

Department of Development & Environmental Services

900 Oakesdale Avenue Southwest Renton, Washington 98057-5212 **206-296-6600** TTY 206-296-7217

For alternate formats, call 206-296-6600.

Project Name:				Date:	
Location:				Project No.:	
				Activity No.:	
Clearing greater tha	n or equal to 5,000 board fe		profit. Pri	ces are from RS Means	ipment, materials, overhead and data adjusted for the Seattle area d in the RS Means database.
If yes,		no			
Forest Practice Pe	rmit Number:				
(RCW 76.09)					

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Unit prices updated: 02/12/02 Version: 07/07/2008 Report Date: 08/18/2008

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				Unit			# of	
		Reference #		Price	Unit	Quantity	Applications	Cost
EROSION/SEDIMENT CONTROL	Number							
Backfill & compaction-embankment	ESC-1		\$	5.62	CY			
Check dams, 4" minus rock	ESC-2	SWDM 5.4.6.3	\$	67.51	Each			
Crushed surfacing 1 1/4" minus	ESC-3	WSDOT 9-03.9(3)	\$	85.45	CY			
Ditching	ESC-4	_	\$	8.08	CY		_	
Excavation-bulk	ESC-5		\$	1.50	CY			
Fence, silt	ESC-6	SWDM 5.4.3.1	\$	1.38	LF			
Fence, Temporary (NGPE)	ESC-7		\$	1.38	LF			
Hydroseeding	ESC-8	SWDM 5.4.2.4	\$	0.59	SY			
Jute Mesh	ESC-9	SWDM 5.4.2.2	\$	1.45	SY			
Mulch, by hand, straw, 3" deep	ESC-10	SWDM 5.4.2.1	\$	2.01	SY			
Mulch, by machine, straw, 2" deep	ESC-11	SWDM 5.4.2.1	\$	0.53	SY			
Piping, temporary, CPP, 6"	ESC-12		\$	10.70	LF			
Piping, temporary, CPP, 8"	ESC-13		\$	16.10	LF			
Piping, temporary, CPP, 12"	ESC-14		\$	20.70	LF			
Plastic covering, 6mm thick, sandbagged	ESC-15	SWDM 5.4.2.3	\$	2.30	SY			
Rip Rap, machine placed; slopes	ESC-16	WSDOT 9-13.1(2)	\$	39.08	CY			
Rock Construction Entrance, 50'x15'x1'	ESC-17	SWDM 5.4.4.1	\$	1,464.34	Each			
Rock Construction Entrance, 100'x15'x1'	ESC-18	SWDM 5.4.4.1	\$	2,928.68	Each			
Sediment pond riser assembly	ESC-19	SWDM 5.4.5.2	\$	1,949.38	Each			
Sediment trap, 5' high berm	ESC-20	SWDM 5.4.5.1	\$	17.91	LF			
Sed. trap, 5' high, riprapped spillway berm section	ESC-21	SWDM 5.4.5.1	\$	68.54	LF			
Seeding, by hand	ESC-22	SWDM 5.4.2.4	\$	0.51	SY			
Sodding, 1" deep, level ground	ESC-23	SWDM 5.4.2.5	\$	6.03	SY			
Sodding, 1" deep, sloped ground	ESC-24	SWDM 5.4.2.5	\$	7.45	SY			
TESC Supervisor	ESC-25		\$	74.75	HR			
Water truck, dust control	ESC-26	SWDM 5.4.7	\$	97.75	HR			
WRITE-IN-ITEMS **** (see page 9)								
					Each			
			+					

