

Department of Permitting & Environmental Review

35030 SE Douglas Street, Suite 210 Snoqualmie, Washington 98065-9266 **206-296-6600** TTY Relay 711

For alternate formats, call 206-296-6600.

Project Name:	Date:
Location:	Project No.:
	Activity No.:
Clearing greater than or equal to 5,000 board feet of timber? yes no	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.
If yes,	
Forest Practice Permit Number:	
(RCW 76.09)	

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Unit prices updated: 3/2/2015

S15 Web date: 04/03/2015

Version: 3/2/2015 Report Date: 9/4/2019

		D. (Unit	11.2	0	# of	01
EDOCION/CEDIMENT CONTROL	I	Reference #		Price	Unit	Quantity	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			
			<u> </u>					

ESC SUBTOTAL: 30% CONTINGENCY & MOBILIZATION: ESC TOTAL:

COLUMN:

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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.									
	GI - 1	Ф 600	CV					1 1		1
Backfill & Compaction- embankment		\$ 6.00	CY							
Backfill & Compaction- trench	GI - 2	\$ 9.00 \$ 1.00	CY SY							
Clear/Remove Brush, by hand		*								
Clearing/Grubbing/Tree Removal	GI - 4	\$10,000.00	Acre							
Excavation - bulk	GI - 5	\$ 2.00	CY	1				+ +		
Excavation - Trench	GI - 6 GI - 7	\$ 5.00	CY LF	1				+ +		
Fencing, cedar, 6' high		\$ 20.00	LF LF							
Fencing, chain link, vinyl coated, 6' high	GI - 8	\$ 20.00	Each	1				+ +		
Fencing, chain link, gate, vinyl coated, 20										
Fencing, split rail, 3' high	GI - 10		LF							
Fill & compact - common barrow	GI - 11	+	CY							
Fill & compact - gravel base	GI - 12		CY							
Fill & compact - screened topsoil	_		CY							
Gabion, 12" deep, stone filled mesh			SY							
Gabion, 18" deep, stone filled mesh	GI - 15	\$ 90.00	SY							
Gabion, 36" deep, stone filled mesh			SY							
Grading, fine, by hand	GI - 17		SY							
Grading, fine, with grader	GI - 18		SY							
Monuments, 3' long	GI - 19		Each							
Sensitive Areas Sign	GI - 20		Each							
Sodding, 1" deep, sloped ground	GI - 21		SY					1		
Surveying, line & grade			Day							
Surveying, lot location/lines			Acre					1		
Traffic control crew (2 flaggers)	GI - 24	\$ 120.00	HR							
Trail, 4" chipped wood	GI - 25		SY							
Trail, 4" crushed cinder	GI - 26		SY							
Trail, 4" top course			SY							
Wall, retaining, concrete			SF							
Wall, rockery	GI - 29	\$ 15.00	SF							

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					Existing Right-of-way			Future Public Right of Way & Drainage Facilities		Private Improvements	
		Unit I	Price	Unit	Quant.	Cost	Quant.	Cost	Quant.	Cost	
DOAD IMPROVEMENT											
ROAD IMPROVEMENT	<u>No.</u>				•	T		T		T	
AC Grinding, 4' wide machine < 1000sy		\$	30.00	SY							
AC Grinding, 4' wide machine 1000-2000s			16.00	SY							
AC Grinding, 4' wide machine > 2000sy		\$	10.00	SY							
AC Removal/Disposal	RI - 4	\$	35.00	SY							
Barricade, type III (Permanent)	RI - 6	\$	56.00	LF							1
Curb & Gutter, rolled	RI - 7	\$	17.00	LF							
Curb & Gutter, vertical	RI - 8	\$	35.00	LF							
Curb and Gutter, demolition and disposal	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	\$	5.00	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 disposa	RI - 18	\$	32.00	SY							
Sidewalk, 5" thick	RI - 19		70.00	SY							
Sidewalk, 5" thick, demolition and disposa	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							
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				Existing		-	Future Public		Private	
			Right-of-wa		ay	1	Right of Way		Improvements	
					_	i	Orainage Facilities	_		
		Unit Price	Unit	Quant.	Cost	Quant.	Cost	Quant.	Cost	
ROAD SURFACING	<u>No.</u>			(4" Roo	k = 2.5 base & 1.5" to	p course)	9 1/2" Rock= 8" bas	se & 1.5" t	op course)	
Additional 2.5" Crushed Surfacing	RS - 1	\$ 15.00	SY							
HMA 1/2" Overlay, 1.5"	RS - 2	\$ 14.00	SY							
HMA 1/2" Overlay 2"	RS - 3	\$ 23.00	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/Design	RS - 15									
Thickened Edge	RS - 17	\$ 8.60	LF							

