

Bridge Repair and Upgrade**FY2009 Request: \$-350,400****Reference No: 45758****AP/AL:** Appropriation**Project Type:** Construction**Category:** Transportation**Location:** City and Borough of Juneau**Contact:** Frank Richards**House District:** Juneau Areawide (HD 3-4)**Contact Phone:** (907)465-3900**Estimated Project Dates:** 04/19/2009 - 06/30/2012**Brief Summary and Statement of Need:**

This amends the fund sources of an existing FY2009 project, reducing FY2009 general funds for the project. A \$350,400 reappropriation of Alaska Housing Finance Corporation Dividends has been requested for this project to offset this reduction. This project provides the non-federal match needed to repair the Basin Road trestle bridge. This project contributes to the Department's Mission by reducing injuries, fatalities and property damage and by improving the mobility of people and goods.

Funding:	<u>FY2009</u>	<u>FY2010</u>	<u>FY2011</u>	<u>FY2012</u>	<u>FY2013</u>	<u>FY2014</u>	<u>Total</u>
Gen Fund	\$-350,400						\$-350,400
Total:	\$-350,400	\$0	\$0	\$0	\$0	\$0	\$-350,400

<input type="checkbox"/> State Match Required	<input checked="" type="checkbox"/> One-Time Project	<input type="checkbox"/> Phased - new	<input type="checkbox"/> Phased - underway	<input type="checkbox"/> On-Going
0% = Minimum State Match % Required		<input type="checkbox"/> Amendment	<input type="checkbox"/> Mental Health Bill	

Operating & Maintenance Costs:

	<u>Amount</u>	<u>Staff</u>
Project Development:	0	0
Ongoing Operating:	0	0
One-Time Startup:	0	
Totals:	0	0

Additional Information / Prior Funding History:

FY2009 - \$400,000

Project Description/Justification:

This project provides the non-federal match needed to repair the Basin Road trestle bridge. A recent bridge assessment reflects significant deterioration and a need for weight restrictions on this roadway, which provides the only surface access to one of the Capital City's primary drinking water collection sites. In the event of major maintenance needs at this drinking water site, heavy equipment access across the Basin Road trestle bridge is essential.

This project is included in the current STIP major amendment using federal formula bridge funds, not earmark dollars. The Department of Transportation and Public Facilities' Southeast Region staff estimates the project can bid before the beginning of the coming federal fiscal year, thus avoiding the 'time trap' that would disqualify the project for federal funding.

The City and Borough of Juneau recognized the importance of this repair, putting \$30,000 into initial assessment work. In addition to providing access to the drinking water system, the bridge is heavily used by recreationists accessing Perseverance Trail, and by tourism businesses bringing visitors to the historic mine sites accessible only over this bridge.

Emergency and Non-Routine Repairs**FY2009 Request: \$1,700,000****Reference No: AMD 30634****AP/AL:** Appropriation**Project Type:** Health and Safety**Category:** Transportation**Location:** Statewide**Contact:** Frank Richards**House District:** Statewide (HD 1-40)**Contact Phone:** (907)465-3900**Estimated Project Dates:** 04/19/2009 - 06/30/2011**Brief Summary and Statement of Need:**

This is a new supplemental request. Supplemental funding for emergency and non-routine expenditures associated with the hillside slide at Mile 5, North Tongass Highway in Ketchikan. This project contributes to the Department's Mission by reducing injuries, fatalities and property damage and by improving the mobility of people and goods.

Funding:	<u>FY2009</u>	<u>FY2010</u>	<u>FY2011</u>	<u>FY2012</u>	<u>FY2013</u>	<u>FY2014</u>	<u>Total</u>
Gen Fund	\$1,700,000						\$1,700,000
Total:	\$1,700,000	\$0	\$0	\$0	\$0	\$0	\$1,700,000

<input type="checkbox"/> State Match Required	<input type="checkbox"/> One-Time Project	<input type="checkbox"/> Phased - new	<input type="checkbox"/> Phased - underway	<input checked="" type="checkbox"/> On-Going
0% = Minimum State Match % Required		<input checked="" type="checkbox"/> Amendment	<input type="checkbox"/> Mental Health Bill	

Operating & Maintenance Costs:

	<u>Amount</u>	<u>Staff</u>
Project Development:	0	0
Ongoing Operating:	0	0
One-Time Startup:	0	0
Totals:	0	0

Additional Information / Prior Funding History:

FY2007 - \$463,200; FY2005 Supplemental - \$573,400; FY2003 - \$700,000; FY2002 - \$600,000; FY2001 - \$600,000; FY2000 - \$600,000; FY1999 - \$500,000.

Project Description/Justification:

On February 10, 2009, a portion of the hillside slid into the roadway at Mile 5. The department responded immediately to the incident with maintenance staff and equipment, as well as additional equipment from a local contractor. Local traffic was allowed to pass in approximately four hours.

Preliminary geotechnical investigations indicate the slide area is unstable and needs to be remedied immediately. There are two viable solutions: either to stabilize the slope (costly and not immediately executable) or lay back the slope. The road right of way is cut out of the hillside bedrock leaving a very steep rock cut or cliff. The rock along North and South Tongass Highways right of way is very fractured and is fractured toward the road, so when it breaks loose it falls towards the roadway.

This funding request will allow the recommended action to lay back the slope, since quick action is required to protect adjacent homeowners and the traveling public. This will require the acquisition of one, two, or possibly three homes. At this time one house has been tagged as "unsafe for occupancy" by city building officials. An adjacent house is also possibly threatened but has not been tagged and is still occupied, as is a third adjacent property. The initial estimate for this action is \$1,700,000. Of that amount \$130,000 is for design and environmental, \$785,000 is for right of way, \$735,000 is for construction and \$50,000 is for utilities.

Ketchikan: Airport Ferry M/V Bob Ellis Replacement**FY2009 Request: \$4,250,000****Reference No: AMD 43314****AP/AL:** Appropriation**Project Type:** Construction**Category:** Transportation**Location:** Ketchikan**Contact:** Frank Richards**House District:** Ketchikan (HD 1)**Contact Phone:** (907)465-3900**Estimated Project Dates:** 04/19/2009 - 06/30/2014**Brief Summary and Statement of Need:**

This is a new FY09 supplemental request. Construct a new airport ferryboat to replace the M/V Bob Ellis. This project contributes to the Department's Mission by reducing injuries, fatalities and property damage and by improving the mobility of people and goods.

Funding:	<u>FY2009</u>	<u>FY2010</u>	<u>FY2011</u>	<u>FY2012</u>	<u>FY2013</u>	<u>FY2014</u>	<u>Total</u>
AK Cap Inc	\$4,250,000						\$4,250,000
Total:	\$4,250,000	\$0	\$0	\$0	\$0	\$0	\$4,250,000

<input type="checkbox"/> State Match Required	<input checked="" type="checkbox"/> One-Time Project	<input type="checkbox"/> Phased - new	<input type="checkbox"/> Phased - underway	<input type="checkbox"/> On-Going
0% = Minimum State Match % Required		<input checked="" type="checkbox"/> Amendment	<input type="checkbox"/> Mental Health Bill	

Operating & Maintenance Costs:

	<u>Amount</u>	<u>Staff</u>
Project Development:	0	0
Ongoing Operating:	0	0
One-Time Startup:	0	
Totals:	0	0

Additional Information / Prior Funding History:

FY2008 - \$5,750,000 AK Capital Inc funds.

Project Description/Justification:

The existing airport ferry M/V Bob Ellis has reached the end of its useful service life and will not pass future Coast Guard inspections without major maintenance investment, which could exceed the cost of a new ferryboat. The Ketchikan International Airport requires a second ferryboat to ensure reliability of service when the other ferry is in overhaul or out of service. The airport also requires a second ferryboat to cover peak summer traffic demand to the airport.

Advertising of this project is estimated to take place in May, 2009.

Airport Improvement Program

FY2009 Request: \$84,790,000

Reference No: 7470

AP/AL: Appropriation with Allocations

Project Type: Construction

Category: Transportation

Location: Statewide

Contact: Christine Klein

House District: Statewide (HD 1-40)

Contact Phone: (907)269-0724

Estimated Project Dates: 04/19/2009 - 06/30/2014

Brief Summary and Statement of Need:

Federal airport improvements as outlined in the Airport Improvement Program and the International Airports Program. This project contributes to the Department's Mission by improving the mobility of people and goods, reducing injuries, fatalities and property damage, and by increasing private investment.

