

AIRPORT COMMITTEE

Tuesday, November 29, 2016
Immediately following the Finance and Improvements Committee
(No earlier than 4:30 p.m.)
City Council Chambers

A G E N D A

1. [KLJ Change Order 01; Main Electric Gate 7 Loop Detector](#)
2. [Water Softener Purchase and Installation](#)
3. [Exit Lane Analytic Upgrade](#)
4. [Airport Landscape Project](#)
5. [KLJ Change Order 01; John Bean Technologies \(JBT\)](#)
6. [FAA 2017 Grant Pre-Application](#)
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MEMO TO: Airport Committee
FROM: City Clerk's Office
RE: Agenda for Tuesday, November 29, 2016 – No earlier than 4:30 pm

1. KLJ Change Order 01; Main Electric Gate 7 Loop Detector

The proposed [change order](#) is with respect to AIP 3-38-0037-052-2016, 1998 Terminal Building Demolition. It was discovered, the loop detector for Gate 7 was not complete, which requires airport personnel to manually open and close the gate. Part of the project is to upgrade this gate so it is on the current security system as the new terminal building. The loop detector completion is required so Gate 7 is fully operational post-construction for the airport.

A cost analysis was performed on the submitted quote from the Contractor and all costs are within industry standards. The proposed cost appears to be allowable and reasonable.

Fiscal Impact: The total cost for this work is \$2,834.11. After 90% FAA and 5% State responsibility, the City's 5% share is \$142.09. Staff requests an allocation of sales tax from the Landscaping project be moved to the 1998 Terminal Building Demolition.

It is recommended the Committee and Council approve payment to Main Electric for completion of Gate 7, pass an ordinance to amend the 2016 annual budget to increase the Airport professional service contract expenses and federal and state revenue, and further authorize the Airport Director to sign any necessary documents.

2. Water Softener Purchase and Installation

Since the opening of the New Terminal in February, 2016, excessive scaling and damage has occurred to several pieces of equipment in the kitchen of the Trestle Tap House. Although still under warranty, the manufacturer has refused to cover this damage as it is the result of hard water deposits, a condition which is not covered under warranty. [Purchase and installation of a water softener](#) will extend the life of the kitchen equipment and save money on these costly repairs.

The attached quotes from Mobray & Sons Mechanical Contractors and Main Electric indicate that a 64,000 grain water softener can be purchased and installed for a total cost of \$3,569.

Fiscal Impact: Staff is requesting an allocation of sales tax from the Landscaping project to water softener purchase and installation in the amount of \$3,569.

It is recommended the Committee and Council approve purchase of a water softener as well as approve the allocation of sales tax from the Landscaping project, and further authorize the Mayor to sign any necessary documents.

3. Exit Lane Analytic Upgrade

Design and construction of the new airport terminal included a new and relatively untested system for security of the exit lane. This automated system is designed to allow movement in a short hallway from the sterile-side of the terminal (i.e. the public portion of the terminal past the security checkpoint) to the non-sterile side (pre-security), while sounding an alarm and alert electronic monitoring systems if a person attempts to move in the opposite direction (non-sterile to sterile). The current system has an unacceptably high false alarm rate, indicating that a person is trying to breach security by moving in the opposite direction, when in fact no such attempt is being made. The result is that it has become necessary for Airport Staff to be physically present at every aircraft arrival to silence false alarms and to notify TSA that there is no security breach. This reduces staff productivity and runs contrary to the original purpose of the system.

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After much effort to fine tune the current system analytics, it has been determined that new analytics (and the requisite license) will be necessary in order for the system to function properly.

The [attached proposal](#) from MEI Technologies outlines the proposed changes designed to bring the system up to acceptable performance specifications. The total cost is \$6,667.

Fiscal Impact: Staff is requesting an allocation of sales tax from the Landscaping project to the Exit Lane Analytic Upgrade in the amount of \$6,667.

It is recommended the Committee and Council approve purchase of Exit Lane Analytic Upgrade as well as approve the allocation of sales tax from the Landscaping project, and further authorize the Mayor to sign any necessary documents.

4. Airport Landscape Project

Attached are the design and costs associated with completing the post-construction [landscaping at Minot International Airport](#). The proposal includes trees and shrubs from the Minot Forestry Department, mulch and labor from Double J Construction, and Engineering fees from Ulteig Engineering. The design has been reviewed and approved by the City Planning Department and conforms to all applicable City Codes.

