PUBLIC MEETING
GRAND COUNTY AIRPORT BOARD
REGULAR MEETING
AGENDA

January 7th, 2019
5:00 P.M.
County Council Chambers
125 E Center St
Moab, UT 84532

A. Call to Order
B. General Business
   1. Approve minutes of 12/3/2018 Airport Board meeting.
   2. Airport Monthly Data.
C. Citizens to be heard
D. Discussion and Consideration Items for Action by County Council.
   1. Recommendation for Airport Board officers.
   2. Interview and recommend individual(s) for one airport board member position starting January 2019, per request to revisit from County Council 1/2/19 meeting.
E. Discussion Items
   1. Discussion of taxilane expansion design.
   2. Discussion of County Zoning.
   3. Development of a projected future list of grant eligible projects for CNY.
F. Future Considerations
G. Closed Session (if necessary)
H. Adjourn

Those with special needs requests wishing to attend Airport Board meetings are encouraged to contact the County two (2) days in advance of these events. Specific accommodations necessary to allow participation of disabled persons will be provided to the maximum extent possible. Requests, or any questions or comments can be communicated to: (435) 259-1346.

Posted by: Judd Hill, Airport Director

______________________________________________________
Date _____________ Time __________
A. Call to Order
   1. Meeting called to order at 17:04 by Chairman Groff
   2. Members Present: Bill Groff (Chair), Jody Patterson (Vice-Chair), Bill Hawley, Norm Knapp, Rory Paxman (Council liaison).
   3. Members Absent: Bob Greenberg, Karen Guzman-Newton, Howard Trenholme
   4. Others Present: Judd Hill (CNY staff), Armstrong Consultants

B. General Business
   1. Approve minutes of 10/01/18 and 11/5/18 Airport Board meetings.
      a. Motion to approve minutes of 10/01/18 by Knapp, 2nd by Hawley. Motion passes unanimously.
      b. Motion to approve minutes of 11/5/18 by Patterson, 2nd by Hawley. Motion passes unanimously.

B. General Business
   2. Airport Monthly Data.
      a. Data not present due to early date of month.

B. General Business

C. Citizens to be heard
   1. Jeremy Nevin discussed desire to develop additional parking structures. Discussion expanded to requirements to get land formally transferred from airport use to non-aeronautical use by FAA.

D. Discussion and Consideration Items for Action by County Council.
   1. Recommendation for Airport Board meeting dates and times for 2019.
      a. Motion by Knapp, 2nd by Patterson to leave airport meetings the same.
      b. Meetings at 5PM on the 1st Monday of the Month at the County Council Chambers unless that day is a holiday, then the meeting will take place the following Monday.
      c. Motion passed unanimously.

D. Discussion and Consideration Items for Action by County Council.
      a. Only 1 statement of qualifications was received; that by Montgomery Archaeological Consultants of Moab, UT.
      b. Vice-chair Jody Patterson is a principle with the company, and refrained from discussion, except to answer questions regarding the presentation to avoid a conflict of interest.
      c. A motion was made to recommend Montgomery Archaeological Consultants to the council by Hawley, 2nd by Knapp.
      d. Motion passed 3-0-1, with Patterson abstaining.

D. Discussion and Consideration Items for Action by County Council.
   3. Recommendation on standardized requirements for taxilane development.
      a. A motion was made to recommend to the Council that the County adopt a standardization of design and construction for taxilanes around new hangars if the owner wishes to build prior to when installed by the County.
      b. Motion made to recommend by Hawley, 2nd by Knapp. Motion passed unanimously.

D. Discussion and Consideration Items for Action by County Council.
   4. Recommendation of a 2,000 sq. ft hangar lease to Ken Lord.
      a. This hangar location would be on existing paved taxilane.
      b. A motion to recommend a hangar lease for Ken Lord to County Council made by Knapp, 2nd by Patterson; motion passed unanimously.
5. Recommendation of an 8,000 sq. ft. hangar to Ben Byrd.
   a. This hangar would not be on existing taxilane space.
   b. A motion to recommend a hangar lease for Ben Byrd to Council made by Hawley, 2\textsuperscript{nd} by Knapp; motion passed unanimously.

E. Discussion Items
   1. Discussion of hangar lease for Jay Kamberlino (sp?).
   2. Update on hardstand and ramp expansion projects (Armstrong Consultants).
   3. Development of a projected future list of grant eligible projects for CNY.

