

WSDOT 2009-11 Biennium Programming Instructions for Management of Environmental Mitigation Sites

WDOT Updated 3/18/08

What is Management of Environmental Mitigation Sites?

One year following the completion of mitigation activities (usually a 1-year contractor warranty) funded by the Highway Construction Program, the region will perform on-going site management at all environmental mitigation sites in a region until mitigation sites are considered established. Activities that currently will be addressed include:

- (1) certain types of site monitoring (e.g., fish-passage structures required by HPA),
- (2) routine site management (e.g., weed control, small-scale replanting),
- (3) large-scale replanting of vegetation in the event of accelerated die-off, and major remediation activities resulting from "catastrophic" failures.

Please note: this list of activities may evolve over time as environmental mitigation permit requirements change. The Systems Analysis and Program Management Office will work with Headquarters Environmental Services staff to keep an update list of acceptable activities.

What is not included?

Once mitigation sites are considered established, the Maintenance Program will accept financial responsibility to perform routine maintenance activities at these sites.

What program will this work be budgeted in?

The regions will budget this work in the Environmental Retrofit portion of the Improvement Program for Highway Construction. The regions are to set up a budget item with the following attributes:

Program Item Number X99924F. Northwest Region uses 197924F

Title – Management of Environmental Mitigation Sites

Subprogram I-4

Category – IO

Improvement Type Code – P6

Note: Beginning in the 2005-07 biennium, the Environmental Services Office budget will no longer have funding available out of the "H program" to pay for this type of work.

How does the region estimate the amount of funding needed in order to pay for these activities?

Each region needs to prepare and maintain a work plan for management of the environmental mitigation sites that will reach the end of the 1-year warranty period and still not have reached the point of being considered established. An example of such a work plan is below for your reference.

Draft Environmental Mitigation (environmental management) Work Plan

In the past various project PINs have been required to be left open years after the construction date for plant management or other required work under necessary permits. To alleviate this problem with PINs staying open for an extended period of time, HQ Systems Analysis and Program Development office opened an Environmental Mitigation allocation for each region to satisfy the plant mitigation and other requirements of permits from various agencies.

This entails all work needed after the contractor's guarantee of plant establishment is met, typically one year after planting. Below is North Central Region's estimate of this cost, based on historical values and contact with the HQ Environmental Office.

Please submit these work plans to Bill Kelley in Systems Analysis and Program Development for review.

North Central Region
Environmental Mitigation 09-11 Work Plan

Project	PIN	Funds	Permit	Activity	Duration	July09- June10	July10- June11	Total	
SR 20/Bannon Cr. To Aeneas Valley Rd.	202041A	PEF	Corps Permit, Mitigation	Weed control, replanting, stream grade control structures	5 yr	\$14,40	\$14,400	\$28,800	
SR 20/Methow River Bridge Replacement	202025A	PEF	HPA	Weed control, replanting	3 yr	\$0	\$0	\$0	
US 2/Winton Rd. Intersection Relocation	200200N	PEF	Corps Permit	Weed control, replanting	10 yr	\$7,200	\$7,200	\$14,400	
SR 20/Mazama Area Fish Passage	202001P	PEF	HPA	Weed control, replanting, fence repair	3 yr	\$4,200	\$4,200	\$8,400	
SR 20/Varden Creek Culvert	Emergency	PEF	HPA	Weed control, replanting	3 yr	\$1,200	\$1,200	\$2,400	
SR 20/Twisp East-Fish Barrier	202001R	PEF	HPA, Corps Permit	Weed control, replanting		\$4,500	\$4,500	\$9,000	
SR28/Rock Island - Rock Slopes Stage 2	202819A	PEF	BLM Easement	Weed control, seeding		\$3,000	\$3,000	\$6,000	
SR 17/Pioneer Way to Stratford Rd	201729A	TPA		Weed control, seeding		\$12,000	\$12,000	\$24,000	
US 97/Tonasket South paver	209701U	PEF		Weed control, reseeding		\$6,000	\$6,000	\$12,000	
SR 171 Interchange	209013A	PEF	Shorelines, HPA, Corps	Replanting shoreline		\$3,000	\$3,000	\$6,000	
US 97/NC Regionwide Bridge Scour	200061E	PEF	HPA	Weed control, replanting		\$240	\$240	\$480	
US 2/Mill Creek Fish Passage	200202D	PEF	HPA	Weed control, replanting		\$4,200	\$4,200	\$8,400	
SR 26/Sand Hollow-Culvert Repair	202600D	PEF	HPA	Weed control, replanting		\$29,000	\$29,000	\$58,000	
SR 2/Iron Goat Byway Interpretive Facility & PP Mitigation Site	000200A	PEF	Corps, King County	weed control, replanting		\$16,800	\$16,800	\$33,600	
Contingencies 8%						\$8,459	\$8,459	\$16,918	
						Year Totals	\$114,199	\$114,199	
							Biennium Total	\$228,398	

How many work orders should be set up to track expenditures against this work plan?

The regions need to devise a method to track expenditures by activities at each site. They need to set up at least two (2) work orders under the project number; first (1) to track expenditures at mitigation sites required by a contract permit requirement from one or more of the resource agencies, second (2) to track expenditures at restoration sites without a contract permit requirement by a resource agency.

What are the essential activities that the regions should budget for?

Below is a list of the essential activities that should be budgeted for at the sites above.

List of Management Activities at WSDOT Mitigation Sites

- I. ***Routine site-management.***—These are the normal and expected activities that are expected to occur on all/most sites to keep them in compliance with permit conditions and/or project success standards.
 - A. Weed control
 - B. Minor replanting of vegetation
 - C. Fence repair
 - D. Litter and trash pick-up & removal
- II. ***On-site remediation.***—These activities are initiated when projects have fallen out of compliance with permit conditions and/or project success standards.
 - A. Re-grading
 - B. Major replanting of vegetation
 - C. Installation of temporary irrigation system
 - D. Installation of fencing
- III. ***Major remediation.***—This category is established for the rare instances when a mitigation site is a catastrophic failure and it becomes necessary to completely design/redesign and construct/reconstruct the mitigation site to meet permit requirements.
 - A. Site reconnaissance & negotiation with agencies
 - B. Property acquisition
 - C. Site construction