



Rhode Island Airport Corporation

December 11, 2014

INVITATION FOR BID NO. 25693 REFURBISHMENT OF INCOMING BAGGAGE CLAIM DEVICES T. F. GREEN AIRPORT

INTRODUCTION

The Rhode Island Airport Corporation (RIAC) is seeking bids to refurbish the Incoming Baggage Claim Devices consisting of 4 flat plate incoming baggage carrousel located at 2000 Post Road, Warwick, RI at T. F. Green Airport.

A pre-bid meeting and site visit will be held at 1:00 p.m., Thursday, December 18, 2014 at the Terminal, 2000 Post Road, Warwick R.I (Warwick Conference Room). It is strongly recommended that proposed bidders attend the pre-bid conference to familiarize themselves with the Scope of Work and site restrictions. RIAC will not be obligated to schedule site visits after the pre-bid conference. No claims for extra costs shall be allowed because of lack of full knowledge of verifiable conditions.

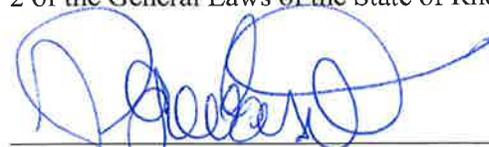
All attendees must complete the "Visitor Badge Application" and return no later 1 p.m. December 16, 2014 (applications must be completed, scanned and emailed to jdasilva@pvdairport.com) in order to participate in the site walk-thru following the meeting. Attendees who do not complete this form will not be permitted to attend this portion of the pre-bid conference.

RIAC reserves the right to waive any irregularities and to reject any and all bids on any basis without disclosing the reason. RIAC will be the sole judge in determining as equivalent products. Sealed bids will be received at: Rhode Island Airport Corporation, Office of Administration, Attention: Office of Procurement, 3rd Floor, T. F. Green Airport, 2000 Post Road, Warwick RI 02886-1533.

Due date for bids is no later than 10:00 a.m., January 6, 2015, at which time they will be publicly opened. Bids must be in a sealed envelope clearly marked "**IFB No. 25693 REFURBISHMENT OF INCOMING BAGGAGE CLAIM DEVICES**". RIAC will not accept late bids under any circumstances. All costs incurred in connection with responding to this IFB shall be borne by the bidder.

The successful bidder will be the lowest responsible bidder. For purposes of this solicitation, the lowest responsible bidder is the firm that RIAC determines meets the specifications at the lowest price. The successful bidder must hold the bid price for ninety (90) days from bid opening date, and may not withdraw their bid for at least thirty days (30) after the time and date set for the receipt of bids.

Procedures respecting bids and the selection of Contractors shall be in conformity with Title 37, Chapter 2 of the General Laws of the State of Rhode Island and RIAC procurement rules.



Jeff Goulet
Purchasing Agent

BAGGAGE HANDLING SYSTEM

TECHNICAL SPECIFICATIONS

PART I-GENERAL

1.01 RELATED DOCUMENTS.

A. General

1. These written Specifications general terms and conditions constitute the Contract Documents for the Project. If there are any discrepancies between these written Specifications and the Contract documents, the more stringent requirement shall apply as interpreted by RIAC or their representative.

B. Existing Make-up Devices Drawings/Documents.

1. Information regarding the existing Make-up Devices that are designated for (such as but not limited to electrical as-built drawings, O&M Manuals and layout drawings/documents) shall be obtained from RIAC's maintenance group.

1.02 SUMMARY

A. General

1. This Baggage Handling System (BHS) Specification is divided into three (3) parts as follows:
 - a. Part I specifies general administrative and procedural requirements for the refurbishment of the Make-up Devices.
 - b. Part II specifies product information including approved equipment requirements.
 - c. Part III specifies execution requirements for the refurbishment of the Make-up Devices.
2. The BHS Specification is intended to outline the work, define functional requirements and establish minimum standards of quality for the Project. The BHS Contractor shall assume full responsibility that the refurbishment of the Make-up Devices when completed, meet all local, state and federal laws, codes and safety standards and assures a safe and efficient system for all personnel who operate, maintain or have access to it.
3. The flat plate make-up Devices that are specified to be refurbished are located within the T.F. Green Airport Bag Claim Devices (CD) area with units CD1, CD2, CD3 and CD4. Bag Claim Devices CD1, CD2 and CD3 are G&T Flat Plate Claim Devices. The approximate in service date(s) circa 1994-1998. These units were put into service as part of the temporary airport configuration in '94, and then moved over to its current location when the airport was nearing completion, '97-'98. In addition, Claim Unit 3 was combined with Old Claim Unit 4 (also a G&T Devices) in 2007. The parts to perform this connection were provided by G&T and the site work/installation was performed by the F.W. Webb company without G&T's involvement. Units CD1 and CD2 each have 103 plates and links and CD3 has 190 plates and links. Bag Claim Device CD4 has 113 plates and links and was put in service around 1998 as well. It appears as though portions of CD4 may have been manufactured by Horsley with portions provided by Stearns Airport Equipment. Stearns is no longer in business but the parts can be purchased by various after-market vendors. The flat plate Devices are currently operational and they are intended to be made available to the Contractor for the specified refurbishment effort. In this regard, provide the best schedule duration for the specified refurbishment work (indicate number of weeks for completion of work after NTP).

B. Scope of Work

1. Vendor shall be responsible for the complete refurbishment of the existing flat plate make-up Devices and the replacement of the internal components under the crescent flat plates, as referenced in the enclosed OEM manual and specified below.
2. The refurbishment of the make-up Devices shall comply with the specified requirements and the OEM's maintenance recommendations for refurbishment and replacement of related components. The scope of work shall also include the removal and disposal of the existing make-up Devices equipment/components that are designated to be removed/replaced and the installation of all necessary equipment/components, as specified above and referenced in the OEM manual. Provide a complete, operable, maintainable and safe system on a "turnkey basis",

including all related components, supports, anchors, framing, trim, electrical/controls upgrades (i.e., soft start controls) from the existing sources, including but not limited to wiring, conduits, controls, push buttons and all other components, whether specifically shown and described, or implied in the specifications or wherever required to effectively accomplish the intended functions of the make-up Devices refurbishment. In all cases where a Device or part of the equipment is herein referred to in the singular number, it is intended that such reference shall apply to as many such Devices as are required to satisfactorily complete the complete refurbishment of the units.

3. Furnish all labor, materials, and equipment required for implementing the refurbishment of the Make-up Devices as defined by these specifications, including but not limited to installation, all required acceptance testing, necessary protection of new equipment/components that is under the refurbishment program, materials, all as required, for implementing the specified refurbishment requirements of the make-up Devices defined by these specifications.
 4. Furnish an implementation schedule to RIAC or their representative, including a list of the required equipment/component parts lists for the refurbishment effort- all in strict accordance with the specifications and subject to the terms and conditions of the Contract. Take into consideration any long lead procurement items and take the necessary actions required to complete the refurbishment of the make-up Devices per the project schedule requirements.
 5. Provide all hardware, software, programming and site supervision to ensure that after the refurbishment of the make-up Devices and related components operate on a fully integrated "Turnkey" basis.
 6. The Contract Documents are intended to generally outline the make-up Devices configuration and associated components, but these shall necessarily be determined by review and inspection of O&M Manual documents and verified by actual field measurements by the BHS Contractor prior to proceeding with the specified work. Verify as-built conditions and notify RIAC or their representative of conflicts.
 7. All refurbishment, upgrades and modifications to the Make-up Devices and installation of new equipment/components shall be in accordance with all codes and standards and local laws and regulations, applicable to the design and construction of this type of equipment, which are generally accepted and used as good practice throughout the industry, i.e., NFPA, Underwriters Laboratories, OSHA, SAE publications, National Electrical Code (NEC), American National Standards.
 8. Submit to RIAC or their representative any request for information, clarification of specification, and variance from the specifications as a Request For Information (RFI).
 9. Obtain and pay for all permits, inspection fees, and certificates relative to the specified work.
 10. Be responsible for all employee badges as required by the RIAC for this project. RIAC shall not provide escort services for employees on the AOA side of the facility.
 11. Provide any and all temporary power and lighting that may be required for and during the course of the refurbishment effort.
 12. Perform a complete mechanical and electrical field survey of the existing make-up device equipment and maintain consistency with the existing components.
 13. After completion of the make-up Devices refurbishment requirements, the BHS Contractor shall demonstrate its operating capability. The BHS Contractor, prior to the start of the Make-up Devices Acceptance Tests, should have accomplished all "debugging" and internal testing. In addition, the BHS Contractor shall carry out a "dry test run" of all Acceptance Tests prior to conducting such tests with RIAC or their representative to ensure that tests conducted with RIAC or their representative are successful. The BHS Contractor shall make available to RIAC on a daily basis any and all records of internal testing and debugging (with corrective action) performed prior to Acceptance Testing.
 14. It is suggested to visit the project site prior to bidding, to thoroughly be acquainted with the scope of work and refurbishment requirements that are directly associated with the existing area of the facility.
- C. Make-up Devices Refurbishment Requirements
1. Provision of all new make-up Devices components consistent with the existing conditions and original equipment manufacturer's design requirements.
 2. Replacement of all 4 flat plate Devices crescent plate carriage links (390 G&T and 113 Stearns) with associated components such as, but not limited to, support and guide wheel assemblies with associated shoulder bolts, gear lock bearings, linear sprockets, thrust washers, lock nuts, rub blocks, cam followers (CD4 unit only), etc. Once links are