F. Future Considerations
   1. Discussion of airport zoning.
   2. Jay Kamberlino (sp?) lease.

G. Closed Session (if necessary)
   1. None.

H. Adjourn
   1. Meeting adjourned at 19:30.

Submitted by: Judd Hill, Airport Director
## Canyons Field Airport Data 2018

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|                      |            | $313.32   | $251.32   | $145.10   | $45.50    | $24.50    | $830.22   |             |
|                      | Pinnacle Helicopter | $538.40 | $538.40 | $538.40 | $538.40 | $538.40 | $538.40 | $24,327.00 |
|                      | Pinnacle Billboard | $139.20 | $139.20 | $139.20 | $139.20 | $139.20 | $139.20 | $139.20 |
|                      | SkyWest/United | $2,727.91 | $2,727.91 | $2,727.91 | $2,727.91 | $2,727.91 | $2,727.91 | $21,623.28 |
|                      | Moab Sun News | $13.00 | $13.00 | $13.00 | $13.00 | $13.00 | $13.00 | $13.00 |
|                      | Enterprise | N/A | N/A | N/A | N/A | N/A | N/A | $0.00 |
|                      | Canyonlands Car | N/A | N/A | N/A | N/A | N/A | N/A | $325.00 |
|                      | Papa Joe’s | N/A | N/A | N/A | N/A | N/A | N/A | $325.00 |
|                      | All Day Cash | $538.40 | $538.40 | $538.40 | $538.40 | $538.40 | $538.40 | $21,623.28 |
|                      | Skydive Moab Billboards | $696.00 | $696.00 | $696.00 | $696.00 | $696.00 | $696.00 | $5,558.00 |
|                      | CNV Ballooning Billboard | $278.40 | $278.40 | $278.40 | $278.40 | $278.40 | $278.40 | $2,227.20 |
|                      | TOTAL | $9,707.87 | $9,707.87 | $10,357.87 | $10,357.87 | $10,357.87 | $10,357.87 | $82,888.96 |

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1. The heaters in the terminal building were not properly designed in the expansion area of the terminal. CNY staff had called the issue out during design, but was over-ruled by mechanical engineers. Now expansion will have to be retro-fitted at a premium cost. Currently waiting for cost estimate from mechanical and electrical companies.

2. The sole well of the airport sprung a leak. The well was excavated, using County emergency funds, and fixed. Then it leaked again. Nelco came back (under original contract) and fixed issue again. We did not have to go off-line for any extended period of time.

3. There have been multiple snow events. Due to ice and snow, the airport has had to close on several occasions. We do not have sufficient snow removal equipment to remove snow in the required amount of time because of the increased size of the runway and ramp.

4. ARFF 1 currently has a break issue. The truck is still online, but will only operate in response to an actual emergency. Parts have been ordered, and we are currently working on a procedure to provide coverage for flights when the truck is off-line for repairs.

5. Attended U.A.O.A. board meeting in SLC.

6. METAR data went off-line, causing an issue for inbound commercial aircraft. The weather station was online, but the distribution of the data was experiencing issues due to the FAA taking over from the National Weather Service. CNY is looking into getting staff certified as weather observers to be able to bypass the same problem in the future (extended training and extensive cost in equipment).

7. 2018 ended with over 10,000 enplanements with the airline, and almost 14,000 for the airport, despite being closed for four months.

8. Grand Circle convenience store has opened in the terminal building. They are using the winter months to figure out the optimal time for staffing, and determining merchandise needs.

9. GRAMA request on runway construction documents.

10. With new 2019 budget funds, have begun getting infrastructure so that we can begin to collect overnight parking fees ($3/night).

11. Will be changing the ground transportation so that shuttles and taxis operate out of the new main entrance instead of standing at baggage claim and parking in front of south entrance.
12. Met with planning and zoning, and private company to explore the possibility of converting land south of Blue Hills Rd to a solar farm. This area may theoretically provide enough energy to power Grand County.

13. Discussions with FAA about conversion of land to non-aeronautical use due to federal government shutdown. This will affect both storage garage project and solar.

14. Safety/security: 1) No significant safety or security incidents.

-End of Report- Respectfully submitted by: Judd Hill, CNY Director
such office until the next meeting in January, and until his or her successor is nominated and appointed (pursuant to the provisions of Section 2 above), or until his or her earlier death, resignation or removal.

b) Should the office of Chairperson or Vice-Chairperson become vacant as a result of resignation or removal, the Board shall select a successor at the next regular meeting for the unexpired term of such office. When the office of Secretary becomes vacant, the Airport Director shall appoint a successor.

7. SELECTION OF CHAIRPERSON

Each even-numbered year the Board at its first regular meeting in February shall select one of the Members to serve as chairperson of the Board (the “Chairperson”). The Chairperson shall be the principal officer of the Board and, subject to the control of the Members, shall in general supervise and control all of the business and affairs of the Board. The Chairperson shall, when present, preside at all meetings of the Board.

8. SELECTION OF VICE-CHAIRPERSON

Each even-numbered year the Board at its first regular meeting in February shall select one of the Members to serve as vice-chairperson of the Board (the “Vice-Chairperson”). In the absence of the Chairperson, or in the event of his or her death, inability or refusal to act, the Vice-Chairperson shall perform the duties of the Chairperson, and when so acting, shall have all the powers of and be subject to all the restrictions upon the Chairperson. The Vice-Chairperson shall perform such other duties as may be assigned by the Chairperson or by the Board.

9. SECRETARY

A full-time Grand County employee, working in the Department of the Airport, will act as a secretary of Board meetings (the “Secretary”). This employee will be the Airport Director, or his or her designee.

