

Appendix 9-B
Cost List for MDOT-Approved BMPs

Estimated Cost List for MDOT-Approved BMPs

Costs are reflective of January 2004 prices (ENR Construction Cost Index = 6825). (Sources used: MDOT Quarterly Bid Reports, RS Means 2004 Site Work and Landscaping Cost Data.) These costs should be used for planning purposes only. For current prices contact Specs and Estimates Design Support Area.

BMP Name	Unit	Estimated COST per Unit
Aggregate Cover (E&S-8)	SY	\$4.40
Benches (E&S-9)	HRS	\$140 per hour of dozer time
BMP Inspection and Maintenance Plan	N/A	Dependent on BMP
Check Dam (E&S-37)	LF	\$13.00
Clean and Maintain Storm Drain Channels		Dependent on channel size
Clean and Maintain Storm Inlet and Catch Basins	EA	\$166
Cofferdam (E&S-34)	LS	N/A (usually about \$30/sf of sheeting)
Dewatering by Filter Bag/Sediment Basin (E&S-18)	EA	\$181 per filter bag
Diversion Dike (E&S-10)	CY	\$1.75
Drop Inlet Sediment Trap (E&S-31)	EA	\$130 + \$13.50/CY for maintenance
Dust Control (E&S-4)	TON	\$310 per ton of dust palliative
Employee Training		
Energy Dissipators (E&S-19)	CY	\$37.50 (riprap)
Geotextile Silt Fence (E&S-26)	LF	\$1.90
Gravel Access Approach (E&S-14)	EA	N/A (usually about \$4.40/SY)
Gravel Filter Berm (E&S-13)	LF	N/A (usually about \$35/CY)
Infiltration Trench		Dependent on runoff flow rate and depth of groundwater
Inlet Protection Fabric Drop (E&S-29)	EA	Dependant on size (usually \$2.10/LF for fabric)
Inlet Protection Geotextile and Stone (E&S-30)	EA	\$80
Intercepting Ditch (E&S-11)	STA	\$545
Intercepting Ditch and Diversion Dike (E&S-12)	STA	\$625
Litter Control (Maintenance)	N/A	
Materials Management Plan	N/A	
Minimizing Effects of Highway De-icing (Maintenance)	N/A	
Mulch Blankets and High Velocity Mulch Blankets (E&S-33)	SY	\$0.85
Mulching and Mulch Anchoring (E&S-28)	SY	\$0.20
Outlet Protection	CY	\$36.25
Permanent/ Temporary Seeding (E&S-3)	LB	N/A (usually about \$4.50/SY)
Pipe Drop (E&S-17)		Dependent on pipe size
Plastic Sheets or Geotextile Cover (E&S-27)	SY	\$2.10
Riprap (E&S-7)	CY, SY	\$37.50/CY
Sand and Stone Bags (E&S-24)	EA	\$9.50
Sand Fence and Dune Stabilization (E&S-45)	LF	\$4.15
Sediment Basin (Size > 5 CY.) (E&S-21)	CY	\$27, includes maintenance
Sediment Trap (Size < 5 CY) (E&S-20)	EA	\$93.50 + \$13.50/CY for maintenance

BMP Name	Unit	Estimated COST per Unit
Slope Drain Surface (E&S-15)		Dependent on pipe size
Slope Roughening and Scarification (E&S-32)	HRS	\$140 per hour of dozer time
Sodding (E&S-5)	SY	\$3.10
Stream Relocation (E&S-23)	N/A	Dependent on technique
Street Sweeping (Maintenance)	N/A	
Temporary Bypass Channel (E&S-35)	CY	\$32 + Sand or stone bags, includes maintenance
Trees, Shrubs, Vines, and Groundcover (E&S-16)	EA	\$210
Turbidity Curtain (E&S-1)	LF	Dependent on structure size
Used Oil Recycling Program	N/A	
Vegetated Buffer at Watercourse (E&S-22)	N/A	
Vegetative Buffer Strips (E&S-6)	N/A	