

ERRATA December 2012

Nisqually to Paradise Road Repair and Improvements Environmental Assessment Mount Rainier National Park

This errata sheet documents changes to the text of Nisqually to Paradise Road Repair and Improvements Environmental Assessment (EA) made following public release of the EA in August 2012. These changes correct, clarify or modify original text based on public comments and/or actions that have changed. There are no modifications that would result in substantial alteration of determination of effects, nor which substantively amend proposed actions.

This Errata must be attached to the original EA so as to comprise the full and complete record of the environmental impact analysis completed for this initiative.

1. The next to last sentence in the last paragraph on page 15 of the EA should be revised as follows:

"All of the night work construction and staging areas are more than 1 mile from Cougar Rock campground and 0.75 miles west of Longmire."

2. The third sentence in the second paragraph under *Embankment Stabilization* on page 25 of the EA contains a typographical error and should be revised as follows:

"MSE wall construction would require removal of trees less than 18 inches diameter at breast height (DBH) and possible impacts to tree roots."

3. Add a new sentence at the end of the first paragraph under the section titled *Culverts and Ditches* on page 31:

Roadside ditches will be cleaned of debris and excess sediment to ensure adequate drainage away from the road.

5. The following minor revisions were made to amphibian and fish resource protection measures in Table 2 of the EA. These changes do not alter the conclusions of the impact analysis.

Table 1. Amphibian and Fish Resource Protection Measures

MP	Construction Work	Night Work ¹	Resource Protection Measures ²
0.0 – 0.3	Subexcavation	No	Restrict work to dry soil conditions in adjacent ditches, work day only, no work in May and June, extension of lane width only after NPS Resource Advisor approval.
0.4 – 0.6	Subgrade reinforcement	No	Restrict work to daylight hours; coir logs with drift fencing on both sides of road (extend 6 feet beyond ends).
0.6 – 0.7	Potential culvert replacement	No	Avoid ditch work, work within fish window (beginning July 15 through and including September 15) or when conditions are dry if culvert is to be replaced or ditch work is necessary. If stream culvert is to be replaced, consult with NPS Resource Advisor.
0.8 – 0.85	Potential culvert replacement	No	Avoid ditch work, work within fish window (beginning July 15 through and including September 15) or when conditions are dry if culvert is to be replaced or ditch work is necessary. If stream culvert is to be replaced, consult with NPS Resource Advisor.
0.9 – 1.1	Subexcavation, culvert replacement	No	Restrict work to daylight hours, and no extension of lane width. Work when conditions are dry if culvert is to be replaced or ditch work is necessary. Consult NPS Resource Advisor.
1.1 – 1.2	New Tahoma Creek culvert replacement	Yes	Work within fish window (beginning July 15 through and including September 15), remove fish and tadpoles prior to work, install coir log with drift fence backing across channel on either end of work area and filter any sediment released.
1.6 – 1.7	Potential culvert replacement	No	Avoid ditch work, work within fish window (beginning July 15 through and including September 15) or when conditions are dry if culvert is to be replaced or ditch work is necessary. If stream culvert is to be replaced, consult with NPS Resource Advisor.
1.75 – 2.5	Subexcavation, subgrade reinforcement, deep patch, potential culvert replacement	Yes	No work in May and June, coir log with drift fencing along edge of pavement on both sides of road (extend 6 feet beyond ends), work within fish window (beginning July 15 through and including September 15) or when conditions are dry if culvert is to be replaced or ditch work is necessary. If stream culvert is to be replaced or lane width needs to be extended, consult with NPS Resource Advisor.
2.0 – 2.1	Potential culvert replacement	No	Day work only, install coir log with drift fencing along edge of pavement on both sides of road (extend 6 feet beyond both ends), work within fish window (beginning July 15 through and including September 15) or when conditions are dry if culvert is to be replaced or ditch work is necessary. If stream culvert is to be replaced or lane width needs to be extended, consult with NPS Resource Advisor.
2.1 – 2.2	Potential culvert replacement, subexcavation nearby	No	Restrict work to daylight hours only, install coir log with drift fencing along edge of pavement on both sides of road (extend 6 feet beyond both ends), work within fish window (beginning July 15 through and including September 15) or when conditions are dry if culvert is to be replaced or ditch work is necessary. Limit ditch work. If stream culvert is to be replaced or lane width needs to be extended, consult with NPS Resource Advisor.
2.2 – 2.3	Potential culvert replacements, deep patches, and subgrade reinforcements nearby	Yes	Work within fish window (beginning July 15 through and including September 15) or when conditions are dry if culverts are to be replaced or ditch work is necessary. If stream culverts are to be replaced or lane width needs to be extended, consult with NPS Resource Advisor.
2.6 – 2.7	Subgrade reinforcement and potential culvert replacement	No	Work within fish window (beginning July 15 through and including September 15) or when conditions are dry if culvert is to be replaced. If culvert is to be replaced consult with NPS Resource Advisor.

