

Birmingham-Shuttlesworth International Airport (BHM) Birmingham, Alabama

Runway Intersection Drainage Improvements

FAA AIP No.: 3-01-0014-134-2025 BAA Project No.: AF061 RS&H Project No.: 1048-0210-001

ADDENDUM #01

APRIL 14, 2025

RS&H Alabama, Inc. 358 St. Louis St., Suite C Mobile, Alabama 36602 (251) 460-3233

AL Cert. Nos.: CA-1678-E, CA-4086-E



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ADDENDUM NO. 1

This Addendum is hereby made a part of the Contract Documents and Specifications of the above-mentioned project. All other requirements of the original Contract Documents and Specifications shall remain effective in their respective order. **ACKNOWLEDGE RECEIPT OF THIS ADDENDUM** (Pages 1 thru 4 and attachments) **BY INSERTING ITS NUMBER AND DATE IN THE PROPOSAL FORM.**

GENERAL

- 1. The following documents are incorporated into the contract by this addendum:
 - a. Pre-Bid Conference Minutes, dated April 8, 2025
 - b. Pre-Bid Conference Sign-In Sheet, dated April 8, 2025
 - c. Pre-Bid Conference Presentation Slides, dated April 8, 2025

MODIFICATIONS TO PROJECT MANUAL

1. None

MODIFICATIONS TO PLAN SHEETS

1. None

RESPONSES TO BIDDERS' QUESTIONS

1. Question: Can I receive a DNG/DWG file for the project?

<u>Answer</u>: CAD (.dwg) files will not be released during bidding. Digital copies of CAD design files will be shared with the successful bidder upon execution of a construction contract with the Birmingham Airport Authority (BAA) and Electronic Deliverable Transfer Agreement with the Consultant.

2. **Question**: Has there been any consideration of using polyurethane rather than grout injection regarding the sinkhole at the BAA drainage project.

<u>Answer</u>: For the purposes of bidding, the sinkhole remediation shall be completed using the grout injection method outlined in the plans and specifications. Once under contract, the successful Contractor may propose an alternate material or method for Engineer and Owner review.

LIST OF ATTACHMENTS

- 1. Pre-Bid Conference Minutes
- 2. Pre-Bid Conference Sign-In Sheet
- 3. Pre-Bid Conference Presentation Slides
- 4. Plan Holders List (as of 04/11/2025)

END OF ADDENDUM NO. 01





PRE-BID MEETING MINUTES

Project: Birmingham-Shuttlesworth International Airport (BHM)

Runway Intersection Drainage Improvements

FAA AIP No.: 3-01-0014-134-2025

BAA Project No.: AF061

RS&H Project No.: 1048-0210-001

Meeting Date: Tuesday, April 8, 2025, 2:00 PM

→ Introductions and Sign-In

 Ocean Boyd (BAA) welcomed attendees and introduced the RS&H design team. Colin Brinkman (RS&H) then began the presentation.

→ Project Description (Generally)

At the intersection of both Runways at BHM, Runway 18-36 and Runway 6-24, the northeast quadrant turf area is not draining properly, leading to ponding issues. Additionally, within this same area, BAA has identified a small subsurface void, or sinkhole, that has been an ongoing maintenance issue.

This project will work to address and remediate both issues, and will consist of the following work items:

- The replacement of two existing stormwater inlets with new ALDOT structures
- The installation of a new aircraft rated inlet, within the Runway Safety Area (RSA), over an existing RCP conveyance pipe (doghouse structure)
- o Regrading of the turf area in the northeast quadrant of the intersection to drain to the new inlet(s)
- o Pressure grouting stabilization and remediation of the sinkhole/void in the NE quadrant

→ Construction Phasing

- The project is split into three (3) main phases, with a total construction duration of 65 calendar days.
 - None of the phases are concurrent refer to Phase Note #1 on G031
 - These phases are setup to minimize impacts to airport operations
- o Phase 1: All work outside of the RSA which can be completed during the daytime
 - No Runway closures
 - Replacement of existing stormwater inlets
- Phase 2: Pressure grouting and remediation of the sinkhole area within the RSA
 - Requires closures of both Runways (total airport closure)
 - Work must be performed between 12:00am and 4:00am (4-hr closure window, window could shift slightly due to airport operations)
- Phase 3: Installation of aircraft rated inlet and regrading of the turf areas to the new inlet
 - Requires closures of both Runways (total airport closure)
 - Work must be performed between 12:00am and 4:00am (4-hr closure window, window could shift slightly due to airport operations)
 - The new Aircraft Rated Inlet must be precast, cast-in-place will not be allowed for this structure.
 - The installation of the new inlet may have to be completed over a series of nightly closures, which may require the need to backfill and re-excavate this structure multiple times to complete the installation to the project specifications while also complying with RSA Part 139 requirements each morning.
 - All costs for this work (excavation, backfill, etc.) are incidental to the installation of the inlet
- Liquidated damages can be found in Section 00030, subsection 28 of the Project Manual.

