AGENDA
RENO-TAHOE AIRPORT AUTHORITY
PLANNING & CONSTRUCTION
COMMITTEE MEETING

DATE & TIME:      Tuesday, May 17, 2016
                  10:00 a.m. (or immediately following the Finance & Business
                  Development Committee meeting)

LOCATION:    Reno-Tahoe International Airport
             Administrative Offices, Conference Room A/B
             Reno, Nevada

AGENDA:

I. Approval of Meeting Minutes from April 12, 2016

II. Public Comment (limited to 3 minutes)

III. Items to be Presented to the Planning and Construction Committee for Review and
     Recommendation to the Board:

   A. #16(05)-12 Authorization for the President/CEO to Award a Construction
      Contract for the De-Icing Materials Storage Facility Project at Reno-
      Tahoe International Airport, with Reyman Brothers Construction, in
      the Amount of $312,000

IV. Items to be Presented to the Planning and Construction Committee for Approval:

   A. None.

V. Items to be Presented to the Planning and Construction Committee for Discussion:

   A. None.

VI. Project Status Items to be Presented to the Planning and Construction Committee for
     Information:
A. Staff Report on the Aircraft Parking Apron – Concrete Pads Project at Reno-Stead Airport [Construction]
B. Staff Report on the Taxiway ‘C’ Reconstruction Project at Reno-Tahoe International Airport [Construction]
C. Staff Report on the Pavement Management System Program at Reno-Tahoe International Airport [Construction]
D. Staff Report on the De-Icing Materials Storage Facility Project at Reno-Tahoe International Airport [Construction]
E. Staff Report on the Disadvantaged Business Enterprise (DBE) -- Disparity Study being Conducted at Reno-Tahoe International Airport and Reno-Stead Airport
F. Staff Report on the Master Plan Project at Reno-Tahoe International Airport [Planning]
G. Staff Report on the Geographic Information System Project at Reno-Tahoe International Airport [Planning]

VII. General Member Comments, Questions & Items for Future Committee Meetings

VIII. Public Comment (limited to 3 minutes)

IX. Adjournment

Items will not necessarily be considered in the sequence listed. This meeting may be continued if all of the items are not covered in the time allowed. If the meeting is to be continued, the time and place will be announced at the end of the portion of the meeting to be continued.

Supporting Material: The designated contact to obtain supporting material is Claire Johnson, Clerk of the Board, P.O. Box 12490, Reno, NV, 89510 or 775-328-6410. Supporting material is also available at the Reno-Tahoe Airport (Administrative Offices) and at the scheduled meeting.

Members of the public who are disabled and require special accommodations or assistance at the meeting are requested to notify the Clerk of the Board in writing at P.O. Box 12490, Reno, Nevada 89510 or by calling (775) 328-6410 prior to the meeting date.

THIS NOTICE HAS BEEN POSTED AT THE FOLLOWING LOCATIONS:
1. Airport Authority Administrative Offices – 2001 E. Plumb Lane, Reno
2. Washoe County Administrative Offices – 1001 E. 9th Street, Reno
3. Reno City Hall – One East First Street, Reno
4. Sparks City Hall – 431 Prater Way, Sparks
RENO-TAHOE AIRPORT AUTHORITY BOARD OF TRUSTEES
PLANNING & CONSTRUCTION COMMITTEE
Minutes from the Meeting
April 12, 2016
10:13 a.m.