Funding:	<u>FY2009</u>	<u>FY2010</u>	<u>FY2011</u>	<u>FY2012</u>	<u>FY2013</u>	<u>FY2014</u>	<u>Total</u>
Fed Rcpts	\$78,877,500						\$78,877,500
Int Airprt	\$5,000,000						\$5,000,000
IntAptCons	\$912,500						\$912,500
Total:	\$84,790,000	\$0	\$0	\$0	\$0	\$0	\$84,790,000

<input checked="" type="checkbox"/> State Match Required	<input type="checkbox"/> One-Time Project	<input type="checkbox"/> Phased - new	<input type="checkbox"/> Phased - underway	<input checked="" type="checkbox"/> On-Going
5% = Minimum State Match % Required		<input type="checkbox"/> Amendment	<input type="checkbox"/> Mental Health Bill	

Operating & Maintenance Costs:

	<u>Amount</u>	<u>Staff</u>
Project Development:	0	0
Ongoing Operating:	0	0
One-Time Startup:	0	
Totals:	0	0

Additional Information / Prior Funding History:

N/A

Alaska International Airport System: Development Fund

FY2009 Request: \$5,000,000

Reference No: AMD 38425

AP/AL: Allocation

Project Type: Construction

Category: Transportation

Location: Statewide

Contact: Christine Klein

House District: Statewide (HD 1-40)

Contact Phone: (907)269-0724

Estimated Project Dates: 04/19/2009 - 06/30/2014

Appropriation: Airport Improvement Program

Brief Summary and Statement of Need:

This is a new FY09 supplemental request. Funds may be used for design and construction of both exclusive-use and common-use Alaska International Airport System (AIAS) projects. These funds may also be used for debt service payments on airport construction bonds issued by AIAS. The funds allow for timely response to airport development needs and are required by the operating agreement in place between signatory air carriers and DOTPF/AIAS. This project contributes to the Department's Mission by reducing injuries, fatalities and property damage and by improving the mobility of people and goods.

Funding:	<u>FY2009</u>	<u>FY2010</u>	<u>FY2011</u>	<u>FY2012</u>	<u>FY2013</u>	<u>FY2014</u>	<u>Total</u>
Int Airprt	\$5,000,000						\$5,000,000
Total:	\$5,000,000	\$0	\$0	\$0	\$0	\$0	\$5,000,000

<input type="checkbox"/> State Match Required	<input type="checkbox"/> One-Time Project	<input type="checkbox"/> Phased - new	<input type="checkbox"/> Phased - underway	<input checked="" type="checkbox"/> On-Going
0% = Minimum State Match % Required		<input checked="" type="checkbox"/> Amendment	<input type="checkbox"/> Mental Health Bill	

Operating & Maintenance Costs:

	<u>Amount</u>	<u>Staff</u>
Project Development:	0	0
Ongoing Operating:	0	0
One-Time Startup:	0	0
Totals:	0	0

Additional Information / Prior Funding History:

FY2009 - \$7,000,000; FY2004 - \$19,674,815; FY2002 - 12,305,000; FY2000 - \$2,400,000.

Bethel: Airport Parallel Runway and Other Improvements **FY2009 Request:** **\$4,000,000**
Reference No: **38409**

AP/AL: Allocation **Project Type:** Construction
Category: Transportation
Location: Bethel **Contact:** Christine Klein
House District: Bethel (HD 38) **Contact Phone:** (907)269-0724
Estimated Project Dates: 04/19/2009 - 06/30/2014
Appropriation: Airport Improvement Program

Brief Summary and Statement of Need:

This is a new FY2009 project. Complete parallel runway, expand runway 18-36 safety area; rehabilitate south end of runway 18-36 pavement surface; expand old General Aviation (GA) apron as a new air taxi/cargo apron; expand the existing north air taxi apron and widen the air taxi access road and cul-de-sac. This project contributes to the Department's Mission by reducing injuries, fatalities and property damage, by improving the mobility of people and goods and by increasing private investment.

Funding:	<u>FY2009</u>	<u>FY2010</u>	<u>FY2011</u>	<u>FY2012</u>	<u>FY2013</u>	<u>FY2014</u>	<u>Total</u>
Fed Rcpts	\$4,000,000						\$4,000,000
Total:	\$4,000,000	\$0	\$0	\$0	\$0	\$0	\$4,000,000

<input checked="" type="checkbox"/> State Match Required	<input type="checkbox"/> One-Time Project	<input type="checkbox"/> Phased - new	<input checked="" type="checkbox"/> Phased - underway	<input type="checkbox"/> On-Going
5% = Minimum State Match % Required		<input type="checkbox"/> Amendment	<input type="checkbox"/> Mental Health Bill	

Operating & Maintenance Costs:

	<u>Amount</u>	<u>Staff</u>
Project Development:	0	0
Ongoing Operating:	95,000	0
One-Time Startup:	0	
Totals:	95,000	0

Additional Information / Prior Funding History:

FY2008 Supplemental - \$1,500,000; FY2008 - \$3,000,000; FY2005 Supplemental - \$16,000,000; FY2005 - \$9,950,000; FY2004 - \$6,600,000.

Project Description/Justification:

The Bethel Airport is the fourth busiest airport in Alaska and is only exceeded by Anchorage International for the number of small and commuter enplanements. Since the implementation of CAPSTONE, increasing numbers of small and medium aircraft are using ADS-B (Automatic Dependent Surveillance Broadcast) as a Federal Aviation Administration (FAA) certified and operationally approved source for radar-like Air Traffic Control services while under visual flight rules (VFR) and instrument flight rules (IFR). Cargo aircraft operations at Bethel add to the difficulty because they are also operating on IFR flight plans and need the full length of the runway. The increase of IFR landings presents significant new challenges for aircraft safety.

A new runway 1R/19L, parallel to runway 18L/36R (to be re-named 1L/19R) is recommended in the Bethel Airport Development Re-evaluation. The parallel runway is needed to improve airport safety and capacity. This project is needed in order to address the conflicts between VFR aircraft, airfield maintenance operations, large jet traffic and the increasing number of CAPSTONE equipped IFR aircraft.

Operating and maintenance costs are expected to increase by approximately \$95,000 per year.

Funding is requested to secure the 2nd year grant from FAA prior to the reauthorization end date. This project was funded for construction under two grants. The second grant will fully fund the construction contract.

Dillingham: 3 Bay Chemical Storage Building**FY2009 Request: \$500,000**
Reference No: 43253**AP/AL:** Allocation**Project Type:** Construction**Category:** Transportation**Location:** Dillingham**Contact:** Christine Klein**House District:** Bristol Bay/Aleutians (HD 37)**Contact Phone:** (907)269-0724**Estimated Project Dates:** 04/19/2009 - 06/30/2014**Appropriation:** Airport Improvement Program**Brief Summary and Statement of Need:**

This amends an existing FY2009 project, increasing the FY2009 project to \$1,500,000. Construct a new heated facility with concrete floor and new 20,000 gallon E-36 storage tanks. This project contributes to the Department's Mission by reducing injuries, fatalities and property damage and by improving the mobility of people and goods.

Funding:	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	Total
Fed Rcpts	\$500,000						\$500,000
Total:	\$500,000	\$0	\$0	\$0	\$0	\$0	\$500,000

<input checked="" type="checkbox"/> State Match Required	<input type="checkbox"/> One-Time Project	<input type="checkbox"/> Phased - new	<input checked="" type="checkbox"/> Phased - underway	<input type="checkbox"/> On-Going
5% = Minimum State Match % Required		<input type="checkbox"/> Amendment	<input type="checkbox"/> Mental Health Bill	

Operating & Maintenance Costs:

	<u>Amount</u>	<u>Staff</u>
Project Development:	0	0
Ongoing Operating:	23,000	0
One-Time Startup:	0	
Totals:	23,000	0

Additional Information / Prior Funding History:

FY2009 - \$1,000,000; FY2008 - \$1,500,000.

Project Description/Justification:

Alaska Airlines has started using the 737-400's, replacing the 200 series. The 400 has a less forgiving engine design for sand or foreign object debris (FOD) ingestion. There is a statewide initiative to reduce the use of sand in order to provide better braking value through the use of liquid urea and E-36 deicing solution. This new facility is needed to provide a safe storage and mixing area for liquid de-icing materials and equipment.

Operating and maintenance costs will be approximately \$23,000 per year, starting in FY2010.

The engineer's estimate has been revised and advertising of the project is expected in the spring of 2009.

**Fairbanks International Airport: Runway 1L-19R
Reconstruction**

**FY2009 Request: \$21,250,000
Reference No: AMD 40293**

AP/AL: Allocation

Project Type: Construction

Category: Transportation

Location: Fairbanks (Denali/University)

Contact: Christine Klein

House District: Denali/University (HD 8)

Contact Phone: (907)269-0724

Estimated Project Dates: 04/19/2009 - 06/30/2014

Appropriation: Airport Improvement Program

Brief Summary and Statement of Need:

This amendment to the FY09 Governor's Supplemental Budget adds \$3,000,000 Federal Funds for a new FY09 total of \$21,250,000. Funding to complete the reconstruction of runway 1L-19R, including replacement of the runway pavement structure, reconstruction of airfield lighting systems as necessary to accommodate pavement replacement, drainage modifications, safety area upgrades, pavement marking, and pavement grooving. This project contributes to the Department's Mission by reducing injuries, fatalities and property damage and by improving the mobility of people and goods.

Funding:	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	Total
Fed Rcpts	\$20,337,500						\$20,337,500
IntAptCons	\$912,500						\$912,500
Total:	\$21,250,000	\$0	\$0	\$0	\$0	\$0	\$21,250,000

<input type="checkbox"/> State Match Required	<input type="checkbox"/> One-Time Project	<input type="checkbox"/> Phased - new	<input checked="" type="checkbox"/> Phased - underway	<input type="checkbox"/> On-Going
0% = Minimum State Match % Required		<input checked="" type="checkbox"/> Amendment	<input type="checkbox"/> Mental Health Bill	

Operating & Maintenance Costs:

	<u>Amount</u>	<u>Staff</u>
Project Development:	0	0
Ongoing Operating:	0	0
One-Time Startup:	0	
Totals:	0	0

Additional Information / Prior Funding History:

FY2007 - \$30,250,000; FY2006 - \$21,500,000.

