

The City of Des Moines, Washington  
2017 Bond Quantity Worksheet (Effective April 2017) Update is based on BCI rates

Project \_\_\_\_\_ Date \_\_\_\_\_  
 Site address \_\_\_\_\_ Building permit no. \_\_\_\_\_  
 Plat name \_\_\_\_\_ ROW permit no. \_\_\_\_\_  
 Land Use Action (LUA) File Number. \_\_\_\_\_

Use the costs shown to fill in the items for the project. Use a blank space to add items that are not listed in this worksheet. This form must be submitted with the plans for approval by the City. Compute the quantities and subtotals for each section and the total cost at the end of the worksheet. Sign and date the completed worksheet on the last page.

	Cost	Unit	Adjacent and off-site work		New ROW and on-site work	
			Quantity	Total	Quantity	Total
<b><u>ROAD AND DRAINAGE</u></b>						
Excavation & embankment (roadway only)	\$33.81	CY	_____	_____	_____	_____
Crushed rock base	\$31.90	CY	_____	_____	_____	_____
A.C. pavement	\$3.33	SF	_____	_____	_____	_____
Cement concrete curb/gutter	\$17.86	LF	_____	_____	_____	_____
Cement concrete sidewalk	\$22.97	LF	_____	_____	_____	_____
6" pipe	\$19.14	LF	_____	_____	_____	_____
12" pipe	\$27.43	LF	_____	_____	_____	_____
18" pipe	\$35.73	LF	_____	_____	_____	_____
24" pipe	\$46.57	LF	_____	_____	_____	_____
36" pipe	\$67.63	LF	_____	_____	_____	_____
CB Type I-L grates	\$1,786.33	EA	_____	_____	_____	_____
CB Type I grates	\$1,403.55	EA	_____	_____	_____	_____
CB Type II grates (48")	\$2,360.51	EA	_____	_____	_____	_____
CB Type II grates (54")	\$2,679.50	EA	_____	_____	_____	_____
Quarry spalls	\$25.52	CY	_____	_____	_____	_____
Rockery	\$33.81	SF	_____	_____	_____	_____
Retaining wall	\$ _____	SF	_____	_____	_____	_____
_____	\$ _____	_____	_____	_____	_____	_____
_____	\$ _____	_____	_____	_____	_____	_____
	<b>Subtotal</b>					
<b><u>UTILITIES</u></b>						
Street lights	\$1,403.55	EA	_____	_____	_____	_____
Trenching	\$16.59	LF	_____	_____	_____	_____
U.G. power conversion*	\$ _____	LS	_____	_____	_____	_____
U.G. phone conversion*	\$ _____	LS	_____	_____	_____	_____
U.G. cable TV conversion*	\$ _____	LS	_____	_____	_____	_____
_____	\$ _____	_____	_____	_____	_____	_____
	<b>Subtotal</b>					

\* Estimate by the utility company (PSE, Qwest or Comcast) is required and is the applicant's responsibility to obtain.

	Cost	Unit	Quantity	Total	Quantity	Total
<b><u>TRAFFIC</u></b>						
Permanent signing	\$127.60	EA				
Channelization	\$ _____	LS				
Signalization	\$ _____	LS				
Traffic Control	\$1,339.75	DAY				
	\$ _____					
	<b>Subtotal</b>					

<b><u>TRAFFIC SIGNAL SYSTEM</u></b>						
Concrete Junction Box, Type 1	\$318.99	EA				
Concrete Junction Box, Type 2	\$446.58	EA				
Concrete Junction Box, Type 3	\$637.98	EA				
Conduit, 2" PVC Sch 80	\$25.52	LF				
Conduit, 3" PVC Sch 80	\$30.62	LF				
Conduit, 2" RMC	\$31.90	LF				
Conduit, 3" RMC	\$38.28	LF				
Loop Detector, Type 1	\$2,041.52	EA				
Loop Detector, Type 2	\$1,020.76	EA				
Service Panel	\$3,189.88	EA				
Luminaire Mast Arm	\$510.38	EA				
Luminaires	\$829.37	EA				
Signal Pole - Mast Arm	\$5,103.80	EA				
Signal Strain Pole	\$4,465.83	EA				
Signal Pole Installation	\$2,551.90	EA				
Signal Pole Foundation	\$3,827.85	EA				
PPB Post	\$510.38	EA				
PPB Post Installation	\$382.79	EA				
PPB Post Foundation	\$956.96	EA				
Controller Cabinet Complete	\$25,519.01	EA				
Controller Cabinet Installation	\$1,913.93	EA				
New Controller Foundation	\$3,189.88	EA				
Pole Mount Terminal Cabinet	\$765.57	EA				
Signal Heads (3-Sect, 8"12")	\$637.98	EA				
Pedestrian Head	\$1,020.76	EA				
Pedestrian Push Button	\$510.38	EA				
New Wiring (Including Labor)	\$12,759.51	LS				
Removal of Existing Equipment	\$2,551.90	LS				
	\$ _____					
	<b>Subtotal</b>					

