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YEAR COMPLETED
2006

GLENN HIGHWAY: HICKS CREEK SURVEY

Anchorage, Alaska

USKH provided all professional surveying services for the Glenn Highway MP 92-97 Rehabilitation, Hicks Creek Project. This project was the next segment in a series of planned improvements for the highway between MP 35 and MP 109 under the Statewide Transportation Improvement Plan (STIP). The primary goal of the Glenn Highway MP 92-97 Rehabilitation project was to develop and deliver a Glenn Highway project that improved the safety and capacity, maintains the route consistency from previous projects and permits the continuation of future improvement projects planned for the Glenn Highway.

USKH utilized GPS and conventional surveying methods to conduct a 60 meter wide topographic survey along the proposed 8.7 kilometer alignment. Photo ID points were also located and tied in horizontally and vertically to the previously established DOT&PF project control. These Photo ID points were then used by Kodiak Mapping Inc. (KMI) to map the project corridor from 30 meters to 125 meters left and right of the proposed alignment. Additional ground points were also located and used to verify all the topographic mapping prepared by KMI. All property corners and section corners on both sides of the corridor were located during the ROW survey and used in the ROW Base Map development. The ROW Base maps were prepared using meter units and then later decided by the contracting agency to convert to US survey feet units, which the ROW Maps were then based on. Even though there was much new ROW acquired for the new highway alignment, USKH prepared only 7 Parcel plats for the private land holdings along the route.

Despite the rugged terrain and challenging situations for the survey crew, USKH was still able to complete the task on time and under budget.



1. The newly re-constructed Glenn Highway at Milepost 95 - Fall 2009
2. The newly constructed re-route of the Glenn Highway at Hicks Creek - Fall 2009