

Site Improvement Bond Quantity Worksheet

Web date: 05/12/2021

				Existing Right-of-Way		Future Public Right of Way & Drainage Facilities		Private Improvements		
		Unit Price	Unit	Quant.	Cost	Quant.	Cost	Quant.	Cost	
GENERAL ITEMS										
	No.									
Backfill & Compaction- embankment	GI - 1	\$ 7.65	CY							
Backfill & Compaction- trench	GI - 2	\$ 11.48	CY							
Clear/Remove Brush, by hand	GI - 3	\$ 1.28	SY							
Clearing/Grubbing/Tree Removal	GI - 4	\$ 12,750.00	Acre							
Excavation - bulk	GI - 5	\$ 2.55	CY							
Excavation - Trench	GI - 6	\$ 6.38	CY							
Fencing, cedar, 6' high	GI - 7	\$ 25.50	LF							
Fencing, chain link, vinyl coated, 6' high	GI - 8	\$ 25.50	LF							
Fencing, chain link, gate, vinyl coated, 20'	GI - 9	\$ 1,785.00	Each							
Fencing, split rail, 3' high	GI - 10	\$ 2,439.00	LF							
Fill & compact - common barrow	GI - 11	\$ 31.88	CY							
Fill & compact - gravel base	GI - 12	\$ 34.43	CY							
Fill & compact - screened topsoil	GI - 13	\$ 49.75	CY							
Gabion, 12" deep, stone filled mesh	GI - 14	\$ 82.90	SY							
Gabion, 18" deep, stone filled mesh	GI - 15	\$ 114.75	SY							
Gabion, 36" deep, stone filled mesh	GI - 16	\$ 191.25	SY							
Grading, fine, by hand	GI - 17	\$ 3.20	SY							
Grading, fine, with grader	GI - 18	\$ 2.55	SY							
Monuments, 3' long	GI - 19	\$ 318.75	Each							
Sensitive Areas Sign	GI - 20	\$ 10.50	Each							
Sodding, 1" deep, sloped ground	GI - 21	\$ 10.25	SY							
Surveying, line & grade	GI - 22	\$ 1,083.75	Day							
Surveying, lot location/lines	GI - 23	\$ 2,295.00	Acre							
Traffic control crew (2 flaggers)	GI - 24	\$ 153.00	HR							
Trail, 4" chipped wood	GI - 25	\$ 11.00	SY							
Trail, 4" crushed cinder	GI - 26	\$ 12.00	SY							
Trail, 4" top course	GI - 27	\$ 15.50	SY							
Wall, retaining, concrete	GI - 28	\$ 71.00	SF							
Wall, rockery	GI - 29	\$ 26.00	SF							

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ROAD IMPROVEMENT										
	No.									
AC Grinding, 4' wide machine < 1000sy	RI - 1	\$ 38.25	SY							
AC Grinding, 4' wide machine 1000-2000s	RI - 2	\$ 20.50	SY							
AC Grinding, 4' wide machine > 2000sy	RI - 3	\$ 12.75	SY							
AC Removal/Disposal	RI - 4	\$ 45.00	SY							
Barricade, type III (Permanent)	RI - 6	\$ 71.50	LF							
Curb & Gutter, rolled	RI - 7	\$ 22.00	LF							
Curb & Gutter, vertical	RI - 8	\$ 16.00	LF							
Curb and Gutter, demolition and disposal	RI - 9	\$ 23.50	LF							
Curb, extruded asphalt	RI - 10	\$ 7.00	LF							
Curb, extruded concrete	RI - 11	\$ 9.00	LF							
Sawcut, asphalt, 3" depth	RI - 12	\$ 2.50	LF							
Sawcut, concrete, per 1" depth	RI - 13	\$ 4.00	LF							
Sealant, asphalt	RI - 14	\$ 3.00	LF							
Shoulder, AC, (see AC road unit price)	RI - 15	\$ -	SY							
Shoulder, gravel, 4" thick	RI - 16	\$ 20.00	SY							
Sidewalk, 4" thick	RI - 17	\$ 48.50	SY							
Sidewalk, 4" thick, demolition and disposa	RI - 18	\$ 43.00	SY							
Sidewalk, 5" thick	RI - 19	\$ 52.50	SY							
Sidewalk, 5" thick, demolition and disposa	RI - 20	\$ 51.00	SY							
Sign, handicap	RI - 21	\$ 110.00	Each							
Striping, per stall	RI - 22	\$ 9.00	Each							
Striping, thermoplastic, (for crosswalk)	RI - 23	\$ 4.00	SF							
Striping, 4" reflectorized line	RI - 24	\$ 0.70	LF							