Project Description/Justification:

A pavement management plan including a detailed pavement inspection was completed for the Fairbanks International Airport (FAI) during March of 2001. This report found that the Pavement Condition Indexes (PCI's) of the pavement on runway 1L-19R were below desirable levels. A follow up pavement inspection during 2003 found further degradation of the runway pavement surface.

To assist in selection of the best rehabilitation strategy for this critical airfield surface, an engineering firm specializing in pavement evaluation and testing was contracted to perform non-destructive testing and evaluation of the airport pavements. Structural analyses based upon mechanistic design principles, field tests, and the 20-year traffic forecast were used to develop recommendations for reconstruction strategies.

Transient heavy aircraft parking is provided on the apron south of the terminal building. Recent inspections of the pavement in this area determined that the apron has reached the end of its design life and requires rehabilitation or total reconstruction. Heavy aircraft parked on two of the four

**Fairbanks International Airport: Runway 1L-19R
Reconstruction**

**FY2009 Request: \$21,250,000
Reference No: AMD 40293**

hardstands located on this apron are penetrations to the runway 1L-19R Federal Aviation Regulation (FAR) Part 77 transition surface. Obtaining federal funds to rehabilitate this apron area will be contingent upon providing a transient heavy aircraft parking area which is compliant with airport design requirements and regulations. Also, due to their proximity to Taxiway "A" these two hardstands could not be used while Taxiway "A" is used as a temporary runway.

The new heavy apron site is in an un-developed area of the airport and it is anticipated that these improvements will permit the private development of underutilized land by providing access to the airside from these properties. This development will expand the revenue base for the operation of the airport.

This project exceeded its originally approved budget by over 10% due to unanticipated and significant asphalt and aggregate price increases, unanticipated permafrost, increased need for borrow, and additional federal requirements associated with moving the regulator and Approach Lighting System with Sequenced Flashers (ALSF) buildings.

Delete: Fort Yukon: Airport Improvements

FY2009 Request: \$0
Reference No: AMD 41727

AP/AL: Allocation

Project Type: Construction

Category: Transportation

Location: Fort Yukon

Contact: Christine Klein

House District: Interior Villages (HD 6)

Contact Phone: (907)269-0724

Estimated Project Dates: 04/19/2009 - 06/30/2014

Appropriation: Airport Improvement Program

Brief Summary and Statement of Need:

Request moved to stimulus bill. Resurface and include a dust palliative on the apron, taxiway and runway at the Fort Yukon Airport. Correct drainage problems, clear overgrown vegetation, and complete other improvements as funding allows. This project contributes to the Department's Mission by reducing injuries, fatalities and property damage and by improving the mobility of people and goods.

Funding:	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	Total
Fed Rcpts							\$0
Total:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

<input checked="" type="checkbox"/> State Match Required	<input type="checkbox"/> One-Time Project	<input type="checkbox"/> Phased - new	<input checked="" type="checkbox"/> Phased - underway	<input type="checkbox"/> On-Going
5% = Minimum State Match % Required		<input checked="" type="checkbox"/> Amendment	<input type="checkbox"/> Mental Health Bill	

Operating & Maintenance Costs:

	Amount	Staff
Project Development:	0	0
Ongoing Operating:	0	0
One-Time Startup:	0	0
Totals:	0	0

Additional Information / Prior Funding History:

FY2007 - \$4,725,151; FY2006 - \$2,765,625.

Project Description/Justification:

The existing runway is now rutted, coarse and soft in some areas. Dust from the airport is considered a major health and safety concern by the community. Northern Region Maintenance and Operations has difficulty dealing with the vegetation overgrowth on the operational surfaces and drainage problems are evident during break-up and wet weather.

This request reflects an update to the engineer's estimate.

In order to meet barge schedules, we need to award the Fort Yukon Airport construction contract in the Spring. If we wait until after July we risk losing the entire construction season. The airport improvements and the building will be bid as one construction contract, with advertising to commence in February 2009.

Fort Yukon: Snow Removal Equipment Building

FY2009 Request: \$1,500,000

Reference No: 47791

AP/AL: Allocation

Project Type: Construction

Category: Transportation

Location: Fort Yukon

Contact: Christine Klein

House District: Interior Villages (HD 6)

Contact Phone: (907)269-0724

Estimated Project Dates: 04/19/2009 - 06/30/2014

Appropriation: Airport Improvement Program

Brief Summary and Statement of Need:

This is a new FY2009 project. Construct a new snow removal equipment building at Fort Yukon Airport to include a building pad with surfacing and drainage improvements. This project contributes to the Department's Mission by reducing injuries, fatalities and property damage and by improving the mobility of people and goods.

Funding:	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	Total
Fed Rcpts	\$1,500,000						\$1,500,000
Total:	\$1,500,000	\$0	\$0	\$0	\$0	\$0	\$1,500,000

<input checked="" type="checkbox"/> State Match Required	<input checked="" type="checkbox"/> One-Time Project	<input type="checkbox"/> Phased - new	<input type="checkbox"/> Phased - underway	<input type="checkbox"/> On-Going
5% = Minimum State Match % Required		<input type="checkbox"/> Amendment	<input type="checkbox"/> Mental Health Bill	

Operating & Maintenance Costs:

	<u>Amount</u>	<u>Staff</u>
Project Development:	0	0
Ongoing Operating:	0	0
One-Time Startup:	0	
Totals:	0	0

Additional Information / Prior Funding History:

None.

Project Description/Justification:

The Fort Yukon Airport is a regional interior hub airport, with just under 10,000 enplanements. In the past, the City of Fort Yukon has been under a yearly contract to maintain the airport. However, they have advised the department that they are not interested in contracting to perform airport maintenance for more than an additional year or so. Consequently, the department needs to acquire maintenance equipment and construct a snow removal equipment building to house it, in accordance with Federal Aviation Administration regulations.

In order to meet barge schedules, we need to award the Fort Yukon Airport construction contract in the Spring of 2009. If we wait until after July we risk losing the entire construction season. The airport improvements and the building will be bid as one construction contract, with advertising to commence in February 2009.

Iliamna: Snow Removal Equipment / Sand and Chemical Storage / Office Building **FY2009 Request: \$1,000,000**
Reference No: 41718

AP/AL: Allocation **Project Type:** Construction
Category: Transportation
Location: Iliamna **Contact:** Christine Klein
House District: Kodiak (HD 36) **Contact Phone:** (907)269-0724
Estimated Project Dates: 04/19/2009 - 06/30/2014
Appropriation: Airport Improvement Program

Brief Summary and Statement of Need:

This is a new FY2009 project. Construct a 4-bay Maintenance and Operating building to provide inside heated storage for an expanded equipment fleet, sand and urea storage, as well as an office, training room and bathroom facilities. This project will add two equipment storage bays with a minimum of 22 foot door openings. In addition, this project will add a bay for storing approximately 400 cubic yards of sand and 50 tons of urea and add additional space for an office area, a training room, and a bathroom facility complete with a shower. This project contributes to the Department's Mission by reducing injuries, fatalities and property damage and by improving the mobility of people and goods.

Funding:	<u>FY2009</u>	<u>FY2010</u>	<u>FY2011</u>	<u>FY2012</u>	<u>FY2013</u>	<u>FY2014</u>	<u>Total</u>
Fed Rcpts	\$1,000,000						\$1,000,000
Total:	\$1,000,000	\$0	\$0	\$0	\$0	\$0	\$1,000,000

<input checked="" type="checkbox"/> State Match Required	<input type="checkbox"/> One-Time Project	<input type="checkbox"/> Phased - new	<input checked="" type="checkbox"/> Phased - underway	<input type="checkbox"/> On-Going
5% = Minimum State Match % Required		<input type="checkbox"/> Amendment	<input type="checkbox"/> Mental Health Bill	

Operating & Maintenance Costs:

	<u>Amount</u>	<u>Staff</u>
Project Development:	0	0
Ongoing Operating:	28,000	0
<u>One-Time Startup:</u>	0	
Totals:	28,000	0

Additional Information / Prior Funding History:

FY2008 - \$1,150,000; FY2007 - \$4,350,000.

Project Description/Justification:

The Iliamna Airport was paved the summer of 2003 creating the need for additional maintenance equipment, personnel, and the use of sand and de-icing chemicals to maintain the newly paved surfaces. Existing and scheduled equipment fleet require increased inside heated and protected storage/maintenance space. Two of the new equipment bays, with 22 foot wide minimum doors, will be used to house and maintain the airport's large runway broom and a dump truck with a very large plow on the front that can now barely enter the existing bay doors.

The increase in personnel will require additional office space and an area for training. The increase in personnel will require additional office space and an area for training. The requirement for an inside protective storage area for sand and urea for use on the newly paved surfaces is extremely important.

Operating and maintenance costs are expected to increase by approximately \$28,000 per year beginning in FY2010.

