



WELCOME

Please Sign In

Our goals for the open house meeting are to:

- . Discuss the U.S. Highway 101 Rehabilitation at Lake Crescent project**
- . Answer your questions**
- . Get your thoughts and ideas**



Roles and Responsibilities

Agency	Responsibility
NPS (All projects unless otherwise indicated)	Secure funding for the U.S. Highway at Lake Crescent and Sol Duc parking lot projects
	Provide overall direction for the projects
	Serve as lead for environmental clearances
	Review and approve project plans, specifications, and estimates for Lake Crescent and Sol Duc projects
	Responsible for Sol Duc parking lot maintenance
FHWA/WFLHD (All projects)	Manage project schedule and design
	Provide funding for under transportation bill MAP-21
	Prepare plans, specifications, estimates, and contract documents
	Administer the construction contract
	In cooperation with NPS, prepare environmental clearances and secure permits
WSDOT (Lake Crescent Rd)	Responsible for U.S. Highway 101 at Lake Crescent maintenance
	Support design development
	Review project plans, specifications, and estimates
Clallam County (East Beach Rd)	Secure funding for the East Beach Road project
	Review and approve project plans, specifications, and estimates
	Responsible for East Beach Road maintenance



Purpose and Need

Repair work is being proposed for 12.3 miles of U.S. Highway 101 adjacent to Lake Crescent to address safety and long-term maintenance concerns. Additional project purposes are to improve deteriorated pavement conditions on East Beach Road and in the Sol Duc parking area.

U.S. Highway 101 at Lake Crescent currently includes:

- Substandard and/or failing guardrail
- Roadside hazards such as missing drop inlet grates and rockfalls
- Poor pavement conditions (potholes, edge failures, poor surfacing)

Rehabilitation is needed to:

- Improve subsurface pavement conditions
- Apply new pavement
- Stabilize cut and fill slopes
- Improve drainage
- Improve and replace guardrails
- Mitigate rockfall hazards
- Improve intersections



