



Engineering Department
155 South Seward Street
Juneau, Alaska 99801
Telephone: 586-0800 Facsimile: 463-2606

TO: Bob Doll, Chair
Public Works and Facility Committee

DATE: January 25, 2011

FROM: John Bohan, PE, Chief CIP Engineer
Engineering Department

RE: Lemon Creek Pedestrian Bridge – Anka St to Davis Ave - Cost Estimate

The potential connection of Anka Street and Davis Avenue with a pedestrian bridge was analyzed for providing CBJ Capital Transit Bus service to the Anka Street area, Home Depot and Costco. Only one location provides a direct, centralized connection to Davis Avenue without significant impact to private property. Estimated project costs are between \$1.5 million and \$2 million and do not include property purchase / settlement costs for more than an easement for the bridge and associated sidewalk.

Location Selection / Site Constraints:

After review of the site constraints and the available properties along Anka St and Davis Avenue for the potential locations to site a centralized pedestrian bridge, one location appears feasible to tie the two streets together. This location is shown on Figure 1. The benefits of the location are listed below:

- Fairly centralized location along Davis Avenue
- Selected alignment is within a current CBJ drainage easement from Anka Street on the common property line along the adjoining properties.
- Selected alignment crosses Lemon Creek at a narrower area than others along Anka St., reducing impacts to the creek and minimizing bridge costs.
- Alignment is the only reasonable location to connect to Davis Avenue without significantly impacting fully developed properties along Anka Street or the Riveredge Condo's and still meet at a central location along Davis Avenue.
- Only 5 or 6 vacant lots remain along Anka Street fronting Lemon Creek. (all adjacent to Riveredge Condo's)
- Figure 1 is attached – showing the selected location.

Project Cost: ~\$1.7 million

Analysis of selected site yielded an estimated cost in the \$1.5 million to \$2.0 million range depending on the actual price for acquiring a full easement through the private properties, required permitting / mitigation, pathway construction and bridge type. Factors used to determine the costs include:

- JNU runway safety area expansion utilized a 140' galvanized steel pedestrian bridge for ~\$600k.
- Bridge span for this site could range from 140' to 190' depending on permitting requirements
- Drainage easement across private property didn't preclude property owners from utilizing their property, only prohibited buildings on the property. Purchase of permanent access easement required for sidewalk and bridge.
- Fencing would be required to separate sidewalk from industrial activities along both sides of sidewalk to bridge.
- Approximately 650 feet of sidewalk will be required to connect to existing sidewalk at Anka St./ Commercial Blvd intersection and at Davis Ave.
- Costs do not include purchase / settlement of potential mining claims in Lemon Creek.