



Request for Quote (RFQ)
ADDENDUM NUMBER TWO (2)
DATE: September 10, 2025

PROJECT: ARC Flash Study and Infrared Scan
Birmingham-Shuttlesworth International Airport
Birmingham, Alabama

From: Birmingham Airport Authority (BAA)
5900 Messer Airport Highway
Birmingham, Alabama 35212

To: All Participants

General:

This addendum will form a part of the and modifies the original Request for Quote (RFQ) document. The following changes take precedence over items in the RFQ. Any portion of the RFQ not changed by this Addendum remains in effect. Recipients of the Addendum are advised to provide this Addendum to anyone to whom they further distribute without the BAA's knowledge.

Participants in this RFQ are required to acknowledge receipt of this Addendum in their proposal. Failure to do so may subject Proposer for disqualification.

ADDITIONAL INFORMATION/CLARIFICATIONS/DESCRIBED BELOW:

The single line drawings do not cover all the panels that will be needed to be in quotes on the bid. We will cover the panel during the on-site visit.

Locations: Parking Deck, Helix, Terminal, Maintenance facility, Aircraft rescue and Fire Station, and Airfield Vault.

1. **Question:** Do you have any data provided on the electrical systems for our quote basis?
Answer: Yes
2. **Question:** How is the Authority creating a baseline regarding equipment counts in each of the locations listed within the RFP?
Answer: We are looking to compare nameplate data with drawings and specifications. You can provide recommendations in areas also.
3. **Question:** Do electrical single lines exist that would allow us to quantify the system and help us allocate the proper amount of time, or is the Authority proposing to host a pre-proposal bid meeting so that we can gather this information?
Answer: Yes, single line exists.
4. **Question:** Confirm the correct email address for Quote submission for this RFQ?
Answer: khazelwood@flybhm.com
5. **Question:** Include AMPSAFE on the registered Proponents distribution for Addenda/Q&A
Answer: See attached
6. **Question:** Provide or direct us to any available baseline documents (one-line/as-builts, panel/feeder schedules, utility SCC/XR, protective device models/settings, any prior studies/label counts, IR operating constraints, and deliverable preferences)
Answer: We will provide documents with single-line drawings. Onsite walk thorough will be scheduled
7. **Question:** Can the request for ensuring accuracy and replacing nameplates be removed from the scope of work? This is not a task associated with NFPA 70E requirements and will be hard for most arc flash providers to meet. Or can the scope on this one be altered to "provide recommendations on where updated nameplate information is needed."
Answer: We are looking to compare nameplate data with drawings and specifications. You can provide recommendations in areas also.

8. **Question:** Can the Authority provide clarification on the scope of the equipment to be included in the infrared scan?
Answer: Yes, all equipment: switchgear, branch pads, disconnect switches, transformers, lighting contactors, bus-ducts and ATS.
9. **Question:** Can the Authority provide clarification on the depth of the arc flash scope? For example, is only the distribution equipment (MSGR, distribution panels, and things of that nature) to be included in the model or should local loads (3 phase disconnects, machine panels, etc) be included as well?
Answer: See question #8
10. **Question:** Does this project require an *Alabama PE license*? If so, would it be acceptable to submit the AL PE license after the award?
Answer: Yes
11. **Question:** Is a single-line diagram (SLD) or bill of materials (BOM) available to share with bidders?
Answer: Yes, we will attach all the information we have.
12. **Question:** Can the Birmingham Airport Authority provide the *native files and any previous reports*, if available?
Answer: No information available.
13. **Question:** Regarding insurance, to ensure proper coverage while keeping the requirement reasonable, we propose Commercial Liability/Umbrella coverage at \$5M. Could you please confirm if this would be acceptable?
Answer: Insurance can be negotiated with the winning bidder.
14. **Question:** Visual & mechanical inspections: What exactly is included, and which systems/equipment does it apply to (e.g., switchgear, MCCs, panelboards, transformers, ATS, UPS)?
Answer: See answer #8
15. **Question:** Inspection standards: Should inspections be performed and documented in accordance with NEC (NFPA 70), NFPA 70E, and manufacturer instructions? Is there an Owner checklist we must follow?
Answer: Yes

16. **Question:** Measure vs. calculate: For the items listed after i.e., voltage drop, harmonics, phase balance, do you expect instrumented on-site measurements, engineering calculations from the model, or both? If measurements are required, please indicate measurement points, any data-logging duration, and acceptance criteria (if applicable).

Answer: Please refer to NFPA 70B CH 9

17. **Question:** Infrared (IR) conditions: Are there minimum load/operating conditions, access limitations, or specific windows for safe/representative IR scanning? Is photography of nameplates/equipment permitted for the inventory?

Answer: Yes

18. **Question:** Ultrasonic: What are the intended targets/locations (e.g., switchgear compartments, disconnects, terminations) and what deliverables are expected?

Answer: The Airport Authority will discuss scheduling with the winning bidder.

19. **Question:** Field personnel certifications: Do personnel performing measurements/field testing require any formal certifications (e.g., NETA, ASNT Level II thermography, NICET, or equivalent)?