In Attendance:

Adam Mayberry, Trustee*
Jerry Hall, Trustee*
Lisa Gianoli, Trustee*
Marily Mora, A.A.E., President/CEO
Dean Schultz, A.A.E., Executive Vice President/COO
Ann Morgan, Fennemore Craig
Dan Bartholomew, A.I.C.P., A.A.E., Manager of Planning & Environmental Services
Lissa Butterfield, Senior Airport Planner
Dave Lazo, P.E., Manager of Engineering & Construction
Jamie McCluskie, VP of Planning, Engineering & Environmental Management
Faith Allen, Capital Improvements & Grant Coordinator
Rick Miller, Noise Analyst
Gary Probert, Senior Airport Project Manager
Lacy Glodowski, Administrative Assistant III
Shane Dyer, Dyer Engineering Consultants
Heath Hildebrandt, Dyer Engineering Consultants
Alex Fluken, Bruel & Kjaer

* Denotes Planning Committee member
** Denotes Planning Committee alternate

TOPICS DISCUSSED:

I. REVIEW OF MEETING MINUTES FROM FEBRUARY 9, 2016

A motion was made by Trustee Gianoli, seconded by Trustee Hall, and the Committee unanimously approved the minutes from the February 9, 2016 Planning & Construction Committee meeting.

II. PUBLIC COMMENT

None

III. ITEMS TO BE PRESENTED TO THE PLANNING AND CONSTRUCTION COMMITTEE FOR REVIEW AND RECOMMENDATION TO THE BOARD:
A. #16(04)-05 APPROVAL TO EXECUTE THE TWO-YEAR OPTIONAL EXTENSION OF THE EXISTING CONTRACT FOR AIRPORT NOISE & OPERATIONS MONITORING SYSTEM SERVICE WITH BRÜEL AND KJÆR EMS, INC., IN THE AMOUNT OF $247,986.

Staff gave a presentation requesting the Committee to recommend Board approval of the Two-Year Optional Extension of the Existing Contract for Airport Noise and Operations Monitoring System Service with Brüel and Kjær EMS, Inc., in the Amount of $247,986.

A motion was made by Trustee Gianoli, seconded by Trustee Hall, and the Committee unanimously recommended this item [#16(04)-05] go to the Board for approval at the upcoming Board meeting.

B. #16(04)-06 AUTHORIZATION FOR THE PRESIDENT/CEO TO EXECUTE A PROFESSIONAL SERVICES AGREEMENT FOR DESIGN SERVICES FOR THE AIRCRAFT PARKING APRON-CONCRETE PADS PROJECT AT RENO-STEAD AIRPORT, WITH DRYER ENGINEERING CONSULTANTS, IN THE AMOUNT OF $218,000

Staff gave a presentation requesting the Committee to recommend Board approval for Authorization for the President/CEO to Execute a Professional Services Agreement for Design Services for the Aircraft Parking Apron-Concrete Pads Project at Reno-Stead Airport, with Dryer Engineering Consultants, in the Amount of $218,000.

Trustee Mayberry asked for clarification as to whether staff is seeing a trend in larger, heavier aircraft at Reno-Stead. Staff confirmed that there has been a history of larger aircraft used specifically during BLM firefighting operations and with the Air Races. That has been a historical occurrence and has adversely impacted the condition of the asphalt apron. The proposed concrete pads will better accommodate increased use by heavy aircraft and minimize deterioration of the existing apron pavement.

A motion was made by Trustee Hall, seconded by Trustee Gianoli, and the Committee unanimously recommended this item [#16(04)-06] go to the Board for approval at the upcoming Board meeting.

IV. ITEMS TO BE PRESENTED TO THE PLANNING AND CONSTRUCTION COMMITTEE FOR APPROVAL:

None

V. ITEMS TO BE PRESENTED TO THE PLANNING AND CONSTRUCTION COMMITTEE FOR DISCUSSION:
A. Central Disposal Facility (CDF) Upgrade Project-Close Out & Budget Summary

Staff gave a presentation on the Central Disposal Facility (CDF) Upgrade Project-Close out & Budget Summary. The project was funded in the amount of $1,500,000 from the Passenger Facility Charge (PFC 11) program. The construction was completed on December 21, 2015. The initial contract with Walker River Construction for $918,370 was increased by $61,413 (6.7%) with two change orders to accommodate various field conditions and owner directed changes. The total program including soft costs, was completed for $1,302,867, which is $197,133 (13.1%) under budget.