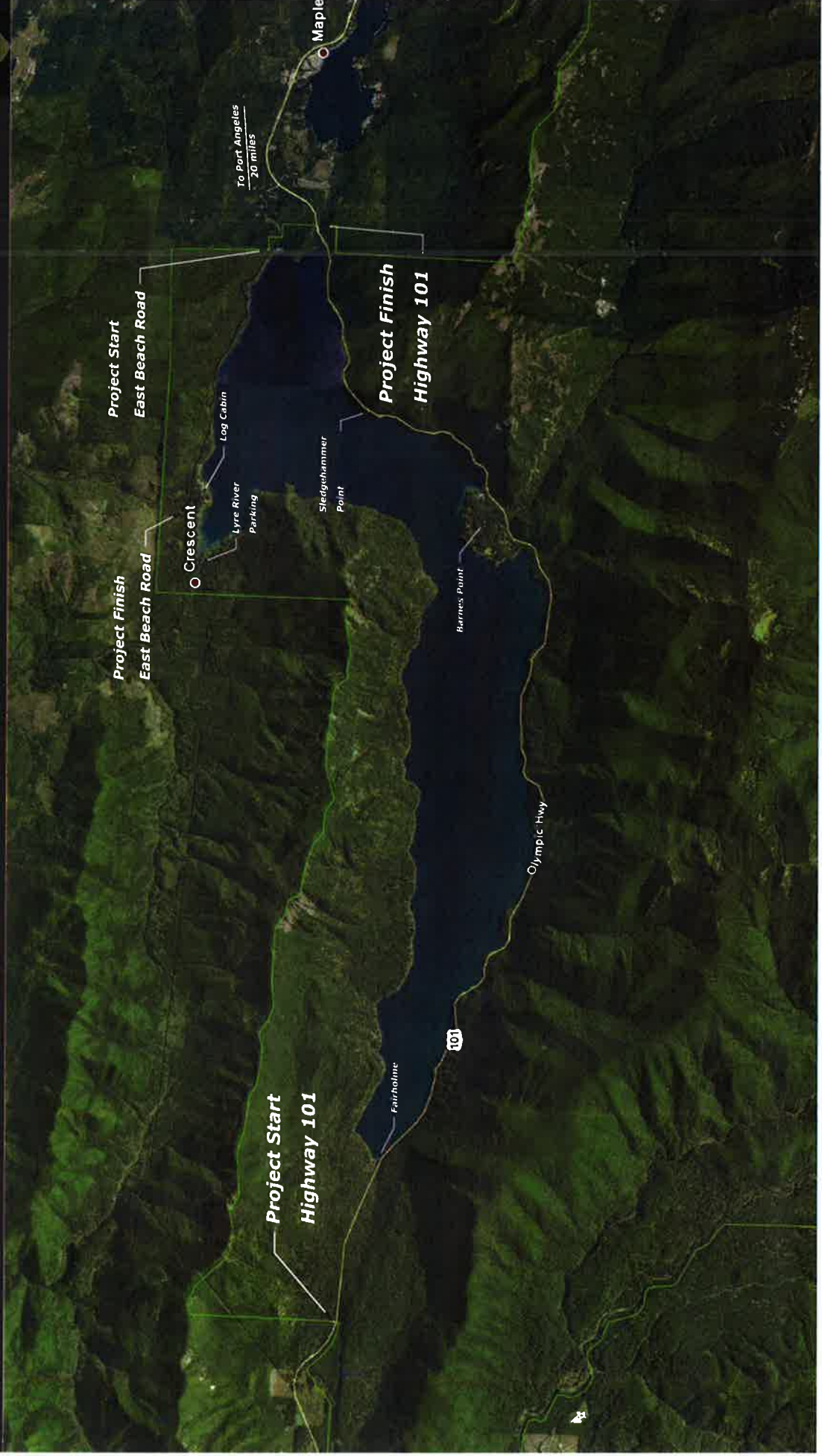
Decision to be Made

An Environmental Assessment (EA), evaluating impacts of the proposed project on natural, cultural, and socio-economic resources, visitor use and experience, and park operations will be used to help National Park Service (NPS) Pacific West Regional Director, based on a recommendation from the Superintendent of Olympic National Park and the Federal Highway Administration (FHWA) Division Director to determine whether and how to rehabilitate this 12.3 mile section of U.S. Highway 101.

The decision will be documented in either a Finding of No Significant Impact (FONSI) for this EA or in an Environmental Impact Statement and Record of Decision, should the EA reveal the project to have significant impacts to resources.

**Highway 101 Rehabilitation at Lake Crescent
Environmental Assessment
Olympic National Park**

**National Park Service
U.S. Department of the Interior**





Alternative 1: No Action

- U.S. Highway 101 at Lake Crescent would not be rehabilitated.
- Existing deteriorated pavement and slope conditions would remain. Although ongoing maintenance activities would continue, over time this section of the roadway would become increasingly uneven and patched.
- Geotechnical evaluation of the roadway for the proposed project has identified numerous unstable areas.
- Without rehabilitation, catastrophic failure of portions of the roadway could occur, causing an increased frequency of unplanned delays and closures to repair the road.
- Among the current conditions along the Lake Crescent segment of U.S. Highway 101 that are indicative of current or future problems are:
 - Substandard and/or failing guardrail, including rotting guardrail posts
 - Deteriorated, uneven pavement, including potholes and pavement edge failures
 - Unstable slopes
 - Subsurface pavement problems
 - Poor drainage, including blocked and/or undersized culverts and missing drainage features, such as drop inlet grates
 - Rock fall hazards
 - Failing retaining walls (including concrete crib, riprap, and gabion basket)
- Note: U.S. Highway 101 is maintained by the Washington State Department of Transportation for Olympic National Park. Except for a short right-of-way section near the park boundary, close to Port Angeles, the roadway is fully within Olympic National Park and is federally owned.



Actions Common to Alternatives 2-6

Barnes Point Access

Although road closures and delays would vary among the alternatives, in all alternatives, access to Barnes Point would be maintained from either the east or west portion of U.S. Highway 101. This access, however, could include 30-minute delays, depending on which portion of the road is undergoing rehabilitation.

