIFICANT OTHER ITEMS NOT LISTED ARE TO BE NEGOTIATED BASED ON PROJECT

No.	Description	Est. Quant.	Unit	Unit Cost	Extended Cost
Category - Roadway Items					
R-1	Clearing & Grubbing	0	AC	$10,000.00	$0.00
R-2	Traffic Control	0	Lump Sum	**$0.00**	$0.00
R-3	Flexible Pavement Planing	0	SY	$28.00	$0.00
R-4	Remove Ex. Guardrail, incl. posts&hardware	0	LF	$3.30	$0.00
R-5	Demolition of Pavement	0	SY	$48.00	$0.00
R-6	Pavement Saw Cutting	0	LF	$15.00	$0.00
R-7	Common Excavation	0	CY	$38.25	$0.00
R-8	Rock Excavation (10% of total exc. vol.)	0	CY	$236.75	$0.00
R-9	Geotechnical Testing	0	1000 LF of Street	$300.00	$0.00
R-10	Aggregate, Type 21-A	0	SY-IN	$2.40	$0.00
R-11	Asphaltic Concrete Base BM-25.0	0	SY-IN	$13.50	$0.00
R-12	Asphaltic Concrete Surface SM-12.5A	0	SY-IN	$15.00	$0.00
R-13	Asphaltic Concrete Surface SM-19.0A	0	SY-IN	$22.00	$0.00
R-14	Pavement Marking and Signage	0	Lump Sum	**$0.00**	$0.00
R-15	CG-6 Curb & Gutter, incl. CG-11	0	LF	$50.00	$0.00
R-16	Entrance Gutter, CG-9B, 9D or 10A	0	SY	$100.00	$0.00
R-17	Conc. Sidewalk, Incl. Stone Base	0	SY	$75.00	$0.00
R-18	Curb Cut Ramp, CG-12A, B ,C	0	EA	$1,500.00	$0.00
R-19	Retaining Wall, RW-3 or other	0	SF Face	$170.00	$0.00
R-20	HR-1 Hand Rail, Pipe Type Only	0	LF	$490.00	$0.00
R-21	Guardrail, GR-2 Steel Post	0	LF	$32.00	$0.00
R-22	Guardrail Terminal, GR-7 or 9	0	EA	$4,200.00	$0.00
R-23	Utility Pole Relocation	0	EA	$16,800.00	$0.00
Sub-Total - Roadway Items					**$0.00**
Category - Drainage Items					
D-1	DI-1 / convex grate inlet	0	EA	$3,600.00	$0.00
D-2	DI-7	0	EA	$7,800.00	$0.00
D-3	DI-3 (L= 4' - 8')	0	EA	$8,600.00	$0.00
D-4	DI-3 (L >= 10')	0	EA	$10,000.00	$0.00
D-5	DI-4	0	EA	$8,700.00	$0.00
D-6	Storm Manhole w/ Frame & Cover	0	EA	$5,000.00	$0.00
D-7	Storm Junction Box	0	EA	$10,000.00	$0.00
D-8	RCP Storm Pipe, Class III, 15-42 in.	0	LF - IN. DIA.	$5.00	$0.00
D-9	RCP Storm Pipe, Class III, 48-60 in.	0	LF - IN. DIA.	$5.50	$0.00
D-10	RCP Storm Pipe, Class III, 60+ in.	0	LF - IN. DIA.	$6.00	$0.00
D-11	RCP Storm Pipe, Class IV, add	0	LF - IN. DIA.	$1.00	$0.00
D-12	RCP Storm Pipe, Class V, add	0	LF - IN. DIA.	$1.25	$0.00
D-13	RCP Storm End Section	0	EA - IN. DIA.	$74.00	$0.00
D-14	Storm Endwalls	0	SF Face	$170.00	$0.00
D-15	RCP Storm Tee, Wye, etc.	0	EA - IN. DIA.	$84.00	$0.00
D-16	RCP Storm Bend	0	EA - IN. DIA.	$67.00	$0.00
D-17	Concrete Box Culvert	0	CY	$925.00	$0.00
D-18	Underdrain Type UD-3 or Crossdrail Type CD-2	0	LF	$38.00	$0.00
Sub-Total - Drainage Items					**$0.00**