VI. PROJECT STATUS ITEMS TO BE PRESENTED TO THE PLANNING AND CONSTRUCTION COMMITTEE FOR INFORMATION:

A. Staff Report on the Aircraft Parking Apron-Concrete Pads Project at the Reno-Stead Airport [Construction]
   This item was summarized in the monthly Project Status Report which was included in the monthly Board Packet. As there were no additional updates or questions regarding the information submitted, this item was not discussed further.

B. Staff Report on the NASA NUANCE Lab Project at Reno-Stead Airport [Construction]
   This item was summarized in the monthly Project Status Report which was included in the monthly Board Packet. As there were no additional updates or questions regarding the information submitted, this item was not discussed further.

C. Staff Report on the Taxiway ‘C’ Reconstruction Project at Reno-Tahoe International Airport [Construction]
   This item was summarized in the monthly Project Status Report which was included in the monthly Board Packet. As there were no additional updates or questions regarding the information submitted, this item was not discussed further.

D. Staff Report on the Central Disposal Facility Upgrade Project at Reno-Tahoe International Airport [Construction]
   This item was summarized in the monthly Project Status Report which was included in the monthly Board Packet. As there were no additional updates or questions regarding the information submitted, this item was not discussed further.

E. Staff Report on the Pavement Management System Program at Reno-Tahoe International Airport [Construction]
   This item was summarized in the monthly Project Status Report which was included in the monthly Board Packet. As there were no additional updates or
questions regarding the information submitted, this item was not discussed further.

F. Staff Report on the De-Icing Materials Storage Facility Project at Reno-Tahoe International Airport [Construction]
This item was summarized in the monthly Project Status Report which was included in the monthly Board Packet. As there were no additional updates or questions regarding the information submitted, this item was not discussed further.

G. Staff Report on the Disadvantaged Business Enterprise (DBE) – Disparity Study being conducted at Reno-Tahoe International Airport and Reno-Stead Airport [Construction]
This item was summarized in the monthly Project Status Report which was included in the monthly Board Packet. As there were no additional updates or questions regarding the information submitted, this item was not discussed further.

H. Staff Report on the Master Plan Project at Reno-Tahoe International Airport [Planning]
This item was summarized in the monthly Project Status Report which was included in the monthly Board Packet. As there were no additional updates or questions regarding the information submitted, this item was not discussed further.

VII. GENERAL MEMBER COMMENTS, QUESTIONS AND ITEMS FOR FUTURE COMMITTEE MEETINGS

Trustee Mayberry thanked Trustee Hall for his help and service in working with the Master Plan Committee.

VIII. PUBLIC COMMENT

None

IX. ADJOURNMENT

The meeting was called to order at 10:13 a.m. and was adjourned at 10:43 a.m.

AM: JM/lg

*** These draft minutes have not yet been approved and are subject to revision at the next regularly scheduled meeting. ***
STAFF RECOMMENDATION
Staff recommends the Board authorize the President/CEO to award a construction contract for the De-Icing Materials Storage Facility Project at Reno-Tahoe International Airport, with Reyman Brothers Construction, in the amount of $312,000.

PURPOSE
This action requests authorization for the President/CEO to award a construction contract for the De-Icing Materials Storage Facility Project at Reno-Tahoe International Airport with Reyman Brothers Construction. This action is in support of the Reno-Tahoe Airport Authority (RTAA) Strategic Priority #1 – Increase Air Service, and Strategic Priority #4 – Facilitate Economic Development at Both Airports, and the Guiding Principles of Safety and Security and Financial Integrity, as adopted in the RTAA Fiscal Year (FY) 2014-2018 Comprehensive Strategic Plan.

BACKGROUND
The project consists of modifications to an existing concrete tilt-up building located in the RTAA Airfield Maintenance Complex, for utilization as a De-Icing Materials Storage Facility. These materials consist of sand and de-icing pellets, for application to airfield and landside pavements for ice removal and skid resistance. The materials must be protected from the elements in a dry and non-freezing structure. Storage capacity and rapid access to these materials during winter storm events is required to enable RTAA snow removal crews to conduct their activities and ensure airfield pavements remain safe and operational during adverse weather conditions.