Lake Crescent Road Modifications

- Repair pavement deterioration and stabilize road shoulders:
 - Excavate and replace soils (deep patches)
 - Construct mechanically stabilized earthen (MSE) walls
 - Construct reinforced soil slope (RSS) walls
- Improve drainage
- Replace guardrail (posts and rail)
- Conduct rockfall mitigation
- Improve Sledgehammer Point
- Construct Barnes Point Transit Stop
- Modify turnouts along Lake Crescent
- Replace asphalt concrete paving
- Replace roadway signs
- Conduct revegetation/restoration of disturbed areas





Actions Common to Alternatives 2-6

Sol Duc Parking Area Modifications

The southwest edge of the Sol Duc parking area has deteriorated. Pavement edges in three locations would be reconstructed by adding fill, fixing slides/slumps, repaving, and adding pavement markings to match the existing parking area.

East Beach Road Modifications

East Beach Road would be repaved and minor repairs, such as improving the area beneath the road surface (deep patches) would occur. Repairs could include evaluation/replacement of the large hanging culvert near Log Cabin Resort.

Actions to Facilitate Construction

A variety of actions would be undertaken to facilitate construction, including:

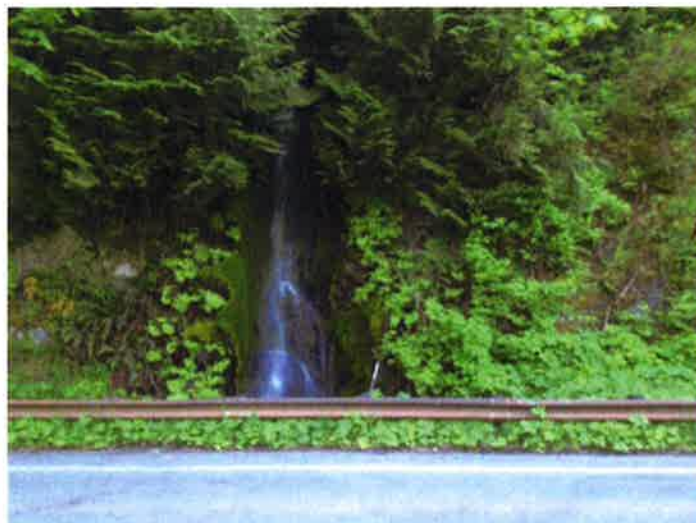
- Planning for travel delays
- Implementing temporary traffic control
- Locating staging areas
- Creating a fueling plan
- Procuring fill material
- Disposing of materials that could not be reused
- Implementing erosion control best management practices
- Conducting public outreach during construction





Alternative 2: 30-Minute Delays

- To facilitate construction there would be 30-minute delays on the Lake Crescent segment of U.S. Highway 101 in Olympic National Park throughout the duration of the road rehabilitation.
- Road rehabilitation would be expected to last approximately three construction seasons (March through November in each of the three years).





