PERFORMANCE SECURITY VALUE WORKSHEET

Required for sub-surface TYPE C PERMITS only.

Applicant: _____ Site Address: _____

A.	*Private On-site Work*	Value
1.	Public Improvements & Drainage Facility (proposed public facility & road)	$ _____
2.	Stabilization/ Erosion Sediment Control (Site Restoration)	$ _____
3.	Private Improvements and other	$ _____
4.	Total Private On-Site Work (lines 1+2+3)	$ _____

B.	*Public Improvements*	Value
5.	Existing Right-of-Way Improvements	$ _____
6.	Other: _____	$ _____
7.	Total Public Improvements (lines 5 + 6)	$ _____

C.	*Total Value*	
8.	Total Performance Value (lines 4 + 7)	$ _____
9.	Contingency Factor	X 1.3
10.	Total Security Value (line 8 x line 9)	$ _____

Attach a detailed written cost estimate from a qualified party.

For City Use Only

Approved by_____ Date: _____

Site Improvement Bond Quantity Worksheet

City Of Burien
Department of Public Works
400 SW 152nd St. Suite 300
Burien, WA 98166
206-439-3154

This only applies to Type C permits that will be disturbing the public right of way.

Project Name: _____ **Date:** _____

Location: _____ **Project No.:** _____

Clearing greater than or equal to 5,000 board feet of timber?

yes _____ no

If yes,

Forest Practice Permit Number: _____

(RCW 76.09)

Note: All prices include labor, equipment, materials, overhead and profit. Prices are from RS Means data adjusted for the Seattle area or from local sources if not included in the RS Means database.

Site Improvement Bond Quantity Worksheet

		Reference #	Unit Price	Unit	Quantity	# of Applications	Cost
EROSION/SEDIMENT CONTROL	**Number**						
Backfill & compaction-embankment	**ESC-1**		$ 6.00	CY			
Check dams, 4" minus rock	**ESC-2**	SWDM 5.4.6.3	$ 80.00	Each			
Crushed surfacing 1 1/4" minus	**ESC-3**	WSDOT 9-03.9(3)	$ 95.00	CY			
Ditching	**ESC-4**		$ 9.00	CY			
Excavation-bulk	**ESC-5**		$ 2.00	CY			
Fence, silt	**ESC-6**	SWDM 5.4.3.1	$ 1.50	LF			
Fence, Temporary (NGPE)	**ESC-7**		$ 1.50	LF			
Hydroseeding	**ESC-8**	SWDM 5.4.2.4	$ 0.80	SY			
Jute Mesh	**ESC-9**	SWDM 5.4.2.2	$ 3.50	SY			
Mulch, by hand, straw, 3" deep	**ESC-10**	SWDM 5.4.2.1	$ 2.50	SY			
Mulch, by machine, straw, 2" deep	**ESC-11**	SWDM 5.4.2.1	$ 2.00	SY			
Piping, temporary, CPP, 6"	**ESC-12**		$ 12.00	LF			
Piping, temporary, CPP, 8"	**ESC-13**		$ 14.00	LF			
Piping, temporary, CPP, 12"	**ESC-14**		$ 18.00	LF			
Plastic covering, 6mm thick, sandbagged	**ESC-15**	SWDM 5.4.2.3	$ 4.00	SY			
Rip Rap, machine placed; slopes	**ESC-16**	WSDOT 9-13.1(2)	$ 45.00	CY			
Rock Construction Entrance, 50'x15'x1'	**ESC-17**	SWDM 5.4.4.1	$ 1,800.00	Each			
Rock Construction Entrance, 100'x15'x1'	**ESC-18**	SWDM 5.4.4.1	$ 3,200.00	Each			
Sediment pond riser assembly	**ESC-19**	SWDM 5.4.5.2	$ 2,200.00	Each			
Sediment trap, 5' high berm	**ESC-20**	SWDM 5.4.5.1	$ 19.00	LF			
Sed. trap, 5' high, riprapped spillway berm section	**ESC-21**	SWDM 5.4.5.1	$ 70.00	LF			
Seeding, by hand	**ESC-22**	SWDM 5.4.2.4	$ 1.00	SY			
Sodding, 1" deep, level ground	**ESC-23**	SWDM 5.4.2.5	$ 8.00	SY			
Sodding, 1" deep, sloped ground	**ESC-24**	SWDM 5.4.2.5	$ 10.00	SY			
TESC Supervisor	**ESC-25**		$ 110.00	HR			
Water truck, dust control	**ESC-26**	SWDM 5.4.7	$ 140.00	HR			
WRITE-IN-ITEMS ** (see page 9)**							
				Each			