30% CONTINGENCY & MOBILIZATION:	\$ -
ESC TOTAL:	\$ -
COLUMN:	 4

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				R	Existing Right-of-Way		Future Public Road Improvements & Drainage Facilities		Private provements	(Bor	ntity Completed nd Reduction)*
		Llait Daine	l lait	Overet				Overst	Cont	Quant.	0
		Unit Price	Unit	Quant.	Cost	Quant.	Cost	Quant.	Cost	Complete	Cost
GENERAL ITEMS	No.										
Backfill & Compaction- embankment	GI - 1	\$ 5.62	CY								
Backfill & Compaction- trench	GI - 2	\$ 8.53	CY								
Clear/Remove Brush, by hand	GI - 3	\$ 0.36	SY								
Clearing/Grubbing/Tree Removal	GI - 4	\$ 8,876.16	Acre								
Excavation - bulk	GI - 5	\$ 1.50	CY								
Excavation - Trench	GI - 6	\$ 4.06	CY								
Fencing, cedar, 6' high	GI - 7	\$ 18.55	LF								
Fencing, chain link, vinyl coated, 6' high	GI - 8	\$ 13.44	LF								
Fencing, chain link, gate, vinyl coated, 2		\$ 1,271.81	Each								
Fencing, split rail, 3' high	GI - 10	\$ 12.12	LF								
Fill & compact - common barrow	GI - 11	\$ 22.57	CY								
Fill & compact - gravel base	GI - 12	\$ 25.48	CY								
Fill & compact - screened topsoil	GI - 13	\$ 37.85	CY								
Gabion, 12" deep, stone filled mesh	GI - 14	\$ 54.31	SY								
Gabion, 18" deep, stone filled mesh	GI - 15	\$ 74.85	SY								
Gabion, 36" deep, stone filled mesh	GI - 16	\$ 132.48	SY								
Grading, fine, by hand	GI - 17	\$ 2.02	SY								
Grading, fine, with grader	GI - 18	\$ 0.95	SY								
Monuments, 3' long	GI - 19	\$ 135.13	Each								
Sensitive Areas Sign	GI - 20	\$ 2.88	Each								
Sodding, 1" deep, sloped ground	GI - 21	\$ 7.46	SY								
Surveying, line & grade	GI - 22	\$ 788.26	Day								
Surveying, lot location/lines	GI - 23	\$ 1,556.64	Acre								
Traffic control crew (2 flaggers)	GI - 24	\$ 85.18	HR								
Trail, 4" chipped wood	GI - 25	\$ 7.59	SY								
Trail, 4" crushed cinder	GI - 26		SY								
Trail, 4" top course	GI - 27	\$ 8.19	SY								
Wall, retaining, concrete	GI - 28	\$ 44.16	SF								
Wall, rockery	GI - 29	\$ 9.49	SF								

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				R	Existing Right-of-way		Future Public Road Improvements & Drainage Facilities		Private rovements	Quant.	Reduction*
		Unit Price	Unit	Quant.	Cost	Quant.	Cost	Quant.	Cost	Complete	Cost
ROAD IMPROVEMENT	No.										
	RI - 1	\$ 23.00	SY			T				T	
AC Grinding, 4' wide machine 1000-200			SY								
AC Grinding, 4' wide machine > 2000sy											
AC Removal/Disposal/Repair	RI - 4	\$ 41.14	SY								
Barricade, type I	RI - 5	\$ 30.03	LF								
Barricade, type III (Permanent)	RI - 6	\$ 45.05	LF								
Curb & Gutter, rolled	RI - 7	\$ 13.27	LF								
Curb & Gutter, vertical	RI - 8	\$ 9.69	LF								
Curb and Gutter, demolition and disposa	IRI - 9	\$ 13.58	LF								
Curb, extruded asphalt	RI - 10	\$ 2.44	LF								
Curb, extruded concrete	RI - 11	\$ 2.56	LF								
Sawcut, asphalt, 3" depth	RI - 12	\$ 1.85	LF								
Sawcut, concrete, per 1" depth	RI - 13	\$ 1.69	LF								
Sealant, asphalt	RI - 14	\$ 0.99	LF								
Shoulder, AC, (see AC road unit price)	RI - 15	\$ -	SY								
Shoulder, gravel, 4" thick	RI - 16	\$ 7.53	SY								
Sidewalk, 4" thick	RI - 17	\$ 30.52	SY								
Sidewalk, 4" thick, demolition and dispos	RI - 18	\$ 27.73	SY								
Sidewalk, 5" thick	RI - 19	\$ 34.94									
Sidewalk, 5" thick, demolition and dispos	RI - 20	\$ 34.65	SY								
Sign, handicap	RI - 21	\$ 85.28	Each								
1 0.1	RI - 22	-									
Striping, thermoplastic, (for crosswalk)											
Striping, 4" reflectorized line	RI - 24	\$ 0.25	LF								

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					F	Existing Right-of-way		uture Public Improvements	Private Improvements		Bond Reduction	
							1	age Facilities			Quant.	
		Unit	Price	Unit	Quant.	Cost	Quant.	Cost	Quant.	Cost	Complete	Cost
ROAD SURFACING (4" Rock =	2.5 bas	e & 1	.5" top c	ourse)	For '93 K	CRS (6.5" Rock= 5"	pase & 1.5"	top course)				
For KCRS '93, (additional 2.5" base) add	RS - 1	\$	3.60	SY								
AC Overlay, 1.5" AC	RS - 2	\$	7.39	SY								
AC Overlay, 2" AC	RS - 3	\$	8.75	SY								
AC Road, 2", 4" rock, First 2500 SY	RS - 4	\$	17.24	SY								
AC Road, 2", 4" rock, Qty. over 2500SY	RS - 5	\$	13.36	SY								
AC Road, 3", 4" rock, First 2500 SY	RS - 6	\$	19.69	SY								
AC Road, 3", 4" rock, Qty. over 2500 SY	RS - 7	\$	15.81	SY								
AC Road, 5", First 2500 SY	RS - 8	\$	14.57	SY								
AC Road, 5", Qty. Over 2500 SY	RS - 9	\$	13.94	SY								
AC Road, 6", First 2500 SY	RS - 10	\$	16.76	SY								
AC Road, 6", Qty. Over 2500 SY	RS - 11	\$	16.12	SY								
Asphalt Treated Base, 4" thick	RS - 12	\$	9.21	SY								
Gravel Road, 4" rock, First 2500 SY	RS - 13	\$	11.41	SY				·				·

