

Project Nomination Package

NEED ID # 26113
Project Name: KPB: Kalifornsky Beach Road MP16-22.2, Paving Rehab & Signalization, Sterling Hwy to Bridge Access Rd
Project Type: URBAN AND RURAL **Region:** C
Sponsor: **Sponsor Contact:**
Sponsor's Priority: **Phone:**
Location: Soldotna **HPEB Date:** 2/8/2011
Borough: Kenai Peninsula Borough

Description: Repave approximately 6.2 miles of K-Beach Road. Additional work will include signalization of Gaswell/K-Beach intersection and plumbing for a signal at Ciechanski/K-Beach intersection. Deferred maintenance funds in 2011 will be used to pre-level the road.

Justification: K-Beach is a heavily traveled road with annual daily traffic exceeding 10,000 vehicles. Pavement rehabilitation is needed to increase the life of the road and help meet the needs of a growing population. Signalization work at Gaswell intersection will help to mitigate traffic congestion. Plumbing for a signal at the Ciechanski intersection will prepare for future traffic control signalization and reduction of sidestreet delay and safety risks.

	Project Cost	Sponsors Contribution
Phase 2:	\$840,000	
Phase 3:	\$30,000	
Phase 4:	\$4,810,000	\$1,500,000
Phase 7:	\$110,000	
Total Cost:	\$5,790,000	\$1,500,000

1	2	3	4	5	6	7	8	9	10	11	12	13
4	7	9	7	5	9	7	8	9	9	4	8	0

Total Region Score: 355

- 1. Economic Benefit:** This project provides improved access to an industrial or commercial development. K-Beach is an important alternate route between Soldotna and Kenai. This road is called out in the AKDNR Kenai Area plan as being one of the key roads providing access in the Kenai Area. Dip netting and fishing, both recreational and subsistence, in this area are supported by this road as it provides access to important beach locations. Centennial Campground/boat launch and Slikok Creek State Recreational Site are accessed by K-Beach Road.[4]
- 2. Health and Quality of Life:** The project provides a moderate contribution to health and quality of life. It will reduce the existing negative factors related to poor pavement conditions and improve traffic flow.[7]
- 3. Safety:** This project addresses strategies included in the Strategic Highway Safety Plan since it is based on explicit consideration of safety in DOT&PF highway design (SHSP strategy HG.3). It also applies strategy HG.1, preserving Alaska's main road corridors. The Gaswell Road intersection currently meets multiple warrants for a traffic signal based on traffic volumes, while the Ciechanski Road intersection (which is to be plumbed for a signal) also meets a warrant. Currently combined intersection volumes at the Gaswell Road intersection are approximately 20,000 AADT and approximately 14,000 AADT at the Ciechanski Road Intersection.[9]
- 4. Improves Intermodal Transportation:** This project will improve the connection between Soldotna and Kenai, where recreational boat launches, beach access, a fish cannery, and a few fish buying stations exist. The cannery and buying stations are accessed by both segments of Kalifornsky Beach Road en route to processing plants in Kenai.[7]
- 5. Local Capital Contribution:** The Governor's 2011 capital budget request for deferred maintenance includes \$1,500.0 for K-Beach Road. M&O intends to use these funds to pre-level the road to address the ruts. The federal money and project would then pave the entire road. This amounts to a 21% contribution ($\$5,790.0 + \$1,500.0 = \$7,290.0$; $\$1500.0/\$7,290.0 = 21\%$).[5]
- 6. M&O Priority:** This is a very high M&O priority for Central Region.[9]
- 7. Public Support:** The Statewide Long Range Transportation Policy Plan provides specific guidance (Policy #3 and Action 2.3) to the Department regarding the need for preservation of the state's existing road network. Kalifornsky Beach Road is an important regional link and of interest to the state.[7]
- 8. Environmental Approval:** A Categorical Exclusion is likely for this project.[8]
- 9. Surface Rehabilitation:** This project is primarily a surface refurbishment with a recommendation for rehabilitation within 2 years by PMS. The PMS data shows the remaining service life at 0 years.[9]
- 10. Cost Effectiveness:** AADT 13,410. Cost \$5,790.0. Length is 6.2 miles. ($\$5,790.0/6.2/13,410 = .07$)[9]
- 11. Deficient Bridges:** No deficient bridges on this road.[4]
- 12. Functional Class:** Minor Arterial.[8]
- 13. Other Factors:** When the Kenai River bridge was reconstructed (a 3-year construction project), the Kalifornsky Beach Road was the only surface access between Kenai and Soldotna. It serves as a bypass to the Sterling Highway and is a critical link for this area, which is expected to continue growing. The University of Alaska Anchorage Kenai campus, AKDF&G, Department of Fish and Wildlife Protection, and Cook Inlet Academy are accessed by K-Beach Road. Project is structured in such a way to take innovative advantage of coordinating State M&O funds and federal STIP funds to provide substantial benefit at significantly reduced cost.[0]