ESC SUBTOTAL:	$ -
30% CONTINGENCY & MOBILIZATION:	$ -
ESC TOTAL:	$ -
COLUMN:	**A**

Site Improvement Bond Quantity Worksheet

Site Improvement Bond Quantity Worksheet

				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	$ 6.00	CY							
Backfill & Compaction- trench	GI - 2	$ 9.00	CY							
Clear/Remove Brush, by hand	GI - 3	$ 1.00	SY							
Clearing/Grubbing/Tree Removal	GI - 4	#########	Acre							
Excavation - bulk	GI - 5	$ 2.00	CY							
Excavation - Trench	GI - 6	$ 5.00	CY							
Fencing, cedar, 6' high	GI - 7	$ 20.00	LF							
Fencing, chain link, vinyl coated, 6' high	GI - 8	$ 20.00	LF							
Fencing, chain link, gate, vinyl coated, 2(	GI - 9	$ 1,400.00	Each							
Fencing, split rail, 3' high	GI - 10	$ 15.00	LF							
Fill & compact - common barrow	GI - 11	$ 25.00	CY							
Fill & compact - gravel base	GI - 12	$ 27.00	CY							
Fill & compact - screened topsoil	GI - 13	$ 39.00	CY							
Gabion, 12" deep, stone filled mesh	GI - 14	$ 65.00	SY							
Gabion, 18" deep, stone filled mesh	GI - 15	$ 90.00	SY							
Gabion, 36" deep, stone filled mesh	GI - 16	$ 150.00	SY							
Grading, fine, by hand	GI - 17	$ 2.50	SY							
Grading, fine, with grader	GI - 18	$ 2.00	SY							
Monuments, 3' long	GI - 19	$ 250.00	Each							
Sensitive Areas Sign	GI - 20	$ 7.00	Each							
Sodding, 1" deep, sloped ground	GI - 21	$ 8.00	SY							
Surveying, line & grade	GI - 22	$ 850.00	Day							
Surveying, lot location/lines	GI - 23	$ 1,800.00	Acre							
Traffic control crew (2 flaggers)	GI - 24	$ 120.00	HR							
Trail, 4" chipped wood	GI - 25	$ 8.00	SY							
Trail, 4" crushed cinder	GI - 26	$ 9.00	SY							
Trail, 4" top course	GI - 27	$ 12.00	SY							
Wall, retaining, concrete	GI - 28	$ 55.00	SF							
Wall, rockery	GI - 29	$ 15.00	SF							

SUBTOTAL

Site Improvement Bond Quantity Worksheet

				Existing Right-of-way		Future Public Right of Way & Drainage Facilities		Private Improvements		
		Unit Price	Unit	Quant.	Cost	Quant.	Cost	Quant.	Cost	
ROAD IMPROVEMENT	**No.**									
AC Grinding, 4' wide machine < 1000sy	RI - 1	$ 30.00	SY							
AC Grinding, 4' wide machine 1000-2000	RI - 2	$ 16.00	SY							
AC Grinding, 4' wide machine > 2000sy	RI - 3	$ 10.00	SY							
AC Removal/Disposal	RI - 4	$ 35.00	SY							
Barricade, type III (Permanent)	RI - 6	$ 56.00	LF							
Curb & Gutter, rolled	RI - 7	$ 17.00	LF							
Curb & Gutter, vertical	RI - 8	$ 12.50	LF							
Curb and Gutter, demolition and disposa	RI - 9	$ 18.00	LF							
Curb, extruded asphalt	RI - 10	$ 5.50	LF							
Curb, extruded concrete	RI - 11	$ 7.00	LF							
Sawcut, asphalt, 3" depth	RI - 12	$ 1.85	LF							
Sawcut, concrete, per 1" depth	RI - 13	$ 3.00	LF							
Sealant, asphalt	RI - 14	$ 2.00	LF							
Shoulder, AC, (see AC road unit price)	RI - 15	$ -	SY							
Shoulder, gravel, 4" thick	RI - 16	$ 15.00	SY							
Sidewalk, 4" thick	RI - 17	$ 38.00	SY							
Sidewalk, 4" thick, demolition and dispos	RI - 18	$ 32.00	SY							
Sidewalk, 5" thick	RI - 19	$ 41.00	SY							
Sidewalk, 5" thick, demolition and dispos	RI - 20	$ 40.00	SY							
Sign, handicap	RI - 21	$ 85.00	Each							
Striping, per stall	RI - 22	$ 7.00	Each							
Striping, thermoplastic, (for crosswalk)	RI - 23	$ 3.00	SF							
Striping, 4" reflectorized line	RI - 24	$ 0.50	LF							
			SUBTOTAL							