Answer: The contractor should have all the necessary certifications to conduct the test and study.

20. **Question:** Does the engineer performing the data collection for the studies need to have a specific certification?

Answer: The contractor should provide the necessary certifications for the project.

21. **Question:** Will the client provide the electrician responsible for opening electrical equipment to gather data for the studies? If not, what qualifications must the electrician performing this work possess?

Answer: No

22. **Question:** Will the client provide a site expert to guide the electrician and engineer during the data collection for the studies?

Answer: The airport will escort the contractor to the locations.

23. **Question:** Nameplate/protection data fields: Please confirm the data set to capture per device (e.g., equipment ID; voltage; FLA; SCCR/interrupting rating; frame/trip/sensor; breaker/relay model and all settings; CT/VT ratios; transformer kVA/%Z; grounding; enclosure/class, etc.).

Answer: Please see questions #7

24. **Question:** Preferred study software: Do you prefer SKM, ETAP, EasyPower, or another platform for the one-line model and studies?

Answer: The airport is open to any software.

25. **Question:** Coordination objective: Should the coordination study primarily emphasize system reliability/continuity, reducing arc-flash incident energy, or a balanced approach?

Answer: Yes

26. **Question:** Arc-flash labels: Should we install labels on-site as part of this project, or deliver labels for the Owner's installation? Do you have any material/size/layout standard?

Answer: Please provide affixed approve ARC Flash labels per 70B and NEC

27. **Question:** Cleaning / energized work / minor repairs: Which equipment types are in scope for cleaning (e.g., switchgear, MCCs, panelboards, disconnects)? Is cleaning to be performed de-energized under LOTO only? Please define what "minor repairs" include.

Answer: Vacuum or blowing for cleaning. Minor repairs will include torquing if needed, missing knockouts and any other problem that may arise.

28. **Question:** Verification of proper installation: Should conformance be checked against NEC and manufacturer instructions, with code references noted for any deviations?

Answer: Yes

29. **Question:** Baseline drawings/data: To size and model the system, can you provide Single-Line Diagrams/as-builts, panel/feeder schedules, equipment lists, and any existing coordination curves/studies?

Answer: Yes

30. **Question:** Do the study reports need to be sealed by a Professional Engineer (PE)? If so, must the PE be licensed specifically in the state where the work is performed, or is a license from any U.S. state acceptable?

Answer: No, it does not need to be sealed.

31. **Question:** Does the Alternate include IR + full studies (Short-Circuit, Coordination, Arc-Flash) in years 2–3, or just IR? Would you like per-year pricing plus a 3-year total?

Answer: Yes, the study should be done every year. Yes, you can do a per-year pricing.

32. **Question:** Partial vs. full scope: May we submit a partial proposal covering only the portion AMPSAFE performs in-house (e.g., modeling/studies/labels) and exclude IR/ultrasonic/cleaning/minor repairs? If partial proposals are acceptable, would you prefer we list add-alternates or include subcontractors for the remaining items? Or must proposals cover the entire Scope of Work?
Answer: No, we need the full scope.
33. **Question:** Point of contact while Karen is OOO: Please confirm the interim contact (Purchasing/Engineering) for RFIs and document exchange.
Answer: I'm back in the office but in my absence; Ed Seoane or Jordan Howard
34. **Question:** Submission email: Please confirm the official inbox for Quote submission.
Answer: Please see question #4
35. **Question:** Document transfer method: How will baseline documents be shared (SLDs/as-builts, panel/feeder schedules, utility SCC/XR/clearing times, protection settings/curves, prior studies)—via link/repository or email?
Answer: We will send them by email if applicable or provide during site visit.
36. **Question:** Deliverables format: Beyond digital copies, how many hard-copy sets are required? Do you also require editable one-line files in addition to PDFs?
Answer: Email or drop of quote, one copy
37. **Question:** Pricing structure: May we submit lump-sum pricing per facility and a total, and treat Alternate 1 (3-year) as optional with per-year pricing plus a 3-year total
Answer: You can provide pricing for each year
38. **Question:** Could you please provide an equipment list? Or perhaps previous single line drawings from a former study?
Answer: We will attach all the drawings we currently have. The additional equipment that's not on the drawing will be provided during the site visit.
39. **Question:** Is there more pertinent info available?
Answer: Attached is all the information we have. We disclose the rest in the site visit.
40. **Question:** We'd like to review any baseline information you already have available, for example, current electrical drawings/as-builts, any prior studies or reports, high-level equipment distribution details, and any known operating or access constraints.
Answer: Attached is all the information we have. We disclose the rest in the site visit.

41. **Question:** Estimated duration of the walkthrough

Answer: Potentially 2 hours

42. **Question:** Onsite Host and Meeting Point

Answer: Joe Hudson meeting in the BAA lobby

43. **Question:** Is a BAA badge required for the walkthrough, or is **escort** sufficient?

Answer: BAA will escort, each attendee must bring their Driver's License

44. **Question:** Is PPE required for the walk-through?

Answer: You must provide your own PPE.