

Repair Flight Test Ramp, Aircraft Maintenance Facility B-233

PAVEMENTS & FLATWORK--Airports/Highways

Repair Flight Test Ramp, Aircraft Maintenance Facility B-...

September 2018

ACI Intermountain Chapter

Please select project category

PAVEMENTS & FLATWORK--Airports/Highways

PROJECT INFORMATION

Project Name Repair Flight Test Ramp, Aircraft Maintenance Facility B-233
Address Hill AFB
Hill AFB, Utah
Completion Date September 2018
Submitted By: Geneva Rock Products, Samuel 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 75 Civil Engineering Group, 5713 Lahm Lane, Bldg 593 N
Hill AFB, Utah
Owner Contact Branko Vitanov
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ENGINEER Michael Baker, 6955 Union Park Center, Suite 370
Midvale, Utah
Engineer Contact Gavin Fitzsimmons
gfitzsimmons@mbakerintl.com, 801-352-5965
CONTRACTOR Consolidated Paving, 1705 W 2450 S
Ogden, Utah
Contractor Contact Jeremiah Falslev
jeremiah@consolidatedpaving.com, 801-940-1541
CONCRETE SUPPLIER Geneva Rock Products, 1565 West 400 North, Orem, UT, USA
Orem, UT
Concrete Supplier Contact Samuel Syphrett
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CONCRETE SUBCONTRACTOR Geneva Rock Products, 1565 West 400 North, Orem, UT, USA
Orem, UT

Subcontractor Contact	Sammuel Syphrett ssyphrett@genevarock.com, 801-380-4011
TESTING AGENCY-Quality Control	CMT, 2796 Redwood Road West Valley City, Utah
TESTING AGENCY-Quality Assurance	Intermountain Testing Services, 1955 West 5200 South Roy, Utah
Testing Agency Contact	Abe Martinez imtesting@qwest.com, 801-776-5355

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.

Reconstruction of Hangar Aprons.

STRUCTURE QUESTIONNAIRE

OVERVIEW

DESIGN

INNOVATION

QUALITY

BENEFIT

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

PAVEMENT QUESTIONNAIRE

PAVEMENT SMOOTHNESS

QUALITY

COMPLEXITY

6. List project size, number of 9,216 SY and 4,276 CY

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.

UFGS tolerances

Little to no grinding was needed to meet the stringent 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

3. The following project information is suggested, but not required for nomination...What quality-consistency levels were achieved? Include history showing strengths, air content, thickness measurements, number of grinds per mile, etc.

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.

9,216 SY of 15"

2,692 SY of Reinforced 15"

11 Tie Downs and Grounding Rods

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

Live traffic from F-35s and C-130s on a weekly basis.

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

intersections, bridges, interchanges, manholes and other criteria that indicate complexity.

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

Weekly aircraft taxi operations.

INNOVATION

PROJECT PICTURES