Site Improvement Bond Quantity Worksheet

				Existing Right-of-way		Future Public Right of Way & Drainage Facilities		Private Improvements		
		Unit Price	Unit	Quant.	Cost	Quant.	Cost	Quant.	Cost	
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	$ 3.60	SY							
HMA 1/2" Overlay, 1.5"	RS - 2	$ 14.00	SY							
HMA 1/2" Overlay 2"	RS - 3	$ 18.00	SY							
HMA Road, 2", 4" rock, First 2500 SY	RS - 4	$ 28.00	SY							
HMA Road, 2", 4" rock, Qty. over 2500 SY	RS - 5	$ 21.00	SY							
HMA Road, 3", 9 1/2" Rock, First 2500 SY	RS - 6	$ 42.00	SY							
HMA Road, 3", 9 1/2" Rock, Qty Over 250	RS - 7	$ 35.00	SY							
Not Used	RS - 8									
Not Used	RS - 9									
HMA Road, 6" Depth, First 2500 SY	RS - 10	$ 33.10	SY							
HMA Road, 6" Depth, Qty. Over 2500 SY	RS - 11	$ 30.00	SY							
HMA 3/4" or 1", 4" Depth	RS - 12	$ 20.00	SY							
Gravel Road, 4" rock, First 2500 SY	RS - 13	$ 15.00	SY							
Gravel Road, 4" rock, Qty. over 2500 SY	RS - 14	$ 10.00	SY							
PCC Road (Add Under Write-Ins w/Desig	RS - 15									
Thickened Edge	RS - 17	$ 8.60	LF							

SUBTOTAL

Site Improvement Bond Quantity Worksheet

				Existing Right-of-way		Future Public Right of Way & Drainage Facilities		Private Improvements		
		Unit Price	Unit	Quant.	Cost	Quant.	Cost	Quant.	Cost	
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	$ 21.00	SY							
Bollards - fixed	D - 2	$ 240.74	Each							
Bollards - removable	D - 3	$ 452.34	Each							
* (CBs include frame and lid)										
CB Type I	D - 4	$ 1,500.00	Each							
CB Type IL	D - 5	$ 1,750.00	Each							
CB Type II, 48" diameter	D - 6	$ 2,300.00	Each							
for additional depth over 4'	D - 7	$ 480.00	FT							
CB Type II, 54" diameter	D - 8	$ 2,500.00	Each							
for additional depth over 4'	D - 9	$ 495.00	FT							
CB Type II, 60" diameter	D - 10	$ 2,800.00	Each							
for additional depth over 4'	D - 11	$ 600.00	FT							
CB Type II, 72" diameter	D - 12	$ 3,600.00	Each							
for additional depth over 4'	D - 13	$ 850.00	FT							
Through-curb Inlet Framework (Add)	D - 14	$ 400.00	Each							
Cleanout, PVC, 4"	D - 15	$ 150.00	Each							
Cleanout, PVC, 6"	D - 16	$ 170.00	Each							
Cleanout, PVC, 8"	D - 17	$ 200.00	Each							
Culvert, PVC, 4"	D - 18	$ 10.00	LF							
Culvert, PVC, 6"	D - 19	$ 13.00	LF							
Culvert, PVC, 8"	D - 20	$ 15.00	LF							
Culvert, PVC, 12"	D - 21	$ 23.00	LF							
Culvert, CMP, 8"	D - 22	$ 19.00	LF							
Culvert, CMP, 12"	D - 23	$ 29.00	LF							
Culvert, CMP, 15"	D - 24	$ 35.00	LF							
Culvert, CMP, 18"	D - 25	$ 41.00	LF							
Culvert, CMP, 24"	D - 26	$ 56.00	LF							
Culvert, CMP, 30"	D - 27	$ 78.00	LF							
Culvert, CMP, 36"	D - 28	$ 130.00	LF							
Culvert, CMP, 48"	D - 29	$ 190.00	LF							
Culvert, CMP, 60"	D - 30	$ 270.00	LF							
Culvert, CMP, 72"	D - 31	$ 350.00	LF							

