



### General Description and Key Features

This alternative generally follows the existing corridor with improvements to reduce the horizontal and vertical curves and improve sight distances, but deviates from the existing roadway in a 2 mi. section west of Cooper Landing. Heading east from MP 45, the alternative follows the existing roadway and crosses Kenai Lake on new bridge that replaces the existing bridge. It continues along the existing corridor to MP 49 where it heads directly west to cross to the north side of the Kenai River. It then crosses back to the south side of the Kenai river at MP 49.6 and rejoins the existing alignment for 0.5 mi before crossing to the north side of the Kenai River again and then crossing Juneau Creek. The alternative crosses to the south side of the Kenai River near MP 51.5 (0.5 mi east of Gwin's Lodge). The alternative generally follows the remainder of the existing corridor. The bridge at Schooner Bend would be replaced.

### New Construction

- ✍ 1.5 miles of new alignment
- ✍ 4 new bridges crossing the Kenai River
- ✍ 1 new bridge crossing Juneau Creek
- ✍ 2 bridge replacements (Schooner Bend and Cooper Landing)

### Project Costs

- ✍ New Construction: \$45-\$55 million
- ✍ Bridge Cost: \$22.8 million
- ✍ Annual System Maintenance: \$70,500
- ✍ Existing Road Bridge Replacement Cost: To be determined

### Changes to Existing Alignment

- ✍ Reduces curvature of road and widens it with 12-foot lanes and 8-foot shoulders.
- ✍ Approach curves at Cooper Landing would be flattened.

### Effects on Traffic

- ✍ Changing alignment may require some parcels to access new highway from old roadway in realigned areas.
- ✍ Existing alignment through Cooper Landing may require a 3 or 4-lane segment.
- ✍ Due to the increased roadway width additional right-of-way will be needed for construction.
- ✍ Passing lanes will be incorporated into the design throughout the project area.
- ✍ Traffic flow can be improved significantly, through the project area, over existing condition but may not add additional capacity.
- ✍ The highway will experience level of service E during seasonal peak hours by the forecast year of 2022.

### What have we heard? Issues, Opportunities & Constraints

- ✍ New bridges over river will be visible from the river and the riverbank.
- ✍ Impacts to the Kenai River for bridge construction.
- ✍ All traffic is routed through town/along river.
- ✍ Possible private property impacts along existing highway due to widening.
- ✍ Construction disruption to traffic during peak season.
- ✍ Possible cultural resources impacts.