

# All Proposed Birchwood Capital Projects

## Project Management and Engineering

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1

### Improvement design for Terrace Lane

Cost: \$0

Funds on Hand: \$0

Additional funds required: \$0

Need: This project needs a traffic study conducted during the school year, a traffic projection that accounts for anticipated development on Eklutna land west of Terrace Lane, and an improvement design for Terrace Lane, its intersection with Eklutna Park Drive,

Project scope: A improvement design for Terrace Lane, its intersection with Eklutna Park Drive, and the adjacent Glenn Highway on- and off-ramps. Eklutna land west of Terrace Lane has grown significantly in the past 10 years, and is expected to reach approximately 1,560

Project Status: This need is pending review by MOA

2

### Chugiak Fire Truck Engine Refurbishment

Cost:

Funds on Hand: \$0

Additional funds required:

Need: The Chugiak Fire Stations are essential to this Community Council. Operational equipment is needed to provide this service.

Project scope: The Chugiak Fire Department needs additional funds to refurbish one of the fire engines.

Project Status: This need is pending review by MOA

3

### Chugiak Fire House Maintenance

Cost:

Funds on Hand: \$0

Additional funds required:

Need: Adequate funding is needed to provide fire service to the Community Council area.

Project scope: Funding is needed for the capital needs and upkeep of the 5 Chugiak Fire House Stations

Project Status: This need is pending review by MOA

4

### Eagle River Chugiak Road and Drainage System Rehab

Cost: \$30,000,000

Funds on Hand: \$0

Additional funds required: \$30,000,000

Need: Road and drainage needs exist throughout the service area.

Project scope: Construct road and drainage improvements.

Project status: The Chugiak, Birchwood, Eagle River Rural Road Service Area Board manages funding collected through property taxes for road and drainage improvements in their area. The local road board evaluates and prioritizes projects for funding. In addition, state grant funding is pursued annually.

5

### Birchwood-Chugiak-Eagle River Areawide Drainage Plan

Cost: \$500,000

Funds on Hand: \$0

Additional funds required: \$500,000

Need: Development in this region has produced a need for an areawide plan to handle future drainage needs. The last drainage plan was done in 1987.

Project scope: This project will do a comprehensive study of the storm water drainage in the Chugiak-Eagle River area and make drainage plan recommendations.

Project Status: No work is underway. State grant funding is proposed.

6

### Birchwood/Chugiak/Eagle River Areawide Subsurface Aquifer Study

Cost: \$500,000

Funds on Hand: \$0

Additional funds required: \$500,000

Need: A majority of the developed properties in Birchwood-Chugiak-Eagle River rely upon on-site water well and septic systems rather than public utilities. Little is known of the location of all subsurface aquifers that serve these rural properties. Proper planning requires identification of the aquifers. Insufficient information can

produce negative impacts on the health and the environment as well as to the pocketbook. This study is included in the Chugiak-Eagle River Comprehensive Plan.

Project scope: This project will do a comprehensive study of the subsurface aquifers in the Birchwood-Chugiak-Eagle River area.

Project Status: No work is underway. State grant funding is proposed.

7

## Eagle River Area Snow Disposal Site

Cost: \$3,000,000

Funds on Hand: \$0

Additional funds required: \$3,000,000

Need: The population growth and corresponding development in the Eagle River valley has produced a need for increased snow storage capacity. Using existing facilities is increasingly expensive as the trips made by dump trucks are greater and further.

Project scope: This project will construct a snow disposal facility serving the Chugiak, Birchwood, Eagle River Rural Road Service Area (CBERRRSA).

Project Status: No work is underway. State grant funding is proposed.

8

## Peters Creek Starner St Bridge Replacement

Cost: \$4,000,000

Funds on Hand: \$0

Additional funds required: \$4,000,000

Need: The existing bridge is old with wooden planks.

Project scope: Replace the existing structure.

Project Status: The project has not started. State grant funding is proposed.