10. QUORUM OF THE BOARD

A simple majority of the Members constitutes a quorum for the transactions of business. The Board may act officially by an affirmative vote of a majority of the Members of a quorum, unless it is otherwise provided for in the ordinance creating the Board.

For the purpose of a closed session, the Board must vote in a supermajority (two-thirds of Members present) to go into a closed session.

11. RECORD OF MEETINGS

The Board shall cause written minutes of its proceedings, to be kept available for public inspection, which such minutes will be prepared by the Secretary. Minutes will be kept on record in the office of the Airport Director, and made available electronically on the Grand County website. The Board shall record in the record the yea and nay votes cast by the Members with regard to any action taken by the Board.

Bylaws of the Grand County Airport Board
Approved by the Grand County Council on April 3, 2018
## Agenda Summary

### Grand County Council Meeting

**January 2, 2019**

**Agenda Item:** 1-1

| **Title:** | Approving Volunteer Appointment(s) to District and County Boards and Commissions:  
1. Airport Board |
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fiscal Impact:</strong></td>
<td>None</td>
</tr>
<tr>
<td><strong>Prenter(s):</strong></td>
<td>Rory Paxman, Council Liaison for the Board</td>
</tr>
</tbody>
</table>

### Recommendation:

I move to approve the appointment of Robert Greenberg, with term expiring 12/31/2022, to serve on the Airport Board and authorize the Chair to sign all associated documents.

### Background:

The Airport Board met in an open meeting and reviewed two applications submitted for one open vacancy as of 12/31/2018. The Board voted to forward the recommendation of applicant Robert Greenburg to County Council for appointment, with terms expiring 12/31/2022.

Other application received:

Roger Stone

Resolution No. 3007 established a board appointment process and requirements of board members, commissioners, and committees. Board Members agree, in signing the application, to abide by Conflict of Interest Ordinance No. 462.

Upon appointment, the Council’s Office will mail the appointees a letter congratulating them and inviting them to a training/orientation to be scheduled for 2019.

### Attachment(s):

1. Board Recommendation  
2. Applications Received  
3. Resolution 3007  
4. Ordinance 462
December 4th, 2018

Grand County Council
125 E. Center Street
Moab, UT 84532

Re: Airport Board Recommendation Letter

Dear Grand County Council Members:

The Airport Board received two (2) applications for one (1) open vacancy; one application (Greenberg) was received 5 days after the deadline, but prior to the board meeting. The Airport Board met on December 3rd, 2018 and interviewed both candidates, Roger Stone and Robert Greenberg.

On December 3rd, 2018 the Airport Board met in an open meeting and voted unanimously (3-0-1, Greenberg abstained) to recommend to Council Robert Greenberg to a term ending 12/31/2022.

Thank you,

Judd Hill
Board and Commission Application and Certification Form

Instructions: Complete and sign this form and return it to Grand County Council Office, 125 E. Center St., Moab, UT 84532; fax: 435-259-2574; or council@grandcountyutah.net

Board or Commission Position Applied For: Airport Board

Name: Bob Greenberg

Mailing Address: 453 E Center

City: Moab State: UT ZIP Code: 84532

Day Phone: 260 4665 Email Address: bobgmoab@gmail.com

In what year did you establish your current residency in Grand County? 1978
(residency is required for all Boards; some District boards require residency within the District, which may not include Moab City limits; two years' residency prior to assuming board membership is required for Planning Commission)

If not Grand County, which county do you reside in? (applicable for Historical Preservation Commission and Housing Authority of Southeastern Utah) Retired

Occupation or professional training: Retired

List your work experience that is relevant to your application for a position on the Board or Commission for which you are applying (If needed, attach a separate page):

Many terms on airport board including serving as chair or vice chair.

_________________________________________

_________________________________________

_________________________________________

_________________________________________

_________________________________________
List your non-work experience that is relevant to your application for a position on the Board or Commission for which you are applying:

__________________________________________________________________________
__________________________________________________________________________
__________________________________________________________________________
__________________________________________________________________________

Grand County Resolution 3007 (December 2013) contains the following Board Member requirements:

- Must be a Grand County resident (unless otherwise noted);
- Terms shall be for four years, unless a shorter period is required by law, or unless a mid-term vacancy is being filled;
- All terms shall end December 31st with the new member taking office the first meeting in January of the following year;
- Board Members shall have the appropriate expertise when required by law;
- Submit applications to the Council's Office in accordance with the requirements contained in the notice;
- Agree to abide by the County's Conflict of Interest Ordinance.

Additionally, the State Code has the following requirements for Special Service Districts in Grand County:

- No appointed member of the Board may be a full or part-time employee of the District while serving on the Board;
- No person employed by a Special Service District as a full-time or part-time employee may serve on the Governing Board of the District;
- A Board Member may not be compensated separately as a Board Member and as an employee for providing the same service;
- Each Trustee/Board Member appointed by the County legislative body shall be an elector (registered voter) of the District.