MP	Construction Work	Night Work ¹	Resource Protection Measures ²
2.8 – 3.2	Subgrade reinforcement, deep patches, potential culvert replacements	Yes	Work within fish window (beginning July 15 through and including September 15) or when conditions are dry if culvert is to be replaced. If culvert is to be replaced consult with NPS Resource Advisor.
3.4 – 3.6	Kautz Creek work	Yes	Work during dry period adjacent to stream, install sediment traps and erosion control.
4.3 – 4.4	Potential culvert replacements	No	Work within fish window (beginning July 15 through and including September 15) or when conditions are dry if culverts are to be replaced or ditch work is necessary. If stream culverts are to be replaced or lane width needs to be extended, consult with NPS Resource Advisor. No equipment storage, fueling or stockpiling at turnout, which is located over culvert. Protect stream with sediment/silt barrier.
4.9 – 6.0	Deep patches, subgrade reinforcement, potential culvert replacement	Yes	Work within fish window (beginning July 15 through and including September 15) or when conditions are dry if culverts are to be replaced or ditch work is necessary. If stream culverts are to be replaced or lane width needs to be extended, consult with NPS Resource Advisor.
6.1 – 6.2	Deep patch and potential culvert replacement	Yes	Work within fish window (beginning July 15 through and including September 15) or when conditions are dry if culverts are to be replaced or ditch work is necessary. If stream culverts are to be replaced or lane width needs to be extended, consult with NPS Resource Advisor.
6.3 – 6.4	Potential culvert replacement	No	Work within fish window (beginning July 15 through and including September 15) or when conditions are dry if culverts are to be replaced or ditch work is necessary. If stream culverts are to be replaced or lane width needs to be extended, consult with NPS Resource Advisor.
6.4 – 6.5	Potential culvert replacement	No	Work within fish window (beginning July 15 to September 15) or when conditions are dry if culvert is to be replaced. If culvert is to be replaced consult with NPS Resource Advisor.
6.5 – 6.6	Potential culvert replacement	No	Work within fish window (beginning July 15 through and including September 15) or when conditions are dry if culvert is to be replaced. If culvert is to be replaced consult with NPS Resource Advisor.
7.5 – 7.6	Potential culvert replacement	No	Work within fish window (beginning July 15 through and including September 15) or when conditions are dry if culvert is to be replaced. If culvert is to be replaced consult with NPS Resource Advisor.
7.8 – 8.1	Standard road rehabilitation activities	No	Restrict work to dry soil conditions in adjacent ditches, no work in May and June. If lane width needs to be extended, consult with NPS Resource Advisor. Provide sediment barriers. No driving on uphill shoulder.
10.6 – 10.9	MSE wall, deep patch, potential culvert replacement	Yes	Restrict work to dry soil conditions in adjacent ditches. Avoid extension of lane width. If lane width needs to be extended, consult with NPS Resource Advisor. Install silt fence along edge of pavement on upslope side to protect water quality of adjacent seeps and wet ditch.
11.3 – 11.6	Standard road rehabilitation activities	No	Restrict work to day only, no extension of lane width. Install construction fencing on upslope side of road. Install sediment barriers.
11.7 – 12.0	Deep patch	Yes	Restrict any necessary ditch work to dry soil conditions. If ditch cleaning is absolutely necessary, it will be done in consultation with the NPS Resource Advisor.
14.8 – 15.8	Deep patch, drainage improvement	Yes	Restrict work to dry soil conditions in adjacent ditches. No extension of lane width or ditch cleaning. If ditch cleaning absolutely necessary, consult with NPS Resource Advisor. Use sediment barriers along both sides of the road.

MP	Construction Work	Night Work ¹	Resource Protection Measures ²
18.4 – 21.0	Standard road rehabilitation activities	No	Restrict work to day only, no work until snow-bank on east side is completely melted and ditches are dry. Contingent on approval by NPS Resource Advisor who will visit site prior to construction to check conditions. Upslope habitat beyond paved road edge will be left undisturbed, no removal of substrate, including gravel, cobble, boulders or downed wood. No extension of lane width.

¹ Locations where night work is planned. Areas of night work have greater potential for amphibian impacts and additional resource protection measures may be used.

² All instream work where native fish may be impacted will be conducted during the fish window beginning July 15 through and including September 15 or when conditions are dry. Some locations may be conducted in the dry, or do not require culvert replacement or instream work, in which case implementation during fish window is not required.