Reroute Information For Alternatives 3-6

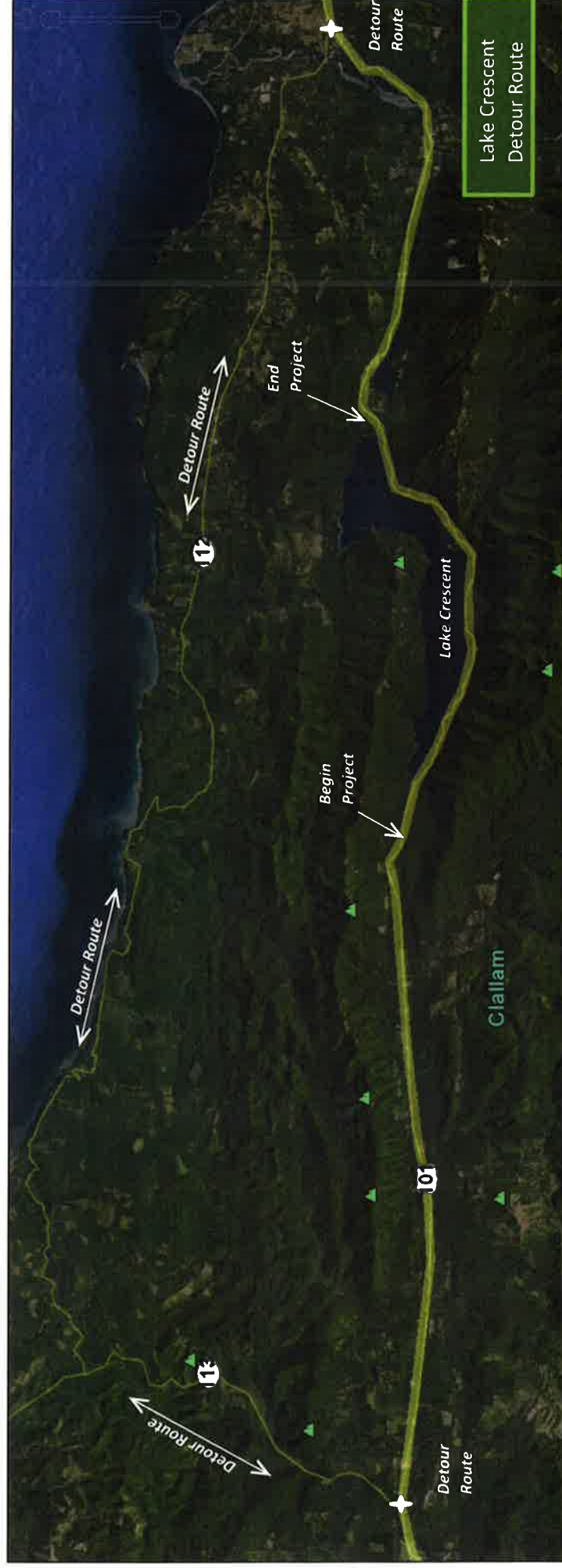
Reroute traffic would be directed onto Washington's State Highway 113 then onto Washington State Highway 112 coming from the west. For traffic from the east the reroute would be reversed. (State Highway 112 intersects with U.S. Highway 101 at approximately 3.5 miles from the intersection of State Highway 117 and U.S. Highway 101 in west Port Angeles.)

The proposed reroute is part of the Strait of Juan de Fuca Scenic Byway and provides access to a variety of recreation sites, including Crescent Beach (off Camp Hayden Road), the Washington Department of Natural Resources (DNR) Lyre River Campground, and Clallam County's Salt Creek Recreation Area and Pillar Point Recreation Area before rejoining U.S. Highway 101 on the west end of Lake Crescent. Along the way, State Highway 112 offers outstanding coastal views and access.

The proposed reroute would add approximately 9.5 miles, or 18 minutes, to trips around Lake Crescent. Although the road is generally in reasonably good condition, there are a few sections signed as "Rough Road" and "Slides and Washouts Next 39 miles." Because State Highway 112 is also subject to tsunamis, it is possible that if one occurred, both routes could be closed to access. The speed limit varies on State Highway 112, but is generally 55 m.p.h. The road is curvy and there are several hairpin turns and speed warning signs which indicate much lower speeds should be used.

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Alternative 3: 30-Minute Delays and Shoulder Season Closure

- To facilitate construction, the Lake Crescent segment of U.S. Highway 101 in Olympic National Park would be:
 - Closed in the spring (March and April) and fall (October and November)
 - Open with 30-minute delays throughout the remainder of the road rehabilitation.
- Road rehabilitation is expected to last approximately 2.2 construction seasons.
- During closures, through traffic would be rerouted onto Washington State Highway 112/113.
- Access to Barnes Point would be maintained from either the east or west portion of U.S. Highway 101, which could include 30-minute delays, depending on which portion of the road is undergoing rehabilitation.