I have read, and I certify, that all the information on this form is true and correct and I meet the requirements listed above. Furthermore, if appointed, I agree to faithfully attend the meetings and adhere to the State laws, County ordinances, and adopted Bylaws that govern the Board or Commission on which I am appointed to serve. Additionally, I have read the County's Conflict of Interest Ordinance (No. 482, November 2007) and do not have any inherent conflicts in serving on the Board or Commission to which I have applied. I agree to abide by this Ordinance.

Signature: ___________________________ Date: 11/5/18
Board and Commission Application and Certification Form

Instructions: Complete and sign this form and return it to Grand County Council Office, 125 E. Center St., Moab, UT 84532; fax: 435-259-2574; or council@grandcountyutah.net

Board or Commission Position Applied For: Grand County Airport Board

Name: Roger Stone

Mailing Address: P.O. Box 963

City: Moab State: UT Zip Code: 84532

Day Phone: 435-259-8421 Email Address: roger@flyredtail.com

In what year did you establish your current residency in Grand County? 1953 1st time (residency is required for all Boards; some District boards require residency within the District, which may not include Moab City limits; two years’ residency prior to assuming board membership is required for Planning Commission)

If not Grand County, which county do you reside in? (applicable for Historical Preservation Commission and Housing Authority of Southeastern Utah)

Occupation or professional training: Aircraft Mechanic + Painter

List your work experience that is relevant to your application for a position on the Board or Commission for which you are applying (if needed, attach a separate page):

Line man at Imperial Flying Service, Imperial, Ca

Mechanic; Line man, Tanker Operator at Post Flying Service, Imperial, California - 260 353 1182 Reference

Larry Rose 260 355 0404 Reference

Pony as mechanic - Nick Larmour Reference

Lead Mechanic, Wildwood Auto Shop, Wildwood, Ca

Council’s Office · 125 E. Center St. · Moab, UT 84532 · (435) 259-1346 · www.grandcountyutah.net
List your non-work experience that is relevant to your application for a position on the Board or Commission for which you are applying:

Self-employed Owner/operator NPL Transport, Shelly, UT
Lead mechanic & foreman - Eden Valley Automotive, Love Lake, CO
Currently Employed at Red-tail Air, KCNY Moab
John Ramsey - Co-owner
Mike Ramsey - Co-owner

I have other character or work references if needed.

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- Terms shall be for four years, unless a shorter period is required by law, or unless a mid-term vacancy is required by law;
- All terms shall end December 31st with the new member taking office the first meeting in January of the following year;
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- A Board Member may not be compensated separately as a Board Member and as an employee for providing the same service;
- Each Trustee/Board Member appointed by the County legislative body shall be an elector (registered voter) of the District.

I have read, and I certify, that all the information on this form is true and correct and I meet the requirements listed above. Furthermore, if appointed, I agree to faithfully attend the meetings and adhere to the State laws, County ordinances, and adopted Bylaws that govern the Board or Commission on which I am appointed to serve. Additionally, I have read the County’s Conflict of Interest Ordinance (No. 462, November 2007) and do not have any inherent conflicts in serving on the Board or Commission to which I have applied. I agree to abide by this Ordinance.

Signature: ____________________________ Date: 10-2-18

Council’s Office · 125 E. Center St. · Moab, UT 84532 · (435) 259-1346 · www.grandcountyutah.net
FURTHER DESCRIPTION OF SERVICES OF ENGINEER

1. This Attachment is made a part of and incorporated by reference into the Professional Services Agreement made on January 6, 2015, between GRAND COUNTY, UTAH (Sponsor) and ARMSTRONG CONSULTANTS, INC., (Engineer) providing for professional engineering services. The Services of Engineer as described in Section 1 of the Agreement are amended or supplemented as indicated below and the time periods for the performance of certain services are stipulated as indicated below.

2. LOCATION – Canyonlands Field, Grand County, Utah

3. WORK PROGRAM – Attached

   Element 1 – Construct Taxilanes (Design Only)

4. FEES - The fees will be as noted below. (All lump sums)

   Element 1 – Project Development
   - $XX,XXX.xx

   Element 1 – Design
   - Preliminary Design: $XX,XXX.xx
   - Final Design: $XX,XXX.xx

   Element 1 – Special Services
   - Geotechnical Investigation: $XX,XXX.xx
   - Topographical Survey: $XX,XXX.xx

   Engineering Total: $XX,XXX.xx

5. ATTACHMENTS - Required Contact Provisions for A/E Contracts Under Airport Improvement Program

SPONSOR:
GRAND COUNTY, UTAH

ENGINEER:
ARMSTRONG CONSULTANTS, INC.

____________________________  ______________________________
Evan Clapper, County Council Chair        Dennis Corsi, President
SCOPE OF WORK
CANYONLANDS FIELD
ACI NO. 1965XX

ELEMENT #1 Construct Taxilanes *(DESIGN ONLY)*

1. Canyonlands Field is anticipating an increase in hangar development. In order to facilitate the development of hangars, taxilanes will need to be developed by the Sponsor and/or by private developers. To protect the long-term interest of the Airport, the taxilanes will be designed to a construction ready level of detail. This design will help the Airport ensure that the taxilanes or portions of taxilanes, as developed, will be constructed to an acceptable standard and layout that meets the overall objective of the Airport Layout Plan (ALP) and will properly consider future needs of the Airport. The design will be completed by the Engineer for the use of the Sponsor to clearly specify the requirements for development of the taxilanes to be completed as federal/state/local funding becomes available or private development is requested.