**Iliamna: Snow Removal Equipment / Sand and Chemical
Storage / Office Building**

**FY2009 Request: \$1,000,000
Reference No: 41718**

This request reflects an update to the engineer's estimate. Advertising of the project is expected in the spring of 2009.

Kodiak: Chemical Storage Building**FY2009 Request: \$1,200,000****Reference No: AMD 45436****AP/AL:** Allocation**Project Type:** Construction**Category:** Transportation**Location:** Kodiak**Contact:** Christine Klein**House District:** Kodiak (HD 36)**Contact Phone:** (907)269-0724**Estimated Project Dates:** 04/19/2009 - 06/30/2014**Appropriation:** Airport Improvement Program**Brief Summary and Statement of Need:**

This is a new FY09 supplemental request. Construct a facility consisting of storage tanks, mixing tank and storage area for de-icing truck. This project contributes to the Department's Mission by reducing injuries, fatalities and property damage and by improving the mobility of people and goods.

Funding:	<u>FY2009</u>	<u>FY2010</u>	<u>FY2011</u>	<u>FY2012</u>	<u>FY2013</u>	<u>FY2014</u>	<u>Total</u>
Fed Rcpts	\$1,200,000						\$1,200,000
Total:	\$1,200,000	\$0	\$0	\$0	\$0	\$0	\$1,200,000

<input type="checkbox"/> State Match Required	<input type="checkbox"/> One-Time Project	<input type="checkbox"/> Phased - new	<input checked="" type="checkbox"/> Phased - underway	<input type="checkbox"/> On-Going
0% = Minimum State Match % Required		<input checked="" type="checkbox"/> Amendment	<input type="checkbox"/> Mental Health Bill	

Operating & Maintenance Costs:

	<u>Amount</u>	<u>Staff</u>
Project Development:	0	0
Ongoing Operating:	12,000	0
One-Time Startup:	0	
Totals:	12,000	0

Additional Information / Prior Funding History:

FY2009 - \$1,700,000.

Project Description/Justification:

This project will provide a safe storage and mixing area for liquid de-icing materials and equipment. Without the building and storage tanks to mix the dry urea for liquid application, the use of sand for runway de-icing will continue. New Alaska Airlines jets have a less-forgiving engine for sand or foreign object debris ingestion which could lead to engine failure. The need to switch from sand to chemical de-icing at Kodiak is further underscored by Central Region Maintenance and Operations' inability to obtain sand that meets the minimum specifications identified by the Federal Aviation Administration (FAA). The de-icing material storage facility will provide a controlled environment, thereby minimizing the possibility of a spill or handling accident.

Operating and maintenance costs will be approximately \$12,000 per year beginning in 2011.

Advertising for this project is estimated to take place in June, 2009.

Kotzebue: Apron Expansion**FY2009 Request: \$5,300,000****Reference No: AMD 40275****AP/AL:** Allocation**Project Type:** Construction**Category:** Transportation**Location:** Kotzebue**Contact:** Christine Klein**House District:** Arctic (HD 40)**Contact Phone:** (907)269-0724**Estimated Project Dates:** 04/19/2009 - 06/30/2014**Appropriation:** Airport Improvement Program**Brief Summary and Statement of Need:**

This is a new FY09 supplemental request. Expand the terminal apron to the south and east. This project will also construct new general aviation aircraft parking, a new access road and taxiway, security fencing and drainage improvements, and will provide new leasing areas. This project contributes to the Department's Mission by reducing injuries, fatalities and property damage and by improving the mobility of people and goods.

Funding:	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	Total
Fed Rcpts	\$5,300,000						\$5,300,000
Total:	\$5,300,000	\$0	\$0	\$0	\$0	\$0	\$5,300,000

<input type="checkbox"/> State Match Required	<input type="checkbox"/> One-Time Project	<input type="checkbox"/> Phased - new	<input checked="" type="checkbox"/> Phased - underway	<input type="checkbox"/> On-Going
0% = Minimum State Match % Required		<input checked="" type="checkbox"/> Amendment	<input type="checkbox"/> Mental Health Bill	

Operating & Maintenance Costs:

	<u>Amount</u>	<u>Staff</u>
Project Development:	0	0
Ongoing Operating:	0	0
One-Time Startup:	0	0
Totals:	0	0

Additional Information / Prior Funding History:

FY2009 - \$1,220,000; FY2006 - \$8,000,000.

Project Description/Justification:

The terminal apron is congested. Apron congestion will be relieved by expanding the terminal apron southward. There are currently no available aviation lease lots at the terminal apron. This project will create additional lease lots.

This will be the first stage of a multi-stage project.

Advertising for this project is estimated to take place in April, 2009.

Nulato: Airport Improvements

FY2009 Request: \$9,200,000
Reference No: AMD 48350

AP/AL: Allocation
Category: Transportation
Location: Nulato
House District: Interior Villages (HD 6)
Estimated Project Dates: 04/19/2009 - 06/30/2014
Appropriation: Airport Improvement Program

Project Type: Construction
Contact: Christine Klein
Contact Phone: (907)269-0724

Brief Summary and Statement of Need:

This is a new supplemental request. Resurface the airport operational surfaces, rehabilitate the access road, apply dust palliative, replace lighting, construct a snow removal equipment building, and other improvements as funds allow. This project contributes to the Department's Mission by reducing injuries, fatalities and property damage and by improving the mobility of people and goods.

Funding:	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	Total
Fed Rcpts	\$9,200,000						\$9,200,000
Total:	\$9,200,000	\$0	\$0	\$0	\$0	\$0	\$9,200,000

<input type="checkbox"/> State Match Required	<input checked="" type="checkbox"/> One-Time Project	<input type="checkbox"/> Phased - new	<input type="checkbox"/> Phased - underway	<input type="checkbox"/> On-Going
0% = Minimum State Match % Required		<input checked="" type="checkbox"/> Amendment	<input type="checkbox"/> Mental Health Bill	

Operating & Maintenance Costs:

	<u>Amount</u>	<u>Staff</u>
Project Development:	0	0
Ongoing Operating:	0	0
One-Time Startup:	0	
Totals:	0	0

Additional Information / Prior Funding History:

None.

Project Description/Justification:

The surface course on the airport operational surfaces is nearly gone and there is no crown. The runway is periodically closed during wet weather. The lighting system is nearing the end of its useful life and needs to be replaced. Geotextile matting is exposed at numerous locations along the runway causing safety issues. The access road is experiencing the same softness and closure issues. A dust palliative is needed to reduce the loss of surfacing materials and improve air quality. The snow removal equipment building is too small and in disrepair and has outlived its useful life.

Petersburg: Airport Runway Safety Area

FY2009 Request: \$26,000,000

Reference No: AMD 41730

AP/AL: Allocation

Project Type: Construction

Category: Transportation

Location: Petersburg

Contact: Frank Richards

House District: Sitka/Wrangell/Petersburg (HD

Contact Phone: (907)465-3900

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Estimated Project Dates: 04/19/2009 - 06/30/2014

Appropriation: Airport Improvement Program

Brief Summary and Statement of Need:

This amendment changes the scope of work to include repaving the existing runway. This project consists of the design and construction of an expanded Runway Safety Area, shifting and repaving the existing runway, replacing undersized culverts, relocating navigation aids, and other required work. It also includes the acquisition of additional property adjacent to the airport in order to protect Runway Protection Zones from incompatible land uses. This project contributes to the Department's Mission by reducing injuries, fatalities and property damage.

Funding:	<u>FY2009</u>	<u>FY2010</u>	<u>FY2011</u>	<u>FY2012</u>	<u>FY2013</u>	<u>FY2014</u>	<u>Total</u>
Fed Rcpts	\$26,000,000						\$26,000,000
Total:	\$26,000,000	\$0	\$0	\$0	\$0	\$0	\$26,000,000

<input checked="" type="checkbox"/> State Match Required	<input type="checkbox"/> One-Time Project	<input type="checkbox"/> Phased - new	<input checked="" type="checkbox"/> Phased - underway	<input type="checkbox"/> On-Going
5% = Minimum State Match % Required		<input checked="" type="checkbox"/> Amendment	<input type="checkbox"/> Mental Health Bill	

Operating & Maintenance Costs:

	<u>Amount</u>	<u>Staff</u>
Project Development:	0	0
Ongoing Operating:	0	0
One-Time Startup:	0	0
Totals:	0	0

Additional Information / Prior Funding History:

FY2008 Supplemental - \$4,350,000; FY2007 - \$19,650,000.

Project Description/Justification:

Petersburg's Runway Safety Area (RSA) does not meet Federal Aviation Administration standards for the size of the area surrounding a runway that protects aircraft that land short, over-run, or veer off the paved runway surface. In addition, culverts that provide drainage under the existing runway are undersized and failing. This project consists of the design and construction of an expanded RSA, shifting and repaving the existing runway, replacing undersized culverts, relocating navigation aids, and other required work. It also includes the acquisition of additional property adjacent to the airport in order to protect Runway Protection Zones from incompatible land uses.

Additional funding is needed based on the current estimate for the second phase of the project that will include placing fill to extend the length of the RSA and shifting the runway along its length.