Fiscal Impact: Total cost of the project is \$37,600. The project was original budgeted for \$108,000 through allocation of Sales Tax Revenue. Contingent upon approval of the Water Softener and Exit Lane projects, the Airport will be returning approximately \$60,247 in unused tax revenue.

It is recommended the Committee and Council approve the encumbrance of these funds for this project as well as approve the allocation of funds as outlined above, and further authorize the Mayor to sign any necessary documents.

5. KLJ Change Order 01; John Bean Technologies (JBT)

This Change Order is with respect to AIR020, Jet Bridges and Ramp Striping

The proposed change order, detailed below, is associated with the purchase and installation of Airport Jet Bridges and the subsequent painting of ramp markings on the New Terminal Ramp.

Item #1, referenced in attached record of correspondence from JBT as REF RQ No: 2922-3
Add \$21,042

The original contract award to JBT on this project was for the Base Bid only, which included only Gates 2, 3, 4 and 5. In anticipation of future use, the previous Airport Director requested that striping only be added to Gates 1 and 6. The original bid price of JBT for striping Gates 1 and 6 was \$17,269 each for a total of \$34,538. This was negotiated down to \$15,521 each for a total add to the project of \$31,042. However, some of the striping done in 2015 has been deemed unsatisfactory and unacceptable and JBT has offered a \$10,000 credit for warranty work to be completed by Minot Airport.

Item #2,
Add \$12,862

The original contract bid for jet bridge systems for this project was a public bid. There were three bidders; JBT, Ameribridge, and ThyssenKrupp. Each manufacturer has a proprietary system for fastening a weather seal between the jet bridge and the building. Therefore, the terminal design had to include only a generic wall design in the areas of attachment to the new building. When it was necessary to connect the jet bridge to the building to facilitate the jet bridge work, the wall of the building was not complete to accommodate the jet bridge connection in JBT's proprietary manner. Therefore, JBT had to demobilize and return to complete the work at a later date, resulting in a justifiable addition to their contract. The original request for an additional \$28,918 was negotiated down to \$12,862.

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Item #3, referenced in attached record of correspondence from JBT as REF RQ No: 2922-5.

Add \$7,890.75

The original design of the bag lift elevators called for a door opening on the north side of the lift and access to a rolling cart that would travel between the lift and the aircraft. The former Airport Director and airline ground crews expressed concern about being able to push this cart between the lift and the aircraft during periods of snow and ice in the winter, particularly because the north side of the building is completely in the shade in the winter. As a result of these discussions, a request was made for JBT to modify the bag lifts to move the doors to the east side of the lift and permanently mount the shelves within the lift. The lifts are now serviced by motorized tags. This resulted in additional cost to the manufacturer. The original request was for an additional \$10,521 but was negotiated to \$7,890.75.

Item #4, Add hail guards to the carrier heating/cooling units on the jet bridges.

Add \$2,839

The heating/cooling units for the jet bridges are exposed on the exterior of the system making the heat transfer fins susceptible to hail damage. Airport staff requested protective shields be added to each of the units. There are two units on each of four jet bridges, for a total of eight shields.

Fiscal Impact: The total cost for this work is \$44,633.75. The City bonded for this project in 2013 and 2015 and there are funds available within the project to cover this cost.

It is recommended the Committee and Council approve payment to JBT as well as approve the allocation of funds as outlined above, and further authorize the Mayor to sign any necessary documents.

6. FAA 2017 Grant Pre-Application

The Pre-Application for FAA funded capital projects is due to the Airport District Office on December 15th 2016. Upon Committee and Council approval, the Airport will submit Pre-Applications for the following budgeted capital projects in 2017:

- Runway End Identifier Lights (REIL) control box relocation and upgrade to LED technology (broken out of the cancelled runway relocation project from 2016) (\$252,500)
- Perimeter Road Re-construction (\$370,000)
- General Aviation North Apron Reconstruction (\$700,000)
- Snow Removal Equipment-Broom (\$600,000)

Fiscal Impact: There is no request for funds at this time. The City portion of these projects (if approved by the FAA) will be 5%. The FAA will fund 90% and the State 5%. The City portion, based on cost estimates, was included in the 2017 Capital Budget.

It is recommended the Committee and Council approve submission of these Pre-Applications to the FAA, and further authorize the Airport Director to sign any necessary documents.

7. Airport Activities, Reports and Project Updates

The Airport Director will give a presentation on Airport activities, reports and project updates.