SUBTOTAL

Site Improvement Bond Quantity Worksheet

DRAINAGE CONTINUED				Existing Right-of-way		Future Public Right of Way & Drainage Facilities		Private Improvements		
	No.	Unit Price	Unit	Quant.	Cost	Quant.	Cost	Quant.	Cost	
Culvert, Concrete, 8"	D - 32	$ 25.00	LF							
Culvert, Concrete, 12"	D - 33	$ 36.00	LF							
Culvert, Concrete, 15"	D - 34	$ 42.00	LF							
Culvert, Concrete, 18"	D - 35	$ 48.00	LF							
Culvert, Concrete, 24"	D - 36	$ 78.00	LF							
Culvert, Concrete, 30"	D - 37	$ 125.00	LF							
Culvert, Concrete, 36"	D - 38	$ 150.00	LF							
Culvert, Concrete, 42"	D - 39	$ 175.00	LF							
Culvert, Concrete, 48"	D - 40	$ 205.00	LF							
Culvert, CPP, 6"	D - 41	$ 14.00	LF							
Culvert, CPP, 8"	D - 42	$ 16.00	LF							
Culvert, CPP, 12"	D - 43	$ 24.00	LF							
Culvert, CPP, 15"	D - 44	$ 35.00	LF							
Culvert, CPP, 18"	D - 45	$ 41.00	LF							
Culvert, CPP, 24"	D - 46	$ 56.00	LF							
Culvert, CPP, 30"	D - 47	$ 78.00	LF							
Culvert, CPP, 36"	D - 48	$ 130.00	LF							
Ditching	D - 49	$ 9.50	CY							
Flow Dispersal Trench (1,436 base+)	D - 50	$ 28.00	LF							
French Drain (3' depth)	D - 51	$ 26.00	LF							
Geotextile, laid in trench, polypropylene	D - 52	$ 3.00	SY							
Mid-tank Access Riser, 48" dia, 6' deep	D - 54	$ 2,000.00	Each							
Pond Overflow Spillway	D - 55	$ 16.00	SY							
Restrictor/Oil Separator, 12"	D - 56	$ 1,150.00	Each							
Restrictor/Oil Separator, 15"	D - 57	$ 1,350.00	Each							
Restrictor/Oil Separator, 18"	D - 58	$ 1,700.00	Each							
Riprap, placed	D - 59	$ 42.00	CY							
Tank End Reducer (36" diameter)	D - 60	$ 1,200.00	Each							
Trash Rack, 12"	D - 61	$ 350.00	Each							
Trash Rack, 15"	D - 62	$ 410.00	Each							
Trash Rack, 18"	D - 63	$ 480.00	Each							
Trash Rack, 21"	D - 64	$ 550.00	Each							

SUBTOTAL _____ _____ _____

Site Improvement Bond Quantity Worksheet

				Existing Right-of-way		Future Public Right of Way & Drainage Facilities		Private Improvements		
		Unit Price	Unit	Quant.	Price	Quant.	Cost	Quant.	Cost	
PARKING LOT SURFACING							Not To Be Used For Roads Or Shoulders			
	No.									
2" AC, 2" top course rock & 4" borrow	PL - 1	$ 21.00	SY	NA		NA				
2" AC, 1.5" top course & 2.5" base cour	PL - 2	$ 28.00	SY	NA		NA				
4" select borrow	PL - 3	$ 5.00	SY	NA		NA				
1.5" top course rock & 2.5" base course	PL - 4	$ 14.00	SY	NA		NA				
UTILITY POLES & STREET LIGHTING					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	$ 7,500.00	Each							
WRITE-IN-ITEMS										
(Such as detention/water quality vaults.)	No.									
Stormwater Vault	WI - 1	#########	Each							
Block Wall	WI - 2	$ 16.00	SY							
Yard Drain	WI - 3	$ 225.00	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**

Site Improvement Bond Quantity Worksheet

Original bond computations prepared by:

Name: _____ **Date:** _____

PE Registration Number: _____ **Tel. #:** _____

Firm Name: _____

Address: _____ **Project No:** _____

		FINANCIAL GUARANTEE REQUIREMENTS		
		PERFORMANCE BOND* AMOUNT	MINIMUM BOND* AMOUNT REQUIRED FOR RECORDING OR TEMPORARY OCCUPANCY AT SUBSTANTIAL COMPLETION ***	PUBLIC ROAD & DRAINAGE MAINTENANCE/DEFECT BOND*
Stabilization/Erosion Sediment Control (ESC)	(A)	$ -		
Existing Right-of-Way Improvements	(B)	$ -		
Future Public Right of Way & Drainage Facilities	(C)	$ -		
Private Improvements	(D)	$ -		
Calculated Quantity Completed				
Total Right-of Way and/or Site Restoration Bond*/**	(A+B)	$ -		
Performance Bond* Amount (A+B+C+D) = TOTAL	(T)	$ - Minimum is $2000.	T x 0.30 $ - Minimum is $2000.	
Maintenance/Defect Bond* Total				(B+C) x 0.25 = $ - Minimum is $2000.

NAME OF PERSON PREPARING BOND* REDUCTION: _____ Date: _____

*** NOTE:** The word "bond" as used in this document means a financial guarantee acceptable to the City of Burien.

REQUIRED BOND* AMOUNTS ARE SUBJECT TO REVIEW AND MODIFICATION BY CITY OF BURIEN