The proposed improvements include structural modifications, overhead door replacement, interior lighting upgrades, electrical modifications, plumbing modifications, heating system replacement, installation of interior containment walls, roof replacement, and site improvements. The existing structure was originally constructed in 1979 and was previously used as a paint shop. The 2,000 square foot building consists of one open space accessed by four overhead doors. This project will divide the interior space into two bays for separate storage of sand and sand/de-icing pellet mixture.

In order to determine project requirements and evaluate site locations, a program study was initiated with H+K Architects on August 28, 2013 (Administrative Award of PSA for $18,550). H+K Architects was selected from the Request for Qualifications (RFQ) for Annual Architecture and Engineering Services solicited by the RTAA Engineering Division.

The program study assessed various building types, materials, and locations for the proposed facility. This initial work was conducted with funding provided in the Passenger Facility Charge (PFC) 11 program. The preliminary cost estimates for construction of a new structure and related
site improvements exceeded prior budgetary estimates. In response to this fiscal constraint, the alternative to re-purpose the existing Airfield Maintenance Paint Shop as a sand storage building was adopted as a cost effective solution using existing resources.

The adoption of this alternative was considered to be a scope change in terms of the PFC program review by the Federal Aviation Administration (FAA). This required a new project description to be incorporated into the PFC 12 program to replace the original PFC 11 project narrative.

Design development proceeded on this basis, and a Professional Services Agreement (PSA) for design services was executed with H+K Architects on August 11, 2015 (Administrative Award of PSA for $29,500 and Amendment No. 1 for $1,800). H+K Architects conducted stakeholder coordination, completed the design work, and the contract documents were issued for bids in March 2016.

The project design and construction is funded as part of the PFC 12 program and incorporates consultation with signatory airlines and approval by the FAA. The construction documents were generated in accordance with FAA Advisory Circulars, and other applicable federal, state, and local requirements.

**DISCUSSION**

The De-Icing Materials Storage Facility project was publicly advertised and bids were opened on April 26, 2016. Bids were received from the following contractors:

<table>
<thead>
<tr>
<th>Bidder</th>
<th>Bid Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reyman Brothers Construction</td>
<td>$312,000</td>
</tr>
<tr>
<td>Truckee Meadows Construction</td>
<td>$319,760</td>
</tr>
<tr>
<td>Tricor Construction</td>
<td>$322,407</td>
</tr>
<tr>
<td>Bison Construction</td>
<td>$327,600</td>
</tr>
<tr>
<td>Ranger Construction</td>
<td>$331,900</td>
</tr>
<tr>
<td>Walker River Construction</td>
<td>$377,858</td>
</tr>
<tr>
<td>Architect’s Estimate</td>
<td>$320,701</td>
</tr>
</tbody>
</table>

The low, responsive, and responsible bidder is Reyman Brothers Construction, in the amount of $312,000. The basis of award is for the base bid and bid alternates 1 (roof replacement), 2 (exterior containment walls), and 3 (paint building exterior). The bids were reviewed for conformance with the bid requirements, and recommendation is being made to award the construction contract to Reyman Brothers Construction.

The construction will require 60 calendar days to complete. The work is scheduled to start in August 2016, and will not have a significant impact on current RTAA Airfield Maintenance operations.
Construction Management services shall be procured separately with Amendment No. 2 (Work Order 16-02) to the 2016 Construction Management (CM) Professional Services Agreement with Atkins North America, for approval by administrative award, contingent on award of the construction contract. The table below is an estimate of the total program costs:

<table>
<thead>
<tr>
<th>Design / Pre-Construction Services</th>
<th>Construction Management</th>
<th>Construction</th>
<th>Other Direct Costs</th>
<th>Estimate At Completion</th>
</tr>
</thead>
<tbody>
<tr>
<td>$18,550 (Prog. Study)*</td>
<td>$42,900</td>
<td>$312,000</td>
<td>$13,250</td>
<td>$418,000</td>
</tr>
<tr>
<td>$31,300 (Design)**</td>
<td></td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

* Funded by PFC 11  
** Funded by PFC 12

Other Direct Costs include, but are not limited to, permits, utility company fees, environmental testing, legal advertisements, printing, and administrative costs. Also included is environmental remediation for removal of existing roofing materials to be conducted by the RTAA under a separate contract with Advance Installations Inc. for $9,955.