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ROAD SURFACING		No.		(4" Rock = 2.5 base & 1.5" top course) 9 1/2" Rock= 8" base & 1.5" top course)						
Additional 2.5" Crushed Surfacing	RS - 1	\$ 4.75	SY							
HMA 1/2" Overlay, 1.5"	RS - 2	\$ 18.00	SY							
HMA 1/2" Overlay 2"	RS - 3	\$ 24.00	SY							
HMA Road, 2", 4" rock, First 2500 SY	RS - 4	\$ 36.00	SY							
HMA Road, 2", 4" rock, Qty. over 2500 SY	RS - 5	\$ 27.00	SY							
HMA Road, 3", 9 1/2" Rock, First 2500 SY	RS - 6	\$ 54.00	SY							
HMA Road, 3", 9 1/2" Rock, Qty Over 2500 SY	RS - 7	\$ 45.00	SY							
Not Used	RS - 8									
Not Used	RS - 9									
HMA Road, 6" Depth, First 2500 SY	RS - 10	\$ 43.00	SY							
HMA Road, 6" Depth, Qty. Over 2500 SY	RS - 11	\$ 38.50	SY							
HMA 3/4" or 1", 4" Depth	RS - 12	\$ 20.00	SY							
Gravel Road, 4" rock, First 2500 SY	RS - 13	\$ 20.00	SY							
Gravel Road, 4" rock, Qty. over 2500 SY	RS - 14	\$ 13.00	SY							
PCC Road (Add Under Write-Ins w/Design)	RS - 15									
Thickened Edge	RS - 17	\$ 11.25	LF							

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DRAINAGE (CPP = Corrugated Plastic Pipe, N12 or Equivalent) For Culvert prices, Average of 4' cover was assumed. Assume perforated PVC is same price as solid pipe.										
Access Road, R/D	D - 1	\$ 27.00	SY							
Bollards - fixed	D - 2	\$ 307.00	Each							
Bollards - removable	D - 3	\$ 577.00	Each							
* (CBs include frame and lid)										
CB Type I	D - 4	\$ 1,915.00	Each							
CB Type II	D - 5	\$ 2,232.00	Each							
CB Type II, 48" diameter	D - 6	\$ 2,950.00	Each							
for additional depth over 4'	D - 7	\$ 615.00	FT							
CB Type II, 54" diameter	D - 8	\$ 3,190.00	Each							
for additional depth over 4'	D - 9	\$ 635.00	FT							
CB Type II, 60" diameter	D - 10	\$ 3,570.00	Each							
for additional depth over 4'	D - 11	\$ 765.00	FT							
CB Type II, 72" diameter	D - 12	\$ 4,600.00	Each							
for additional depth over 4'	D - 13	\$ 1,100.00	FT							
Through-curb Inlet Framework (Add)	D - 14	\$ 525.00	Each							
Cleanout, PVC, 4"	D - 15	\$ 192.00	Each							
Cleanout, PVC, 6"	D - 16	\$ 217.00	Each							
Cleanout, PVC, 8"	D - 17	\$ 255.00	Each							
Culvert, PVC, 4"	D - 18	\$ 12.75	LF							
Culvert, PVC, 6"	D - 19	\$ 16.60	LF							
Culvert, PVC, 8"	D - 20	\$ 19.25	LF							
Culvert, PVC, 12"	D - 21	\$ 29.50	LF							
Culvert, CMP, 8"	D - 22	\$ 24.24	LF							
Culvert, CMP, 12"	D - 23	\$ 37.00	LF							
Culvert, CMP, 15"	D - 24	\$ 45.00	LF							
Culvert, CMP, 18"	D - 25	\$ 52.50	LF							
Culvert, CMP, 24"	D - 26	\$ 71.50	LF							
Culvert, CMP, 30"	D - 27	\$ 99.50	LF							
Culvert, CMP, 36"	D - 28	\$ 166.00	LF							
Culvert, CMP, 48"	D - 29	\$ 242.50	LF							
Culvert, CMP, 60"	D - 30	\$ 344.50	LF							
Culvert, CMP, 72"	D - 31	\$ 446.50	LF							