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## State of Alaska

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1

## Freeway On-Ramp Merge Upgrades (Corridor-Wide)

Cost:

Funds on Hand: \$0

Additional funds required:

Need: According to the public involvement summary, Eagle River/Artillery Road interchange has the most congestion and received the highest number of ramp upgrade suggestions out of all the interchanges along the corridor. South Peters Creek southbound on-ramp, Eagle River/Highland Road southbound on-ramp, Fort Richardson/JBER ramps, and Muldoon Road ramps were also identified by the public as needing improvements. In addition to lengthening the acceleration portion of the ramps, consideration should be given to building the ramps so that traffic can run on them in the contraflow direction, allowing greater flexibility in rerouting traffic during lane closures.

Project scope: Existing freeway on-ramps along the Glenn Highway were designed as tapered merge ramps. This type of merge ramp works well under lower traffic volumes. However, as traffic volumes increase to near capacity, gaps decrease, and merging becomes more difficult. Merging difficulty, especially at higher volume interchanges, is a common problem for the Glenn Highway. In order to ease merging conditions, this project proposes extending the on-ramps from tapered merge ramps to parallel entrance ramps, as shown in Figure 1. Parallel ramps would allow merging traffic time to accelerate to speeds similar to the highway traffic and position their vehicle in a gap before attempting a merge. In the project area, the following 11 interchanges, totaling about five lane miles of road work, would benefit from ramp upgrades. • Fort Richardson/ JBER Interchange (both on-ramps) • Eagle River Loop/Hiland Interchange (both on-ramps) • Eagle River/Artillery Interchange (southbound on-ramp) • N. Eagle River Interchange (southbound on-ramp) • S. Birchwood Interchange (both on-ramps) • N. Birchwood Interchange (both on-ramps) • S. Peters Creek Interchange (both on-ramps) • N. Peters Creek Interchange (both on-ramps) • Mirror Lake Interchange (southbound on-ramp) • Eklutna Interchange (both onramps) • Old Glenn Interchange (southbound on-ramp)

Project Status: This need is pending review by MOA

2

## Terrace Lane Upgrade

Cost: \$15,000,000

Funds on Hand: \$0

Additional funds required: \$15,000,000

Need: This project needs a traffic study conducted during the school year, a traffic projection that accounts for anticipated development on Eklutna land west of Terrace Lane, and an improvement design for Terrace Lane, its intersection with Eklutna Park Drive, and the adjacent Glenn Highway on- and off-ramps. Eklutna land west of Terrace Lane has grown significantly in the past 10 years, and is expected to reach approximately 1,560 single-family homes with a new school site and a 6.5-acre commercial/retail development.

Project scope: Upgrade Terrace Lane to accommodate growth and improve the connections with the Glenn Highway. Additional lanes, traffic signals, trails, and street lighting will all be evaluated.

Project Status: The project has not started. Terrace Lane and its connections to the Glenn Highway are state-owned roads. As such, evaluation and prioritization of the project will be made by the State of Alaska DOT.

3

## North Eagle River Terrace Lane Intersection

Cost:

Funds on Hand: \$0

Additional funds required:

Need: Terrace Ln and the intersection cannot safely handle the additional traffic without substantial mitigation.

Project scope: Terrace Lane itself and the intersection with Eklutna Drive West need an updated traffic impact analysis study that is conducted during the school year for Chugiak High School in order to adequately account for increased traffic due to development of Eklutna Inc. lands along Terrace Ln.

Project Status: This need is pending review by MOA

## Chugiak High School Access Improvements (South Birchwood Loop Rd)

Cost: \$0

Funds on Hand: \$0

Additional funds required: \$0

Need: No clear purpose and need have been communicated.

Project scope: No clear scope has been suggested.

Project Status: No work is underway. This is a state owned facility and prioritization and funding would be through the State of Alaska.

5

## North Birchwood Loop Rd/Birchwood Spur Rd Surface Rehabilitation

Cost: \$4,000,000

Funds on Hand: \$0

Additional funds required: \$4,000,000

Need: This road has never been constructed to standards. This project is a priority for the Birchwood Community Council.

Project scope: This project will re-surface the existing roadway, rehabilitate the drainage ditches and shoulders, replacing culverts as needed, and replacing/installing guardrail as needed.

Project Status: No work is underway or scheduled in the six-year Capital Improvement Program. This is a state-owned facility and evaluation and funding would be by the State of Alaska. The route is identified as an arterial in the Official Streets and Highways Plan.

