

**Atlantic Aviation - Salt Lake
City; Heavy Duty Concrete
Parking Pad (South Site)**

PAVEMENTS & FLATWORK--Airports/Highways

Atlantic Aviation - Salt Lake City; Heavy Duty Concrete P...

May 2018

ACI Intermountain Chapter

Please select project category

PAVEMENTS & FLATWORK--Airports/Highways

PROJECT INFORMATION

Project Name Atlantic Aviation - Salt Lake City; Heavy Duty Concrete Parking Pad (South Site)
Address 369 North 2370 West
Salt Lake City, Utah
Completion Date May 2018
Submitted By: Geneva Rock Products, Sammuell Syphrett
801-380-4011, ssyphrett@genevarock.com

OWNER CONSENT

By checking this box, submitter certifies they have communicated with the owner and received approval to submit this project for award nomination. All submission materials shall become the sole property of the ACI Intermountain Chapter. This shall include the right to publish photographs and information without compensation to the recipients.

PROJECT TEAM MEMBERS

OWNER Atlantic Aviation SLC, 369 North 2370 West
Salt Lake City, Utah
Owner Contact Brandon Leindl
brandon.leindl@atlanticaviation.com, 385-715-7192
ENGINEER Alfred Benesch & Company, 825 "M" Street, Ste. 100
Lincoln, Nebraska
Engineer Contact Andrew Beil
abeil@benesch.com, 402-479-2202
CONTRACTOR Staker Parson Materials & Construction, 89 West 13490 South, Suite 100
Draper, Utah
Contractor Contact Jeremy Harvey
jeremy.harvey@stakerparson.com, 801-831-6756
CONCRETE SUPPLIER Geneva Rock Products, 1565 West 400 North
Orem, Utah
Concrete Supplier Contact Sammuell Syphrett
ssyphrett@genevarock.com, 801-380-4011
CONCRETE SUBCONTRACTOR Sammuell Syphrett, 1565 West 400 North, Orem, UT, USA
Orem, UT

Subcontractor Contact	Sammuel Syphrett ssyphrett@genevarock.com, 801-380-4011
TESTING AGENCY-Quality Control	CMT Engineering, 2796 Redwood Road West Valley City, Utah
TESTING AGENCY-Quality Assurance	RB & G Engineering, 1435 West 820 North Provo, Utah
Testing Agency Contact	Jacob Boone jboone@rbgengineering.com, 801-374-5771
Additional Project Participant...i.e. subcontractors directly related to the concrete portion of this project	A-Core, 5360 S Riley Ln Murray, Utah
Contact	Steve Checketts steve@a-core.com, 801-865-5381

PROJECT DESCRIPTION

Please provide a 150-200 word description of the project being nominated. If selected to receive an award, this description will be used during the awards ceremony.

Construction of a parking pad for Atlantic Aviation. This provided more room for operations at Atlantic Aviation.

STRUCTURE QUESTIONNAIRE

OVERVIEW

DESIGN

INNOVATION

QUALITY

BENEFIT

9. Owner testimonial of how concrete benefitted this project may be submitted.

PAVEMENT QUESTIONNAIRE

PAVEMENT SMOOTHNESS

1. How was pavement smoothness Finished surface not vary more than 1/4" when tested Transversely with a 12'

9. Owner testimonial of how concrete benefitted this project may be submitted.

PAVEMENT QUESTIONNAIRE

PAVEMENT SMOOTHNESS

1. How was pavement smoothness specified and measured? List specification requirements, including incentives. Include profilograph measurements if available; otherwise, indicate straight edge measurements.

FAA specified tolerances.

Minimal grinding was needed to meet the specified tolerances.

2. What were the key factors in achieving a smooth concrete pavement? This may include subbase quality, equipment, mix uniformity, personnel, incentives, etc.

3D paving equipment and experience crew.

QUALITY

4. Describe procedures used to ensure that quality standards were met on the project.

3D paving equipment and experience crew. Exceptional QA Inspectors.

COMPLEXITY

6. List project size, number of intersections, bridges, interchanges, manholes and other criteria that indicate complexity.

2,836 SY of 16"

7. List the work zone traffic volume. How was traffic control provided? Include any special traffic control measures or work hour requirements.

A new apron against live aircraft traffic.

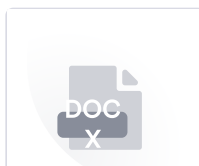
INNOVATION

9. Describe any special accessories or modifications to paving equipment or procedures. Examples include dowel bar inserters, computer controls, unique schedules, etc. How did these modifications affect quality and productivity?

3D paving equipment and experience crew.

PROJECT PICTURES

Project Pictures Description



[Atlantic pictures.docx](#)

specified and measured? List specification requirements, including incentives. Include profilograph measurements if available; otherwise, indicate straight edge measurements.

2. What were the key factors in achieving a smooth concrete pavement? This may include subbase quality, equipment, mix uniformity, personnel, incentives, etc.

straightedge applied perpendicular with the centerline. The straightedge shall be moved continuously at half the length of the 12' straightedge for the full length of each line on a 50' grid.

Finished surface not vary more than 1/4" when tested Longitudinally with a 12' straightedge applied parallel with the centerline. The straightedge shall be moved continuously at half the length of the 12' straightedge for the full length of each line on a 50' grid.

3D Model System on Gomaco Paver, 3D Model Paving Experienced Crew, and 11" of aggregate base

QUALITY

COMPLEXITY

6. List project size, number of intersections, bridges, interchanges, manholes and other criteria that indicate complexity.

2,836 SY and 1,557 CY, with occasional Aircraft Traffic.

INNOVATION

PROJECT PICTURES