	Cost	Unit	Quantity	Total	Quantity	Total
<b><u>DEVELOPMENT SERVICES</u></b>						
Ground cover	\$8.93	SF				
Trees	\$248.81	EA				
Shrubs	\$63.80	EA				
Screening/buffer	\$318.99	LF				
Fencing	\$17.86	LF				
Pedestrian pathway	\$ _____	LF				
SEPA conditions	\$ _____	LS				
Resolution conditions	\$ _____	LS				
	\$ _____					
		<b>Subtotal</b>				

<b><u>ENVIRONMENTALLY CRITICAL AREA MITIGATION</u></b>						
Trees	\$25.52	EA				
Shrubs	\$19.14	EA				
Decompacting till/hardpan (6")	\$2.30	CY				
Decompacting till/hardpan (12")	\$2.30	CY				
Fertilize slow rel tabs 30gm/tree	\$4.70	EA				
Hydroseeding	\$0.75	SY				
Vegetable compost del/spread	\$55.47	CY				
Topsoil, del/spread	\$52.31	CY				
Mulch	\$55.47	CY				
Wetland seed mix 3lb/1000 sq ft	\$111.20	LB				
Buffer seed mix 3lb/1000 sq ft	\$74.21	LB				
Emergent plugs	\$1.40	EA				
Emergent containers	\$1.93	EA				
	\$ _____					
	\$ _____					
		<b>Subtotal</b>				

<b><u>LAND CLEARING &amp; EROSION CONTROL</u></b>						
Rock construction pad	\$2,296.71	LS				
Seeding	\$0.64	SY				
Silt fence	\$7.66	LF				
Jute mesh	\$8.93	SY				
Temporary sediment pond	\$ _____	EA				
Temporary pipe	\$ _____	LS				
	\$ _____					
	\$ _____					
		<b>Subtotal</b>				

	Cost	Unit	Quantity	Total	Quantity	Total
<b><u>DETENSION &amp; CONVEYANCE</u></b>						
Pond excavation and spillway	\$8.93	CY				
Access road	\$3.19	SF				
Tank (48")	\$84.21	LF				
Tank (60")	\$108.46	LF				
Control structure (54")	\$3,197.02	EA				
Oil/Water separator	\$4,976.21	EA				
CB Type I & Grate	\$1,403.55	EA				
CB Type I-L & Grate	\$1,275.95	EA				
CB Type II & Grate (48")	\$2,296.71	EA				
CB Type II & Grate (54")	\$2,679.50	EA				
12" Outfall	\$34.45	LF				
18" Outfall	\$42.11	LF				
Quarry spalls	\$26.79	CY				
Energy dissipater	\$ _____	LS				
Infiltration trench	\$26.79	LF				
Flow spreader	\$26.79	LF				
Trash racks	\$382.79	EA				
_____	\$ _____	_____				
_____	\$ _____	_____				
	<b>Subtotal</b>					
	<b>Total Cost</b>					
Clearing & Grubbing (1% of Total Cost)						
Mobilization (10% of Total Cost)						
	<b>Total Cost</b>					
Contingency (25% of Total Cost)						
	<b>Grand Total</b>					

Upon completion and acceptance of the bonded item, ninety percent (90%) of the bond will be released to the owner. The remaining ten percent (10%) will be held for a period of one year for maintenance purposes.

\_\_\_\_\_  
Signature of Owner/Agent

\_\_\_\_\_  
Company Name

\_\_\_\_\_  
Phone Number

\_\_\_\_\_  
Transportation and Engineering Approval

\_\_\_\_\_  
Surface Water Management Approval

\_\_\_\_\_  
Development Services Approval