

Stormwater Pollution Prevention Plan

1. PROJECT INFORMATION AND SITE DESCRIPTION

1.1. Project Information

- **Project Name:** SR 123-2 and SR 410-1c
- **Project Number:** WA PRA-MORA 10(11)
- **Project Address:** SR 123 Milepost 10.5-16.3 and SR 410 Mile post 65.6-67.0
- **County:** Pierce
- **Federal Lands:** Mount Rainier National Park
- **Township, Range, Section, ¼ Section:**

T16N, RN10E, Sections 31, 32, 29, 19, & 20

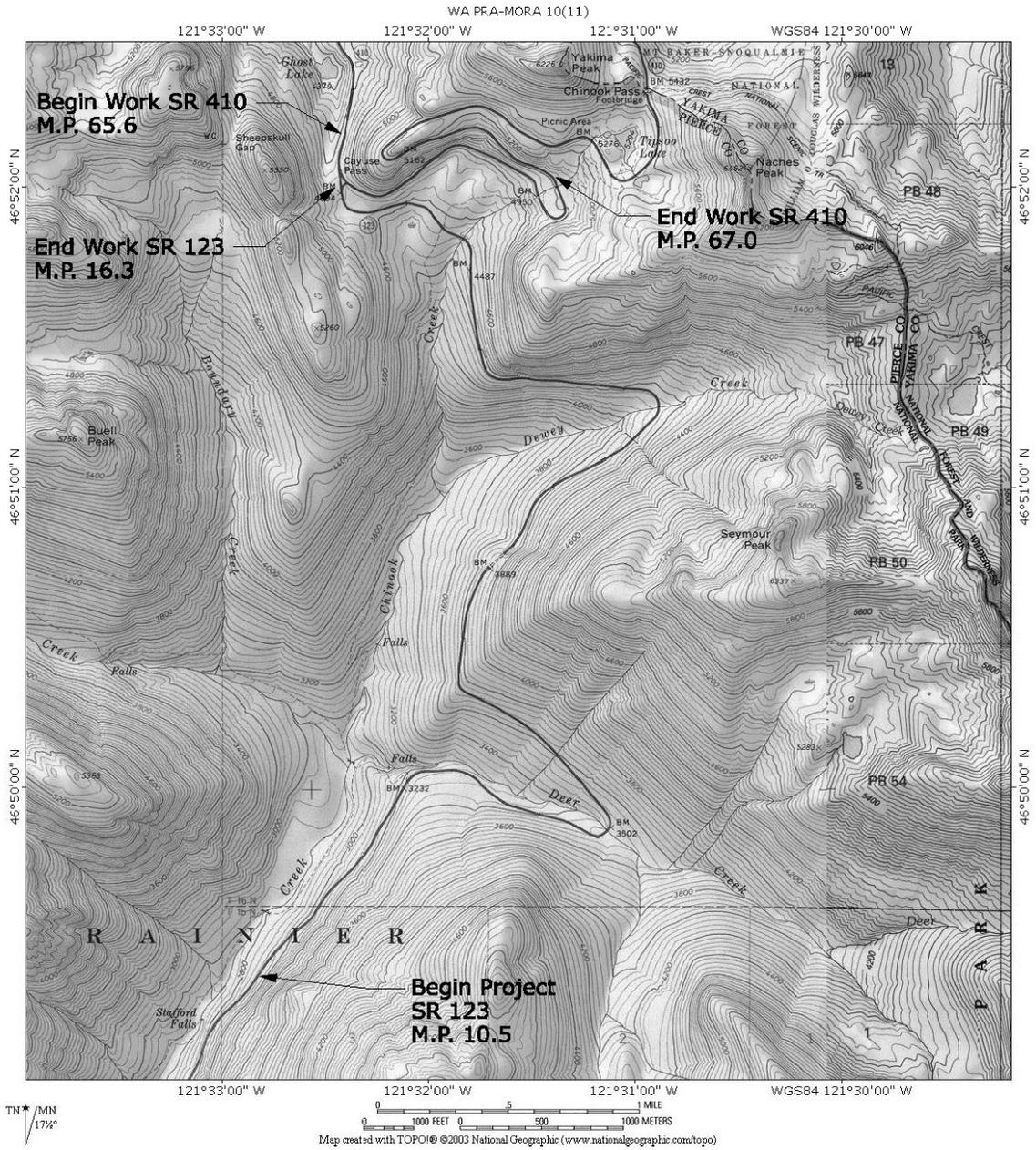
- **Owner and Maintenance Information:**

Mount Rainier National Park
Star Route Tahoma Woods
Ashford, Washington 98304

Federal Highway Administration (FHWA)
610 East Fifth Street
Vancouver, WA 98661-3893

The FHWA is preparing the design and will administer the construction contract. The NPS owns all of the land at and around the roadway and WSDOT maintain the road after construction is completed.

Location Map



2. PROJECT DESCRIPTION AND SCHEDULE

2.1. Project Site, Vicinity, and Schedule

The National Park Service, in cooperation with the Western Federal Lands Highway Division (WFHLD) of the Federal Highway Administration, is planning to repair part of Washington State Route 123 from MP 10.5 to MP 16.3 and State Route 410 from MP 65.6 to 67.0. WA SR123 serves as the primary access to the north, east and south sections of the Mt. Rainier National Park. WA SR 410 serves as one of the five primary east-west cross Cascade highways that links the Puget Sound and Yakima areas in the state. The existing condition of the roads is poor. Frost heaving and infiltration of water into the base, subbase, and embankments have all contributed to the continuing deterioration of the road and the need for improvement.

