



General Description and Key Features

This alternative creates a new corridor south of the existing roadway between MP 47.7 and MP 55.5. Heading west from MP 45, the alternative follows the existing alignment across Kenai Lake. The Kenai Lake Bridge will be replaced. At Snug Harbor Road (MP 47.7), the alternative turns south and climbs the hillside for approximately 1 mi with maximum grades of 4-6%. It then follows the existing topography for 1.3 mi reaching an elevation of 700 ft. The alternative descends at a 6% grade for 0.3 mi as it approaches Cooper Creek Canyon and then crosses the canyon with a 650 ft bridge. From the bridge, it climbs to a maximum elevation of 750 ft and then traverses the hillside at grades of 2-5%. The alternative descends at a 7% grade for 1 mi as it approaches the Russian River, and then crosses the river with a 1200 ft bridge. It parallels the power line to its crossing of the Kenai River. The alternative rejoins the existing corridor just west of Sportsman's Point (MP 55.5).

New Construction

- ✘ 8 miles of new alignment
- ✘ 1 new bridge crossing the Kenai River
- ✘ 1 new bridge crossing the Russian River
- ✘ 1 new bridge crossing Cooper Creek
- ✘ 1 bridge replacement (Cooper Landing)

Project Costs

- ✘ New Construction: \$70-\$80 million
- ✘ Bridges Cost: \$47 million
- ✘ Annual System Maintenance: \$108,100
- ✘ Existing Road Bridge Replacement Costs: To be determined.

Changes to Existing Alignment

- ✘ The existing alignment would become a state-maintained local road.

- ✘ The new alignment would be signed as a truck route, and the borough would be encouraged to adopt a formal truck route ordinance, making through truck traffic on the existing alignment an illegal and a citable offense.
- ✘ Signage would be placed on new route informing motorists of services available in Cooper Landing and distance to next services.

Effects on Traffic

- ✘ Moves about 65% of traffic out of Cooper Landing community area (about 12,000 vehicles per day in 2020).
- ✘ Improves level of service (LOS) on the existing alignment to LOS B/C during peak season.
- ✘ New alignment will operate at LOS C in peak season.
- ✘ Provides additional capacity in an otherwise congested corridor for the length of new highway.
- ✘ Passing lanes will be incorporated into the design of the facility throughout project area.

What have we heard? Issues, Opportunities & Constraints

- ✘ Crosses Shakleford Creek, Powerline Trail, Cooper Lake Trail, and Stetson Creek Trail
- ✘ Possible visual impact of bridge across Cooper Creek Canyon
- ✘ Possible noise impact to upper Cooper Creek Campground
- ✘ Crosses Russian Lakes Trail
- ✘ Possible impact to Russian River Campground
- ✘ Possible visual impacts of bridge over Russian River
- ✘ Possible spur and parking facility to Russian River confluence
- ✘ Private property impacts south of Cooper Landing
- ✘ Cultural resources impacts
- ✘ Impact to habitat
- ✘ Moves through traffic/freight away from town/river
- ✘ Minimal construction disruption to traffic during peak season