



RUNWAY 15/33
REHABILITATION
AND WIDENING
2019

TAXIWAY V
RECONSTRUCTION

GATE N10 TUG ROAD
RECONSTRUCTION

GATE N10 ACCESS CONTROL
IMPROVEMENTS

OTHER PROJECTS NOT SHOWN

- SOUTH TERMINAL ESCALATORS 3 AND 4 REPLACEMENT
- ELECTRONIC TERMINAL GUIDANCE SIGNS
- FLEET FUELING FACILITY & OUTLET CONTROL
- STRUCTURE (LAKE SPENARD)
- R 12-14 JOINT REPAIR
- R 12-14 LEAD IN LIGHTS
- ANC PARKING AND ACCESS UPGRADES (ADA)
- HORIZONTAL INFRASTRUCTURE EARTHQUAKE REPAIRS
- VERTICAL INFRASTRUCTURE EARTHQUAKE REPAIRS

TAXIWAY F
RECONSTRUCTION

2019 PROPOSED AIRPORT CONSTRUCTION PROJECTS*

*DRAFT CONSTRUCTION SCHEDULE - SUBJECT TO CHANGE



SIGNIFICANT 2019 ANC CONSTRUCTION PROJECTS

Runway 15/33 Rehabilitation

Project Description

Rehabilitate and widen Runway (RWY) 15/33 to accommodate Airplane Design Group VI (ADG VI) aircraft. This project will also relocate the southern displaced threshold of RWY 33 north approximately 200 feet to separate RWY 15/33 and RWY 7L/25R safety areas and relocate the threshold of RWY 15 approximately 100 feet north. Taxiway (TWY) R will be extended north 200 feet and TWY Q will be reconfigured to allow access to the end of RWY 15. The existing displaced threshold will be removed.

Benefits

RWY 15/33 is showing signs of advanced structural failure. There is alligator cracking occurring along sections of the runway. During construction, the runway structural section will be widened from 150 feet to 200 feet and strengthened which will allow for the newer Group VI aircraft to use the runway. LED runway lights will be installed to reduce operational and maintenance costs.

Taxiway F Reconstruction

Project Description

Reconstruct TWY F for Airplane Design Group (ADG) IV and Taxiway Design Group (TDG) 6. Improvements include; geometry updates to comply with current design standards; provide adequate structural section; replace lighting, markings and signs; repair/replace storm drainage; and adjust utilities as needed.

Reconstruct the taxiway structural section, as well as widen it at taxiway intersections, where necessary, to meet new intersection geometry standards for TDG 6 aircraft. Storm drain culverts and drainage ditches adjacent to the taxiway will be offset to accommodate the TSA widening. Elevated edge lighting on the taxiway will be relocated and replaced to match the relocated taxiway edge lines for the TDG 6 widening.

Benefits

Addressing TWY F ADG IV/TDG 6 deficiencies will allow ADG IV/TDG 6 aircraft to access businesses located along the taxiway.



ADA Parking and Access Upgrades (ADA)

Project Description

Provide American Disabilities Act (ADA) parking spaces in the landside vehicle parking lots and accessible routes of travel from those parking lots to the airport terminals. Work includes reconstruction and installation of curb ramps, sidewalks, parking spaces; signing; and striping as required to meet the Airport Disability Compliance Program requirements.

Benefits

Addressing ADA deficiencies will provide a positive experience for all travelers. Many ADA compliance items make access easier for everyone, regardless of ability.

LHD Taxiway V Reconstruction

Project Description

Reconstruct Taxiway Victor (TWY V) for ADG I and TDG 2 aircraft. Improvements include: provide adequate structural section; replace lighting, markings and signs; repair/replace storm drainage; remove old guard shack foundation adjacent to taxiway; and adjust utilities as needed.

Benefits

TWY V is the only taxiway connecting ANC to LHD. The 20+ year old pavement contains extensive cracking and rutting. Providing a new pavement surface and structural section will maintain the connection between ANC and LHD and allow continued use by ADG I and TDG 2 aircraft.

South Terminal Escalators 3 and 4 Replacement

Project Description

Replace two escalators serving the ticket lobby in the South Terminal. Ancillary work includes structural and architectural modifications.