This project will consist of recycling and overlaying the roadway within the project limits along the existing alignment. The existing pavement will be recycled in place and used as base course. A new lift (2" depth) of hot asphalt will be constructed over the recycled base. Approximately 23 turnouts will be redesigned, with a small change in the footprint. Approximately 8,100 square yards of roadway will be obliterated. All disturbances are within the existing roadway, including the turnouts.

Where base and subbase material has become saturated and frost heaving has occurred, the subbase will be dug out and replaced with suitable material. These digouts will occur in approximately 3 locations. The subexcavation at each site will be confined and then backfilled in the same work shift. Ditch and culverts will be cleaned as needed to reestablish proper drainage. Approximately 89 culverts and 15,000 feet of ditches will be cleaned.

2.2. Narrative Sequence of Major Activities

The following activities will be performed by the Contractor unless otherwise noted.

1. Mobilization, installation of erosion control, and construction signage.
2. Subexcavation areas, culvert repairs, ditch reconditioning, turnout and parking area improvements.
3. Pavement pulverization and aggregate base installation.
4. Paving, striping, and guardrail installation.
5. Revegetation
6. Site cleanup

2.3. Disturbance and Off Site Activities Activities

The total area of work, including resurfacing as well as actual ground disturbance, is 31.0 acres. Actual ground disturbance associated with ditch work, shoulder grading, subexcavation, turnouts, and culvert replacement is approximately 4.3 acres.

Details showing BMP use and locations, as well as disturbance areas, can be found in the contract plans and specifications.

3. EROSION AND SEDIMENT CONTROLS AND SITE STABILIZATION

3.1. Name of Nearest Surface Water Body and Distance:

Tributaries run through the project and drain to Chinook Creek and Ohanapecosh River.

3.2. Controls

3.2.1. Temporary Stabilization Practices

√	Practice or Measure	√	Practice or Measure	√	Practice or Measure
	Temporary Seeding	X	Mulching		Straw Bale Dikes
	Erosion Control Blankets		Temporary Channel Diversion		Temporary Sediment Basins
	Brush Barriers	X	Silt Fences	X	Sediment Logs
	Other (please specify):				

3.2.2. Permanent Stabilization Practices

√	Practice or Measure	√	Practice or Measure	√	Practice or Measure
X	Permanent Seeding	X	Soil Stabilization		Check Dams
	Vegetative Buffer Strips		Grassed Waterways		Erosion Blankets
	Drainage Swales		Earth Dikes		Pipe Slope Drain(s)
	Level Spreader(s)		Subsurface Drain(s)		Sediment Trap(s)
	Drain Inlet Protection		Sediment Basin(s)/ Ponds(s)	X	Rock Outlet Protection
	Terraced Slopes		Retaining Walls	X	Riprap-lined Ditch
	Disturbed Slopes:				
	Other (please specify):				

3.2.3. Storm Water Management Controls

√	Practice or Measure	√	Practice or Measure	√	Practice or Measure
	Wet Pond(s) or created wetland(s)		Infiltration Trench(es) or Basin(s)		Dry Pond(s)
X	Flow Attenuation by use of vegetation waterways and natural depressions (most highway projects)				
	Other (please specify):				

4. WASTES AND HAZARDOUS MATERIALS MANAGEMENT

4.1. Waste Disposal

(List disposal methods for construction, hazardous, and sanitary wastes)

Construction waste (unsuitable and/or excess excavation) materials will be disposed of by the contractor at a site selected by him and yet to be determined.

All hazardous waste and sanitary wastes will be removed from the project site, and treated as required by State and Federal laws.

4.2. Offsite Vehicle Tracking:

No offsite work is anticipated during this project.

5. SPILL PREVENTION AND MATERIALS STORAGE PRACTICES

5.1. Materials Inventory (Materials Present Onsite During Construction)

√	Material or Item	√	Material or Item	√	Material or Item
X	Concrete	X	Culverts		Detergents
X	Fertilizers	X	Fuel	X	Geotextiles
X	Guardrails		Lumber		Masonry Blocks
X	Metal Studs or Signposts		Paints		Pesticides
	Roofing Shingles	X	Solvents		Tar
	Petroleum-based Products:	X	Diesel	X	Gasoline
		X	Asphalt Cement	X	Emulsified Asphalt
	Other (please specify):				

5.2. Product-specific Storage Practices to be Followed Onsite

Petroleum: Stationary diesel and gasoline tanks will have containment area.

Fertilizers and Pesticides: No long-term storage at the project site.

Hazardous Materials: Substances will be labeled and stored in proper containers at least 100 feet from surface water streams.

Other:

5.3. Additional Best Management Practices

In addition to the good housekeeping and material management practices discussed in the previous sections of this plan, the following best management practices (BMPs) will be followed for spill prevention and cleanup:

- A Spill Prevention, Control, and Countermeasure Plan will be required prior to starting construction.

6. MAINTENANCE AND INSPECTION PROCEDURES

The FHWA will have a full-time Project Engineer (PE) on the project. The PE will conduct routine and weather-related inspections to ensure compliance with the proposed plan.

7. REFERENCES

(Attach maps of the site and indicate the location of erosion control practices.)

Erosion control plan sheets begin on F.1

The following are included in this plan by reference:

- Construction plans, most specifically Section A- Title Sheet (location map), Section D – Roadway Plan, Section F – Erosion Control, and Section H – Drainage. Clearing and seeding limits are shown on Typical Section sheets C.2-7;
- *Standard Specifications for Construction of Roads and Bridges on Federal Highway Projects FP-03*, most specifically Sections 107,157, and 625;
- *Special Contract Requirements*, most specifically Sections 107, 108, 157, 204, 251, and 625.

8. PLAN CERTIFICATION

OWNER CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

<u>Terri Thomas</u> Name (Printed)	<u>Env. Prog. Mgr.</u> Title
<u>/s/ Terri Thomas</u> Signature	<u>7-3-2007</u> Date