replaced on each unit, check the tension and properly tension each unit. Minor slack tension in the turns can be accomplished by extending out the internal portion of the vertical track in key areas of the turns. Some minor pieces of mild steel required to close up the gaps on the internal sections will need to be provided. This will not affect the outer trim of the claim Devices. Major slack adjustments will require the 180 degree turns to be cut loose and slide the complete frame, deck and stainless trim to a point where the tension is good and the slack is removed in all turns. Once track is in place, re-weld or bolt in place.

3. Check, adjust and replace as needed all guide/load rails at the turns of the flat plate make-up Devices for bidding purposes on CD3 replace; QTY 1 - 90 degree outer radius trim angle and one straight section at the "second" drive with QTY 2 - 10 foot pieces of straight hot rolled, painted black, trim angle to be cut and fit in the field accordingly. As well as QTY 1 - 90 degree piece of outer perimeter stainless steel trim finger guard, these sections to be provided and cut to fit in the field. Each of the various pieces described herein would be supplied in 4, 5 and 10 foot lengths and cut to fit in the field.
4. Replacement of all 4 baggage Claim Devices QTY 5 complete drive sections (frame, track, linear drive, and motor/gearbox). Also, service the motor and gearbox per the OEM's recommendations.
5. Replacement of the damaged shrouding and finger-guards (for bidding purposes assume 50 linear feet, but that will be assessed proportionately to the actual length that will be replaced). Additionally, repair and make the necessary adjustments to the rest of the shrouding and finger-guards along the length of the each unit to eliminate sharp protruding edges. Secure all shrouding, finger-guards and metal flashing as necessary around the perimeter of the make-up Devices and adjust the expansion joints. All trim to be reset to proper height so as not to drag on the top coat of the plate. Also at time of resetting the trim, the hardware /weld strip be replaced as necessary with flange nuts tack welded in place to set and secure the height of the trim.
6. On CD4 check and replace load wheels and grommets as needed that are mounted to the track frame (for bidding purposes assume 500 load wheels and grommets, but that will be assessed proportionately to the actual quantity that will be replaced)
7. Any new baggage Claim pieces are to be field fit accordingly and hot rolled frame and track section (pieces), SS finger trim, SS fascia from frame, SS for raised decking, plywood and associated misc. hardware. (Carpet to be repaired by RIAC).
8. Replace QTY 5 (total) Soft Start Controls in the respective MCP Control Panels as specified elsewhere in this specification.
9. Provide energy saving design, materials and labor option to change the Operational Controls on CD3 to allow one of the carousel drives to be shut off after the baggage Claim Devices is running and then alternate the drive's running on each new run cycle, while Maintaining consistency with the existing control Devices and control stations.
10. Clean all debris from the underside of the make-up Devices.
11. Five Star Airport Alliance (G&T Conveyor & The Horsley Company) to provide the final inspection of drive adjustments, (fine tuning) or conveyor modifications / expansion as required (For bidding purposes assume).
 - i. Daily Rate to provide this service: 1,200 per day plus expenses. 3 day minimum per trip.
 - ii. Weekly rate to provide this service: \$5,000 per week

1.03 DEFINITIONS

A. Abbreviations

1. ANS shall mean American National Standards
2. ANSI shall mean American National Standards Institute
3. ASCII shall mean American Standard Code for Information Interchange
4. AOA shall mean Airport Operations Area
5. BHS shall mean Baggage Handling System
8. CEMA shall mean Conveyor Equipment Manufacturers Association
9. FPM shall mean Feet Per Minute

10. GC shall mean General Contractor - a firm or person other than the BHS Contractor who shall enter or has entered into a Contract with RIAC and who shall be identified by RIAC or their representative for work at the Airport relating to this contract.
11. ID shall mean Identification
12. MCP shall mean Motor Control Panel. The MCP contains the electrical control and power circuit Devices for the control of the make-up Devices.
13. MTBF shall mean- Mean Time Between Failures
14. NEMA shall mean National Electrical Manufacturers' Association
15. NFPA shall mean National Fire Protection Association
16. NIC shall mean Not In Contract
17. NTP shall mean Notice-to-Proceed.
18. O&M shall mean Operations and Maintenance
19. OEM shall mean Original Equipment Manufacturer
20. OSHA shall mean Occupational Safety and Health Administration
21. Owner shall mean Rhode Island Airport Corporation (RIAC)
22. RFI shall mean Request For Information
23. UL shall mean Underwriters Laboratories

B. General

1. Baggage Handling System Contractor shall be synonymous with Equipment Contractor, Equipment Supplier, Baggage Contractor, BHS Contractor, Supplier and Contractor and shall mean the firm or company that is responsible for the refurbishment of the make-up Devices as described by the Contract Documents.
2. In these written Specifications and on the Contract documents (unless inconsistent with the content or subject matter or unless a contrary intention otherwise appears) the following clarifications/definitions shall apply:
 - a. As Built shall encompass all elements of the term As Executed.
 - b. Bill of Quantities shall mean a document named therein as a Bill of Quantities issued to bidders by or on behalf of RIAC, stating quantities of work to be carried out.
 - c. Completion shall mean:
 - 1.) That stage of the execution of the Work under the Contract when the Works are completed and all other things, which are required by the Contract to be performed by the Contractor before completion, have been performed and accepted.
 - 2.) Where contract or specifications provide a period of time for completion, the last day of the period.
 - 3.) However, if RIAC grants an extension of time for completion, it means the date resulting from the extension of time.
 - d. Contract means this Deed of Agreement between RIAC and the Contractor for the performance of the Works, together with all schedules, attachments, annexure and other documents incorporated into this Contract.
 - e. Contract Sum means:
 - 1.) Where RIAC accepted a lump sum, the lump sum.
 - 2.) Where RIAC accepted rates, the sum ascertained by adding the products of the rates and the corresponding quantities in the Schedule of Rates.
 - 3.) Where RIAC accepted a lump sum and rates, the aggregate of the sums referred to in paragraphs I and

2 above.

f. Date for Completion shall mean:

- 1.) Where contract provides a date for completion that date.
- 2.) Where contract or specifications provide a period of time for completion, the last day of the period.
- 3.) However, if RIAC grants an extension of time for completion, it means the date resulting from the extension of time.
- 4.) The date certified by RIAC in a Certificate of Completion to be the date upon which the Works have reached completion.

g. Daily means a calendar day.

h. Other Contractor or Other shall mean a firm or person other than the BHS Contractor who shall enter or has entered into a Contract with RIAC.

i. Project shall mean the incoming baggage carousels refurbish consisting of 4 flat plate make up conveyor Devices located at 2000 Post Road, Warwick, RI at T. F. Green Airport, as described in these written Specifications.

j. Schedule of Rates shall mean any schedule included in the Contract, which, in respect of any section or item of work to be carried out, shows the rate or respective rates of payment for execution of that work, and which may also include provisional items, provisional sums, quantities and prices. The schedules of rates are fixed sums for the duration of the Contract with RIAC.

k. Site means the lands and other places made available or to be made available to the Contractor by RIAC for the purpose of the Contract.

l. Specifications means the Specification for the Works included in the Contract and any modification of such Specification thereafter.

m. The Works shall mean the whole of the work to be executed in accordance with the Contract, including variations provided for by the Contract.

n. Words importing the singular include plural and words importing the plural include the singular.

o. Words importing persons include a partnership and a body corporate.

p. Words importing the masculine gender include the feminine and neuter genders.

q. Work Under The Contract shall mean any work the BHS Contractor is or may be required to execute under the Contract and includes variations, remedial work and Temporary Work.