> Notable CSPP Requirements

- o Part 139 Compliance
 - Every morning, prior to the Runways being opened for aircraft traffic, the Runway Safety Areas (RSAs) of both runways must be compliant and inspected by BAA Operations.
 - Refer to the notes on Sheet G011 and throughout the CSPP
- o Air National Guard Alert Aircraft
 - The ANG maintains an alert aircraft at BHM. Please refer to the notes on Sheet G011 for the Contractors role in ensuring the alert aircraft can achieve its mission if called upon while Runway 6-24 is closed for construction.

→ Site Access and Layout

- Access through Gate #1
- o All equipment and materials must be stored in the staging area each day nothing may be left on the airfield in the construction area
- Protection of airfield pavements
 - During certain construction operations, it may be acceptable (if approved by BAA) to drop-off
 equipment or access the site via one of the Runways. The Contractor is required to ensure the runway
 pavements are clean of all debris/FOD, and that their operation does not damage the pavement
 surfaces.
 - Refer to Sheets G021 and G031 for additional notes pertaining to the protection/use of airfield pavements for access

Project Safety and Security

- o Safety Outlined in the Construction Safety & Phasing Plan (CSPP). Refer to the Project Manual. Basics include:
 - Flags and/or beacons and company logos on all vehicles, equipment, etc.
 - Foreign Object Debris (FOD) control requirements
 - Lines of communication and emergency contacts
- Security Project is located within the Airport AOA; therefore, Airport badging policies apply as well as all gate guard and access control requirements. Refer to the project manual.

> Notable Contract Items

- FAA AIP Grant Funded project All FAA/Federal contract requirements apply
- o Form of Bid: Unit Price
 - Bid form must contain the unit price(s) in both words and numbers
 - Bid prices must be held for up to 120 calendar days
- DBE Participation = 20% Goal (Ryan)
 - Must document good faith effort
 - Forms must be included in bid package, and will be evaluated as part of bid responsiveness
- SBE Goal = 3%
 - This is a voluntary goal, and is highly encouraged
 - Is not a contract requirement
 - Good faith effort documentation is not required for SBE
- Davis Bacon wage rates & certified payrolls are required and enforced
- Bonds and Insurance:
 - 5% Bid Bond required
 - 100% Performance and Payment Bond will be required of the successful bidder
 - Insurance requirements can be found in the project manual
- Permits: Contractor shall be responsible for obtaining all necessary Permits
- Taxes: Refer to Sections 00030 & 00120
 - "The Contractor, at its expense, shall pay all sales, consumer, use and similar taxes for the Work or portions thereof provided by the Contractor for which the Contractor is charged."
- o Basis of Award: Lowest, qualified, and responsive bidder
 - There is only a base bid, there are no bid alternates in this contract

→ Bidding Information

- Obtaining Bid Documents: Made available on Tuesday, April 1st, 2025. Electronic delivery only from RS&H for \$25.00. Contact information is listed below and in the Invitation to Bid.
 - Eddie Rodriguez RS&H Alabama, Inc. 358 St. Louis Street, Suite C Mobile, Alabama 36602 eddie.rodriguez@rsandh.com (251) 439-6221
- o Plan Holders List: Everyone who requests and is sent a set of documents from RS&H is recorded on a plan holders list. This list will be distributed as part of the minutes for this meeting.
- Bidding Milestones:
 - Pre-Bid Conference: Tuesday, April 8, 2025 @ 2:00PM Local
 - Deadline for Question Submission (7 days prior to bid): Tuesday April 22, 2025 @ 5:00PM Local
 - Bid Opening: Tuesday, April 29, 2025 @ 2:00PM Local
- o All sealed bids shall be delivered to the Birmingham Airport Authority. Please refer to the Invitation to Bid and Instructions to Bidders for full set of instructions.

→ Questions?