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DRAINAGE CONTINUED	No.	Unit Price	Unit	Existing Right-of-way		Future Public Right of Way & Drainage Facilities		Private Improvements	
				Quant.	Cost	Quant.	Cost	Quant.	Cost
Culvert, Concrete, 8"	D - 32	\$ 32.00	LF						
Culvert, Concrete, 12"	D - 33	\$ 46.00	LF						
Culvert, Concrete, 15"	D - 34	\$ 54.00	LF						
Culvert, Concrete, 18"	D - 35	\$ 61.50	LF						
Culvert, Concrete, 24"	D - 36	\$ 100.00	LF						
Culvert, Concrete, 30"	D - 37	\$ 160.00	LF						
Culvert, Concrete, 36"	D - 38	\$ 192.00	LF						
Culvert, Concrete, 42"	D - 39	\$ 225.00	LF						
Culvert, Concrete, 48"	D - 40	\$ 262.00	LF						
Culvert, CPP, 6"	D - 41	\$ 18.00	LF						
Culvert, CPP, 8"	D - 42	\$ 20.50	LF						
Culvert, CPP, 12"	D - 43	\$ 30.75	LF						
Culvert, CPP, 15"	D - 44	\$ 44.75	LF						
Culvert, CPP, 18"	D - 45	\$ 52.50	LF						
Culvert, CPP, 24"	D - 46	\$ 71.50	LF						
Culvert, CPP, 30"	D - 47	\$ 99.50	LF						
Culvert, CPP, 36"	D - 48	\$ 165.75	LF						
Ditching	D - 49	\$ 12.25	CY						
Flow Dispersal Trench (1,436 base+)	D - 50	\$ 35.75	LF						
French Drain (3' depth)	D - 51	\$ 33.50	LF						
Geotextile, laid in trench, polypropylene	D - 52	\$ 4.00	SY						
Infiltration Pond Testing	D-53	\$ 96.00	HR						
Mid-tank Access Riser, 48" dia, 6' deep	D - 54	\$ 2,550.00	Each						
Pond Overflow Spillway	D - 55	\$ 21.00	SY						
Restrictor/Oil Separator, 12"	D - 56	\$ 1,475.00	Each						
Restrictor/Oil Separator, 15"	D - 57	\$ 1,725.00	Each						
Restrictor/Oil Separator, 18"	D - 58	\$ 2,175.00	Each						
Riprap, placed	D - 59	\$ 54.00	CY						
Tank End Reducer (36" diameter)	D - 60	\$ 1,530.00	Each						
Trash Rack, 12"	D - 61	\$ 450.00	Each						
Trash Rack, 15"	D - 62	\$ 525.00	Each						
Trash Rack, 18"	D - 63	\$ 625.00	Each						
Trash Rack, 21"	D - 64	\$ 715.00	Each						

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	Unit Price	Unit	Quant.	Price	Quant.	Cost	Quant.	Cost	
<u>PARKING LOT SURFACING</u> Not To Be Used For Roads Or Shoulders									
	No.								
2" AC, 2" top course rock & 4" borrow	PL - 1	\$ 27.00	SY	NA		NA			
2" AC, 1.5" top course & 2.5" base cours	PL - 2	\$ 35.75	SY	NA		NA			
4" select borrow	PL - 3	\$ 6.50	SY	NA		NA			
1.5" top course rock & 2.5" base course	PL - 4	\$ 18.00	SY	NA		NA			
<u>UTILITY POLES & STREET LIGHTING</u> Utility pole relocation costs must be accompanied by Franchise Utility's Cost Estimate									
Utility Pole(s) Relocation	UP-1	Lump Sum							
Street Light Poles w/Luminaires	UP-2	\$ 9,575.00	Each						
<u>WRITE-IN-ITEMS</u> Stormwater Vault, Pond Liners, and Proprietary items must be accompanied by Cost Estimate, including all materials to install.									
(Such as detention/water quality vaults.)	No.								
Stormwater Vault	WI - 1	\$ 485,000.00	Each						
Block Wall	WI - 2	\$ 21.00	SY						
Yard Drain	WI - 3	\$ 290.00	CY						
	WI - 4		LF						
	WI - 5		FT						
	WI - 6								
	WI - 7								
	WI - 8								
	WI - 9								
	WI - 10								

SUBTOTAL			
SUBTOTAL (SUM ALL PAGES):			
30% CONTINGENCY & MOBILIZATION:			
GRANDTOTAL:			
COLUMN:	B	C	D