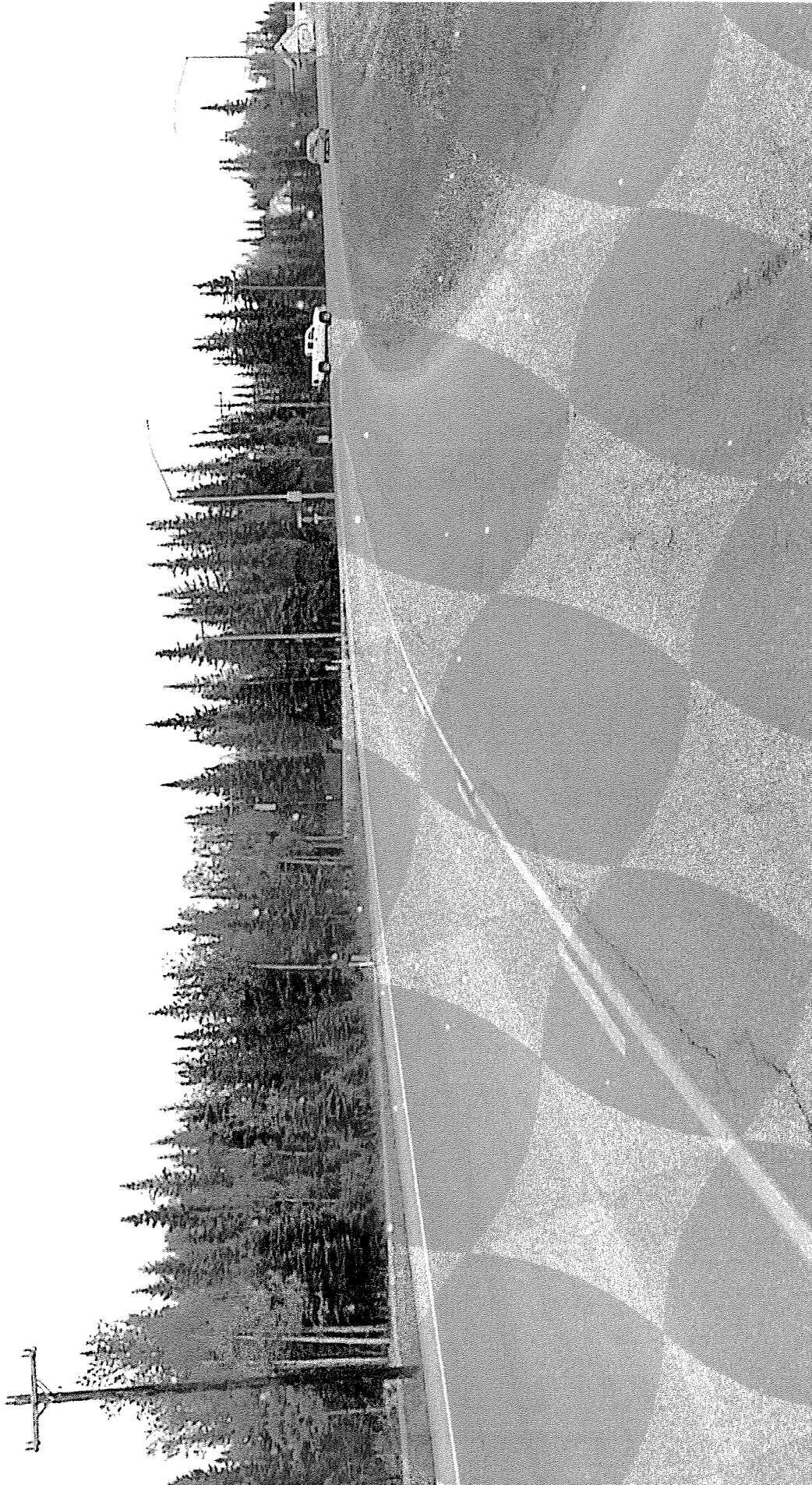


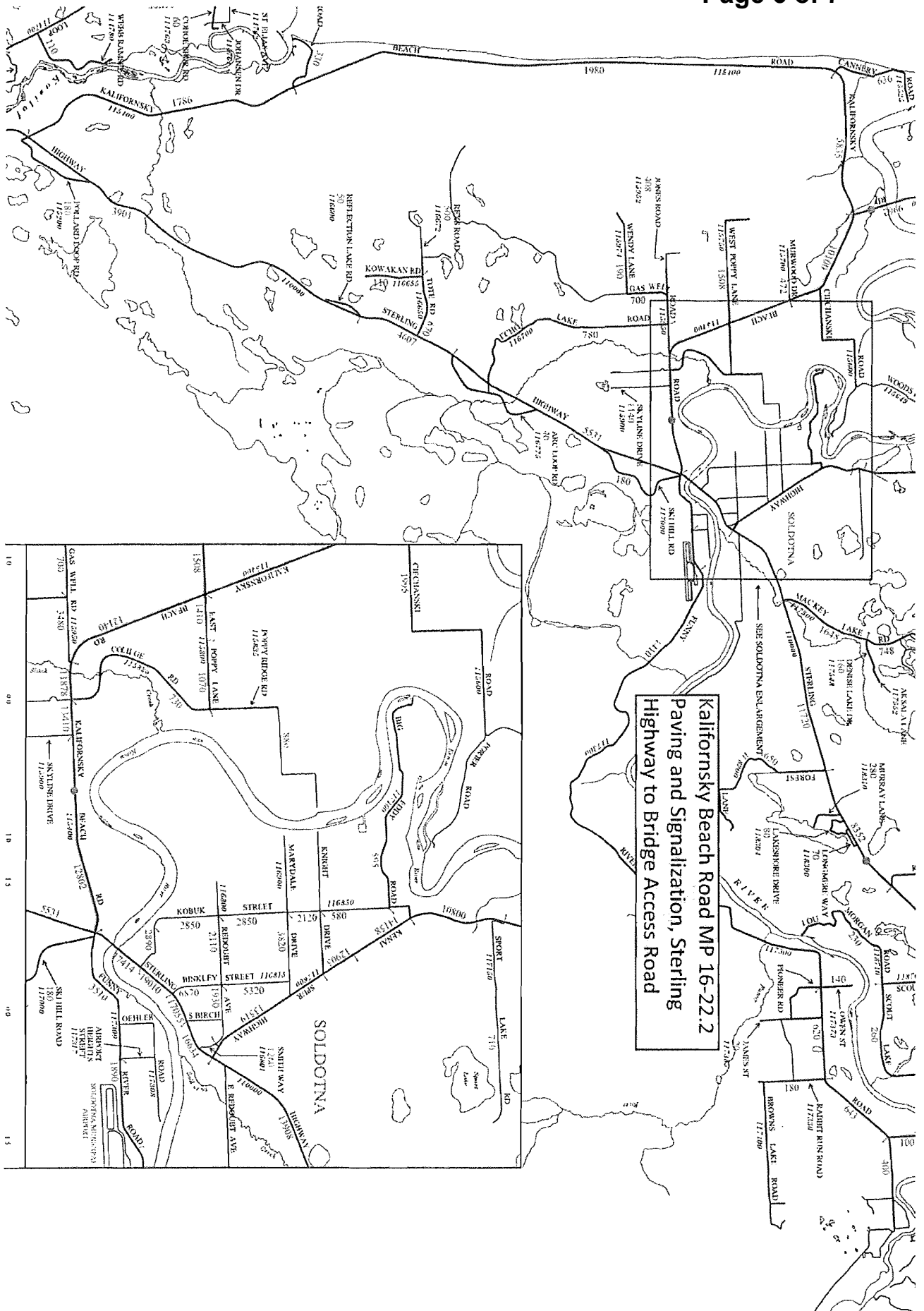
Kalifornksy Beach Road MP16-22.2

Images provided by Quickbird
Data provided by DOT&PF Pavement Management
Map created by AKDOT&PF: Planning 1/27/2011









Planning Estimate
Scope, Schedule and Estimate Confirmation

Project Name: Kenai Peninsula Borough: Kalifornsky Beach Road MP 16-22.2 Pavement Rehabilitation and Signalization

Project Nomination Scope:

<i>Project Nomination Estimate:</i>	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Total
Preliminary Engineering							
Utilities							
Right-of-Way							
Construction							
Total (1000s)							

Scope: Rehabilitate existing Kalifornsky Beach Road from MP 16-22.2. Install signal at Gaswell intersection. Plumb for signalization at Ciechanski Road intersection.

<i>Project Costs:</i>	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Total
Preliminary Engineering	\$504	\$336					\$840
Utilities					\$110		\$110
Right-of-Way			\$30				\$30
Construction					\$4,810		\$4,810
Total (1000s)	\$504	\$336	\$30		\$4,920		\$5,790

Environmental Considerations:

Type of Document Anticipated: PCE CE EA ES

4(f) Involvement: Yes No If project is within existing ROW no 4(f) issue.

Time to prepare Environmental Document: 1 year. CE assignable to the state under 6004.

Permits Required: If project involves work within streams or navigable waters there may be potential Fish & Game Title 16, USACE Corp. Alaska Coastal Consistency review, or Flood Plain permits.

Right of Way Considerations:

Utility Considerations:



Scope, Schedule & Estimate prepared by: Mary Ann Paulson

1/31/11

Date

Scope, Schedule & Estimate approved by:

[Signature]
Preconstruction Engineer

1-31-11

Date