- Submit all questions in writing to Mr. Ed Seoane, BAA Vice President of Purchasing
 - edseoane@flybhm.com
 - Must be received by the question deadline (April 22, 2025 @ 5:00PM Local). Inquires submitted after the deadline will not receive responses.
 - No telephone inquiries will be accepted
- O Answers to any questions as well as any other clarifications deemed necessary will be issued as an addendum
 - Addenda will be issued electronically in the same delivery method as the Bid Documents
 - Addenda will also be posted to the BAA website
- Questions from Attendees: None

→ Site Visit Date/Time

 Site visit is scheduled for April 17th. Must be at BAA offices by 12:30pm for a 1:00pm field visit. Please RSVP to Ocean Boyd (BAA) by Friday, April 11th.

→ Adjourn





RUNWAY INTERSECTION DRAINAGE IMPROVEMENTS BIRMINGHAM-SHUTTLESWORTH INTERNATIONAL AIRPORT (BHM)

FAA AIP GRANT NO.: 3-01-0014-134-2025 BAA PROJECT NO.: AF061

RS&H PROJECT No.: 1048-0210-001

PRE-BID MEETING PARTICIPANTS LIST APRIL 08, 2025 2:00 PM (CDT)

Name	Organization	Email Address		
Colin Brinkman	R5+H	Colin brinkman D randh.com		
Eddic R-driguez	PS +H	eddic . rodrigues @ rsandh.com		
Jeffrey Smith	Cs Beaty	Jonith a coboutty . Com		
Martlen Melsa	BAA	muelconstly him an		
Ema Cemunes	841	eproce of/4thm		
Ryan Vency	BAA	Treney & Hybhm com		
Chad baxley	SDAC	chaxley@sdac8a.com		
Ocen Boyl	BAA	Obays @ - Clyblm. com		
Desmond Underwood	BAA	Dunderwood Offy bhm. com		
Schauss L. Hanilton	BAA	Strani How @ Tu BHM. Com		
Cameron Thompson	BAA	Champson & Alybhur. com		
hee Herard	BAA			
Ed Seoane*	BAA	eseoane@flybhm.com		

Matt Thomason*

*Attended meeting virtually via Zoom

RS&H

matthew.thomason@rsandh.com



Project Purpose

- » Turf area in the NE quadrant of the Runways intersection does not drain properly
 - Ponds with heavy rainfalls
- » Subsurface void/sinkhole in this same area that has been an ongoing maintenance issue







Project Scope

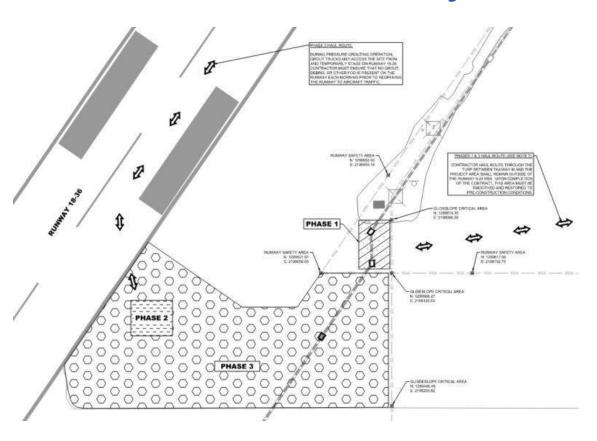
- » Replacement of two existing stormwater inlets
- » Installation of a new aircraft rated inlet, installed over an existing RCP conveyance pipe
- » Regrading of the turf to drain to the new inlets
- » Pressure grouting stabilization and remediation of the sinkhole







Project Phasing



- » 3 Phases 65 calendar day duration
 - Phase 1 = Stormwater Inlet replacements outside of the RSA (daytime work)
 - Phase 2 = Sinkhole remediation (night work)
 - Phase 3 = Aircraft Rated Inlet Installation and regrading within the RSA (night work)
 - Aircraft Rated Inlet must be precast
- » Phases are <u>not</u> concurrent
- » Night work completed in 4-hour closure window
 - 12:00am to 4:00am (generally)
- » Liquidated damages Section 00030





Notable CSPP Requirements

EMERGENCY MILITARY AIRCRAFT LAUNCH NOTIFICATION RESPONSE CONTRACTOR OBLIGATIONS FOR RUNWAY OPENING:

BHM IS HOME TO THE ALABAMA AIR NATIONAL GUARD. THE ANG MAINTAINS AN "ALERT" AIRCRAFT WHICH CAN BE LAUNCHED IN THE EVENT OF AN EMERGENCY. BAA AND THE ANG HAVE ESTABLISHED A RESPONSE PLAN IN THE EVENT THE ALERT AIRCRAFT IS CALLED UPON WHILE RUNWAY 6-24 IS CLOSED. THE FOLLOWING OUTLINES THE CONTRACTOR'S OBLIGATIONS SHOULD THE AIRPORT RECEIVE NOTIFICATION OF AN EMERGENCY ANG LAUNCH DURING A CONSTRUCTION CLOSURE OF RUNWAY 6-24.