The Estimate At Completion (EAC) is a preliminary estimate for budgetary purposes only.

**COMPANY BACKGROUND**

Reyman Brothers Construction was established in 1977 and is located in Sparks, Nevada. The Project Manager and Superintendent for this project reside in the cities of Reno and Sparks, Nevada. Significant portions of the work associated with this project are expected to be performed with locally based subcontractors and material suppliers. Reyman Brothers Construction has performed a wide range of projects including commercial, industrial, historical preservation, and public works projects.

**FISCAL IMPACT**

This construction contract in the amount of $312,000 will be funded by the Passenger Facility Charge (PFC 12) program. The program budget consists of prior charges of $18,550 to PFC 11 and the initial PFC 12 budget of $380,000 is augmented with an additional $19,450 available in PFC 12 for a total of $418,000. The amount of $312,000 is allocated for construction.

**COMMITTEE COORDINATION**

This item is scheduled to be presented at the May 17, 2016 Planning and Construction Committee meeting.

**RECOMMENDED MOTION**

It is hereby recommended that the Board adopt the following motion:

“It is hereby moved that the Board authorizes the President/CEO to award a construction contract for the De-Icing Materials Storage Facility Project at Reno-Tahoe International Airport, with Reyman Brothers Construction, in the Amount of $312,000, and authorize the President/CEO or her designee to sign.”

MMM/dl/cj
RENO – TAHOE INTERNATIONAL AIRPORT
DE-ICING MATERIALS STORAGE FACILITY
RENO-TAHOE AIRPORT AUTHORITY  
PLANNING AND CONSTRUCTION COMMITTEE  
PROJECT STATUS REPORT  
MAY 2016  

Reno-Stead Airport Projects  

Aircraft Parking Apron – Concrete Pads (Stead)  
A Request for Qualifications (RFQ) was solicited in January 2016 for the selection of a Consultant for design services. Statements of Qualifications (SOQ) were received from five submitting firms on February 11, 2016. The Evaluation Committee met on March 3, 2016 to make a selection of the most qualified consultant. Dyer Engineering Consultants was determined to be the most qualified consultant by the evaluation committee. The Professional Services Agreement (PSA) for design services was subsequently negotiated with the Consultant. The agreement with Dyer Engineering Consultants, in the amount of $218,000, was approved at the April 2016 Board meeting.

The project consists of providing design services for constructing three Portland Cement Concrete Pavement (PCCP) aircraft parking pads (approximately 60,000 square feet) in the existing asphaltic concrete (AC) aircraft parking apron. The location and configuration of the concrete pads will be determined as part of the schematic design phase. As part of the design process, specific project requirements and design features for the project will be developed in collaboration with project stakeholders. The design services shall include construction phasing plans to accommodate aircraft taxiing, parking, and contingency plans for aircraft and special event operations during construction.

The design work will initially be funded by the RTAA Special Fund, pending reimbursement from a subsequent Airport Improvement Program (AIP) grant. The Federal Aviation Administration (FAA) requested a grant pre-application covering design and construction in March 2016. An updated grant application will be submitted after the construction bid opening. The estimated budget for this program including design, construction, and administration is $2,775,000. The design shall be in accordance with FAA Advisory Circulars and other applicable federal, state, and local requirements.

The design work is scheduled for completion in August 2016, in order for the construction package to be issued for bids. A separate construction contract will be presented for approval at the September Board meeting, contingent on AIP funding. The construction is scheduled to start in late September, after the National Championship Air Races, for completion in November 2016.