The design will be completed for three straight stretches of taxilane on the south east of the hangar area as shown on the ALP. The design will not include the southern portion of the taxilane that runs east-west as shown on the ALP. See attached exhibit for project limits.

1.1. Based on the approved Airport Layout Plan, the appropriate Taxiway Design Group (TDG) is TDG 1 (25 feet wide) and TDG 2 (35 feet wide). The pavement geometry design will be in accordance with FAA AC 150/5300-13A. Specifically, Tables 3-5, 4-1 and 4-2 will be utilized to determine appropriate pavement geometry and required separations.

1.2. The pavement section will be designed to accommodate the anticipated aircraft fleet mix, which is assumed to include aircraft weighing up to 30,000 lbs SWG. FAA FAARFIELD software will be utilized during the design of the pavement section.

1.3. New pavement markings will be designed meet FAA AC 150/5340-1L. Type I, Gradation A glass beads will be specified for the painted surfaces.

1.4. Pavement underdrains will be included in the design.

1.5. The taxilane grading and drainage will be included in the design. This may include storm water inlets, drainage structures, and culverts as appropriate. Surface drainage patterns will be evaluated and incorporated into the design.

1.6. Conceptual hangar elevations will be determined and included in the design. This will be used to guide the future elevation of hangars as they are developed.

1.7. No taxiway/taxilane lighting nor airfield electrical will be included in this project.

1.8. The design will take into consideration that the taxilanes may be developed in phases as funding becomes available and will adjust accordingly.
I. PROJECT DEVELOPMENT

The project development phase is intended to complete the necessary preliminary actions required to initiate the project in accordance with established Federal, State and local policies and procedures.

Activities include:

1. Conduct a pre-design meeting/scoping conference with the Sponsor and FAA to establish parameters for the project definition and work areas, budget, schedule, and needs for topographic survey and geotechnical investigations.

2. Develop preliminary cost estimates for the proposed work.

3. Develop a draft Scope of Work narrative for review and approval. Upon receiving approval of the scope of work narrative, engineering fees will be calculated and provided with the final Scope of Work. The Engineer will assist the Sponsor with the completion of a Record of Negotiations that may be submitted to the FAA in the future should the work associated with this task order be reimbursed under future FAA funding.


5. A CatEx was previously submitted to the FAA that covered the scope of this project.
II. PRELIMINARY DESIGN

The preliminary design phase is intended to identify and evaluate cost effective and practical solutions for the work items identified. The designer will complete their evaluation of alternatives through contacts with local authorities, field investigations and a practical design approach. The design will take advantage of local knowledge and experience and utilize expertise from recent construction projects to design a cost-effective project. Cost efficiencies will be realized in a lower initial cost and in lower long-term maintenance costs.

Activities include:

1. Prepare requirements for the design topographical survey. Work includes establishing the limits of the work area and developing survey criteria in accordance with FAA design guidance. A surveyor subconsultant will be employed to conduct the topographical survey in accordance with the requirements developed. Coordinate the subconsultant’s work schedule with airport staff.

2. Prepare requirements for the design geotechnical investigation. Work includes developing a subsurface boring layout and soil testing regimen in accordance with FAA AC 150/5320-6F. A geotechnical engineering subconsultant will be employed to conduct the geotechnical investigation in accordance with the requirements developed. The Engineer will coordinate the subconsultant’s work schedule with airport staff. Based on preliminary information available for this project, the following is an estimate of the effort required to complete the investigation and associated testing:
   a. Subsurface Investigation: Obtain 6 subsurface borings, drilled to a depth of 15.
   b. Laboratory Soil Testing: Perform the following tests on the samples collected from the subsurface borings:

<table>
<thead>
<tr>
<th>Test</th>
<th>Test Standard</th>
<th>No. of Tests</th>
</tr>
</thead>
<tbody>
<tr>
<td>Soil Gradation (Dry)</td>
<td>ASTM C117/C136</td>
<td>18 each</td>
</tr>
<tr>
<td>Soil Gradation (Hydrometer)</td>
<td>ASTM D 422</td>
<td>2 each</td>
</tr>
<tr>
<td>Atterburg Limits</td>
<td>ASTM D 4318</td>
<td>2 each</td>
</tr>
<tr>
<td>Moisture-Density Relationship</td>
<td>ASTM D 698</td>
<td>2 each</td>
</tr>
<tr>
<td>In-Place Density/Moisture</td>
<td>AASHTO T204/</td>
<td>12 each</td>
</tr>
<tr>
<td></td>
<td>AASHTO T265</td>
<td></td>
</tr>
<tr>
<td>CBR Testing</td>
<td>ASTM D 1883</td>
<td>3 each</td>
</tr>
<tr>
<td>Consolidation Testing</td>
<td>ASTM D 2435</td>
<td>6 each</td>
</tr>
<tr>
<td>Soluble Sulfate Content</td>
<td>ASTM C 1580</td>
<td>2 each</td>
</tr>
</tbody>
</table>

   c. Pavement Cores: Existing pavement may be cored, preserved, and visually analyzed in various boring locations.

