

## Minimum Measure #4: Construction Site Control

### Task Description and Cost Breakdown

Task Specific Multipliers			
		Low	High
Consultant Rate	\$120		
Construction Projects per Year		1	3

	Cost		Hours	
	Low	High	Low	High
Annual	\$0	\$0	0	0
One-Time	\$4,840	\$23,500	32	96
Intermittent	\$16,800	\$86,400	140	720
Total*	\$4,840	\$23,500	32	96
*Without Intermittent Costs				

Rural																			
No.	Type of Action	Time from Effective Date	Frequency	Permit Deliverable	Construction Site Runoff Control Requirement	Reference	One Time Costs				Annual/Ongoing Costs					Total Costs/Hours			
							Hours		Fixed Costs		Hours per Year		Fixed Costs		Number of Years	Total Cost Over 5-Year Permit Period		Total Hours Over 5-Year Permit Period	
							Low	High	Low	High	Low	High	Low	High		Low	High	Low	High
1					Develop and implement a construction site runoff program.	2.3.5 c													
1.1	Admin/ Tech/Legal	Required by 2003 Permit	One-time		Develop an ordinance that requires sediment and erosions controls and for other wastes at construction sites. This was required by 2003 MS4 Permit.	2.3.5 c i	0		\$0		0		\$0		0	\$0	\$0	0	0
1.2	Admin/ Tech	1 year	One-time		Adopt written procedures for inspections and enforcement of the ordinance. Clearly define who is responsible for site inspections and who has authority to implement enforcement procedures. Document in SWMP.	2.3.5 c ii	0		\$0		\$0		\$0		0	\$0	\$0	0	0
1.3	Admin/ Tech/Legal	1 year	One-time		Update ordinance/bylaw to include requirements for site operators to implement BMPs (e.g., reduce disturbed area, protect slopes, etc.) and to control other wastes, if not already included.	2.3.5 c iii & iv	32	40	\$1,000	\$2,000	0		\$0		0	\$4,840	\$6,800	32	40
1.4	Admin	1 year	One-time		Develop written procedures for site plan review and inspection and enforcement within 1 year, if not already completed. Include pre-construction review, consideration for protection of water quality impacts, LID components, receipt of information from the public, inspections during and after BMP installation, qualifications necessary to perform the inspections, inspection forms and procedures for tracking the number of site reviews, inspections, and enforcement actions.	2.3.5 c v	0	56	\$0	\$0	0		\$0	\$2,000	5	\$0	\$16,720	0	56
1.4a	Tech	1 year	Intermittent		Pre-construction peer reviews	2.3.5 c v	0		\$0		24	120	\$0		5	\$14,400	\$72,000	120	600
1.4b	Tech	1 year	Intermittent		Construction site inspections	2.3.5 c v	0		\$0		4	24	\$0		5	\$2,400	\$14,400	20	120
1.5	Admin		Annual	x	Include tracking information as part of each annual report.	2.3.5 c v	0		\$0		0		\$0		0	\$0	\$0	0	0
TOTAL FOR FIVE YEARS (w/o intermittent costs)																\$4,840	\$23,500	32	96

## Minimum Measure #4: Construction Site Control

### Task Description and Cost Breakdown

Task Specific Multipliers		
	Low	High
Consultant Rate	\$120	
Construction Projects per Year	3	5

	Cost		Hours	
	Low	High	Low	High
Annual	\$0	\$0	0	0
One-Time	\$4,840	\$23,500	32	96
Intermittent	\$50,400	\$144,000	420	1200
Total*	\$4,840	\$23,500	32	96
*Without Intermittent Costs				