Reno-Tahoe International Airport Projects  

Taxiway “C” Reconstruction Project (Reno)  
The project consists of reconstruction of approximately 11,300 square yards of existing Asphaltic Concrete (AC) taxiway pavement. Taxiway “C” is east of Runway 16L-34R and serves the GA East facilities, Atlantic Aviation Fixed Base Operator (FBO) facilities, and aircraft parking aprons. The work consists of demolition and reconstruction of the existing taxiway between Taxiway D and Taxiway L. The project includes excavation, stabilizing fill, base, asphalt or concrete pavement, drainage, utilities, signage, and pavement markings.
The AIP grant offer for design services was issued by the FAA on July 30, 2014. A Request for Qualifications (RFQ) was solicited in September 2014 and the Statements of Qualifications (SOQ) were evaluated by the Selection Committee on October 15, 2014. The Professional Services Agreement (PSA) for the design work with Wood Rodgers, Inc. in the amount of $595,800 was approved at the November 2014 Board of Trustees meeting.

The Basis of Design (BOD) report evaluated a cost comparison between asphalt and concrete pavement. Project requirements and design features for the project were developed in collaboration with project stakeholders as part of the design process. The design services included construction phasing plans, an operational plan accommodating runway and taxiway closures, and contingency plans for aircraft operations during construction.

The construction contract was issued for bids in April 2015, with the Pre-Bid meeting on April 16, and the bid opening on April 23, 2015. The construction contract with Granite Construction Company, in the amount of $8,308,308 was approved at the May 2015 Board meeting, contingent on a pending FAA grant offer. Programming of construction funding was discussed with FAA ADO Program Managers during their visits to Reno-Tahoe International Airport (RNO) on December 1, 2014 and on March 24, 2015. The FAA indicated that AIP entitlement funding was available, and requested the RTAA to submit a grant pre-application, pending the bid opening on April 23, 2015. Subsequent to the bid opening, the final grant application was submitted to the FAA on April 28, 2015. The grant offer was received in early July and construction began later that month.

Stakeholder coordination meetings were conducted in March, April, and May 2015 with various stakeholders including: FAA, tenants, airlines, and Airport users. The Construction Phasing Plan was presented to the RTIA Users Committee on May 18th, the FAA Air Traffic Control and Airport tenants at the Safety Risk Management System (SRMS) meeting on June 17th, Airline Station Managers on June 23rd, and the Reno-Tahoe Aviation Group on July 8, 2015.

Various taxiway and runway closures are being implemented during the course of construction, in accordance with the Construction Phasing Plan. The plan consists of ten separate work areas, with corresponding alterations to aircraft taxiing routes and Vehicle Service Road (VSR) alignments during construction. Tenant Bulletins will be issued for each phase of construction and other significant activities.

Additional coordination was conducted to sequence the Taxiway “C” work with the Atlantic Aviation Apron Reconstruction project. The Atlantic Apron is a tenant improvement project that began on August 10, 2015. Atlantic Aviation retained Granite Construction Company as the contractor for the apron project. Meetings were conducted to coordinate construction activities between both projects.

The Notice to Proceed for Taxiway “C” was issued to Granite Construction Company on July 27, 2015. Portions of Taxiway “C” are currently closed for construction and alternate aircraft taxiing routes are in effect. Asphalt paving for the north section of the new Vehicle Service Road (VSR) was completed on August 14th. Work on the north end (Phase III-C) and south end (Phases I-A & I-C) of the new Taxiway “C” concrete pavement was completed on October 20, 2015.

Reconstruction of the center portion of Taxiway “C” started on October 21st with Phases II-A and II-B was to continue until January 19, 2016. Runway 16L-34R was to be closed for 20 days for the tie-in of
Taxiway “J” to Runway 16L-34R from December 14, 2015 to January 2, 2016 (Phase II-C). Construction was scheduled for completion on January 22, 2016.