UPON NOTIFICATION FROM BAA OPERATIONS OF AN EMERGENCY MILITARY LAUNCH:

- THE CONTRACTOR MUST REMOVE ALL MEN AND EQUIPMENT FROM THE RUNWAY 6-24 SAFETY AREA AND ENSURE THAT ALL FOREIGN OBJECT DEBRIS (FOD) IS SWEPT FROM RUNWAY 6-24.
- 2. THE CONTRACTOR, UNDER ESCORT OF AIRPORT OPERATIONS, MUST REMOVE ALL BARRICADES FROM RUNWAY 6-24 AND ITS SAFETY AREA, IF APPLICABLE.
- 3. THE CONTRACTOR, UNDER ESCORT OF AIRPORT OPERATIONS, MUST REMOVE BOTH LIGHTED X'S FROM THE RUNWAY ENDS.

IF TIME PERMITS, BAA OPERATIONS WILL ESCORT CONTRACTOR PERSONNEL TO REESTABLISH THE RUNWAY CLOSURE AFTER THE MILITARY AIRCRAFT HAS DEPARTED BHM

FAR PART 139 COMPLIANCE NOTES:

- THE BIRMINGHAM-SHUTTLESWORTH INTERNATIONAL AIRPORT IS GOVERNED IN PART BY FEDERAL AVIATION REGULATIONS (FAR) PART 139.
 THIS MEANS THE AIRPORT IS REQUIRED TO ENSURE THE SAFETY AND OPERATIONAL COMPLIANCE OF THE AIRFIELD AT ALL TIMES.
- 2. THIS PROJECT IS LOCATED IN THE INTERSECTION OF BOTH AIRPORT RUNWAYS, WITHIN THE RUNWAY SAFETY AREA (RSA). THIS IS AN EXTREMELY CRITICAL LOCATION ON THE AIRPIELD. THROUGHOUT THE DURATION OF THE PROJECT, THE CONTRACTOR IS REQUIRED TO LEAVE THE WORK SITE, AND THE SURROUNDING RUNWAY PAVEMENTS, IN AN ACCEPTABLE CONDITION THAT MEETS THE REQUIREMENTS OF FAR PART 139. THESE REQUIREMENTS INCLUDE:
 - NO DROP-OFFS GREATER THAN 2" ANYWHERE ON THE SITE
 - GRADE TRANSITIONS MUST BE SMOOTH AND THE AREA MUST BE FREE OF ANY RUTS, HOLES, EXCAVATIONS, ETC.
 - NO CONSTRUCTION EQUIPMENT OR MATERIALS LEFT IN THE WORK AREA
 - NO FOREIGN OBJECT DEBRIS (FOD) EITHER ON THE RUNWAY PAVEMENTS OR IN THE TURF AREAS. FOD INCLUDES WRAPPERS, GARBAGE. TRACKED DIRT OR GRAVEL ON PAVEMENTS, ETC.
 - NO PONDING OR STANDING WATER
 - NOTHING THAT COULD BE A WILDLIFE ATTRACTANT (FOOD DEBRIS, ETC.)

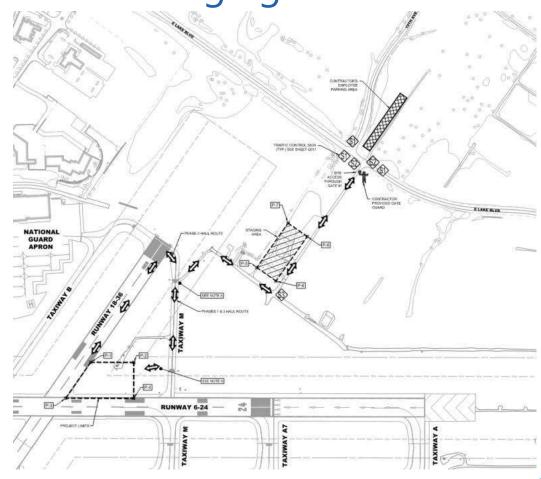
PRIOR TO OPENING THE RUNWAY(S) EACH MORNING, AIRPORT OPERATIONS WILL INSPECT THE WORK SITE TO ENSURE IT COMPLIES WITH FAR PART 139. THE CONTRACTOR MUST ADHERE TO EVERY DIRECTION GIVEN BY AIRPORT OPERATIONS TO CORRECT AND ADDRESS ANY DEFICIENCY. ALL COSTS ASSOCIATED WITH ENSURING A PART 139 COMPLIANT PROJECT AREA EACH DAY ARE CONSIDERED INCIDENTAL TO THE VARIOUS ITEMS OF THIS CONTRACT.