Savoonga: Airport Improvements

FY2009 Request: \$4,840,000
Reference No: 43242

AP/AL: Allocation

Project Type: Construction

Category: Transportation

Location: Savoonga

Contact: Christine Klein

House District: Bering Straits (HD 39)

Contact Phone: (907)269-0724

Estimated Project Dates: 04/19/2009 - 06/30/2014

Appropriation: Airport Improvement Program

Brief Summary and Statement of Need:

This is a new FY2009 project. This is the second stage for rehabilitating the Savoonga Airport. Work includes resurfacing the runway, taxiway, apron and airport access road, applying a dust palliative to the operating surfaces and replacing the lighting system. The taxiway will be realigned to meet geometric standards. This project contributes to the Department's Mission by reducing injuries, fatalities and property damage and by improving the mobility of people and goods.

Funding:	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	Total
Fed Rcpts	\$4,840,000						\$4,840,000
Total:	\$4,840,000	\$0	\$0	\$0	\$0	\$0	\$4,840,000

<input checked="" type="checkbox"/> State Match Required	<input type="checkbox"/> One-Time Project	<input type="checkbox"/> Phased - new	<input checked="" type="checkbox"/> Phased - underway	<input type="checkbox"/> On-Going
5% = Minimum State Match % Required		<input type="checkbox"/> Amendment	<input type="checkbox"/> Mental Health Bill	

Operating & Maintenance Costs:

	<u>Amount</u>	<u>Staff</u>
Project Development:	0	0
Ongoing Operating:	0	0
One-Time Startup:	0	0
Totals:	0	0

Additional Information / Prior Funding History:

FY2008 - \$9,050,000.

Project Description/Justification:

The condition of the airport has deteriorated significantly since this project was initially nominated in 2001. Large rocks are now exposed at the surface. In addition, there are depressions, soft surface conditions, and lighting system outages that are beyond Maintenance and Operation's capacity to repair. Differential settlement has also accelerated in recent years, as demonstrated by the dips in the runway and taxiway. The lighting is outdated and needs to be replaced to maintain safe operations at the airport. The taxiway alignment does not meet current geometric standards.

This is Stage II of a multi-stage project.

Takotna: Airport Relocation

FY2009 Request: \$5,000,000

Reference No: 39179

AP/AL: Allocation

Project Type: Construction

Category: Transportation

Location: Takotna

Contact: Christine Klein

House District: Interior Villages (HD 6)

Contact Phone: (907)269-0724

Estimated Project Dates: 04/19/2009 - 06/30/2014

Appropriation: Airport Improvement Program

Brief Summary and Statement of Need:

This amends an existing FY2009 project, increasing the FY2009 project to \$10,500,000. Relocate the airport to a new location about a mile east of the village. This will include acquiring property and constructing the following to current standards: new runway, taxiway, apron, airport lighting and visual aids, snow removal equipment building and an airport access road. This project contributes to the Department's Mission by reducing injuries, fatalities and property damage and by improving the mobility of people and goods.

Funding:	<u>FY2009</u>	<u>FY2010</u>	<u>FY2011</u>	<u>FY2012</u>	<u>FY2013</u>	<u>FY2014</u>	<u>Total</u>
Fed Rcpts	\$5,000,000						\$5,000,000
Total:	\$5,000,000	\$0	\$0	\$0	\$0	\$0	\$5,000,000

<input checked="" type="checkbox"/> State Match Required	<input type="checkbox"/> One-Time Project	<input type="checkbox"/> Phased - new	<input checked="" type="checkbox"/> Phased - underway	<input type="checkbox"/> On-Going
5% = Minimum State Match % Required		<input type="checkbox"/> Amendment	<input type="checkbox"/> Mental Health Bill	

Operating & Maintenance Costs:

	<u>Amount</u>	<u>Staff</u>
Project Development:	0	0
Ongoing Operating:	27,100	0
One-Time Startup:	0	
Totals:	27,100	0

Additional Information / Prior Funding History:

FY2009 - \$5,500,000; FY2006 - \$6,800,000; FY2005 - \$5,111,000.

Project Description/Justification:

The existing Takotna airport has one gravel runway, which is shorter than standards recommend, lacks lighting, and has an obstructed approach surface. The runway safety area does not conform to standards for length, width, and grading. The aircraft parking apron is a widened portion of the runway; aircraft commonly park inside the object free area and the airport lacks maintenance facilities.

Operating and maintenance costs will increase by approximately \$27,100 per year beginning in 2010.

This request reflects a revised engineer's estimate. The project is expected to be advertised in the spring of 2009.

Surface Transportation Program

FY2009 Request: \$6,647,600

Reference No: 32610

AP/AL: Appropriation with Allocations

Project Type: Construction

Category: Transportation

Location: Statewide

Contact: Frank Richards

House District: Statewide (HD 1-40)

Contact Phone: (907)465-3900

Estimated Project Dates: 04/19/2009 - 06/30/2014

Brief Summary and Statement of Need:

Federal surface transportation improvements as outlined in the Statewide Transportation Improvement Program (STIP), the Transportation Equity Act for the 21st Century (TEA-21), and annual federal appropriations acts. This project contributes to the Department's Mission by reducing injuries, fatalities and property damage, by improving the mobility of people and goods and by increasing private investment.

Funding:	<u>FY2009</u>	<u>FY2010</u>	<u>FY2011</u>	<u>FY2012</u>	<u>FY2013</u>	<u>FY2014</u>	<u>Total</u>
Fed Rcpts	\$6,647,600						\$6,647,600
Total:	\$6,647,600	\$0	\$0	\$0	\$0	\$0	\$6,647,600

<input checked="" type="checkbox"/> State Match Required	<input type="checkbox"/> One-Time Project	<input type="checkbox"/> Phased - new	<input type="checkbox"/> Phased - underway	<input checked="" type="checkbox"/> On-Going
9% = Minimum State Match % Required		<input type="checkbox"/> Amendment	<input type="checkbox"/> Mental Health Bill	

Operating & Maintenance Costs:

	<u>Amount</u>	<u>Staff</u>
Project Development:	0	0
Ongoing Operating:	0	0
One-Time Startup:	0	
Totals:	0	0

Additional Information / Prior Funding History:

The state match (GFM) for these projects is contained in a separate project called Federal-Aid Highway State Match (Ref. No. 32609). The state match rate for these federal projects varies.

Chena Hot Springs Road: Milepost 24 to 56 Rehabilitation **FY2009 Request: \$1,430,000**
Reference No: 41686

AP/AL: Allocation **Project Type:** Construction
Category: Transportation
Location: Fairbanks Areawide **Contact:** Frank Richards
House District: Fairbanks Areawide (HD 7-11) **Contact Phone:** (907)465-3900
Estimated Project Dates: 04/19/2009 - 06/30/2014
Appropriation: Surface Transportation Program

Brief Summary and Statement of Need:

This is a new FY2009 project. The project consists of 32 miles of roadway reconditioning and paving with 1.5" of hot mix asphalt. Work includes bridge seismic retrofits and upgrading traffic signs, guardrail, striping, and approaches. This project contributes to the Department's Mission by reducing injuries, fatalities and property damage and by improving the mobility of people and goods.

Funding:	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	Total
Fed Rcpts	\$1,430,000						\$1,430,000
Total:	\$1,430,000	\$0	\$0	\$0	\$0	\$0	\$1,430,000

<input checked="" type="checkbox"/> State Match Required	<input type="checkbox"/> One-Time Project	<input type="checkbox"/> Phased - new	<input checked="" type="checkbox"/> Phased - underway	<input type="checkbox"/> On-Going
9% = Minimum State Match % Required		<input type="checkbox"/> Amendment	<input type="checkbox"/> Mental Health Bill	

Operating & Maintenance Costs:

	<u>Amount</u>	<u>Staff</u>
Project Development:	0	0
Ongoing Operating:	0	0
One-Time Startup:	0	
Totals:	0	0

Additional Information / Prior Funding History:

FY2008 - \$4,250,000; FY2007 - \$6,000,000.

Project Description/Justification:

The chipped surface in this section of the roadway is 20-years old and needs to be replaced. It is costly to maintain and increases travel time for the public. This project will extend the useful life of the roadway and reduce maintenance costs.

This request reflects a revised engineer's estimate. Estimated advertising date is in early February, 2009.

Ester Weigh Station Scale Replacement**FY2009 Request: \$120,000****Reference No: 48232****AP/AL:** Allocation**Project Type:** Renewal and Replacement**Category:** Transportation**Location:** Ester**Contact:** Frank Richards**House District:** Denali/University (HD 8)**Contact Phone:** (907)465-3900**Estimated Project Dates:** 04/19/2009 - 09/30/2011**Appropriation:** Surface Transportation Program**Brief Summary and Statement of Need:**

This is a new FY2009 project. This request provides funds needed to replace the scale at the Ester weigh station and return it to service. This project contributes to the Department's Mission by reducing injuries, fatalities and property damage and by improving the mobility of people and goods.