Subsequently, the project was placed into a winter shutdown due to severe weather conditions. Unusually low day time temperatures prevent construction of asphalt shoulders and may affect proper curing of the remaining concrete pavement.

Interim measures were implemented by the Contractor, installing temporary asphalt shoulders within the Runway Safety Area (RSA) at the Taxiway “J” connector to Runway 16L/34R. This allows the re-opening of Runway 16L/34R for the duration of the winter shutdown. **Compacted aggregate base shoulders were installed outside the RSA and barricades placed at the appropriate locations.**

The winter shutdown shall be at no additional cost to the Owner and commenced on December 31, 2015 with the opening of Runway 16L/34R. **Construction would resume in the spring, subject to weather conditions.** Staff has had numerous discussions with the affected stakeholders regarding this construction schedule change. A project update was presented to the Reno–Tahoe International Airport Users Committee on February 8, 2016.

Work resumed on April 18, 2016 for a duration period of approximately 45 days, to complete the remaining construction. The concrete work on Taxiway “C” was completed on April 26 and the asphalt shoulders were finished on May 5. The connection of Taxiway “J” with Runway 16L/34R was also completed on May 5. The final work to complete the mid-section of the Vehicle Service Road (VSR) started on May 6, 2016. Additional soil stabilization may be required on portions of the remaining VSR, to remediate saturated soil areas due to adverse winter conditions. The project completion date is scheduled for May 27, and may be extended to the first week of June 2016, contingent on the duration of the additional soil stabilization work.

**Pavement Management System Program (Reno)**
The Professional Services Agreement (PSA) with Stantec Consulting for the 2016 Airfield and Landside Pavement Management System (PMS) Program, in the amount of $240,800, was approved at the January 14, 2016 Board meeting. The services consist of airfield pavement inspections (annual update), airfield pavement repairs and rehabilitation (2016 design work - Phase 11), landside pavement inspections (2016 annual update), and RNO landside pavement rehabilitation (2016 design work). The program is funded from the Fiscal Year (FY) 2015-2016 Capital Improvements Budget.

**2016 Airfield Pavement Maintenance** – A Notice to Proceed (NTP) was issued in February for Stantec to conduct design services and generate contract documents (plans and specifications), to be issued for bids in summer 2016. Additionally, bids for the 2015 work, which were deferred due to the Taxiway “C” construction project, will be included for construction in 2016. The Pre-Bid meeting, bid date, and start of construction will be scheduled as part of the design and bidding process. The bid opening will be coordinated with the related presentation for a separate construction contract approval at the appropriate Board meeting (summer 2016). The construction schedule will also be developed during the design phase to establish duration and project milestone dates. This work will require closures of Runway 16R-34L and Taxiway B. The Runway closure will be coordinated with RTAA Airside Operations, Airline Station Managers, and FAA Air Traffic Control.
2016 Landside Pavement Maintenance – A Notice to Proceed was issued for Stantec to conduct design services and generate contract documents (plans and specifications) to be issued for bids in summer 2016. The Pre-Bid meeting, bid date, and start of construction will be scheduled as part of the design and bidding process.

**De-Icing Materials Storage Facility**
The project consists of the design and remodeling of the existing Airfield Maintenance (AFM) Paint Shop for use as a De-Icing Materials storage facility. The existing 1,900 square foot concrete building will be modified with sand and De-Icing material containment bays. The work consists of demolition, containment bins, overhead door replacement, lighting, heaters, exhaust fans, paving, and fencing. Roof replacement is also included as an alternate bid item.

The initial work was a Feasibility Study evaluating various sites. The alternative to re-purpose the existing AFM Paint Shop was adopted as a cost efficient solution that provides unobstructed access from the airfield. The project requirements and preferred alternative were vetted in the programming phase, allowing the design work to proceed with adaptation of the existing structure. The Professional Services Agreement (PSA) with H+K Architects, in the amount of $18,550 for the Feasibility Study and $31,300 for design, was approved by Administrative Award.