6

## South Birchwood Loop Rd Pavement Rehab

Cost: \$8,000,000

Funds on Hand: \$0

Additional funds required: \$8,000,000

Need: The pavement on this collector is beginning to deteriorate.

Project scope: Replace the existing surface with new layers of asphalt.

Project Status: No work is underway or scheduled in the six-year Capital Improvement Program. This is a state-owned facility and evaluation and funding would be by the State of Alaska. The route is designated as a collector in the Official Streets and Highways Plan (OS&HP).

7

## South Birchwood Loop Trail - Glenn Hwy to Birchtree St

Cost: \$2,000,000

Funds on Hand: \$0

Additional funds required: \$2,000,000

Need: No trail exists. South Birchwood Loop is designated as a collector route in the OS&HP. This project is included in the Anchorage Pedestrian Plan.

Project scope: This project would construct a trail with a hardened natural organic surface.

Project Status: No work is currently scheduled in the 6-year Capital Improvement Program. However, this is a state owned facility and prioritization and funding would be through the State of Alaska.

8

## Glenn Highway Asphalt Repair

Cost:

Funds on Hand: \$0

Additional funds required:

Need: Many of the Community members commute into Anchorage for work and the ruts in the pavement are dangerous.

Project scope: The Glenn Highway is in very bad condition. The asphalt needs to be repaired in a manner that lasts more than one season.

Project Status: This need is pending review by MOA

9

## Southbound Glenn Highway Bridge and Highway over Eagle River

Cost:

Funds on Hand: \$0

Additional funds required:

Need: Commuter traffic in the morning into Anchorage is dismal. Mitigation is needed as soon as possible.

Project scope: Build the southbound highway and bridge over Eagle River in comparable scope to the north bound bridge and highway

Project Status: This need is pending review by MOA

10

## South Bound Glenn Highway Bridge over Eagle River

Cost: \$40,000,000

Funds on Hand: \$0

Additional funds required: \$40,000,000

Need: The Northbound bridge has been completed. It is now time to do the South bound bridge as funding becomes available.

Project scope:

Project Status: The project has not started. Because the Glenn Highway is a state-owned road, evaluation and prioritization of this project will be done by the Alaska DOT.

## Parks and Recreation

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1

### Cemeteries for Eagle River and Girdwood

Cost: \$0

Funds on Hand: \$0

Additional funds required: \$0

Need: HLB and Parks and Recreation review their holdings for land appropriate for a cemetery; and that the municipality proceed with the process for creating public cemeteries in the two communities.

Project scope: Currently neither Girdwood nor the Eagle River/ Chugiak area have any public cemeteries. As both of these areas are growing communities, we would like to request that HLB and Parks and Recreation review their holdings for land appropriate for a cemetery;

Project Status: This need is pending review by MOA

2

### Forest Health and Park Safety

Cost: \$200,000

Funds on Hand: \$0

Additional funds required: \$200,000

Need: In September of 2012 more than 5000 trees were lost during a windstorm. Initial assessments estimate clean-up to be over 1 million dollars. The Anchorage Urban Forester's plan to address the damage include a mix of volunteer clean-up, commercial sales and contracted clean-up. Currently, park assets are safe for park and trail users, however as conditions change, follow-up risk assessment and clean-up is required.

Project scope: Funds will be used to conduct a follow-up risk assessment, develop a recommended strategy for species management (cottonwood, evergreen, birch), finalize a tree emergency plan and continue the clearing of hazard trees on parkland from the 2012 windstorm.

Project Status: Park Maintenance and horticulture crews have cleared parks and trails making current park assets safe for Anchorage citizens.

3

### Community Garden Site Selection and Design and Management Standards.

Cost: \$50,000

Funds on Hand: \$0

Additional funds required: \$50,000

Need: The public demand for plots in MOA Community Gardens far exceeds the current availability. New community gardens have been identified in a number of newly completed park master plans. Funding will be used to develop new community gardens.

Project scope: Identify appropriate parks in the Anchorage Bowl where community garden development is appropriate. Create design and management guidelines to assist the department in building and maintaining community gardens.

Project Status: The department currently manages community gardens at The Gardens @ Bragaw, C Street Gardens, Fairview Lions and McPhee Gardens