Funding:	<u>FY2009</u>	<u>FY2010</u>	<u>FY2011</u>	<u>FY2012</u>	<u>FY2013</u>	<u>FY2014</u>	<u>Total</u>
Fed Rcpts	\$120,000						\$120,000
Total:	\$120,000	\$0	\$0	\$0	\$0	\$0	\$120,000

<input type="checkbox"/> State Match Required	<input checked="" type="checkbox"/> One-Time Project	<input type="checkbox"/> Phased - new	<input type="checkbox"/> Phased - underway	<input type="checkbox"/> On-Going
0% = Minimum State Match % Required		<input type="checkbox"/> Amendment	<input type="checkbox"/> Mental Health Bill	

Operating & Maintenance Costs:

	<u>Amount</u>	<u>Staff</u>
Project Development:	0	0
Ongoing Operating:	0	0
One-Time Startup:	0	0
Totals:	0	0

Additional Information / Prior Funding History:

None.

Project Description/Justification:

PDC Engineers was asked by the State of Alaska Department of Transportation & Public Facilities to investigate the structural condition and fitness-for-purpose of the Ester Weigh Scale. The Ester Weigh Scale has currently been removed from service due to inaccuracies in its measurements. The steel scale deck support system and steel scale mechanisms have deteriorated beyond the point of reasonable repair. The extensive corrosion present is almost certainly a direct cause of the recent loss of accuracy of the scale system. It has been recommended that the scale platform should remain closed and cones or other means should be utilized to prevent traffic from driving over this scale assembly for safety reasons.

The overall cost of returning the scale system into service, though largely dependent on the cost of the new replacement scale, has other items that contribute a significant amount. This has been covered in the Engineer's Report provided by PDC Engineers. The estimated cost provided by PDC Engineers is \$90,000. In reviewing the provided estimated costs, Measurement Standards and Commercial Vehicle Enforcement believes it to be low and estimate that an additional \$30,000 would be necessary to remove and replace the Ester Weigh Scale, for a total estimated cost of \$120,000.

Fairbanks: LED Street Light Conversion

FY2009 Request: \$3,310,000

Reference No: AMD 48368

AP/AL: Allocation

Project Type: Renewal and Replacement

Category: Transportation

Location: Fairbanks Areawide

Contact: Frank Richards

House District: Fairbanks Areawide (HD 7-11)

Contact Phone: (907)465-3900

Estimated Project Dates: 04/19/2009 - 06/30/2014

Appropriation: Surface Transportation Program

Brief Summary and Statement of Need:

This is a new FY09 supplemental request. Convert existing High Pressure Sodium (HPS) street lights to Light-Emitting Diode (LED) lights in the City of Fairbanks and North Pole. This project contributes to the Department's Mission by reducing injuries, fatalities and property damage and by improving the mobility of people and goods.

Funding:	<u>FY2009</u>	<u>FY2010</u>	<u>FY2011</u>	<u>FY2012</u>	<u>FY2013</u>	<u>FY2014</u>	<u>Total</u>
Fed Rcpts	\$3,310,000						\$3,310,000
Total:	\$3,310,000	\$0	\$0	\$0	\$0	\$0	\$3,310,000

<input type="checkbox"/> State Match Required	<input checked="" type="checkbox"/> One-Time Project	<input type="checkbox"/> Phased - new	<input type="checkbox"/> Phased - underway	<input type="checkbox"/> On-Going
0% = Minimum State Match % Required		<input checked="" type="checkbox"/> Amendment	<input type="checkbox"/> Mental Health Bill	

Operating & Maintenance Costs:

	<u>Amount</u>	<u>Staff</u>
Project Development:	0	0
Ongoing Operating:	0	0
One-Time Startup:	0	
Totals:	0	0

Additional Information / Prior Funding History:

None.

Project Description/Justification:

The City of Fairbanks and City of North Pole operate approximately 2,900 High Pressure Sodium (HPS) street lights, which cost approximately \$550,000 per year to power and \$75,000 per year in maintenance and replacement bulb costs. The Light-Emitting Diode (LED) street lights provide a 70% reduction in power usage and have a lifespan estimated from 50,000 to 100,000 hours. This would result in an annual savings of \$400,000 or greater per year for the City of Fairbanks and North Pole residents.

Advertising of this project is estimated to take place in Spring/Summer 2009.

Fairbanks: Sign Replacement**FY2009 Request: \$973,600****Reference No: AMD 48369****AP/AL:** Allocation**Project Type:** Renewal and Replacement**Category:** Transportation**Location:** Fairbanks Areawide**Contact:** Frank Richards**House District:** Fairbanks Areawide (HD 7-11)**Contact Phone:** (907)465-3900**Estimated Project Dates:** 03/01/2009 - 06/30/2014**Appropriation:** Surface Transportation Program**Brief Summary and Statement of Need:**

This is a new FY09 supplemental request. Design and implement a system to assess all traffic signs in the Fairbanks area and replace as needed to improve their visibility and increase road safety. This project contributes to the Department's Mission by reducing injuries, fatalities and property damage and by improving the mobility of people and goods.

Funding:	<u>FY2009</u>	<u>FY2010</u>	<u>FY2011</u>	<u>FY2012</u>	<u>FY2013</u>	<u>FY2014</u>	<u>Total</u>
Fed Rcpts	\$973,600						\$973,600
Total:	\$973,600	\$0	\$0	\$0	\$0	\$0	\$973,600

<input type="checkbox"/> State Match Required	<input checked="" type="checkbox"/> One-Time Project	<input type="checkbox"/> Phased - new	<input type="checkbox"/> Phased - underway	<input type="checkbox"/> On-Going
0% = Minimum State Match % Required		<input checked="" type="checkbox"/> Amendment	<input type="checkbox"/> Mental Health Bill	

Operating & Maintenance Costs:

	<u>Amount</u>	<u>Staff</u>
Project Development:	0	0
Ongoing Operating:	0	0
One-Time Startup:	0	
Totals:	0	0

Additional Information / Prior Funding History:

None.

Project Description/Justification:

There is a new federal mandate to ensure the retro-reflectivity of all signs are assessed, inventoried, and replaced as needed. By January 2012, a sign assessment or management system has to be in place to track sign data and ensure timely sign replacement. By January 2015, all ground-mounted regulatory, warning and guide signs must comply with retro-reflectivity requirements and by January 2018, all overhead and street name signs must be compliant.

Advertising of this project is estimated to take place in Spring/Summer 2009.

Fairbanks: Wendell Street ADA Improvements

FY2009 Request: \$814,000

Reference No: AMD 48370

AP/AL: Allocation

Project Type: Construction

Category: Transportation

Location: Fairbanks (Fairbanks/Fort Wainwright)

Contact: Frank Richards

House District: Fairbanks/Fort Wainwright (HD 10)

Contact Phone: (907)465-3900

Estimated Project Dates: 03/01/2009 - 06/30/2014

Appropriation: Surface Transportation Program

Brief Summary and Statement of Need:

This is a new FY09 supplemental request. Pedestrian improvements, re-paving, utility relocation, and storm drain improvements on Wendell Street. This project contributes to the Department's Mission by reducing injuries, fatalities and property damage and by improving the mobility of people and goods.

Funding:	<u>FY2009</u>	<u>FY2010</u>	<u>FY2011</u>	<u>FY2012</u>	<u>FY2013</u>	<u>FY2014</u>	<u>Total</u>
Fed Rcpts	\$814,000						\$814,000
Total:	\$814,000	\$0	\$0	\$0	\$0	\$0	\$814,000

<input type="checkbox"/> State Match Required	<input checked="" type="checkbox"/> One-Time Project	<input type="checkbox"/> Phased - new	<input type="checkbox"/> Phased - underway	<input type="checkbox"/> On-Going
0% = Minimum State Match % Required		<input checked="" type="checkbox"/> Amendment	<input type="checkbox"/> Mental Health Bill	

Operating & Maintenance Costs:

	<u>Amount</u>	<u>Staff</u>
Project Development:	0	0
Ongoing Operating:	0	0
One-Time Startup:	0	
Totals:	0	0

Additional Information / Prior Funding History:

None

Project Description/Justification:

Sidewalk improvements are necessary to comply with the Americans with Disabilities Act (ADA). Wendell Street is the location of the new Morris Thompson Cultural and Visitor's Center and tourists will be dropped off and picked up there by bus companies. Improving the pedestrian facilities and repaving will enhance this new cultural visitor destination in Fairbanks. The storm drains are 40-year-old wood stave pipes and are in dire need of replacement.

Advertising of this project is estimated to take place in Spring/Summer 2009.

Delete: Kotzebue: Shore Avenue Rehabilitation and Erosion Protection

FY2009 Request: \$0
Reference No: AMD 34547

AP/AL: Allocation

Project Type: Construction

Category: Transportation

Location: Kotzebue

Contact: Frank Richards

House District: Arctic (HD 40)

Contact Phone: (907)465-3900

Estimated Project Dates: 04/19/2009 - 06/30/2014

Appropriation: Surface Transportation Program

Brief Summary and Statement of Need:

Request moved to stimulus bill. Reconstruct Shore Avenue from Lake Street, through the primary commercial area of Kotzebue, approximately 4,400 feet to the end of the road at Crowley Dock. Shore Avenue will be paved, new sidewalks, a pathway, parallel parking, an open space on the seaward side, and an erosion protection revetment on the seaside. This project contributes to the Department's Mission by reducing injuries, fatalities and property damage and by improving the mobility of people and goods.