3. Prepare an overall Construction Safety and Phasing Plan (CSPP) in order to maximize project constructability and operational safety.

4. Analyze and process topographical survey data. Input raw survey data into computer aided drafting program, develop TIN surface model of existing ground contours, pavement edges, electrical system components, utilities, and any other miscellaneous items. Generate 3D contour model and prepare and process data for spot elevations, grading, drainage and pavement cross sections.
5. Analyze and process geotechnical investigation data. Develop design conclusions based on the data presented and establish input values for pavement design software. Prepare subgrade and pavement section information for incorporation into construction plans.

6. Review and evaluate project layout.
   a. Determine aircraft usage through coordination with Sponsor and FAA
   b. Verify existing ALP dimensions and data.

7. Evaluate local conditions:
   a. Inventory local material suppliers, sources and capabilities.
   b. Evaluate drainage conditions/requirements.
   c. Review existing Pavement Strength Survey data.

8. Prepare preliminary construction plans. Construction plans will be prepared depicting all of the work involved for Element 1. The following list of drawings will be used as a guideline.

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>ELEMENTS 1 &amp; 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. Cover Sheet</td>
<td>1 Sheet</td>
</tr>
<tr>
<td>b. General Notes, Legend and Survey Control</td>
<td>1 Sheet</td>
</tr>
<tr>
<td>c. Removals Plan</td>
<td>3 Sheets</td>
</tr>
<tr>
<td>d. Plan, Profile and Grading Plan</td>
<td>3 Sheets</td>
</tr>
<tr>
<td>e. Typical Sections and Details</td>
<td>2 Sheets</td>
</tr>
<tr>
<td>f. Marking Layout and Details</td>
<td>2 Sheets</td>
</tr>
<tr>
<td>g. Cross Sections (100 ft Stations)</td>
<td>2 Sheets</td>
</tr>
<tr>
<td>h. Construction Safety and Phasing Plan</td>
<td>2 Sheets</td>
</tr>
<tr>
<td>TOTAL SHEET COUNT</td>
<td>16 Sheets</td>
</tr>
</tbody>
</table>

9. Prepare preliminary contract documents. The Engineer will prepare the contract documents including invitation for bids, instructions to bidders, proposal, equal employment opportunity clauses and applicable wage rates, construction contract agreement, performance bond, payment bond, general and special provisions. Preparation will include establishing the location for the bid opening and description of the work schedule. Contract documents will be prepared early during the design phase and submitted to Sponsor for review.

10. Prepare preliminary technical specifications. The Engineer will assemble the technical specifications necessary for the intended work. Standard FAA specifications will be utilized where possible. Additional specifications will be prepared to address work items or material that is not covered by the FAA specifications.

The standard specifications to be utilized for Element 1 may include the following items:

- Item P-152 Excavation and Embankment
- Item P-208 Crushed Aggregate Base Course
- Item P-401 Plant Mix Bituminous Pavement
- Item P-610 Structural Portland Cement Concrete
- Item P-620 Runway and Taxiway Marking
The added technical specifications for Element 1 may include but not be limited to the following items:

Item S-2  Removals  
Item S-6  Watering

11. Prepare preliminary special provisions to address conditions that require additional clarification and/or definition beyond what is described in the standard general provisions or technical specifications. Items may include:
   a. Project Location Information
   b. Insurance Requirements
   c. Contract Period and Work Schedule and Phasing
   d. Pre-Construction Conference
   e. Utilities
   f. Permits, Taxes and Compliance with Laws
   g. Field Office Requirements
   h. Haul Roads
   i. Testing and Staking
   j. Airport Security, Closure of Air Operations Areas
   k. Accident Prevention
   l. Warranty
   m. Construction Management Plan

12. Conduct preliminary review of the construction plans, technical specifications, contract documents and special provisions by submitting copies of the preliminary documents to the Sponsor and solicit preliminary design review comments.
III. FINAL DESIGN

In the final design phase, the designer will provide well-defined construction requirements, with selected bid alternatives as appropriate to solicit competitive construction bids. Activities include:

Final Design
1. Incorporate preliminary design comments and respond as necessary to requests for additional information.

2. Calculate Estimated Quantities. The Engineer will calculate all necessary quantities for the various work items in each Element.

3. Prepare Estimate of Probable Construction Cost for each Element. Using the final quantities calculated following the completion of the plans and specifications, the Engineer will prepare the construction cost estimate. The estimate will be based on information obtained from previous projects, contractors, material suppliers and other databases available.

