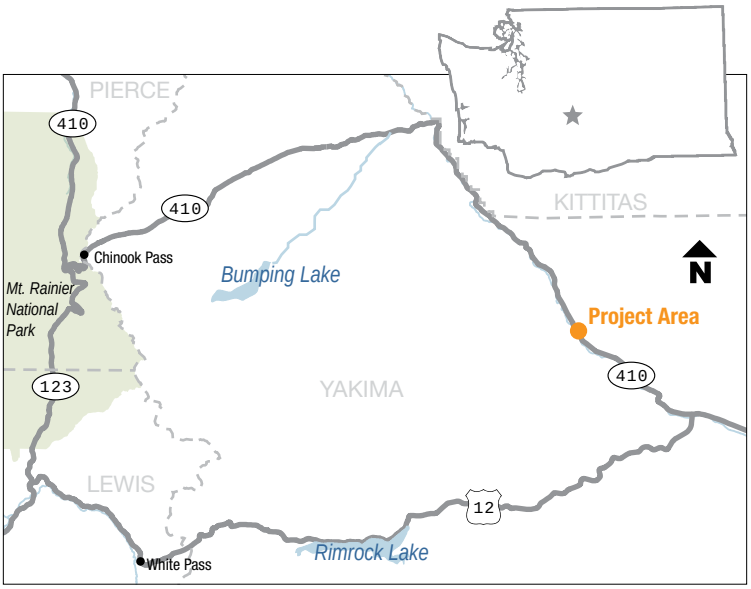
Washington State Department of Transportation

410 Nile Valley Landslide

March 2012

Reconstruct Route



Project History

On Oct. 11, 2009, a massive landslide occurred west of Yakima in the Nile Valley. The landslide brought down tens of millions of cubic yards of rock and debris onto State Route 410, demolishing a half mile of state highway and completely blocking the Naches River channel.

In order to immediately restore temporary access to residents of the Nile Valley, WSDOT and the contractor, Selland Construction, built an emergency detour on Nile Loop Road and a temporary channel for the Naches River.

WSDOT consulted with hydrologists, and determined the emergency detour would not withstand seasonal flooding of the Naches River. With access restored by the emergency detour, WSDOT began work on a more durable detour to prevent Nile Valley residents, businesses and recreational areas from being cut off due to possible flooding of the Naches River and the annual closure of Chinook Pass.

Emergency Response

On Oct. 22, 2009, WSDOT, Yakima County and Selland Construction built a detour for SR 410 that maintained access for the SR 410 corridor. The work consisted of paving the northern end of Nile Loop Road and relocating the southern end to south of the valley, away from the Naches River. To protect the landslide from erosion, crews re-channeled the Naches River away from the slide through a diversion structure and into newly constructed channels. As promised, the detour was paved and opened to traffic by Thanksgiving 2009.

The Nile Valley landslide destroyed half mile of SR 410 and blocked the Naches River channel.

Construction 2012

WSDOT and contractor Apollo, Inc., of Kennewick, will construct a new route along the toe of the landslide that destroyed a quarter-mile of the old route. Construction includes grading, paving, stabilizing a slope on the west end and adding guardrail to the new route. Improvements to the intersection of Nile Loop Road and SR 410 include new turn pockets and lighting.

Drivers will experience only minor traffic delays as the majority of the work will take place within the existing SR 410 closure area.

Estimated Total Project Cost

Federal Funding
Emergency relief funds - $8.4 million

State Funding
Existing funds- $1.3 million

Total funds available from all sources: $9.7 million
Note: This estimate includes engineering, right of way, and construction costs.

SR 410 detour and a new channel for the Naches River completed fall 2010.

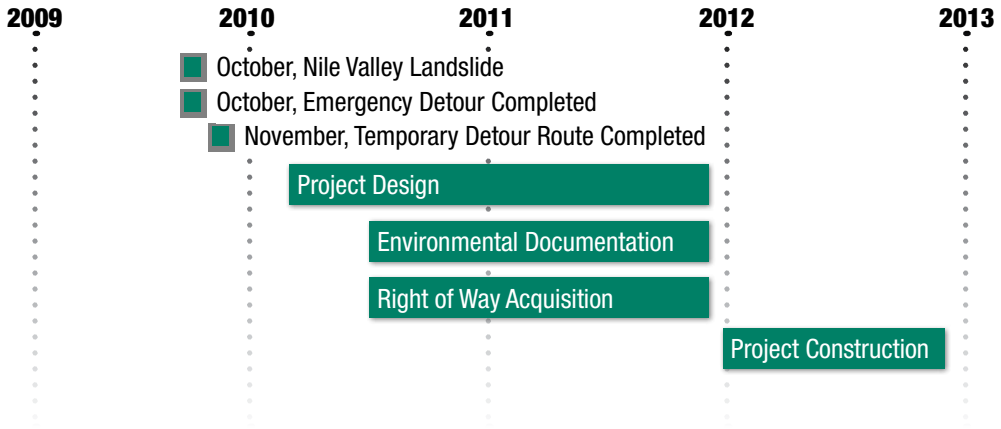
SR 410 Nile Valley Landslide Reconstruct Route

Schedule

Construction Start . . . . . June 2012

Open to Traffic . . . . . Fall 2012

Design and Construction Timeline (Subject to Funding)



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