

Anchorage International Airport: North Terminal Apron and Loading Bridge Reconstruction **FY2001 Request: \$2,200,000**
Reference No: 32502

AP/AL: Allocation **Project Type:** Construction
Category: Transportation
Location: Anchorage Areawide **Contact:** Kurt Parkan
House District: Anchorage Areawide (HD 10-26) **Contact Phone:** (907)465-3900
Estimated Project Dates: 07/01/2000 - 06/30/2004
Appropriation: Airport Improvement Program

Brief Summary and Statement of Need:

Replace existing asphalt aircraft parking area at the North Terminal Apron with concrete and realign aircraft parking position, fuel hydrant, and replace loading bridge as necessary to meet 747-400 aircraft separation standards. The work under this project includes modifying the parking position spacing while replacing existing parking areas with concrete, installing aircraft guide-in system, drainage improvements, and replacing the associated loading bridges with apron drive bridges. This project includes minor repairs and crack sealing of other airport pavements.

| Funding: | <u>FY2001</u> | <u>FY2002</u> | <u>FY2003</u> | <u>FY2004</u> | <u>FY2005</u> | <u>FY2006</u> | <u>Total</u> |
|-----------------|--------------------|---------------|---------------|---------------|---------------|---------------|--------------------|
| Fed Rcpts | \$1,400,000 | | | | | | \$1,400,000 |
| Int Airprt | \$800,000 | | | | | | \$800,000 |
| Total: | \$2,200,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$2,200,000 |

| | | | | |
|----------------------------------------------------------|-------------------------------------------|---------------------------------------|---------------------------------------------|----------------------------------------------|
| <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 |
| 7% = 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> | <u>0</u> | <u>0</u> |
| Totals: | 0 | 0 |

Additional Information / Prior Funding History:

Project Description/Justification:

The North Terminal aircraft parking apron was configured for Boeing 747-100 & 200 series aircraft. B747-400 series aircraft currently serving the airport cannot be accommodated at the North Terminal without reducing the number of simultaneous parking positions and requiring special operating procedures. The airport recently completed a North Terminal Apron/Loading Bridge Study, which evaluated the situation and recommended a parking plan to maximize aircraft parking.

The State-owned North Terminal loading bridges and apron hardstands are approaching 20 years old. The hardstands and surrounding asphalt are primarily rated in the poor and very poor conditions according to the Pavement Maintenance Management Program. Sections of the asphalt are rutting, cracking, settling, breaking up and creating foreign object debris. Replacing the apron with concrete improves the surface for operating heavy support equipment used to service wide-body aircraft. Concrete facilitates cleanup of petroleum spills because the concrete surface is less porous than asphalt. The life cycle cost for concrete is less than asphalt.

The loading bridges at the North Terminal are worn and require painting, reroofing, and major overhauls. The manufacturer is no longer in the loading bridge business, which makes them difficult to maintain, and replacement parts difficult to obtain. Most of the existing bridges do not accommodate narrow body aircraft and still meet ADA slope requirements.

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Modifying the parking position spacing allows parking for a variety of aircraft types. It additionally allows for simultaneous parking of wide wingspan aircraft like 747-400. Apron reconstruction and loading bridge replacement at the North Terminal would be completed as a multi-phased project similar to the South Terminal apron reconstruction