				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 Plas	T .		,	For Cul	ert prices, Average	of 4' cover	was assumed. Assu	me perfora	ted PVC is same price	as solid pipe.
Access Road, R/D		\$ 21.00	SY							
Bollards - fixed	D - 2		Each							
Bollards - removable	D - 3	\$ 452.34	Each							
* (CBs include frame and lid)							1			
CB Type I		\$ 1,500.00	Each							
CB Type IL	_	\$ 1,750.00	Each							
CB Type II, 48" diameter		\$ 2,300.00	Each							
for additional depth over 4'	_	\$ 480.00	FT							
CB Type II, 54" diameter		\$ 2,500.00	Each							
for additional depth over 4'		\$ 495.00	FT							
CB Type II, 60" diameter		\$ 2,800.00	Each							
for additional depth over 4'		\$ 600.00	FT							
CB Type II, 72" diameter		\$ 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		LF							
Culvert, CMP, 72"	D - 31	\$ 350.00	LF							

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DRAINAGE CONTINUED				Existing Right-of-way			Future Public Right of Way Drainage Facilities		Private Improvements	
DIVANTAGE GOTTINGED	No.	Unit Price	Unit	Quant.	Cost	Quant.	Cost	Quant.	Cost	
Culvert, Concrete, 8"	D - 32		LF							
Culvert, Concrete, 12"	D - 33		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"		\$ 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		Each							
Trash Rack, 21"	D - 64	\$ 550.00	Each							

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					Existing Right-of-way		Future Public Right of Way Orainage Facilities		Private Improvements		
		Unit Price	Unit	Quant.	Price	Quant.	Cost	Quant.	Cost		
DARKING LOT CUREACTE											
PARKING LOT SURFACING		ı				Not To Be Used For Roads Or Shoulders					
	<u>No.</u>		_	1	1	ı		ı			
2" AC, 2" top course rock & 4" borrow	PL - 1		SY	NA		NA					
2" AC, 1.5" top course & 2.5" base cours			SY	NA		NA					
4" select borrow	PL - 3		SY	NA NA		NA NA					
1.5" top course rock & 2.5" base course	PL - 4	\$ 14.00	SY	NA		NA					
UTILITY POLES & STREET LIGH	ITING			Litility no	le relocation costs mus	et ha acco	magnied by Eranchic	o I Itility's	Cost Estimato		
OTILITI FOLLS & STREET LIGI	HING			Othlity po	ie relocation costs mus	st be acco	impanied by Franchis	e Offility S	COSt Estimate		
Utility Pole(s) Relocation	UP-1	Lump	Sum		I						
Street Light Poles w/Luminaires		\$ 7,500.00	Each								
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WRITE-IN-ITEMS											
(Such as detention/water quality vaults.)	No.										
Stormwater Vault	WI - 1	\$ 3,000.00	Each								
Block Wall	WI - 2		SY								
Yard Drain	WI - 3	\$ 225.00	CY								
Traffic Control	WI - 4	\$ 8,588.00	LS								
landscaping	WI - 5	\$ 500.00	LS								
	WI - 6										
	WI - 7										
	WI - 8										
	WI - 9										
	WI - 10										
			-								
s	UBTOT	AL (SUM ALL	PAGES):			-					
30% CON	NTINGE	NCY & MOBIL	IZATION:			-		<u>-</u>			
			IDTOTAL:			-		<u>-</u>			
			COLUMN:		В		С		D		

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Original bond computations prepared by:												
Name:					Date):						
PE Registration Number:					Tel. #	:						
Firm Name:					<u> </u>							
Address:	Project No:											
	FINANCIAL GUARANTEE REQUIREMENTS											
	ı		PERFORMANCE BOND* AMOUNT	REG	MINIMUM BOND* AMOUNT QUIRED FOR RECORDING OR EMPORARY OCCUPANCY AT	_	LIC ROAD & DRAINAGE ENANCE/DEFECT BOND*					
Stabilization/Erosion Sediment Control (ESC)	(A)	\$	-		BSTANTIAL COMPLETION ***	•						
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*/** (First \$7,500 of bond* shall be cash.)	(A+B)	\$		-								
Performance Bond* Amount (A+B+C+D) = TOTAL	(T)	\$ Minim	- num is \$2000.	T x 0.3	0 \$ - Minimum is \$2000.							
Maintenance/Defect Bond* Total						(B+C) x 0.25 =	\$ -					
	•			•		-	Minimum is \$2000.					
NAME OF PERSON PREPARING BOND* REDUCTION:					Date) :						

The restoration requirement shall include the total cost for all TESC as a minimum, not a maximum. In addition, corrective work, both on- and off-site needs to be included. Quantities shall reflect worse case scenarios not just minimum requirements. For example, if a salmonid stream may be damaged, some estimated costs for restoration needs to be reflected in this amount. The 30% contingency and mobilization costs are computed in this quantity.

REQUIRED BOND* AMOUNTS ARE SUBJECT TO REVIEW AND MODIFICATION BY KING COUNTY

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^{*} NOTE: The word "bond" as used in this document means a financial guarantee acceptable to King County.

^{**} NOTE: KCC 27A authorizes right of way and site restoration bonds to be combined when both are required.

^{***} NOTE: Per KCC 27A, total bond amounts remaining after reduction shall not be less than 30% of the original amount (T) or as revised by major design changes.