

**Ted Stevens Anchorage International Airport - Postmark**      **FY2011 Request: \$3,300,000**  
**Emergency Storm Drain Replacement**      **Reference No: 49096**

**AP/AL:** Allocation      **Project Type:** Construction  
**Category:** Transportation  
**Location:** Anchorage Areawide      **Contact:** Christine Klein  
**House District:** Anchorage Areawide (HD 17-32)      **Contact Phone:** (907)269-0724  
**Estimated Project Dates:** 07/01/2010 - 06/30/2015  
**Appropriation:** Airport Improvement Program

**Brief Summary and Statement of Need:**

Replace approximately 1,900 linear feet of 48" diameter pipe along Postmark Road and Charlie Parking. Continued failure of this pipe may cause additional interruption of service, possible problematic storm drainage diversion to Lake Hood, and increased maintenance costs. This project contributes to the Department's Mission by reducing injuries, fatalities and property damage and by improving the mobility of people and goods.

| <b>Funding:</b> | <u>FY2011</u> | <u>FY2012</u> | <u>FY2013</u> | <u>FY2014</u> | <u>FY2015</u> | <u>FY2016</u> | <u>Total</u> |
|-----------------|---------------|---------------|---------------|---------------|---------------|---------------|--------------|
| IntAptCons      | \$3,300,000   |               |               |               |               |               | \$3,300,000  |
| <b>Total:</b>   | \$3,300,000   | \$0           | \$0           | \$0           | \$0           | \$0           | \$3,300,000  |

|   |  |                                       |   |                                   |
|---|--|---------------------------------------|---|-----------------------------------|
| <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            |
| <u>One-Time Startup:</u> | 0             |              |
| <b>Totals:</b>           | <b>0</b>      | <b>0</b>     |

**Additional Information / Prior Funding History:**

None.

**Project Description/Justification:**

One thousand nine hundred linear feet of the storm drain, the plastic (HDPE) pipe install in 1998, has significantly deteriorated, with pipe deformation and joint separation present. A portion of this pipe collapsed in 2008 and ANC Field Maintenance performed an emergency repair on that portion of the system. After repair of that section, the remaining plastic pipe was evaluated by video camera and it was determined that the entire length of pipe needs replacement and is at risk of another failure.

The project will decrease the chances of failure and interruption of service, which would require diversion of storm drainage to Lake Hood and another emergency repair. In 2008, the repair on 40' of collapsed pipe was \$70,000 in capital costs. Diversion of drainage to Lake Hood during winter months will negatively impact water quality and the lake water body recovery plan, resulting in further discharge restrictions and additional compliance costs.