1.04 SUBMITTALS

A. General

1. All submittals shall be in accordance with the Conditions of the Contract.
2. Submit the following documentation at the time specified during the course of the work, and in accordance with the following Submittal Deadlines.
3. Prepare all documents in the English language.

B. Bid Proposal Submissions

1. The BHS Contractor is deemed to have studied the proposed refurbishment requirements that are described in the specification and accepted the requirements as suitable and appropriate to safely accomplish the functions and processes described herein. The BHS Contractor shall identify in the bid submission any specification requirement that is believed to be inappropriate or inadequate and shall propose alternate solutions to alleviate the perceived work, developed by the BHS Contractor must meet or exceed the specified criteria as listed in the specifications.
2. Include in the proposal submission the following items:

- a. Quote for specified make-up Devices refurbishment, including a price schedule (breakdown), as outlined in Pricing on Page "38".
- b. Any exceptions to these specifications or contract terms in a separate section titled "Exceptions" (reference on Page 37).
- c. Best schedule duration for the works. Provide a project schedule outline for the refurbishment of the make- up Devices (indicate number of weeks for completion of work after NTP).
- d. Notification of any perceived safety hazard with specified refurbishment requirements.
- e. Notification if an adjustment is required to the Contractor's Submittal Deadlines.
- f. Define the technical support to be provided during the acceptance testing.
- g. The BHS Contractor's requirements for lay down areas; include line item cost if offsite storage facility has to be rented.
- h. Provide listing of staff with resumes and qualifications that shall be working on the project. Indicate project manager's name, names and number of programmers, technicians. Include on-site and off-site participating staff and the percent of anticipated participation on this project. RIAC reserves the right to approve or reject key personnel from the list.

C. Drawings/Documents Submitted for Review

- 1. Submit for review three (3) blue-line copies (one reproducible) and an electronic copy of any shop/installation drawing to include the Energy Saving Design Option for CD3.
- 2. RIAC or their representative will review the drawings/documents and return them for revision and re-submittal within 5 days, where re-submittals are required. Revise and re-submit drawings/documents for final review by RIAC or their representative within 5 days. Any corrections or changes indicated on Shop Drawings or other documents submitted for review shall not be considered as an extra work order. Do not start work until receipt of RIAC or their representative's approval.
- 3. The comments from RIAC or their representative will not be taken to imply that the submitted information has been checked in detail. The BHS Contractor shall be fully responsible for the suitability, adequacy, integrity, durability and practicality of the assembly and components as set out in the O&M Manuals, specifications and other information submitted for acceptance by RIAC or their representative including all subsequent amendments. In no case shall RIAC's or their representative's review or comments relieve the Contractor in any way of their responsibility of ensuring that the equipment supplied complies with all specification and functions in accord with the wording and the intent of the applicable Specifications.
- 4. Do not submit drawings/documents, which are not in full compliance with the specifications unless an Engineering Change Order Request (ECR) requesting a variable from the specifications accompanies the submittal. In this case RIAC or their representative will endeavor to respond within 10 days, but shall be under no obligation to do so.
- 5. The BHS Contractor shall have approved shop drawings and an available copy of the OEM's assembly drawings at the site at all times for use in the refurbishment/installation of the work. Failure of the BHS Contractor to supply such drawings will be deemed sufficient cause to delay the work until such drawings are available for field use and reference.

D. Submittal Deadlines

- I. Listed below are the submittals and dates referred to in the applicable sections. (Indicate in the proposal submission if an adjustment to these dates is required (days indicated are working days).

Submittal Item	Ref. Paragraph	Deadline
Safety Program Manual	Parag. 1.05.C	5 days after NTP
Project Management Team	Parag. I.OS.D	5 days after NTP

Detailed Master Schedule	Parag. 1.05.E	5 days after NTP
Catalog Cuts and List of Components to be Replaced	Parag. 1.04.E	10 days after NTP
Certificate of Refurbishment/Installation Compliance	Parag. 1.04.H	10 days after completion of refurbishment/installation
Certificate of Test Compliance	Parag. 1.04.1	10 days after completion of Testing
As-Built Drawings	Parag 1.04.F	5 days prior to start-up

E. Detailed Master Schedule

- I. Submit a detailed Master Schedule as specified below for review and approval by RIAC or their representative Before commencing with any work. Display schedule in graphic form, large and spacious enough to be updated directly on the original submittal during the course of the project. Show the principal dates and commensurate activity times for each entry. Include in the schedule:
 - a. Procurement of required components for refurbishment with long-lead item order placement and expected delivery date to site.
 - b. Beginning and ending of mechanical refurbishment effort
 - c. Beginning and ending of electrical and controls engineering.
 - d. Drawing submittal and approval.
 - e. Beginning and ending of electrical and controls upgrades.
 - f. Acceptance inspections and testing.
 - g. Punch list rectification.
 - h. Final acceptance testing.
2. The BHS Contractor shall maintain and update the Master Schedule, as necessary, showing the actual progress made and any revisions in the schedules or at any time that changes in the procurement and installation cause any major change in the overall schedule.
3. If the BHS Contractor's schedule update reflects, or RIAC or their representative determines, that the BHS Contractor is at least ten percent (10%) or fourteen (14) or more calendar days behind the original progress schedule (whichever is less) for the refurbishment scope as a whole, a major Contract item, an item of make-up Devices which is on the critical path, or an item of make-up Devices not on the original critical path but that, because of the delay or anticipated delay, becomes a critical path item, then the BHS Contractor must submit its proposed recovery plan for bringing the project back on schedule and for completing the work within the Date of Completion with the schedule update.
4. The BHS Contractor may also request revisions to the Project Schedule in the event the BHS Contractors planning for the work is revised. If the BHS Contractors desires to make changes in the Project Schedule to reflect revisions in the method of operating and scheduling of the work, the BHS Contractor shall notify RIAC or their representative in writing, stating the reason for the proposed revision.
5. The BHS Contractor shall ensure there are sufficient personnel available for the purpose of coordination to ensure timely completion of the make-up Devices refurbishment and to ensure that the BHS Contractor does not hinder the work of other trades. The BHS Contractor shall provide personnel with the required experience for coordination at meetings as required by RIAC or their representative so that decisions regarding coordination issues can be made during coordination meetings and the BHS Contractor

F. Shop/Installation Drawings

- I. General
 - a. All drawings/documents submitted shall become the property of RIAC.
 - b. All drawing submittals shall be to scale. The scale utilized shall be clearly defined in the title block.
 - c. Drawings shall include the following items unless otherwise specified.

1.) Document Title Blocks

a.) In addition to information normally presented in a drawing title block, each drawing title block shall provide the following specific information:

(1.) Three letter airline code for airport designation of the project location (i.e., PVD)

(2.) Name of the Make-up Devices

(3.) Drawing scale

(4.) Drawing title

(5.) Drawing number/sheet number

(6.) Drawing date

(7.) Drawing revision date and revision number

(8.) NOTE: All drawing revisions shall be foot noted on the drawing face as well as in the appropriate revisions section of the title block.

2. Drawing Submittal Package Requirements

a. Submit to RIAC or their representative final installation drawings defining mechanical and electrical component layouts and the relationship of the Make-up Devices components to each other and to the overall make-up Devices prior to the commencement of refurbishment effort.

b. Submit As-Built drawings as per the specified submittal schedule, indicating the changes made for the electrical/controls upgrades, including location and layout of electrical Devices, operator's control panels, switches, and other control Devices.

c. As-Built drawings shall be submitted in Auto CAD.DWG format, version 2011 or Lower on CD ROM in addition to other forms of media described here in.

d. Provide an approved 11" x 17" reduced copy of the revised schematic wiring diagram(s) for the existing CD3 MCP's including outline and wiring diagram of all special Devices, which shall be placed in the door pocket of the MCP's.