Benefits

Safety will be improved for travelers using these escalators, and maintenance costs will be less as a result of this project. The existing escalators no longer meet code requirements, pose

“Providing for the safe movement of people and goods and the delivery of state services.”



safety concerns, are no longer supported by the manufacturer, and have reached their maximum useful life. Replacing the escalators will avoid the risk of the escalators being tagged out of service by the Municipality due to aforementioned reasons.

ANC Horizontal Infrastructure 2018 Earthquake Repairs

Project Description

Repair damaged horizontal infrastructure, e.g. roadways, pathways, and drainage pipes as caused by the November 30, 2018, earthquake.

Benefits

These sites are located on primary routes around the airport: key tenants and service providers use the routes daily to access both the landside and airside of ANC. As these roadways and pathways continue to deteriorate, the damage will become more extensive and expensive to repair affecting ANC operations and ANC businesses' and users' efficient access.

ANC Vertical Infrastructure 2018 Earthquake Repairs

Project Description

Repair damaged vertical infrastructure, e.g. sprinklers, stairways, and column reinforcements as caused by the November 30, 2018, earthquake.

Benefits

Completing these repairs will ensure the safe and efficient use of airport buildings for the travelling public, ANC tenants and ANC staff.



LESS SIGNIFICANT 2019 ANC CONSTRUCTION PROJECTS

ANC Electronic Terminal Guidance Signs

Project Description

Remove four existing terminal guidance signs along International Airport Road and replace with two electronic terminal guidance signs.

Benefits

Updating the terminal guidance signs will allow for real time editing and notifying of other informational messages for the traveling public.

Fleet Fueling Facility and Outlet Control Structure

Project Description

Replace leaking fuel containment sumps and install above ground junction boxes at the Fleet Fueling Facility. Install a new outlet control structure at Lake Spenard outfall.

The leaking sumps result in false fuel leak alarms. The existing power and communication conductors are in below-ground junction boxes that fill with water and freeze during the winter. The freeze/thaw breaks the conductors and shuts down the fuel dispensing operations.

Lake Spenard outfalls into the Wisconsin Street storm drain system through a 24" culvert. Currently, flow is controlled by a sandbag weir that leaks, which forces ANC to use water wells to maintain lake water elevations.

Benefits

Modification to the fueling facility will allow for the continued dispensing of fuel and tracking of fuel usage by Airfield Maintenance. Constructing an outlet control structure on the Lake Spenard Outfall will allow Airfield Maintenance to better control the flow of water out of Lake Spenard.



Gate N10 Access Control Improvements

Project Description

Provide the ANC Gate N10 Guard Shack employees the ability to quickly isolate the Secured Area from unauthorized vehicle and pedestrian access and from possible wildlife incursions.

Additional security fencing and automated inbound and outbound vehicle gates will be installed. Existing fencing between Gate N10 and the TWY V Gate may be realigned to provide the guard shack personnel greater field of view. Existing lighting will be evaluated to determine the need for additional lighting and motion detectors.

Benefits

Improved security measures will better prevent a security breach, wildlife hazard or serious accident, thus better protect aircraft, pilots, passengers, airport workers within the AOA, and the general public driving along the adjacent roadway.

ANC N10 Tug Road Reconstruction

Project Description

Reconstruct the structural section and apply new pavement markings to approximately 580 feet of the Eastern Tug Road from TW V to De Havilland Avenue.

Benefits

Reconstructing this section of tug road will allow airport partners to continue accessing the airport through Gate N10 and avoid vehicle damage and accidents due to a deteriorated roadway.

ANC R 12-14 Joint Repairs

Project Description

Remove and replace approximately 22,900 feet of liquid joint seal and perform approximately 196 square feet of elastomeric concrete repairs on RON 12-14 hardstands.



Benefits

This project will increase the life span of the hardstands and reduce the potential of damage to aircraft for all airlines using these wide-body cargo aircraft parking spots.

ANC R 12-14 Lead-in Lights

Project Description

Remove existing non-functioning lead-in lighting from Taxiway G1 to the RON 12-14 hardstands and replace with FAA-approved LED lead-in lights.

Benefits

Safety for all airlines using the wide-body cargo aircraft parking spots will be increased as new lighting will be more visible and provide easier access to these hardstands during periods of low visibility.