Category - Erosion Control & Stormwater Management Items

ES-1	Class A1 Dry Riprap Incl. Filter Fabric	0	SY	$100.00	$0.00
ES-2	Class 1 Dry Riprap Incl. Filter Fabric	0	SY	$142.00	$0.00
ES-3	Class 2 Dry Riprap Incl. Filter Fabric	0	SY	$152.00	$0.00
ES-4	Silt Fence or Diversion Dike	0	LF	$5.00	$0.00
ES-5	Temporary Slope Drains	0	EA	$1,800.00	$0.00
ES-6	Inlet Protection, IP, all types	0	EA	$365.00	$0.00
ES-7	Culvert Inlet Protection, CIP, all types	0	EA	$695.00	$0.00
ES-8	Rock Check Dam, CD	0	EA	$310.00	$0.00
ES-9	Topsoil, Seed & Mulch (entire disturbed area)	0	AC	$27,000.00	$0.00
ES-10	Sodding for Ditchlines & Swales	0	SY	$7.50	$0.00
ES-11	EC-2 Protective Covering	0	SY	$3.30	$0.00
ES-12	EC-3 Soil Stabilization Blanket	0	SY	$12.60	$0.00
ES-13	Construction Entrance, CE	0	EA	$6,600.00	$0.00
ES-14	Temporary Sediment Trap, ST	0	EA	$5,500.00	$0.00
ES-15	Temporary Sediment Basin, SB	0	EA	$12,000.00	$0.00
ES-16	Above Ground Detention Basin (Incl. Extended Detention)	0	CF Storage	$0.85	$0.00
ES-17	Below Ground Detention Basin	0	CF Pipe or Chamber Stor.	$8.40	$0.00
ES-18	Constructed Wetlands	0	CF Storage	$1.70	$0.00
ES-19	Bio-Retention Basin/Filter (incl. planting)	0	EA	$13,400.00	$0.00
ES-20	Sand Filter	0	EA	$25,200.00	$0.00
ES-21	Grassed Channel	0	SY	$10.00	$0.00
ES-22	Vegetated Filter Strip	0	SY	$92.75	$0.00
ES-23	Level Spreader	0	LF	$50.00	$0.00
ES-24	Paved Flume	0	SY	$550.00	$0.00
ES-25	Stream Crossing	0	LS	**$0.00**	$0.00
ES-26	Turbidity Curtain	0	LF	$40.00	$0.00
ES-27	Safety Fence	0	LF	$5.00	$0.00
ES-28	Compost Filter Sock	0	LF	$14.00	$0.00
ES-29	Permeable Pavement	0	SY	$144.00	$0.00
ES-30	Gravel Diaphragm	0	SF	$7.50	$0.00
ES-31	Wet Swale	0	SF	$7.50	$0.00
ES-32	Dry Swale	0	SF	$10.00	$0.00
ES-33	Wet Pond	0	CF Storage	$1.60	$0.00
ES-34	Compost Amendment	0	CY	$85.00	$0.00
ES-35	Tree Planting	0	EA	$620.00	$0.00
ES-36	Gabion	0	CY	$560.00	$0.00
ES-37	Drop Inlet Bio-Filter BMP	0	EA	$32,000.00	$0.00
ES-38	Hydrodynamic Separator	0	EA	$30,000.00	$0.00
ES-39	Vault Filter System	0	EA	$50,000.00	$0.00

Sub-Total - Erosion Control & Stormwater Management Items **$0.00**

Category - Water & Sewer Items

WS-1	8" D.I. Water Main	0	LF	$140.00	$0.00
WS-2	10" D.I. Water Main	0	LF	$145.00	$0.00
WS-3	12" D.I. Water Main	0	LF	$170.00	$0.00
WS-4	Fire Hydrant Assembly (incl. 6in. Valve)	0	EA	$5,600.00	$0.00
WS-5	Fire Hydrant Relocation	0	EA	$5,600.00	$0.00
WS-6	8" Gate Valve w/Box	0	EA	$1,800.00	$0.00
WS-7	10" Gate Valve w/Box	0	EA	$2,700.00	$0.00
WS-8	12" Gate Valve w/Box	0	EA	$2,800.00	$0.00
WS-9	Air Release Valve & Vault	0	EA	$4,200.00	$0.00
WS-10	Detector Check Valve & Vault	0	EA	$5,900.00	$0.00
WS-11	1" Partial Water Service	0	EA	$2,700.00	$0.00
WS-12	2" Water Service	0	EA	$5,100.00	$0.00
WS-13	Misc. Fittings (Bend, Tee, etc.)	0	EA	$670.00	$0.00
WS-14	8-12" PVC Sewer Main	0	LF	$115.00	$0.00
WS-15	8-12" D.I. Sewer Main	0	LF	$150.00	$0.00
WS-16	4' Dia. Manhole - Depth Six Feet or Less	0	EA	$4,300.00	$0.00
WS-17	4' Dia. Manhole - Depth Greater than Six Feet	0	EA	$6,500.00	$0.00

WS-18	5' Dia. Manhole	0	EA	$8,400.00	$0.00
WS-19	6' Dia. Manhole	0	EA	$10,000.00	$0.00
WS-20	Manhole Frame & Cover	0	EA	$800.00	$0.00
WS-21	4" & 6" PVC Sewer Lateral	0	LF	$75.00	$0.00
WS-22	Cleanout	0	EA	$1,000.00	$0.00
Sub-Total - Water & Sewer Items					**$0.00**
Category - Landscaping					
L-1	Large Deciduous Tree	0	EA	$630.00	$0.00
L-2	Small/Ornamental Deciduous Tree	0	EA	$375.00	$0.00
L-3	Evergreen Tree	0	EA	$400.00	$0.00
L-4	Deciduous Shrub	0	EA	$60.00	$0.00
L-5	Evergreen Shrub	0	EA	$67.00	$0.00
L-6	Vinyl 2-Rail Fence	0	LF	$43.00	$0.00
L-7	Vinyl 6ft Privacy Fence	0	LF	$51.00	$0.00
L-8	Wood 2-Rail Fence	0	LF	$30.00	$0.00
L-9	Wood 6-ft Privacy Fence	0	LF	$88.00	$0.00
L-10	Bicycle Racks	0	EA	$900.00	$0.00
L-11	Dumpster Screening	0	EA	$6,600.00	$0.00
Sub-Total - Landscaping					**$0.00**
Category - Proffered Items					
P-1	<Description>	0	LS	**$0.00**	$0.00
P-2	<Description>	0	LS	**$0.00**	$0.00
P-3	<Description>	0	LS	**$0.00**	$0.00
Sub-Total - Proffered Items					**$0.00**
SUB-TOTAL ALL ITEMS					$0.00
ENGINEERING AND ADMINISTRATIVE CONTINGENCY (15%)					$0.00
GRAND TOTAL					**$0.00**

RECOMMENDED BOND AMOUNT