Funding:	<u>FY2009</u>	<u>FY2010</u>	<u>FY2011</u>	<u>FY2012</u>	<u>FY2013</u>	<u>FY2014</u>	<u>Total</u>
Fed Rcpts							\$0
Total:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

<input checked="" type="checkbox"/> State Match Required	<input type="checkbox"/> One-Time Project	<input type="checkbox"/> Phased - new	<input checked="" type="checkbox"/> Phased - underway	<input type="checkbox"/> On-Going
9% = Minimum State Match % Required		<input checked="" type="checkbox"/> Amendment	<input type="checkbox"/> Mental Health Bill	

Operating & Maintenance Costs:

	<u>Amount</u>	<u>Staff</u>
Project Development:	0	0
Ongoing Operating:	0	0
One-Time Startup:	0	0
Totals:	0	0

Additional Information / Prior Funding History:

FY2009 - \$6,390,000; FY2007 - \$3,400,000 SAFETEA-LU Earmark; FY2002 - \$10,620,000.

Project Description/Justification:

Beach erosion has reduced Shore Avenue to less than two lanes and forced it over onto adjacent property. The situation is progressively worsening as the traffic demand on the route is increasing. The road needs to be reconstructed in its proper location and widened to re-establish two-lane traffic and pedestrian and bicycle traffic. The re-established facility will then need to be protected from further erosion.

This request brings authorization up to total engineer's estimate as reflected in the Statewide Transportation Improvement Program (STIP).

In order to meet the barge schedule, we need to award the Kotzebue Shore Avenue construction contract in the Spring of 2009. If we wait until after July we risk losing the entire 2009 construction season. Losing a season means exposing the infrastructure along the shore to potential storm damage for another year. The project will provide shore protection along with other improvements.

Ted Stevens Anchorage International Airport: South Terminal Seismic and Retrofit

FY2009 Request: \$25,600,000
Reference No: AMD 45488

AP/AL: Appropriation

Project Type: Construction

Category: Transportation

Location: Anchorage Area-wide

Contact: Frank Richards

House District: Anchorage Area-wide (HD 17-32)

Contact Phone: (907)465-3900

Estimated Project Dates: 04/19/2009 - 06/30/2014

Brief Summary and Statement of Need:

This amendment changes \$25.0 million for the Ted Stevens International Airport: South Terminal Seismic and Retrofit project from International Airport Construction Funds to International Airport Revenue Funds. This project is a renovation of the South Passenger Terminal's B Concourse, Main Ticketing Lobby, and A Concourse. The primary focus of the renovation is to seismically retrofit the structures to meet current standards for earthquake resistance and to provide security enhancements, such as improved baggage and passenger screening, Closed Circuit Television (CCTV) systems, and access control systems. The buildings will also receive mechanical system upgrades and an overall architectural remodel.

Funding:	<u>FY2009</u>	<u>FY2010</u>	<u>FY2011</u>	<u>FY2012</u>	<u>FY2013</u>	<u>FY2014</u>	<u>Total</u>
Int Airprt	\$25,000,000						\$25,000,000
IntAptCons	\$600,000						\$600,000
Total:	\$25,600,000	\$0	\$0	\$0	\$0	\$0	\$25,600,000

<input type="checkbox"/> State Match Required	<input type="checkbox"/> One-Time Project	<input checked="" type="checkbox"/> Phased - new	<input type="checkbox"/> Phased - underway	<input type="checkbox"/> On-Going
0% = Minimum State Match % Required		<input checked="" type="checkbox"/> Amendment	<input type="checkbox"/> Mental Health Bill	

Operating & Maintenance Costs:

	<u>Amount</u>	<u>Staff</u>
Project Development:	0	0
Ongoing Operating:	0	0
One-Time Startup:	0	0
Totals:	0	0

Additional Information / Prior Funding History:

None.

Project Description/Justification:

The project is needed to bring the buildings into compliance with current standards for seismic resistance and to improve security to meet current Transportation Security Administration (TSA) requirements. The buildings are also quite old and need overall mechanical system upgrades to operate efficiently and improve the building air quality. Architectural improvements are needed due to the wear and tear on the finishes over the years.

The seismic upgrades are necessary to improve the likelihood of people in the building surviving an earthquake without harm. The security upgrades are needed to improve traveler safety. The mechanical system upgrades are needed to improve the building air quality and hence the health of the occupants.

**Reappropriation: Alaska Marine Highway System:
Columbia Fuel Efficiency \$499,496**

**FY2009 Request: \$0
Reference No: 47602**

AP/AL: Appropriation

Project Type: Transportation

Category: Transportation

Location: Southeast Alaska

Contact: Jim Beedle

House District: Southeast Areawide (HD 1-5)

Contact Phone: (907)465-6977

Estimated Project Dates: 04/19/2009 - 06/30/2011

Brief Summary and Statement of Need:

This is a new FY2009 project. Install a Stellar Marine ESP 1000, Electronic Speed Pilot power management system on the ferry Columbia to maximize fuel efficiency. This project contributes to the Department's Mission by reducing injuries, fatalities and property damage and by improving the mobility of people and goods.

Funding:	<u>FY2009</u>	<u>FY2010</u>	<u>FY2011</u>	<u>FY2012</u>	<u>FY2013</u>	<u>FY2014</u>	<u>Total</u>
Gen Fund							\$0
Total:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

<input type="checkbox"/> State Match Required	<input checked="" type="checkbox"/> One-Time Project	<input type="checkbox"/> Phased - new	<input type="checkbox"/> Phased - underway	<input type="checkbox"/> On-Going
0% = Minimum State Match % Required		<input type="checkbox"/> Amendment	<input type="checkbox"/> Mental Health Bill	

Operating & Maintenance Costs:

	<u>Amount</u>	<u>Staff</u>
Project Development:	0	0
Ongoing Operating:	0	0
One-Time Startup:	0	0
Totals:	0	0

Additional Information / Prior Funding History:

None.

Project Description/Justification:

The Stellar Marine ESP 1000, Electronic Speed Pilot power management system provides precision control of ship speed and fine tune throttle settings to maximize the vessel's propulsive efficiency.

The new system incorporates the following salient characteristics and features:

- Continuous monitoring of voyage progress and propulsion efficiency, with automatic balancing of engine loads and synchronization of engine RPM.
- Precision electronic throttle control, with automatic setting of throttles based on distance and time to go to selected destination.
- Fine tuning of engine RPM as conditions change to ensure on time arrival using minimum amount of power.
- Automatic disengagement of system when manual controls are used.
- Integral alarm system providing visible and audible alarms if hardware or software malfunctions occur.
- Computer-based daily system operation summaries and status reports.
- Tracking and display of vessel position and status information on system PC.
- Incorporating electronic gauge panel displaying engine parameters, vessel performance, and navigational data from system PC.

**Reappropriation: Alaska Marine Highway System:
Columbia Fuel Efficiency \$499,496**

**FY2009 Request: \$0
Reference No: 47602**

- Incorporating voyage data logging including vessel speed, position, engine RPM, fuel burn rate, and efficiency data at one minute increments.
- Generating daily totals, averages, and other statistical data about vessel operation using data logged by system, with data downloadable to system PC on vessel, as well as transferable to shore via satellite or cellular data link.
- Capable of maintaining requested speed to within 0.1 knots automatically as sea conditions change.

Reappropriation: Alaska Marine Highway System - Vessel and Terminal Overhaul and Rehabilitation \$702,057 **FY2009 Request: \$0**
Reference No: 48231

AP/AL: Appropriation **Project Type:** Construction
Category: Transportation
Location: Statewide **Contact:** Jim Beedle
House District: Statewide (HD 1-40) **Contact Phone:** (907)465-6977
Estimated Project Dates: 04/19/2009 - 09/30/2011

Brief Summary and Statement of Need:

This amends an existing FY2009 project, increasing the FY2009 appropriation to \$10,602,057. Effective January 2009, the Ketchikan Shipyard increased their prices 18.5% to 20% to the Alaska Marine Highway System (AMHS) for state funded maintenance overhauls of AMHS vessels. This cost increase to AMHS will impact six scheduled vessel maintenance overhauls this fiscal year, with a budgeted value of \$3,500,000. This project contributes to the Department's Mission by reducing injuries, fatalities and property damage and by improving the mobility of people and goods.

Funding:	<u>FY2009</u>	<u>FY2010</u>	<u>FY2011</u>	<u>FY2012</u>	<u>FY2013</u>	<u>FY2014</u>	<u>Total</u>
Gen Fund							\$0
Total:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

<input type="checkbox"/> State Match Required	<input type="checkbox"/> One-Time Project	<input type="checkbox"/> Phased - new	<input type="checkbox"/> Phased - underway	<input checked="" type="checkbox"/> On-Going
0% = Minimum State Match % Required		<input type="checkbox"/> Amendment	<input type="checkbox"/> Mental Health Bill	

Operating & Maintenance Costs:

	<u>Amount</u>	<u>Staff</u>
Project Development:	0	0
Ongoing Operating:	0	0
<u>One-Time Startup:</u>	0	
Totals:	0	0

Additional Information / Prior Funding History:

FY2009- \$9,900,000; FY2008 - \$13,444,500; FY2007 - \$6,000,000; FY2006 - \$5,000,000; FY2005 - \$4,063,000; FY2004 - \$4,930,000; FY2003 - \$5,000,000; FY2002 - \$4,239,365; FY2001 - \$4,200,000; FY2000 - \$4,390,600; FY1999 - \$4,000,000. This has been an annual Capital Program.