4. Prepare Engineer’s Design Report. During the preparation of the construction plans and specifications, an engineer design report will be prepared. The report will include the summary of the project, pavement, drainage design, schedule and cost estimate for the completion of the project. The design report will follow the current FAA Airports guidance where applicable. The design report will be submitted for Sponsor review. Review comments will be incorporated in the final revised report.

5. Develop work schedules for construction. This task involves dividing the construction work into schedules to allow for maximum contract award flexibility in cases of limited available funds, and allow the project to be executed in a manner that minimizes the disruption of the airport aircraft operations.

6. Submit final CSPP by uploading it to the OE/AAA website. Alternatively, at the request of the FAA PM, the CSPP may be submitted directly to the FAA PM.

7. Prepare 95% design construction plans, technical specifications, contract documents and special provisions.

8. Submit 95% design review package to the Sponsor and solicit design review comments.

9. Incorporate 95% design review comments and respond as necessary to requests for additional information.

10. Prepare and submit final plans and specifications. Copies will be submitted to the FAA and Sponsor. A final set of plans, specifications and contract documents will be prepared which incorporates revisions, modifications and corrections determined during the FAA and Sponsor’s review. After final plan acceptance, plan sets will be provided to the FAA and Sponsor.
IV. SPECIAL SERVICES

Armstrong does not provide some services “in-house”. When a service is needed that we do not provide, we will contract with other firms that provide those services. The following are activities that Armstrong will provide as part of this design package but will hire a sub consultant to perform the activities.

Activities include:

1. Geotechnical investigations, including core sampling, laboratory tests, related analyses, and reports.
2. Land surveys, design surveys, and topographic maps.
SCALE IN FEET
0 50 100
N S T R O C L U T N A T
CANYONLANDS FIELD
GRAND COUNTY, UTAH
CONSTRUCT TAXILANES EXHIBIT

LEGEND
- PROPOSED TAXILANE
- PROPOSED HANGAR
- FUTURE TAXILANE/APRON
- EXISTING TAXILANE/APRON
- EXISTING HANGAR

DRAFT 1-7-19
4.3 AL, Airport Limitation District

4.3.1 Purpose
The AL, Airport Limitation District is a special purpose district intended to establish standards assuring the long-range, safe and beneficial use of Canyonlands Field.

4.3.2 Airport Zoning Commission
A. Commission Established

1. The Grand County Planning Commission is designated as the "Airport Zoning Commission" as prescribed in Utah Code §72-10-405.

2. In this LUC and State law, any references to the "Airport Zoning Commission" shall mean the Grand County Planning Commission.

3. If the Planning Commission is empowered in this LUC to take actions that are duties of the Airport Zoning Commission as prescribed in Utah law the Planning Commission shall be presumed to be functioning as the Airport Zoning Commission.

B. Duties
The Airport Zoning Commission shall recommend boundaries of the various zones to be established and the regulations to be adopted pertaining to any airport hazard area and to perform such other duties as may be assigned to it by the County Council or Utah law.

4.3.3 Airport Board of Adjustment
A. Board Established

1. The Grand County Airport Board shall designate an "Airport Board of Adjustment"
as prescribed in Section 72-10-410, Utah Code Annotated 1953.

2. The Board of Adjustment shall consist of five members, each to be appointed for a term of three years, by Grand County Council and to be removable for cause, upon written charges and after public hearing.

B. Procedure

Any person aggrieved, or taxpayer affected, by any decision of any administrative agency made in its administration of airport zoning regulations adopted by Grand County, which is of the opinion that a decision of an administrative agency is an improper application of airport zoning regulations of concern to the governing body or board, may appeal to the Board of Adjustment authorized to hear and decide appeals as provided in this Section 4.3.

C. Duties

1. The Airport Board of Adjustment shall hear and decide appeals from any order, requirement, decision, or determination made by the administrative agency in the enforcement of the airport zoning regulations, as provided in Section 72-10-408, Utah Code Annotated 1953, and to perform such other duties as may be assigned it by the County Council or Utah law.

2. To hear and decide specific variances as provided in Section 72-10-407(2), Utah Code Annotated 1953. [Ord. 537, 2015.]

4.3.4 Grand County Airport Board

A. Board Established
The Grand County Airport Board is designated as the principal advisory body to the Grand County Council in all matters related to the operation of Canyonlands Field.

**B. Duties**

The members shall in all cases act as a board, rather than as individuals. The Grand County Airport Board may adopt rules and procedures for the conduct of its meetings and to govern its operation, not inconsistent with bylaws, County ordinances, and regulations of the State of Utah and the FAA.