Suburban																			
No.	Type of Action	Time from Effective Date	Frequency	Permit Deliverable	Construction Site Runoff Control Requirement	Reference	One Time Costs				Annual/Ongoing Costs					Total Costs/Hours			
							Hours		Fixed Costs		Hours per Year		Fixed Costs		Number of Years	Total Cost Over 5-Year Permit Period		Total Hours Over 5-Year Permit Period	
							Low	High	Low	High	Low	High	Low	High		Low	High	Low	High
1	Develop and implement a construction site runoff program.					2.3.5 c													
1.1	Admin/ Tech/Legal	Required by 2003 Permit	One-time		Develop an ordinance that requires sediment and erosions controls and for other wastes at construction sites. This was required by 2003 MS4 Permit.	2.3.5 c i	0		\$0		0		\$0		0	\$0	\$0	0	0
1.2	Admin/ Tech	1 year	One-time		Adopt written procedures for inspections and enforcement of the ordinance. Clearly define who is responsible for site inspections and who has authority to implement enforcement procedures. Document in SWMP.	2.3.5 c ii	0		\$0		\$0		\$0		0	\$0	\$0	0	0
1.3	Admin/ Tech/Legal	1 year	One-time		Update ordinance/bylaw to include requirements for site operators to implement BMPs (e.g., reduce disturbed area, protect slopes, etc.) and to control other wastes, if not already included.	2.3.5 c iii & iv	32	40	\$1,000	\$2,000	0		\$0		0	\$4,840	\$6,800	32	40
1.4	Admin	1 year	One-time		Develop written procedures for site plan review and inspection and enforcement within 1 year, if not already completed. Include pre-construction review, consideration for protection of water quality impacts, LID components, receipt of information from the public, inspections during and after BMP installation, qualifications necessary to perform the inspections, inspection forms and procedures for tracking the number of site reviews, inspections, and enforcement actions.	2.3.5 c v	0	56	\$0	\$0	0		\$0	\$2,000	5	\$0	\$16,720	0	56
1.4a	Tech	1 year	Intermittent		Pre-construction peer reviews	2.3.5 c v	0		\$0		72	200	\$0		5	\$43,200	\$120,000	360	1000
1.4b	Tech	1 year	Intermittent		Construction site inspections	2.3.5 c v	0		\$0		12	40	\$0		5	\$7,200	\$24,000	60	200
1.5	Admin		Annual	x	Include tracking information as part of each annual report.	2.3.5 c v	0		\$0		0		\$0		0	\$0	\$0	0	0
TOTAL FOR FIVE YEARS (w/o intermittent costs)																\$4,840	\$23,500	32	96

## Minimum Measure #4: Construction Site Control

### Task Description and Cost Breakdown

Task Specific Multipliers		
	Low	High
Consultant Rate	\$120	
Construction Projects per Year	5	10

	Cost		Hours	
	Low	High	Low	High
Annual	\$0	\$0	0	0
One-Time	\$4,840	\$23,500	32	96
Intermittent	\$84,000	\$288,000	700	2400
Total*	\$4,840	\$23,500	32	96
*Without Intermittent Costs				

Urban																			
No.	Type of Action	Time from Effective Date	Frequency	Permit Deliverable	Construction Site Runoff Control Requirement	Reference	One Time Costs				Annual/Ongoing Costs					Total Costs/Hours			
							Hours		Fixed Costs		Hours per Year		Fixed Costs		Number of Years	Total Cost Over 5-Year Permit Period		Total Hours Over 5-Year Permit Period	
							Low	High	Low	High	Low	High	Low	High		Low	High	Low	High
1	Develop and implement a construction site runoff program.					2.3.5 c													
1.1	Admin/ Tech/Legal	Required by 2003 Permit	One-time		Develop an ordinance that requires sediment and erosions controls and for other wastes at construction sites. This was required by 2003 MS4 Permit.	2.3.5 c i	0		\$0		0		\$0		0	\$0	\$0	0	0
1.2	Admin/ Tech	1 year	One-time		Adopt written procedures for inspections and enforcement of the ordinance. Clearly define who is responsible for site inspections and who has authority to implement enforcement procedures. Document in SWMP.	2.3.5 c ii	0		\$0		\$0		\$0		0	\$0	\$0	0	0
1.3	Admin/ Tech/Legal	1 year	One-time		Update ordinance/bylaw to include requirements for site operators to implement BMPs (e.g., reduce disturbed area, protect slopes, etc.) and to control other wastes, if not already included.	2.3.5 c iii & iv	32	40	\$1,000	\$2,000	0		\$0		0	\$4,840	\$6,800	32	40
1.4	Admin	1 year	One-time		Develop written procedures for site plan review and inspection and enforcement within 1 year, if not already completed. Include pre-construction review, consideration for protection of water quality impacts, LID components, receipt of information from the public, inspections during and after BMP installation, qualifications necessary to perform the inspections, inspection forms and procedures for tracking the number of site reviews, inspections, and enforcement actions.	2.3.5 c v	0	56	\$0	\$0	0		\$0	\$2,000	5	\$0	\$16,720	0	56
1.4a	Tech	1 year	Intermittent		Pre-construction peer reviews	2.3.5 c v	0		\$0		120	400	\$0		5	\$72,000	\$240,000	600	2000
1.4b	Tech	1 year	Intermittent		Construction site inspections	2.3.5 c v	0		\$0		20	80	\$0		5	\$12,000	\$48,000	100	400
1.5	Admin		Annual	x	Include tracking information as part of each annual report.	2.3.5 c v	0		\$0		0		\$0		0	\$0	\$0	0	0
TOTAL FOR FIVE YEARS (w/o intermittent costs)																\$4,840	\$23,500	32	96