The preliminary cost estimates were used for cost comparison between construction of a new facility and the modification of the existing AFM Paint Shop. Project requirements and design features for the project were developed in collaboration with project stakeholders as part of the design process. The design services and construction plans include accommodations for adjacent airfield maintenance operations during construction.

The construction documents were issued for bids on March 22, the Pre-Bid meeting was conducted on April 12, 2016 and bids were opened on April 26, 2016. The construction contract with Reyman Brothers Construction, in the amount of $312,000, will be presented for approval at the May 2016 Board meeting. The total program budget of $418,000 consists of $18,550 from the Passenger Facility Charge (PFC 11) program and $399,450 from PFC 12. Construction is scheduled to start in August 2016, with a duration period of 60 days.

**Disadvantaged Business Enterprise (DBE) - Disparity Study (Reno)**
Disparity studies are used to establish Disadvantaged Business Enterprise resource metrics for federally funded programs. The proposed study will quantify the availability of DBE resources and the actual utilization in contracts conducted by agencies. The potential differential between availability and utilization (i.e. “disparity”) will be examined to evaluate participation levels in contracts subject to DBE guidelines.

The RTAA entered into an Inter-Local Agreement (Board Memo #15(02)-05, dated February 4, 2015) with other public agencies (Consortium) for the purpose of conducting a Disparity Study. Joint participation allows the costs of the study to be pro-rated to the various agencies based on their history of capital projects. The participating agencies are McCarran International Airport (Clark County), Regional Transportation Commission of Southern Nevada (RTC – Southern Nevada), Regional Transportation Commission of Washoe County (RTC – Washoe County) and Reno-Tahoe Airport Authority (RTAA). The overall cost of the study is $689,215, with the RTAA share being $110,608. BBC Consulting was retained by the Consortium to conduct the Disparity Study. The program initiation meetings were held in southern Nevada on August 10th and 11th and in northern Nevada.
(RTIA) on August 12th. A procurement outreach session, facilitated by the Governor’s Office of Economic Development (GOED) was conducted on October 15, 2015 at Truckee Meadows Community College (TMCC). A public hearing for the disparity study was conducted on October 21, 2015 at the Regional Transportation Commission (RTC) – Washoe County.

The Disparity Study consists of thirteen separate project tasks including, public outreach, data gathering, market analysis, and evaluation of DBE availability and utilization. The Consultant is currently analyzing DBE utilization data from recent construction projects by the participating agencies. The project timeline is fourteen months in duration and is scheduled for completion in September 2016.

**Airport Master Plan (Reno)**
The Airport Master Plan Selection Committee met on Thursday, April 14, 2016 and evaluated the twelve (12) Statements of Qualifications that were received in response to a formal Request for Qualifications (RFQ) advertisement for airport master plan consultant services for the Reno-Tahoe International Airport. The Selection Committee, consisting of five (5) RTAA staff and one (1) trustee, short-listed four (4) teams for formal interviews. Formal interviews, before an expanded Selection Committee consisting of five (5) RTAA staff and four (4) trustees, are scheduled for May 10 and May 12, 2016. Upon completion of the last interview, the Selection Committee will evaluate the four (4) teams and determine a final one (1) through four (4) ranking. Planning staff will begin scope development and fee negotiation with the top-ranked team soon after. Upon completion of scope and fee negotiation, the Selection Committee’s recommendation and the associated professional services agreement will be brought before the Board for consideration no earlier than the June 9, 2016 Board meeting.

**Electronic Airport Layout Plan (eALP) and Geographic Information System (GIS)**
The Federal Aviation Administration (FAA) has reviewed the Reno-Tahoe International Airport electronic Airport Layout Plan (eALP) data and found all submitted data in compliance. Next steps include uploading (by the FAA) the approved obstruction data into the official obstruction chart, generating a hardcopy ALP, and finalizing the design of Geographic Information System (GIS) applications and their respective integration with existing core RTAA business systems.