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Gravel Road, 4" rock, Qty. over 2500 SYRS - 14 \$

PCC Road, 5", no base, over 2500 SY RS - 15 \$

PCC Road, 6", no base, over 2500 SY RS - 16 \$

Thickened Edge

7.53

21.51

21.87

6.89

RS - 17 \$

SY

SY

SY

LF

				F	Existing Right-of-way		ture Public Improvements ge Facilities	lm	Private aprovements	Bond Reduction* Quant.	
		Unit Price	Unit	Quant.	Cost	Quant.	Cost	Quant.	Cost	Complete	Cost
	•										
DRAINAGE (CPP = Corrugated Pla	stic Pipe	, N12 or Equi	valent)		For Culvert prices,	Average of 4' co	ver was assumed. As	sume perforat	ed PVC is same pric	e as solid pipe.	
Access Road, R/D	D - 1	\$ 16.74	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	\$ 1,257.64	Each								
CB Type IL	D - 5	\$ 1,433.59	Each								
CB Type II, 48" diameter	D - 6	\$ 2,033.57	Each								
for additional depth over 4'	D - 7	\$ 436.52	FT								
CB Type II, 54" diameter	D - 8	\$ 2,192.54	Each								
for additional depth over 4'	D - 9	\$ 486.53	FT								
CB Type II, 60" diameter	D - 10	\$ 2,351.52	Each								
for additional depth over 4'	D - 11	\$ 536.54	FT								
CB Type II, 72" diameter	D - 12	\$ 3,212.64	Each								
for additional depth over 4'	D - 13	\$ 692.21	FT								
Through-curb Inlet Framework (Add)	D - 14	\$ 366.09	Each								
Cleanout, PVC, 4"	D - 15	\$ 130.55	Each								
Cleanout, PVC, 6"	D - 16	\$ 174.90	Each								
Cleanout, PVC, 8"	D - 17	\$ 224.19	Each								
Culvert, PVC, 4"	D - 18	\$ 8.64	LF								
Culvert, PVC, 6"	D - 19	\$ 12.60	LF								
Culvert, PVC, 8"	D - 20	\$ 13.33	LF								
Culvert, PVC, 12"	D - 21	\$ 21.77	LF								
Culvert, CMP, 8"	D - 22	\$ 17.25	LF								
Culvert, CMP, 12"	D - 23	\$ 26.45	LF								
Culvert, CMP, 15"	D - 24	\$ 32.73	LF								
Culvert, CMP, 18"	D - 25	\$ 37.74	LF								
Culvert, CMP, 24"	D - 26		LF								
Culvert, CMP, 30"	D - 27	\$ 71.45	LF								
Culvert, CMP, 36"	D - 28	\$ 112.11	LF								
Culvert, CMP, 48"	D - 29	\$ 140.83	LF								
Culvert, CMP, 60"	D - 30		LF								
Culvert, CMP, 72"	D - 31	\$ 302.58	LF								

SUBTOTAL

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				-	Existing		uture Public	Im	Private provements	Bon	d Reduction*
DRAINAGE CONTINUED				,	ligiti-oi-way		age Facilities	•	iprovements	Quant.	
	No.	Unit Price	Unit	Quant.	Cost	Quant.	Cost	Quant.	Cost	Complete	Cost
Culvert, Concrete, 8"	D - 32		LF								
Culvert, Concrete, 12"	D - 33	\$ 30.05	LF								
Culvert, Concrete, 15"	D - 34	\$ 37.34	LF								
Culvert, Concrete, 18"	D - 35	\$ 44.51	LF								
Culvert, Concrete, 24"	D - 36	\$ 61.07	LF								
Culvert, Concrete, 30"	D - 37	\$ 104.18	LF								
Culvert, Concrete, 36"	D - 38	\$ 137.63	LF								
Culvert, Concrete, 42"	D - 39	\$ 158.42	LF								
Culvert, Concrete, 48"	D - 40	\$ 175.94	LF								
Culvert, CPP, 6"	D - 41	\$ 10.70	LF								
Culvert, CPP, 8"	D - 42	\$ 16.10	LF								
Culvert, CPP, 12"	D - 43	\$ 20.70	LF								
Culvert, CPP, 15"	D - 44	\$ 23.00	LF								
Culvert, CPP, 18"	D - 45	\$ 27.60	LF								
Culvert, CPP, 24"	D - 46	\$ 36.80	LF								
Culvert, CPP, 30"	D - 47	\$ 48.30	LF								
Culvert, CPP, 36"	D - 48	\$ 55.20	LF								
Ditching	D - 49	\$ 8.08	CY								
Flow Dispersal Trench (1,436 base+)	D - 50	\$ 25.99	LF								
French Drain (3' depth)	D - 51	\$ 22.60	LF								
Geotextile, laid in trench, polypropylene	D - 52	\$ 2.40	SY								
Infiltration pond testing	D - 53		HR								
Mid-tank Access Riser, 48" dia, 6' deep	D - 54	\$ 1,605.40	Each								
Pond Overflow Spillway	D - 55	\$ 14.01	SY								
Restrictor/Oil Separator, 12"	D - 56	\$ 1,045.19	Each								
Restrictor/Oil Separator, 15"	D - 57	\$ 1,095.56	Each								
Restrictor/Oil Separator, 18"	D - 58	\$ 1,146.16	Each								
Riprap, placed	D - 59		CY								
Tank End Reducer (36" diameter)	D - 60	\$ 1,000.50	Each								
Trash Rack, 12"	D - 61	\$ 211.97	Each								
Trash Rack, 15"	D - 62	\$ 237.27	Each								
Trash Rack, 18"	D - 63	\$ 268.89	Each								
Trash Rack, 21"	D - 64	\$ 306.84	Each								

				R	Existing Right-of-way	Road Ir	ure Public nprovements		Private rovements		Reduction*
						& Drainag	e Facilities			Quant.	
		Unit Price	Unit	Quant.	Price	Quant.	Cost	Quant.	Cost	Complete	Cost
PARKING LOT SURFACING											
7	No.										
" AC, 2" top course rock & 4" borrow	PL - 1	\$ 18.00	SY								
" AC, 1.5" top course & 2.5" base cou			SY								
" select borrow	PL - 3		SY								
.5" top course rock & 2.5" base course	PL - 4	\$ 11.41	SY								
	•										
JTILITY POLES & STREET LIG	HTING	<u> </u>		Utility pole	relocation costs m	nust be accompa	anied b Franchise	Utility's Cost	Statement		
	1										
Jtility Pole(s) Relocation	UP-1	Lump S	um								
treet Light Poles w/Luminaires	UP-2		Each								
VOITE IN ITEMS											
<u>VRITE-IN-ITEMS</u>											
Such as detention/water quality vaults.)	No.		1		Г			, , , , , , , , , , , , , , , , , , , 			
	WI - 1		Each								
	WI - 2		SY								
	WI - 3		CY								
	WI - 4		LF FT								
	WI - 5		FI								
	WI - 6 WI - 7										
	WI - 8										
	WI - 9										
	WI - 10										
		SUBTOTAL									
SUBT		(SUM ALL PA									
30% CONTIN	GENC										
		GRANDT CC	OTAL:		В		С		D		E

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Original bond computations prepared by:									
Name:						Date:			
PE Registration Number:					Tel. #:				
Firm Name:									
Address:	Proje	ect No:							
			ROAD IMPROVEMENTS	& DRAINAGE I	FACILITIES FINANCIAL GU	JARAN	TEE REQUIREMENTS		
	ı		PERFORMANCE BOND* AMOUNT	REO	BOND* AMOUNT	R	PUBLIC ROAD & DRAINAGE MAINTENANCE/DEFECT BOND*		
Stabilization/Erosion Sediment Control (ESC)	(A)	\$	-		MPORARY OCCUPANCY **		1		
Existing Right-of-Way Improvements	(B)	\$	-						
Future Public Road Improvements & Drainage Facilities	(C)	\$	-						
Private Improvements	(D)	\$	-						
Calculated Quantity Completed				(E)	\$ -	-			
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	um bond* amount is \$1000	T x 0.30	-	OR			
Reduced Performance Bond* Total ***				(T-E) Use lai	\$ - rger of Tx30% or (T-E	_	(B+C) x		
Maintenance/Defect Bond* Total							0.25 = \$ -		
NAME OF PERSON PREPARING BOND* REDUCTION:						Date:			
* NOTE: The word "bond" as used in this document mea	ns any fin	nancial (guarantee acceptable to King	County.					

REQUIRED BOND* AMOUNTS ARE SUBJECT TO REVIEW AND MODIFICATION BY DDES

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Check out the DDES Web site at www.kingcounty.gov/permits

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

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.

^{***} 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.

SURETY BOND RIDER NOTE: If a bond rider is used, minimum additional performance bond shall be

\$ - (C+D)-E