G. Catalog Cuts

1. Submit a catalog cuts for all manufactured and purchased items (mechanical, electrical, PLC and related control equipment) as per the specified submittal schedule.

2. The catalog cuts must be completely legible and have the specific items used in the make-up Devices highlighted with a shaded arrow. Where a variation occurs from the standard component or a special custom ordered part has been used as a replacement for the standard supply, additional details shall be submitted to clarify the identity of the component.

3. The catalog cuts shall include the following items (this list is not to be construed as being complete since it is provided only as a guide):

a. Make-up Devices Components

b. Bearings

c. Roller chain and sprockets

d. Wiring Devices

e. Control Devices

4. Be responsible for a thorough site survey of the existing make-up Devices and submit catalog cuts of all components to be utilized for the project. Clearly identify those components that cannot be matched with the existing component, for RIAC or their representative's review and approval.

H. Certification of Refurbishment/Installation Compliance

- I. Submit certificates issued by Regulating Authorities (in compliance with work permits (electrical, mechanical, welding, Fire Marshall and other Authorities)), that the equipment has been properly installed, meets all safety standards and is operating within the required accuracy.

I. Certification of Test Compliance

- I. Submit BHS Equipment Supplier's Certification that the make-up Devices has been tested in compliance with the supplier's requirements for testing and has met all testing requirements.

1.05 QUALITY ASSURANCE GENERAL REQUIREMENTS

A. Laws, Codes, Rules and Regulations

- I. Comply with applicable Local, State and Federal laws, rules and regulations pertaining to the following:
 - a. Installations, alteration and removal including but not limited to the Federal Occupational Safety and Health Act and the Construction Safety Act.
 - b. Protection of the public during refurbishment, installation, including but not limited to, requirements for safety of operations, noise control, removal and disposal of waste materials, control of dust, dirt, pollutants, flammable materials, explosive materials, corrosive substances, and protection against fire.

B. Quality Assurance

- I. The BHS Contractor shall be responsible for all quality control of its Work, including work performed by any of its subcontractors. It shall be the BHS Contractor's responsibility to include in its own direct subcontracts those provisions which are necessary to assure that the quality of subcontracted work will be as good as that required of the BHS Contractor by the requirements herein.
2. RIAC shall have the right to audit and inspect the BHS Contractor's and its direct subcontractors' quality systems. Such audits may be conducted on a random or routine basis and may include an audit of the BHS Contractor's inspection and test records. RIAC shall have the right to witness any tests or inspections and shall have access to all test data including test procedures, test specifications, and test results. RIAC shall have the right to conduct independent tests or inspections at its own expense on any material or equipment to be used on the project. Should such Owner-directed independent test result in failure, the BHS Contractor shall reimburse Owner's expense for the test. The objective of all audits, inspections, or tests conducted by RIAC is to ensure that all BHS Contractor-performed work is accomplished in compliance with the Contract Documents.
3. RIAC shall have the right to reject, and the BHS Contractor shall replace at the BHS Contractor's cost, any refurbishment, production or installation, or portion thereof, which has not been accomplished or documented as accomplished in accordance with the accepted Quality Control Plan.

C. Safety Program Manual

- I. The BHS Contractor shall prepare a site-specific safety program manual acceptable to RIAC or their representative.
2. The Safety Program shall be implemented by the BHS Contractor to identify and resolve hazards. The Safety Program shall emphasize the prevention of accidents by resolving hazards in a systematic manner. The Safety Program Plan, as described below, will identify the responsibilities of all parties for implementing the Safety Program.
3. The Safety Program shall demonstrate compliance with all applicable safety rules and regulations. The levels of compliance shall meet the OSHA Standards, ANSI Standards, NFPA Standards, NEC Standards, and trade association standards and recommendations as applicable.
4. The safety program manual shall contain as a minimum the following:

- a. Have as its objective to provide for the safety of the employees, airline staff, general public and equipment.
- b. Encompass all elements within the BHS Contractor-provided works.
- c. Identify the safety roles and responsibilities of all the BHS Contractors' organizational elements and require accountability of each.
- d. Contain a hazard resolution process that includes the procedures necessary to identify and resolve hazards.
- e. Indicate safety inspection lists and methods that shall be utilized by all personnel employed on this project.
- f. A plan for furnishing and enforcing the use of individual protective equipment including hard hats, rain gear, protective footwear, protective clothing and gloves, eye protection, ear protection, respirators, safety belts, safety harnesses, safety lifelines and lanyards, and high visibility reflective safety vests.
- g. A plan for providing first aid facilities, supplies, and trained personnel.
- h. Emergency plans for fire emergencies, severe weather, or flooding emergencies, seriously injured personnel, traffic accidents along the project site, and injuries of members of the public.
- i. A plan for periodic safety inspections, investigations of all accidents and injuries and submission of timely reports.
- j. Submission of injury/accident/incident data for statistical analysis.

D. Project Management Team

- 1. The BHS Contractor shall submit to RIAC or their representative for review and approval, the following listing of key personnel with resumes and qualifications that will be working on the project:
 - a. Project Manager
 - b. On-Site Field Supervisor(s)
- 2. Include on-site and off-site participating personnel and the percent of anticipated participation on this project. RIAC reserves the right to approve or reject key personnel from the list.
- 3. The Project Manager and on-site Superintendent(s) shall not be changed without RIAC's written approval.
- 4. The BHS Contractor, individuals and entities constituting the BHS Contractor and the officers or directors of the BHS Contractor or entities or key members of the Project Management Team shall have records of past performance sufficient to assure RIAC or their representative that they have the experience, competence and integrity to successfully complete a project of this magnitude.

E. Intentionally Omitted

F. Workmanship

- 1. Ensure that all parts and equipment is manufactured and installed in accordance with the best commercial practices consistent with the intended design and usage and is acceptable to RIAC or their representative.
- 2. Ensure that all materials and components are new and free from defects. Do not supply used equipment, whether refurbished or reconditioned, unless indicated in the specifications or without the express approval of RIAC or their representative.

G. Pre-Refurbishment Meeting

- 1. Prior to the start of the refurbishment, attend a meeting on-site as requested by RIAC or their representative. RIAC or their representative will schedule the Pre-Refurbishment meeting for the purpose of coordinating the on-site work with ongoing airport operations.
- 2. The BHS Contractor shall provide at the meeting to RIAC the following:
 - a. Safety Program Manual
 - b. Drug Policy Manual

- c. Submittal Schedule
- d. Project Organization Chart to include all Sub Contractors
- e. Principle suppliers to include long lead items and planned procurement dates
- f. Insurance enrollment forms
- g. Updated Master Schedule
- h. Schedule of deliveries of major equipment/components.

Field Quality Control Services

1. Establish and maintain quality control for operations under this Section to ensure compliance with Contract Document requirements and maintain records of quality control for installation operations.
2. Submit quality control procedures for operations in conjunction with work under this Section for approval. Do not start work prior to receiving approval.
3. The procedures shall include a checklist of points to be observed.
4. The actual quality control observations and inspections shall be documented and a copy of the documentation maintained on file.
5. Any work found not to be in compliance with the Contract Documents, shall be promptly corrected in an approved manner, at no additional cost to RIAC.

I. Approval to Proceed

1. Before starting any work that may affect existing equipment, which would temporarily discontinue or disrupt service to the existing operations, notify RIAC or their representative 72 hours in advance and obtain RIAC or their representative approval in writing before proceeding with work.

J. Preparatory Inspection

1. To be conducted prior to commencing work:
 - a. Check schedules, project conditions, protection, utilities services maintenance, and related preparatory work for conformance to submittals.
 - b. Check to assure adequate protection against damage.
 - c. Ensure that all workers are qualified.
 - d. Review installation, refurbishment and disposal procedures to assure coordination of Contract Documents requirements with each person involved in performing the work.
 - e. Verify as-built conditions and notify RIAC or their representative of conflicts.

K. Initial Inspection

1. To be conducted after a representative sample of the work is complete:
 - a. Review the representative sample of the work against the specification and code requirements previously discussed at preparatory inspection.
 - b. Check for workmanship.
 - c. Check installation, refurbishment, and disposal of each item for conformance.
 - d. Check for damage and ensure that damaged work is corrected, at no additional cost to RIAC.
 - e. Submit documentation for review to RIAC or their representative detailing compliance of the above.

L. Follow-Up Inspection

1. Check completed work against results of initial inspection of representative sample of work against items mentioned in the preparatory inspection.
2. Verify that damaged work is connected properly and approved by RIAC or their representative, at no additional cost to RIAC.

3. Submit documentation for review to RIAC /or their representative detailing compliance of the above. M.

Inspection Results

1. Certify inspection results: This certification shall state that the observations were performed by or under the direct supervision of the BHS Contractors Quality Assurance Representative and that the results are representative of the conditions being certified.
2. Work accomplished shall be considered satisfactory only when the records and inspections show that all variances have been corrected and that the work is in conformance with the Contract Documents.
3. Submit documentation for review to RIAC or their representative detailing compliance of the above.

1.06 PROJECT CONDITIONS

A. General

1. Prior to commencing the work in the general vicinity of an existing system, utility service or facility, notify RIAC or their representative 72 hours in advance and obtain approval before proceeding with the work.
2. Failure to give the 72-hour notice shall be cause for RIAC or their representative to suspend the BHS Contractor's operations in the general vicinity of the System, utility service or facility.
3. Should damage or unscheduled interruption of airline operations, utility service or airline facility occur by accident or otherwise, the BHS Contractor shall notify RIAC or their representative and take all reasonable measures to prevent further damage or interruption of service. In such events, cooperate with the utility service, Airport Authority until such damage has been repaired and service restored to the complete satisfaction of the utility service or the Airport.

B. Installation Conditions

1. The make-up Devices refurbishment will be performed within an existing Airport at an existing facility (North and South Baggage Claim areas), immediately adjacent to an active aircraft ramp area and airline operations area.
2. The BHS Contractor should visit the site to familiarize himself with the site conditions and to understand local conditions that may affect the project before submitting their bid proposal. Where possible the BHS Contractor shall familiarize himself on the availability of temporary access, temporary lighting and power, telephone services, storage facilities, water supply, waste disposal facilities, labor supply, weather conditions, parking of vehicles, loading and unloading of materials, and equipment. In particular, he shall take into account in their bid proposal any effect that any adjacent construction, operations and maintenance works may have on the make-up Devices refurbishment. The BHS Contractor shall ascertain for himself and allow in their bid proposal for all necessary precaution and for any difficulties that may arise in the execution of the Make-up Devices refurbishment. No claims whatsoever arising out of the site constraints, difficulties of access, temporary services and facilities, labor, and any other charges will be entertained by RIAC.

C. Lay-down Area Restrictions

1. Lay-down and shake out areas may be limited to the confines of the immediate building. All Lay-Down areas shall be designated and approved by RIAC or their representative.
2. The BHS Contractor shall coordinate usage of lay-down areas with RIAC.

D. Restoration of Service Costs

1. Incur all restoration of service costs due to the negligent or accidental damage of any airport utility service or facility. RIAC reserves the right to deduct such costs from any monies due, or which may become due, from the BHS Contractor, or its surety.

1.07 PROTECTION OF THE WORK

A. General

1. Make such explorations and probes as are necessary to ascertain any required protective measures before proceeding with installation and removal. Give particular attention to equipment layout and support requirements so as to prevent any damage to Make-up Devices equipment/components.
2. Comply with the requirements and restrictions of the Contract documents.
3. Do not store or place materials in passageways, stairs or other means of egress. Do not close or obstruct walkways,

passageways, stairways, streets, walks, terminals, runways, rights-of-way, or other occupied or used facilities without written permission from RIAC or their representative. Conduct operations with minimum traffic interference.

4. Protect all equipment/components that are shipped to site for this refurbishment effort, so that the normal activities conducted in such areas may continue with no interference.
5. Utilize suitable coverings to protect the refurbishment work. Be responsible for any damage to the existing make-up Devices and facilities or other contents by reason of the insufficiency of protection provided. Promptly repair damage caused to adjacent facilities and restore as new.

1.08 SYSTEM DESIGN AND PERFORMANCE REQUIREMENTS

A. General

1. All equipment/components shall be in strict accordance with the specifications described herein. It should be noted and stressed that the refurbishment of the make-up Devices shall be performed with the objective of being rugged, heavy duty, similar to the OEM's design intent and capable of withstanding the abuse and exposure to damage experienced in an air transportation baggage handling facility. Other key factors to be considered in the refurbishment of the make-up Devices and its elements shall be simplicity, reliability, maintainability, and safety, and compatibility with existing equipment.
2. Careful consideration shall be given to the fabrication and installation of all projections, welds, and transfer points between the make-up Devices and other interfacing equipment/components to eliminate damage to the various types of baggage processed.

B. Material and Equipment Approvals

1. Where manufacturer's name, brand or trademark is specified, it has been selected to establish a standard of quality for the materials, components or equipment required. Materials, components or equipment of different manufacture considered to be equal to the materials, components or equipment specified will receive full consideration and shall be subject to approval by RIAC or their representative before being incorporated into the work. The contract price shall in all instances be based only upon materials, components or equipment specified. A list of material, component or equipment suppliers shall be submitted to RIAC or their representative for approval. Provide a listing of sources where any material, component or equipment, for which a substitution approval is being requested, can be obtained.
2. Furnish all engineering data, engineering/shop drawings, literature, test results, calculations, and any other requested information, for review of substituted material, components or equipment. The BHS Contractor shall pay for any redesign necessary to accommodate an "approved equal".

C. Request for Deviations from Specifications

1. Requests for deviations from specification requirements may be approved at the discretion of RIAC or their representative to permit use of standards inherent in the equipment when it has been determined by RIAC or their representative that such deviations will in no way be detrimental to the make-up Devices equipment/components, the safety, operation and maintenance of the specified system, system design, system reliability and its associated inventory of spare parts.
2. Any materials, components or equipment submitted for substitution for the specified refurbishment requirements shall be previously proven under the equipment loads (referenced in O&M Manual) in an operational or test equivalent environment for a minimum of 1 year, 18 hours per day, 7 days per week.

D. Service Conditions

- I. Design each element to operate satisfactorily in its respective environment as follows:
 - a. Electrical/Electronic Equipment inside Control Panels
 - 1.) Temperature: 32° to 140° F (0° to 60°C)
 - 2.) Relative Humidity: 5% to 99% Non-condensing

Mechanical - Outdoor or in Unheated Enclosures

- 1.) Temperature: -20° to 120° F (-30° to 48° C)

2.) Relative Humidity: 5% to 100% condensing

3.) Covered but not protected from driving rain.

c. Electrical/Electronic Equipment- Outdoor or in Unheated Enclosures

1.) Temperature: -20° to 120° F (-30° to 48°C)

2.) Relative Humidity: 5% to 100% condensing

3.) Covered but not protected from driving rain .

2. Provide and clearly identify any special environmental requirements more stringent than what is shown in these specifications that may be essential for correct equipment.

E. System Safety

1. The BHS Contractor shall be responsible to refurbish the make-up Devices in accordance with all of the requirements in the Contract Documents, and shall meet or exceed all applicable laws rules, orders, regulations and codes. In this regard, the BHS Contractor shall be responsible throughout this Contract to bring to the attention of RIAC or their representative in writing any changes in such laws, rules, orders, regulations and codes and any condition(s), whether caused by its design or any BHS Contract requirements, which the BHS Contractor believes may result in or has resulted in an unsafe condition(s). The BHS Contractor shall be responsible to rectify at their own cost any such condition(s) resulting from its design and not directly as a result of any Contract requirement(s). Where RIAC and the BHS Contractor mutually determine that such condition(s) is directly a result of any Contract requirement(s) or any changes in laws, rules, orders, regulations and codes, then RIAC and the BHS Contractor shall seek a mutual resolution of the condition(s) to be effected by a Change to the Contract.
2. Utilize control methods and techniques, circuitry, mechanical and electrical equipment and operating/maintenance procedures to provide maximum safety for operation and maintenance personnel and to minimize potential damage to the equipment and to the baggage being processed. Incorporate fail-safe techniques to prevent the occurrence of unsafe conditions, which could result from an equipment failure or improper implementation of the operating procedures.
3. As employed herein, the failsafe principle shall be interpreted as follows: In the event an equipment failure or external influence such as improper operation, high temperature, power failure, or other adverse condition affects the proper function of a system or element involved with the safety of life or health, said system or element shall revert to a state known to be safe to all personnel interfacing with the equipment.

F. Personnel Safety

1. The operation of the make-up Devices shall be convenient and safe to use, and control functions to be performed shall be simple to minimize possible errors. The BHS Contractor shall provide convenient means for emergency system shutdown.
2. Provide adequate means for ensuring the safety of all personnel who have access to the system.
3. Replace equipment and component guards on all make-up Devices drives. House all moving parts in personnel areas with guards.
4. Locate conduits and all other electrical components where they shall not be subject to damage by maintenance or operational personnel.

G. Noise Levels

1. The refurbishment of the make-up Devices and replacement of the specified components shall limit combined equipment and controlled ambient noise levels to 75 dB (A) maximum. However, the Make-up Devices equipment shall not increase the ambient noise level by more than 15 dB (A). In any case, ambient noise levels for the Make-up Devices equipment/components shall not exceed OSHA standards.
2. Unless otherwise specified the measurements shall be taken at a maximum distance of 5 feet vertically and 5 feet horizontally from noise producing components.
3. The noise level measurement shall be accomplished utilizing an integrating sound level meter supplied by the BHS Contractor. A qualified person employed by the BHS Contractor shall accomplish measurements and evaluation.

The BHS Contractor shall provide a certificate of calibration to RIAC or their representative.

4. The noise level shall be the Equivalent Continuous Sound Pressure Level measured over a period of one minute or more at each location. In addition, to the overall A-weighted noise level, the Equivalent Continuous Sound Pressure Level shall be measured for each octave frequency band from 125 Hz to 4000 Hz.
 5. Make-up Devices equipment noise shall not be unduly impulsive. Observing the difference, between the measured Equivalent Continuous Sound Pressure Level and the instantaneous sound pressure level, shall test the impulsiveness of the noise. A component shall be considered unduly impulsive if the differences exceed 3 dB (A).
 6. Make-up Devices equipment noise shall not be unduly tonal. Tonality shall be determined by observing the difference in level between any A-weighted octave band and each of its adjacent A-weighted octave bands. The sum of the differences shall not exceed 6 dB (A). All octave bands from 125Hz to 4000Hz shall comply with this requirement.
 7. Every component shall be tested. The components shall be tested at full design speed under load conditions.
 8. Noise level measurements shall be taken during non-operational hours to ensure passenger conversations; Movements do not unduly increase the ambient noise levels in public areas.
 9. Measurements shall be taken during a time when the ambient noise levels are at least 6 dB (A) below the make-up Devices noise level. The ambient noise level shall be determined both before and after the measurement of the components. The ambient noise level shall be determined as follows:
 - a. The Make-up Devices shall be turned off.
 - b. All other equipment (i.e., air-conditioning and heating equipment) shall be on and outside noise sources (From aircraft and mobile ground equipment) shall be as minimal.
 - c. Noise level readings shall be taken throughout a zone 5 ft. vertically and 5 ft. horizontally from the Make-up Devices equipment using an integrated sound level meter set to the A-weighted network.
 - d. After the ambient noise level has been determined, the Make-up Devices shall be turned on and the total noise level shall be measured at the same points throughout the zone that the ambient levels were measured.
 10. The BHS Contractor shall provide a written report to RIAC or their representative detailing the results of the noise level measurements.
- H. Radio Frequency Interference/ Electro Magnetic Interference (RFI/EMI)
1. Ensure by proper design/installation and shielding that system equipment shall not create electromagnetic emissions which can, in any way, cause interference with communications within the airport or between the airport and aircraft or ground support vehicles.
 2. Choose all electrical and electronic equipment to operate without malfunction in the presence of normal electromagnetic emissions generated by other equipment normally installed or used at the airport including but not limited to the aircraft communications bands, high-power radar systems, various electrical motors and controls, power tools, welding equipment, automotive vehicles, ground power units and air handling units. Provide isolation transformers and line suppression units, if required.
 3. Radio frequencies, if used for communications or information transmission within the systems, shall be applied for to the relevant Airport and Government Authorities for their designation and assignment.
- I. Maintainability, Life & Reliability
1. The requirements set forth in this section are minimum requirements and do not relieve the obligation to provide the refurbishment of the make-up Devices in which all required maintenance tasks can be readily performed.
 2. Install all components so they can be easily disconnected and removed from the equipment without the necessity for extensive disassembly. Similar to the existing conditions the design and installation of the new components shall permit the removal and replacement the equipment/components by two (2) staff in a period not to exceed two (2) hours. List all component removal/replacement or other maintenance tasks, which require more than four (4) staff-hours to accomplish. Be prepared to demonstrate that any maintenance task, not so listed, can be accomplished as described above. Correct any installation, without charge, as required to accomplish this demonstration.

3. Provide all electric assemblies, panels, or boxes with the appropriate schematic, enclosed in a clear-faced envelope affixed in a location visible to personnel while servicing such items.

J. Standard/Interchangeable Components

1. Minimize the number of different types and makes of components used for the refurbishment of the Make-up Devices, consistent with the OEM's requirements, to simplify spare part inventory. Such standardization of spare parts is of significant value in order to reduce operating expenses.
2. New equipment and components that are provided shall be in definite standard dimensions, tolerances, and clearances to provide maximum inter-changeability.
3. Provide like types of equipment from the same manufacturer wherever practicable.

K. Lifespan

1. Provide equipment components and items for a system equipment life of a minimum of 15 years and an operating Duty cycle of 18 hours a day, 365 days per year. This provision is a design objective, not a warranty.

1.09 STANDARDS AND CONSTRUCTION CODES

A. General

1. The refurbishment of the make-up Devices shall provide adequate safety factors and shall conform to all current standards and codes of the State of RI, RIAC and Airlines whichever is more stringent.

B. Construction Codes

- I. In the event no specific local codes or standards can be identified, the Contractor shall comply with the most recent version, applicable provisions and recommendations of the following:

a. American Welding Society (AWS)

- 1.) D-1.1 Welder Qualifications
- 2.) AWS-C1.1 Recommended Practice for Resistance Welding in Building Construction
- 3.) A WS-A2.0 Standard Welding Symbols
- 4.) D-1-0 Standard welding practice in building construction

b. American Gear Manufacturers Association Standards (AGMA)

- 1.) 6009-AOO Practice for Gear Motors
- 2.) 6035-A02 Practice for Worm Gear Motors

c. American National Standards Institute (ANSI)

- 1.) A-1264.1 Safety Code for Floor and Wall Openings, Railing, and Toe Boards
- 2.) B-20.1 Safety Code for Conveyors, Cableways, and Related Equipment
- 3.) B-29.10M Transmission Roller Chains and Sprocket Teeth
- 4.) C-33.1 Safety Standard for Flexible Cord and Fixture Wire
- 5.) 2535 Safety Color Code

d. National Bureau of Standards (NBS)

- 1.) Handbook H28 Screw-Thread Standards

e. National Fire Protection Association (NFPA)

- 1.) NFPA No. 70 National Electrical Code Volume 2, National Fire Code
- 2.) NFPA No. 79 Electrical Standards for Industrial Machinery
- 3.) NFPA No. 80 Standard for Fire Doors and Fire Windows

- f. NEC National Electrical Code (most current version)
 - g. Underwriters Laboratories (UL) Standards (Components must be labeled appropriately)
 - 1.) UL 508 Industrial Controls Equipment
 - 2.) UL 508A Industrial Control Panels
 - 3.) UL 508C Power Conversion Equipment
 - 4.) UL 1998 Software in Programming Components
 - 5.) IEC 61508 Functional Safety Standard for Electrical/Electronic/Programmable Electronic (E/E/PES) Safety Related Systems
 - h. National Electrical Manufacturers Association Standards (NEMA)
 - 1.) ICS Industrial Control Systems
 - 2.) MGIMotors and Gear Motors (including Part 31 regarding inverter rated motors)
 - i. American Society for Testing Materials (ASTM)
 - 1.) A-36 Structural Steel
 - 2.) A-794 Sheets cold rolled
 - 3.) A-659 Sheets & Strip- hot rolled
 - 4.) A-307 Fasteners (Bolts)
 - 5.) A-563 Fasteners (Nuts)
 - 6.) F-844 Fasteners (Washers)
2. All equipment and accessory items furnished and installed under this Contract shall be governed at all times by applicable provisions of federal laws, including but not limited to the revision of the following in effect as of the Contract date:
- a. Williams-Steiger Occupational Safety and Health Act (OSHA), of 1970, Public Law 91.596, most current version.
 - b. Occupational Safety and Health Administration (OSHA)
 - 1.) 29CFRPart 1910-211 (Definitions)
 - 2.) 29 CFR Part 1910-212 (General Industry Standards and Requirements) for machines
 - 3.) 29 CFR Part 1917.48 (Conveyors)
 - 4.) 29 CFR Part 1926.555 (Conveyors, Construction Industry Standards)
 - c. Office of State Health Planning and Development (OSHDP)
 - d. American Society of Mechanical Engineers (ASME)
 - 1.) ASME B20.1 - 2006 Safety Standards for Conveyors and Related Equipment, and all Addenda up to and including ASME B20.1-2006
 - e. Conveyor Equipment Manufacturers Association (CEMA)
 - 1.) ANSI/CEMA 402-2003 Belt Conveyors
 - 2.) ANSI/CEMA B105.1-2003 Specifications for Welded Steel Conveyor Pulleys with Compression-type Hubs

1.10 WARRANTIES

A. General Warranty

1. Warrant any new equipment/component for one (1) year against defective parts and labor beginning on the Final Acceptance Date as related to this Project.
2. Warrant existing modified equipment/component for one (1) year against defective parts and labor beginning on the Final Acceptance Date as related to this Project.
3. Assign RIAC all warranties for all materials and equipment received from Subcontractors and Suppliers. B.

Warranty Exclusion

- I. This warranty shall not apply to any defects or inconsistencies, which are attributable to repair, alteration, misuse or abuses by any person other than authorized personnel or Subcontractors. Liability shall be limited to repairing or replacing defective or non-performing part(s) at no cost to RIAC.

C. Warranty Limitation

1. Liability shall be determined in the Contract Agreement and shall also include repairing or replacing defective or non-performing part or parts at no cost to RIAC.

D. Royalties and License Fees

1. Pay all royalties and license fees and defend all suits or claims for infringements of any prior or patent rights and save RIAC harmless from liability, expense of loss on account thereof, with respect to any processes, Devices, methods, articles, inventions, things or procedures used in the project.

E. Labor Warranty

- I. Warranty support shall be provided as follows:
 - a. Provide labor to accomplish any warranty repair work. In the event such labor is not provided in a timely fashion, pay RIAC to accomplish warranty labor repair with its maintenance staff.
 - b. The BHS Contractor shall provide labor for work related to design deficiencies. F.

Parts Warranty

J. Terms

- a. Provide a parts warranty which states material and equipment furnished and installed shall be new and free from faults and defects in material, workmanship, detail or incorrect component selection; shall conform to the functional and technical requirements of this Section and Contract documents contained herein; shall comply with all laws, statutes, compliances and codes applicable at the installation site; and shall be suitable for the intended purposes. Excessive wear shall be considered a defect within the provisions hereof.
- b. Parts shall be shipped freight pre-paid to the location specified by RIAC. Failed/malfunctioned parts shall be returned to the BHS Contractor, FOB, within ten (10) days of notification of detection of such failed/malfunctioned parts.

END OF PART I-

PART II- PRODUCT

2.01 POTENTIALLY ACCEPTABLE MANUFACTURERS

A. BHS Contractors for Refurbishment of Make-up Devices

1. Subject to compliance with requirements, the following firms may be able to bid prime turnkey implementation and perform as BHS Contractors for the refurbishment of the existing Make-up Devices at Concourse "D":
 - a. AERO Bridge Works, Inc., Marietta, GA
 - b. BMG Enterprises (Upstate NY)
 - c. Equipment Erectors, Inc., Somerset, NJ
 - d. Five Star Airport Alliance (G&T Conveyor and The Horsley Company)
 - e. Glidepath LLC, Grand Prairie, TX
 - f. LMC Industrial Contractors, Rochester, NY
 - g. Lydon Millwright Services, Raynham, MA
 - h. Unified Supply, Flower Mound, TX
 - i. Western Industrial, Denver, CO
 - j. JBT, Aerotech Services, UT

B. BHS Equipment

1. In order to establish a minimum standard of quality and reliability, the following manufacturers have been listed for various equipment/components relating to the specified requirements for the refurbishment of the make-up devices.
2. For this project make every attempt to use materials/components that match the existing Make-up Devices in the Baggage Claim areas of TF Green Airport so as to comply with the OEM's design and minimize the spare part requirements for RIAC. Be responsible for a thorough site survey of the existing unit and submit catalog cuts of all components that are to be utilized, identifying those components that cannot be matched for RIAC or their representative to review.
3. This list has been presented to establish this standard and the manufactures on this list shall not be perceived or construed as favored or preferred. This list shall, in no way, preclude other manufacturers, provided that their equipment and components have been reviewed by RIAC or their representative and determined to be of equivalent or similar quality, functionality, and reliability. RIAC or their representative's decision in this regard shall be final.
 - a. For Flat Plate Make-up Devices components
 - 1.) Five Star Airport Alliance (G&T Conveyor and The Horsley Company), Salt Lake City, UT
 - b. For Bearings:
 - 1.) Dodge, Greenville, S.C.
 - c. For Control Devices/ Products:
 - 1.) Allen-Bradley, Milwaukee, WI
 - d. For Roller Chains:
 - 1.) Acme
 - 2.) Diamond Chain Company
 - 3.) Dodge
 - 4.) Morse Industrial (part of Bearing Distributors, Inc.)

2.02 MATERIALS

A. General

1. All welding and qualification of welders shall comply with AWS D1.1
2. All fasteners shall be zinc-plated, cadmium plated or stainless steel. All fasteners shall be locked with lock nuts or lock washers.
3. Use of alternate materials
 - a. Whenever an article or any class of articles, Devices or material are specified by the trade name or by the name of any particular patentee, manufacturer, or dealer, or by reference to the catalog of any such patentee, manufacturer or dealer, it shall be taken to mean and specify the articles, Devices or materials specified and none other.
 - b. If the BHS Contractor desires to use any articles or materials which he believes are equal in quality, finish and durability, and equally as suitable for the purpose for which intended as the particular articles, Devices or materials specified, he shall indicate their desire to RIAC or their representative in writing.
 - c. The articles, Devices and materials specified shall not be changed except with the written consent of RIAC or their representative, and the BHS Contractor shall not contract, purchase or cause to be delivered any substitute articles, Devices or materials prior to obtaining such consent.

B. Material

1. Structural Steel: ASTM A-36
2. Stainless Steel (Trim): AISC Type 304 with #4 Brush Finish
3. Rubber/Neoprene: ASTM D-2000

2.03 FABRICATION

A. General

1. Fabricate equipment-using steel clean and free from rust, rust pits, kinks and sharp bends. Use forming methods that will not fracture or otherwise damage the metal. Remove burrs, sharp edges, and sharp corners. Smooth all joints and round all comers. Align joints in components to ensure smooth conveyance of baggage.

2.04 FLAT PLATE MAKE-UP DEVICES

A. General

1. The flat plate Devices shall be refurbished consistent with the OEM's design, to match the existing conditions.

B. Dimensions

1. The usable pallet width for the flat plate Devices shall match the existing conditions, when repairs are made to the make-up Devices shrouding and finger-guards.
2. The height of the flat plate Devices shall remain per the existing conditions.

C. Load Rating

1. The refurbished flat plate Devices shall be capable of supporting minimum dynamic load of 85 lb. per linear foot and a single concentrated static load of 200 pounds, similar to the existing conditions.