**4.3.5 Lot Design Standards**

Development in the AL district shall be subject to the following standards:

A. Minimum Lot Area: 5 Acres

B. Minimum Front and Street Side Setbacks: 25 Feet

C. Minimum Rear and Interior Side Setbacks:
   1. Principal structures: 10 feet
   2. Accessory structures: See Section 3.3

D. Minimum Lot Width: 400 Feet

E. Maximum Height: 24 Feet

**4.3.6 Permitted Uses**

The following uses shall be permitted-by-right

A. Residential Uses

See Section 4.3.9D

B. Public or Civic Uses

Essential services

C. Retail, Service and office Uses

Those allowed by the Airport Master Plan

D. Agriculture and Agriculture Related Uses
Agricultural animals, subject to the use-specific standards of 3.2.5A

Farm, orchard or truck garden

Grazing

E. Industrial, Communications, Transportation and Automobile-Related Uses

Airport

4.3.7 Conditional Uses
Conditional uses shall be allowed in accordance with Section 9.11.

Animal pound or kennel (public or private)

Barn, corral, pen, coop or machinery shed, subject to the use-specific standards of 3.2.5B

Dwelling, single-family

Dude ranch or destination resort, subject to the use-specific standards of 3.2.3F

Electric substation

Mining

Manufactured home, subject to the use-specific standards of 3.2.1H

Oil and gas drilling

Waste materials management, subject to the use-specific standards of 3.2.4N

4.3.8 Accessory Uses
The following accessory uses shall be allowed:

Accessory use or structure, subject to the use-specific standards of Section 3.3

Dwelling unit, accessory, subject to the use-specific standards of Section 3.3.2B

4.3.9 District Standards
All uses in the AL District shall be in compliance with the Airport Master Plan, Airport Layout Plan, and Noise Contour Map as adopted by the Grand County Airport Board, and incorporated into this section by reference as it pertains to airport land uses, and subject to the regulations of this section:
A. Conforming Uses only

All uses in the AL District shall be subject to the height and use standards as prescribed in this LUC or as prescribed in State or Federal standards.

B. Creation of Airport Hazards Prohibited

No variance, permit, or use shall be allowed that would create or enhance an airport hazard.

C. General Use and Operational Limitations

No use shall be permitted which:

1. Creates or tends to create electrical interference to navigational devices and communication between aircraft and airports;

2. Creates or tends to create gas, smoke, dust, glare, or other visual hazard in the atmosphere around airports or in the airport hazard area;

3. Creates or tends to create structures that interfere with aircraft safety; or

4. Creates or tends to create any type of hazard for the airport that would inhibit or constrain safe and acceptable airport operations

D. Residential Use Limitation

All allowed residential uses shall be shown on the Airport Layout consistent with the Airport Master Plan, and be restricted for airport personnel only.

E. Height Limitation

The maximum height for all structures, except for the airport tower, air service buildings and facilities approved as part of the Airport Layout Plan, shall be 35 feet. The height of the airport tower, air service
buildings and facilities shall be in accordance with the Airport Layout Plan. Notwithstanding the foregoing, in no case shall a structure be at a height that creates or tends to create an airport hazard.

F. Architecture and Landscaping

1. The architectural style of accessory hangers, storage and maintenance facilities, and similar service uses shall be complementary to the principal structures and appropriate for the site and proposed use.

2. The landscaping around the buildings shall be low maintenance and extend 20 feet around the buildings.

3. All buildings shall comply with applicable Federal, State and local Standards.

4.3.10 Mandatory Referral

Prior to the issuance of zoning development or Building Permit, permit applications shall be referred to the Airport Board and to the Federal Aviation Administration, Denver Airports District office (FAA) for comment. In making its determination as to whether a proposed land use is consistent with the standards of this section, the County shall give substantial weight to the recommendations of the Grand County Airport Board and the FAA.
Projects for CNY

Current Projects on Capital Improvement List

<table>
<thead>
<tr>
<th>Year</th>
<th>Description</th>
<th>Estimated Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>2019</td>
<td>TWY A Rehab (design)</td>
<td>$1,052,632</td>
</tr>
<tr>
<td>2019</td>
<td>TWY A Rehab Construction</td>
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<td>2020</td>
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<td>2020</td>
<td>ARC Upgrade Ph 2</td>
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<tr>
<td>2021</td>
<td>SRE</td>
<td>$400,000</td>
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<tr>
<td>2021</td>
<td>SRE Building</td>
<td>$600,000</td>
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<td>2022</td>
<td>Apron Hardstand</td>
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<td>2023</td>
<td>Rehab Apron</td>
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<td>2024</td>
<td>ALP/TAD</td>
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<td>2025</td>
<td>ARFF Truck</td>
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<tr>
<td>2025</td>
<td>Concrete N ramp</td>
<td>$2,800,000</td>
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</tbody>
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Additional Projects (in no particular order)

- Parking lot lights on new parking lot
- Paved parking lot
- Taxilanes around future hangar developments
- Additional office space in terminal
- Expansion of terminal for second gate
- Covered baggage claim/outdoor waiting area
- Additional ramp space for GA
- Paved connection of TXY B to RWY 3/21
- Secondary water supply
- Backup power for airfield and landside facilities
- Security upgrades associated with SIDA/full security program
- Repave entrance drive
- Water storage (larger tanks/tower)
- Upgraded water distribution
- New water distribution systems
- Upgrade to C-III (new, larger, displaced taxiway)
- Paid parking infrastructure
- Upgraded baggage checking
- Upgrade terminal heaters?