Project Description/Justification:

The Department of Transportation and Public Facilities contracts with the Ketchikan Shipyard for AMHS vessel maintenance overhauls in accordance with AS 36.90.049, Maintenance of State Marine Vessels.

The last Ketchikan Shipyard cost increase to AMHS was 6.4%, effective January 2006. The shipyard justified the recent substantial price increase to inflation since January 2006 and higher shipyard maintenance costs due to the addition of a second dry-dock, shipyard improvements and expansion projects.

Impact: AMHS has six vessels remaining on scheduled annual inspection and overhaul maintenance availability. If this supplemental request is not approved, AMHS will be faced with required scheduled maintenance set backs, jeopardizing vessel safety and regulatory compliance programs. The end result would be vessels receiving less required work and face the possibility of not being operational, negatively impacting transportation and commerce.

Reappropriation: Alaska Railroad Crossing Construction and Maintenance \$1,048,700 **FY2009 Request: \$0**
Reference No: 48229

AP/AL: Appropriation **Project Type:** Renewal and Replacement
Category: Transportation
Location: Statewide **Contact:** Frank Richards
House District: Statewide (HD 1-40) **Contact Phone:** (907)465-3900
Estimated Project Dates: 04/19/2009 - 09/30/2009

Brief Summary and Statement of Need:

This is a new FY2009 project. The Alaska Railroad Corporation (ARRC) issued the Alaska Department of Transportation (ADOT) a "blanket permit" for the placement of ADOT facilities (roads, road crossings, pathways, etc.) on Railroad property about twenty years ago. Through this permit, the Department is obligated to reimburse the Railroad for its work on the hwy/rr crossing surfaces. This request is necessary to reimburse ARRC for work performed under this permit.

Funding:	<u>FY2009</u>	<u>FY2010</u>	<u>FY2011</u>	<u>FY2012</u>	<u>FY2013</u>	<u>FY2014</u>	<u>Total</u>
Gen Fund							\$0
Total:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

<input type="checkbox"/> State Match Required	<input checked="" type="checkbox"/> One-Time Project	<input type="checkbox"/> Phased - new	<input type="checkbox"/> Phased - underway	<input type="checkbox"/> On-Going
0% = Minimum State Match % Required		<input type="checkbox"/> Amendment	<input type="checkbox"/> Mental Health Bill	

Operating & Maintenance Costs:

	<u>Amount</u>	<u>Staff</u>
Project Development:	0	0
Ongoing Operating:	0	0
One-Time Startup:	0	
Totals:	0	0

Additional Information / Prior Funding History:

None.

Project Description/Justification:

The Department of Transportation is obligated to reimburse the Alaska Railroad Corporation for the following work performed on highway/railroad crossings under a "blanket permit":

Pittman Road 2/4/06 - 5/07 \$180,179
Seward Highway (Lawing) 4/21/07 - 9/07 \$398,920
Girdwood Toadstool 9/8/07 - 12/07 \$146,740
Whittier Tunnel (Original Construction) 6/1/02 - 12/31/03 \$92,566
Whittier Tunnel (Signal Trouble Calls) 1/1/04 - 3/31/08 \$230,209

Reappropriation: Bridge Repair and Upgrade \$350,400

FY2009 Request:

\$0

Reference No:

48252

AP/AL: Appropriation

Project Type: Construction

Category: Transportation

Location: City and Borough of Juneau

Contact: Frank Richards

House District: Juneau Areawide (HD 3-4)

Contact Phone: (907)465-3900

Estimated Project Dates: 04/19/2009 - 06/30/2012

Brief Summary and Statement of Need:

This amends an existing FY2009 project, replacing a portion of the FY2009 funding source for the project from General Funds to Alaska Housing Finance Corporation Dividends. This project provides the non-federal match needed to repair the Basin Road trestle bridge. This project contributes to the Department's Mission by reducing injuries, fatalities and property damage and by improving the mobility of people and goods.

Funding:	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	Total
G/F Match							\$0
Total:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

<input type="checkbox"/> State Match Required	<input checked="" type="checkbox"/> One-Time Project	<input type="checkbox"/> Phased - new	<input type="checkbox"/> Phased - underway	<input type="checkbox"/> On-Going
0% = Minimum State Match % Required		<input type="checkbox"/> Amendment	<input type="checkbox"/> Mental Health Bill	

Operating & Maintenance Costs:

	<u>Amount</u>	<u>Staff</u>
Project Development:	0	0
Ongoing Operating:	0	0
One-Time Startup:	0	
Totals:	0	0

Additional Information / Prior Funding History:

FY2009 - \$400,000

Project Description/Justification:

This project provides the non-federal match needed to repair the Basin Road trestle bridge. A recent bridge assessment reflects significant deterioration and a need for weight restrictions on this roadway, which provides the only surface access to one of the Capital City's primary drinking water collection sites. In the event of major maintenance needs at this drinking water site, heavy equipment access across the Basin Road trestle bridge is essential.

This project is included in the current STIP major amendment using federal formula bridge funds, not earmark dollars. The Department of Transportation and Public Facilities' Southeast Region staff estimates the project can bid before the beginning of the coming federal fiscal year, thus avoiding the 'time trap' that would disqualify the project for federal funding.

The City and Borough of Juneau recognized the importance of this repair, putting \$30,000 into initial assessment work. In addition to providing access to the drinking water system, the bridge is heavily used by recreationists accessing Perseverance Trail, and by tourism businesses bringing visitors to the historic mine sites accessible only over this bridge.

Reappropriation: Mission Road (Kodiak Island) - Upgrade and Repair \$207,600 **FY2009 Request: \$0**
Reference No: 45762

AP/AL: Appropriation **Project Type:** Construction
Category: Transportation
Location: Kodiak **Contact:** Frank Richards
House District: Kodiak (HD 36) **Contact Phone:** (907)465-3900
Estimated Project Dates: 04/19/2009 - 06/30/2012

Brief Summary and Statement of Need:

This amends an existing FY2009 project, increasing the FY2009 appropriation to \$782,600. The project includes removal and replacement of existing pavement and minor drainage improvements from Benny Benson Drive to a tie-in with the City of Kodiak's segment at the Salvation Army.

Funding:	<u>FY2009</u>	<u>FY2010</u>	<u>FY2011</u>	<u>FY2012</u>	<u>FY2013</u>	<u>FY2014</u>	<u>Total</u>
Gen Fund							\$0
Total:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

<input type="checkbox"/> State Match Required	<input checked="" type="checkbox"/> One-Time Project	<input type="checkbox"/> Phased - new	<input type="checkbox"/> Phased - underway	<input type="checkbox"/> On-Going
0% = Minimum State Match % Required		<input type="checkbox"/> Amendment	<input type="checkbox"/> Mental Health Bill	

Operating & Maintenance Costs:

	<u>Amount</u>	<u>Staff</u>
Project Development:	0	0
Ongoing Operating:	0	0
One-Time Startup:	0	
Totals:	0	0

Additional Information / Prior Funding History:

FY2009 - \$575,000

Project Description/Justification:

In the FY09 capital budget the department received \$575,000 to upgrade and repair Mission Road on Kodiak Island. The project includes removal and replacement of existing pavement and minor drainage improvements from Benny Benson Drive to a tie-in with the City of Kodiak's segment at the Salvation Army.

The Department designed the project and put it out to bid. The low bidder has come in higher than expected. The project work will resume this spring and is scheduled for completion in mid-summer of 2009, but the additional funding is needed to complete the project. The deterioration of the road requires that repairs be completed as soon as possible.

**Reappropriation: Su Valley High School Emergency
Repairs \$38,161**

**FY2009 Request: \$0
Reference No: AMD 48444**

AP/AL: Appropriation **Project Type:** Life / Health / Safety
Category: Transportation
Location: Matanuska Susitna Borough **Contact:** Frank Richards
House District: Matsu Areawide (HD 13-16) **Contact Phone:** (907)465-3900
Estimated Project Dates: 04/19/2009 - 06/30/2014

Brief Summary and Statement of Need:

Reapprop.

Funding:	<u>FY2009</u>	<u>FY2010</u>	<u>FY2011</u>	<u>FY2012</u>	<u>FY2013</u>	<u>FY2014</u>	<u>Total</u>
Gen Fund							\$0
Total:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

<input type="checkbox"/> State Match Required	<input type="checkbox"/> One-Time Project	<input type="checkbox"/> Phased - new	<input type="checkbox"/> Phased - underway	<input checked="" type="checkbox"/> On-Going
0% = Minimum State Match % Required		<input checked="" type="checkbox"/> Amendment	<input type="checkbox"/> Mental Health Bill	

Operating & Maintenance Costs:

	<u>Amount</u>	<u>Staff</u>
Project Development:	0	0
Ongoing Operating:	0	0
One-Time Startup:	0	0
Totals:	0	0

Additional Information / Prior Funding History: