

from APPENDIX 'A'

Guidelines for percentage payments for partially complete work

<u>Description</u>	<u>Allowance (Cumulative)</u>
<b>Clearing and Grubbing</b>	
• Felled and slashed	35
• Bucked and piled (slashings, brush and logs)	60
• Grubbed	75
• Burned or chipped and removed	98
• Substantially complete including cleanup	100
<b>Excavation and Embankment</b>	
• Pioneered	5
• Drilled	20
• Blasted	35
• Roughed out to grade	85
• Roadbed finished to grade	90
• Slopes seeded	98
• Substantially complete including cleanup	100
<b>Structural Excavation</b>	
• Excavation complete	85
• Backfill complete	98
• Substantially complete including cleanup	100
<b>Aggregate Courses</b>	
• Crushed and stockpiled onsite	50
• Placed on roadway	80
• Spread, compacted and tested	98
• Substantially complete including cleanup	100
<b>Asphalt Pavements</b>	
• Aggregates crushed and stockpiled onsite	50
• Placed, compacted and tested	98
• Substantially complete including cleanup	100

Project Name: FORT VANCOUVER NATIONAL PARK Project Number: WA PRA FVNP 100(1) Item No. <b>20101-0000 Clearing &amp; Grubbing</b> Field Measurements by: Fred Smith 7/06/2013 Calculations by: John B. Contractor
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<b>Sta</b>	<b>Sta</b>	<b>SF</b>	
375+00.00	376+50.00	7,876.00	1 acre = 43560 square feet
376+50.00	383+61.10	33,298.00	
383+61.10	389+00.00	25,048.00	
389+00.00	394+50.00	34,852.00	
394+50.00	398+00.00	19,164.00	
398+00.00	400+00.00	15,103.00	
		135,341.00 Total	3.107 acre

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STATION	CLEARING LT	DISTANCE RT	EXCEPTION WIDTH	AREA SF	SUBTOTAL SF	AREAS ACRES
369+00.00 R 2	36.62	34.60	24.00	2443		
369+50.00 R 2	39.33	35.10	24.00	2442		
370+00.00 R 2	42.05	33.79	24.00	2558		
370+50.00 R 2	56.18	34.75	24.00	2970		
371+00.00 R 2	43.60	33.06	24.00	2990		
371+50.00 R 2	41.32	34.92	24.00	2623		
372+00.00 R 2	43.74	22.39	24.00	2360		
372+50.00 R 2	39.22	25.20	24.00	2064		
373+00.00 R 2	38.87	23.11	24.00	1960		
373+50.00 R 2	44.79	36.14	24.00	2373		
374+00.00 R 2	49.50	45.90	24.00	3209		
374+50.00 R 2	48.94	26.36	24.00	3068		
375+00.00 R 2	48.49	30.41	24.00	2655		
375+50.00 R 2	42.98	32.22	24.00	2653		
376+00.00 R 2	48.76	27.95	24.00	2599		
376+50.00 R 2	52.08	24.14	24.00	2624		

Σ 7876 SF

put in MS Excel spreadsheet



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STATION	CLEARING LT	DISTANCE RT	EXCEPTION WIDTH	AREA SF	SUBTOTAL SF	AREAS ACRES
377+00.00 R 2	46.56	23.45	24.00	2456		
377+50.00 R 2	44.93	22.38	24.00	2234		
378+00.00 R 2	39.81	22.33	24.00	2037		
378+50.00 R 2	35.30	32.18	24.00	2041		
379+00.00 R 2	24.06	54.41	24.00	2449		
379+50.00 R 2	30.87	50.61	24.00	2799		
380+00.00 R 2	31.04	42.22	24.00	2669		
380+50.00 R 2	30.87	41.81	24.00	2449		
381+00.00 R 2	29.48	40.39	24.00	2364		
381+50.00 R 2	29.77	41.71	24.00	2334		
382+00.00 R 2	28.54	36.00	24.00	2201		
382+50.00 R 2	27.33	26.09	24.00	1750		
383+00.00 R 2	36.05	30.55	24.00	1801		
383+10.60 R 2	41.81	48.02	24.00	575		
383+50.00 R 2	35.85	49.34	24.00	2503		
383+61.10 R 2	28.95	48.41	24.00	636		

Σ 33,298 SF

← put in MS Excel spreadsheet

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STATION	CLEARING LT	DISTANCE RT	EXCEPTION WIDTH	AREA SF	SUBTOTAL SF	AREAS ACRES
384+00.00 R 2	28.67	32.86	24.00	1768		
384+50.00 R 2	32.86	46.92	24.00	2333		
384+61.10 R 2	28.55	29.00	24.00	496		
385+00.00 R 2	27.07	29.00	24.00	1277		
385+20.00 R 2	28.70	29.00	24.00	658		
385+47.01 R 2	31.89	29.00	24.00	954		
385+50.00 R 2	32.07	50.98	24.00	144		
385+80.39 R 2	33.82	28.89	24.00	1486		
386+00.00 R 2	35.50	40.57	24.00	891		
386+50.00 R 2	35.44	60.24	24.00	3094		
387+00.00 R 2	31.94	49.31	24.00	3224		
387+50.00 R 2	27.54	37.90	24.00	2468		
388+00.00 R 2	43.27	27.95	24.00	2217		
388+50.00 R 2	40.00	27.51	24.00	2269		
388+92.00 R 2	19.10	34.31	24.00	1532		
389+00.00 R 2	19.10	34.67	24.00	237		

Σ 25,048 SF

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STATION	CLEARING LT	DISTANCE RT	EXCEPTION WIDTH	AREA SF	SUBTOTAL SF	AREAS ACRES
389+50.00 R 2	43.42	38.92	24.00	2203		
390+00.00 R 2	44.10	40.42	24.00	2972		
390+50.00 R 2	48.32	47.12	24.00	3300		
391+00.00 R 2	49.15	38.33	24.00	3374	141934	3.2584 (ACCUM SF 1956814.0000)
391+50.00 R 2	45.42	45.43	24.00	3259		
392+00.00 R 2	43.46	41.75	24.00	3202		
392+50.00 R 2	46.72	45.43	24.00	3235		
392+95.00 R 2	43.68	44.21	24.00	2971		
393+00.00 R 2	43.19	45.59	24.00	322		
393+50.00 R 2	42.31	56.21	24.00	3483		
393+55.00 R 2	42.00	56.95	24.00	374		
393+72.00 R 2	39.57	56.70	24.00	1252		
393+75.00 R 2	39.08	55.44	24.00	215		
393+87.50 R 2	39.66	51.10	24.00	859		
394+00.00 R 2	37.19	46.35	24.00	790		
394+50.00 R 2	40.05	46.02	24.00	3041		

Σ 34952 SF

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STATION	CLEARING LT	DISTANCE RT	EXCEPTION WIDTH	AREA SF	SUBTOTAL SF	AREAS ACRES
395+00.00 R 2	22.65	65.96	24.00	3168		
395+50.00 R 2	22.28	25.98	24.00	2222		
396+00.00 R 2	34.40	32.91	24.00	1690		
396+12.50 R 2	33.69	48.38	24.00	634		
396+25.00 R 2	33.76	52.02	24.00	750		
396+28.00 R 2	33.88	54.65	24.00	190		
396+41.00 R 2	32.91	57.29	24.00	850		
396+45.00 R 2	33.19	54.33	24.00	260		
396+50.00 R 2	33.54	54.01	24.00	318		
397+00.00 R 2	46.15	47.35	24.00	3327		
397+05.00 R 2	46.85	46.56	24.00	348		
397+41.00 R 2	31.00	45.60	24.00	2197		
397+50.00 R 2	31.00	45.82	24.00	475		
397+68.00 R 2	31.00	46.19	24.00	955		
397+95.00 R 2	31.00	47.08	24.00	1449		
398+00.00 R 2	54.78	47.27	24.00	331		

$\Sigma$  19,104 SF

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STATION	CLEARING LT	DISTANCE RT	EXCEPTION WIDTH	AREA SF	SUBTOTAL SF	AREAS ACRES
398+18.00 R 2	55.85	49.17	24.00	1432		
398+50.00 R 2	52.50	50.74	24.00	2565		
399+00.00 R 2	52.12	49.17	24.00	3914		
399+18.00 R 2	51.44	47.50	24.00	1371		
399+50.00 R 2	51.11	44.41	24.00	2344		
400+00.00 R 2	46.30	45.23	24.00	3477		
400+50.00 R 2	43.57	44.18	24.00	3283		
401+00.00 R 2	43.21	40.24	24.00	3081		
401+50.00 R 2	24.77	36.87	24.00	2428		
402+00.00 R 2	29.22	35.93	24.00	1970		
402+50.00 R 2	31.39	39.00	24.00	2189		
403+00.00 R 2	35.84	34.78	24.00	2326		
403+10.79 R 2	39.51	38.89	24.00	545		
403+50.00 R 2	32.01	26.56	24.00	1745		
404+00.00 R 2	32.44	42.08	24.00	2128		
404+50.00 R 2	31.24	42.60	24.00	2509		

22,204 SF

22,204 SF