Alternative 4: 30-Minute and 8-Hour Delays

- To facilitate construction, the Lake Crescent segment of U.S. Highway 101 in Olympic National Park would be:
 - Closed Monday-Friday from 9:00 a.m. to 5:00 p.m. during the construction season.
 - Open with 30-minute delays throughout the remainder of the road rehabilitation during the construction season (mornings before 9:00 a.m., evenings after 5:00 p.m. and on weekends).
- Road rehabilitation is expected to last approximately 2.5 construction seasons.
- During closures, through traffic would be rerouted onto Washington State Highway 112/113.
- Access to Barnes Point would be maintained from either the east or west portion of U.S. Highway 101, which could include 30-minute delays, depending on which portion of the road is undergoing rehabilitation.





Alternative 5:

30-Minute Delays and First Season Closure

- To facilitate construction the Lake Crescent segment of U.S. Highway 101 in Olympic National Park would be:
 - Closed during the first construction season (March through November)
 - Open with 30-minute delays throughout the remainder of the road rehabilitation.
- Road rehabilitation is expected to last approximately 2 construction seasons .
- During closures, through traffic would be rerouted onto Washington State Highway 112/113.
- Access to Barnes Point would be maintained from either the east or west portion of U.S. Highway 101, which could include 30-minute delays, depending on which portion of the road is undergoing rehabilitation.





Alternative 6: Full Construction Closure

- To facilitate construction the Lake Crescent segment of U.S. Highway 101 in Olympic National Park would be:
 - Closed for the duration of road rehabilitation.
- Road rehabilitation is expected to last approximately 1.7 construction seasons.
- During the closure, through traffic would be rerouted onto Washington State Highway 112/113.
- Access to Barnes Point would be maintained from either the east or west portion of U.S. Highway 101, which could include 30-minute delays, depending on which portion of the road is undergoing rehabilitation.





Project Schedule

Major Work Tasks	2014				2015				2016				2017				2018			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Preliminary Design																				
Public Outreach																				
Environmental (NEPA) Document																				
Final Design																				
Construction																				

Work Task Descriptions

Preliminary Design - project scoping, development and study of alternatives, background research

Public Outreach - press releases, public meetings, public comment

Environmental Document - field studies, document preparation

Final Design - construction document preparation, cost estimates, detailed design

Construction - advertisement, bidding and award, construction work



Project Process and Tentative Timeline

Planning Phase/ Major Work Tasks	Tentative Timeframe	Opportunities for Public Input
Preliminary Design	2014-2015	None
Public Comment on Draft Alternatives	Now (Spring 2015)	Review the information provided in this letter and on the planning website, attend a public meeting and/or submit your comments online.
Prepare Draft EA	Summer/Fall 2015	Stay up-to-date on the planning process by visiting the website at http://parkplanning.nps.gov/Hwy101LC
Public Comment on Draft EA	Fall 2015	Review the draft EA, attend a public meeting and/or submit your comments online.
Prepare Final EA	Winter 2016	Stay up-to-date on the planning process by visiting the website at http://parkplanning.nps.gov/Hwy101LC
Release of Final EA	Winter 2016	
Finding of No Significant Impact (FONSI)	Winter 2016	
Final Design	Winter-Fall 2016	None
Construction	Winter 2017- Fall 2018	Construction updates will be provided via press releases.



How You Can Participate

Your thoughts, ideas, and suggestions are critical as we develop the U.S. Highway 101 Rehabilitation at Lake Crescent / Environmental Assessment.

You can provide comments by any of the following methods:

- Comment Online at <http://parkplanning.nps.gov/Hwy101LC>
- Take a moment to write down your comments on the forms provided.
- Mail Comments To:

Sarah Creachbaum, Superintendent
ATTN: Hwy 101 Rehabilitation at Lake Crescent
Olympic National Park
600 E. Park Avenue
Port Angeles, WA 98362

Comments will not be accepted by any other way than those specified above. Bulk comments in any format (hard copy or electronic) submitted on behalf of others will not be accepted.

Before including your personal information in your comment, you should be aware that your entire comment – **including your personal identifying information** – may be publicly available at any time.

Although you may request that we withhold your personal information from public review, we cannot guarantee that we will be able to do so.