» Refer to notes on Sheet G011 and throughout the CSPP



Site Access & Staging

- » Access via Gate #1 off E. Lake Blvd
- » Staging area inside the AOA gate
 - All equipment and materials must be stored/staged here each day
 - Nothing may be left on the airfield within the construction area
- » Protection of airfield pavements





BIRMINGHAM AIRPORT AUTHORITY

Safety & Security Overview

- » Refer to the plans and the CSPP in the Project Manual
- » Basics include:
 - Flags and/or beacons on all equipment and vehicles
 - Company logos on all prime and subcontractor equipment/vehicles (includes trucking)
 - Maintenance of barricades and other closure markers
 - Foreign Object Debris (FOD) control
 - Lines of communication & emergency contacts
- » Project is located within the Air Operations Area (AOA)
 - Airport badging requirements apply
 - Gate guard and access control requirements strictly enforced
 - Refer to Project Manual for Airport Badging and Gate Guard policies





Birmingham-Shuttlesworth International Airport Badging Information and FAQs

Remon LO

00204-1



BIRMINGHAM-SHUTTLESWORTH INTERNATIONAL AIRPORT (BHM)

Notable Contract Items

- » FAA AIP Funding
 - All FAA/Federal contract requirements apply
- » Form of Bid: Unit Price
 - Unit prices in words and numbers
 - Hold for 120 calendar days
- » DBE Participation = 20% Goal
 - Include required forms in bid
 - Document good faith effort
- » SBE Target Goal = 3% Goal
 - Voluntary goal highly encouraged
- » Davis-Bacon Wage Rates and Certified Payrolls

- » Bonds & Insurance:
 - 5% Bid Bond
 - 100% Performance & Payment Bonds
 - Insurance Reqmt's contained in Project Manual
- » Permits: Contractor responsible for obtaining all necessary permits
- Taxes: Contractor is responsible for paying all taxes – no exemption
- » Basis of Award: Lowest, qualified, responsive bidder - refer to Section 00030 of the Project Manual





Bidding Information

- » Obtaining Bid Documents:
 - Electronic Delivery Only available 4/01/2025
 - \$25.00 one-time charge
 - Contact Eddie Rodriguez (RS&H)
 - <u>eddie.rodriguez@rsandh.com</u>
 - 358 St. Louis Street, Suite C Mobile, AL 36602
 - Plan holders list (attached in minutes)
- » Bidding Milestones:
 - Deadline for Questions: 4/22/2025 @ 5:00pm local
 - Bid Opening: 4/29/2025 @ 2:00pm local
 - Bids shall be in sealed envelope
 - AL requires contractor license on outside
 - See Project Manual for complete instructions





Questions?

- » Must be received in writing
 - Submit to Mr. Ed Seoane, Vice President of Purchasing, Birmingham Airport Authority
 - <u>eseoane@flybhm.com</u>
 - Deadline for questions is April 22, 2025, at 5:00 PM
- » Addenda
 - Addenda will go out to all registered plan holders as soon as the addendum is issued in same manner as bid documents are delivered
 - Addendum will be issued with Pre-Bid minutes, Pre-Bid slides, plan-holder list, and question responses
- » Open Floor





Thank You







LOCATION: Birmingham Shuttlesworth International Airport

RS&H Alabama , Inc.

Prepared by: ER

PROJECT DESCRIPTION:

RS&H Project No.: 1048-0210-001

Runway Intersection Drainage Improvements

BID DOCUMENT PLAN HOLDERS LIST

	Plan Holder	Bid	Bid Documents			
	Fiaii noidei	Requested	Sent	Opened		
Name	Jeordie Mason			✓		
Company	JEM Contracting LLC	✓	\checkmark			
Email	jeormason@bellsouth.net>					
Name	Pat McDonald					
Company	Carcel & G Construction LLC	✓				
Email	pat.mcdonald@carcelandg.com					
Name	Alvis Braden					
Company	SDAC	✓	\checkmark	✓		
Email	abraden@sdac8a.com					
Name	Todd Ketner					
Company	C.S. Beatty Construction, LLC	✓	-			
Email	tketner@csbeatty.com					
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