D. Operating Speeds

1. The Flat Plate Devices operating speed shall be maintained at 90 fpm.

E. Refurbishment Requirements

F. Make-up Devices Refurbishment Requirements

1. Replace all crescent plates with G&T logo units (RIAC reserves the right to purchase these plates directly from the supplier).
2. Replace all crescent plate carriage links with associated components such as, but not limited to, support and guide wheel assemblies with associated shoulder bolts, gear lock bearings, linear sprockets, thrust washers, lock nuts, rub

blocks, etc.

3. Replace all guide/load rails at the turns as needed and check for cracked welds, distortion or other defects on the complete track and frame installation.
4. Replace complete drive section components for the 4 make up Devices five (5) drive sections (e.g., frame, track, linear drive, motor, gearbox, bearings, shafts, taper lock bushings, sprockets, idlers and chains).
5. On CD4 check and replace load wheels and grommets as needed that are mounted to the track frame (for bidding purposes assume 500 load wheels and grommets, but that will be assessed proportionately to the actual quantity that will be replaced)
6. Service the motor and gearbox per the OEM's recommendations. Examine electric cables connected to the motor, particularly the condition of the cable insulation and the fixing of the connections. If the insulation is ripped, replace the cables. Fill all reducers to the proper oil level using oil recommended by the manufacturer.
7. Check and Replace equipment and component guards as needed on all make-up Devices drive sections.
9. Replace damage shrouding and finger-guards as needed. Additionally, repair and make the necessary adjustments to the rest of the shrouding and finger-guards along the length of the unit to eliminate sharp protruding edges. Secure all shrouding, finger-guards and metal flashing as necessary around the perimeter of the make-up Devices and adjust the expansion joints.
9. Repair any damaged sections of impact protection around the make-up Devices (e.g., align and secure in place). Replace all associated anchor bolts.
10. Clean all debris from the underside of the make-up Devices.
11. Electrical Components
 - a. Drive Sections
 - 1.) Provide and install five (5) new Soft Starts within the respective MCPs 2.) Provide Energy Saving Design, materials and labor to change controls on CD3 to operate on only Drive after the make-up unit is up and running, and then alternate running drives with every next startup.
 - b. Motor Control Panel
 - 1.) Inspect for loose or missing hardware on all terminal connections, secure conduit connections, and assure no excessive noise from the contactors and relays Ensure the indicator lamps and controls operate correctly. Clean the interior of the control panel using a vacuum cleaner to remove dust from contacts and terminal contactors. Clean the exterior of cabinet, removing dirt and dust. Repair or replace any components as needed. . At a minimum replace primary drive contactors and soft start units on all 4 Claim Devices.
12. General: The following parts shall always be renewed in the course of replacement and repair work:
 - a. Spring washers
 - b. Lock washers
 - c. Toothed washers
 - d. Split pins
 - e. Set-screws
 - f. Self-locking nuts
 - g. Retaining rings
 - h. Closing links

-END OF PART II-

PART III- EXECUTION

3.01 PREPARATION

A. General

1. Verify conditions in the field prior to start of work. If unanticipated mechanical, electrical, or other elements that conflict with intended function or refurbishment are encountered, investigate and measure both nature and extent of the conflict. Submit written report to RIAC in accurate detail. Pending receipt of directive from RIAC, rearrange work schedule as necessary to continue overall job progress without undue delay.
2. Cover and protect the make-up Devices and adjacent systems/equipment from damage and soiling during installation, equipment removal, removal or alteration work, including equipment to be salvaged and stored. Erect and maintain dust-proof partitions and closures to prevent spread of dust or fumes to occupied portions of the building.
3. Obtain and pay for all airport security badges, permits, inspection fees, and certificates relative to the refurbishment of the make-up Devices.
4. Provide supports or bracing to prevent movement, settling, or collapse in which an area is to be removed and adjacent sections are to remain. If safety of system appears to be endangered, cease operations and notify RIAC immediately. Take precautions to support endangered work until determination is made for continuing operations.
5. Locate, identify, stub off and disconnect electrical system services that are not intended to remain. Provide bypass connections to maintain continuity of electrical service to remaining system. Obtain permission and provide advance notice to RIAC if shutdown of electrical service is necessary during changeover.

3.02 WORKMANSHIP

A. General

1. Perform installation, removal and refurbishment work within the specified area of the facility and proposed make-up Devices right-of-way, with due care, including all related support. Be responsible for damage, which may be caused by such work, to any part of the existing make-up Devices or items designated for reuse.
2. Perform refurbishment and new work in accordance with applicable technical sections of the specifications. Where cutting and new work involve the exterior building envelope, consult RIAC to ascertain if existing guarantees, warranties or bonds are in force and execute the work so as not to invalidate such agreements.
3. Execute the work in a careful and orderly manner, with the least possible disturbance to the public and to the occupants of the building(s).
4. Materials installed by the BHS Contractor, whether furnished by him or not, shall be installed in a neat and workmanlike manner. Particular attention shall be paid to manufacturers instructions as to installation procedures.
5. Protect the employment and places of employment of each of their employees engaged in the refurbishment work by complying with the appropriate standards as prescribed by OSHA.
6. Take necessary precautions to keep noise producing operations (such as impact hammering, Carbon drum sawing, compressed air machinery and the like) to a minimum. Select equipment, which is of a quieter nature than others and enclose areas of operation with acoustical screens and partitions or other means necessary to accomplish reduction of noise.
7. Equip motorized equipment with mufflers or other types of sound control and blanket equipment with acoustical materials.
8. Locate installation, equipment removal and refurbishment equipment safely so that no part thereof shall. Endanger normal airport operations, including runways, terminals, terminal buildings, approach ways, and power utility; lighting and communication lines.
9. Promptly remove debris to avoid interference with make-up Devices operation.
10. Cut out embedded anchorage and attachment items as required to properly provide for patching and repair of the respective finishes.

11. Ensure that the standard of work and materials throughout the Project shall be of first-class quality and workmanship in every respect; RIAC will not accept workmanship, which for any reason, is otherwise.
12. Ensure that all equipment, components and materials are free from defects.

3.03 FABRICATION & INSTALLATION SPECIAL CONSIDERATIONS

A. General

1. The BHS Contractors attention is directed to the fact that the existing equipment was designed to meet the requirements of handling airline baggage. This entails consideration and care to be used in the refurbishment work particularly in fabrication of all components to ensure that projections, welds, sharp comers and transfer points that may cause possible damage to various types of bundles, handbags, suitcases, and trunks are eliminated. Ensure that bottom glides on cases, strings, tags, straps, bag handles, destination tags are guarded against damage on side guards, transfer points, and all surfaces which baggage may contact on the make-up Devices.
2. Coordinate all on-going site work and with concurrent airport/airline operations.
3. Take into effect any long lead procurement items and take the necessary actions required to complete the refurbishment.

3.04 DELIVERY, STORAGE, HANDLING AND ON-SITE RESPONSIBILITIES

A. Delivery, Storage, Handling

1. Assume responsibility for the receiving, unloading, storage, protection, security and distribution of all material delivered to the site associated with this Contract.
2. The BHS Contractor as necessary for its work, shall provide flagmen and erect proper barricades and other safeguards, post danger signs and other warnings as warranted by hazards and existing conditions.
3. Assume responsibility for receiving, storing, handling, setting and connecting all equipment required for the refurbishment of the make-up Devices.
4. At all times provide and maintain adequate protection against weather so as to preserve the work, materials, equipment, apparatus and fixtures free from injury, pilferage or damage.
5. Furnish to RIAC, on demand, Bills of Lading for all equipment being shipped to the work site. Identify on each Bill of Lading each component and assembly involved, the equipment items to which they belong, the date and time of pick-up and the expected date and time of delivery to site. The shipping of such material shall involve proper identification of items, proper packing and proper means for unloading them at the work site.

B. On-Site responsibilities

1. General

- a. Erect all temporary barriers and barricades to separate work areas from areas of public access, if applicable.
- b. Assume the responsibility for providing exhaust fans (e.g. hepafilter) to limit fumes/odors from welding, metal cutting, if the work being carried out is in an occupied/operational area.
- c. Coordinate with any interfacing, on-going site work.
- d. Provide adequate portable office facilities, communication, equipment and locker room for field force.
- e. The BHS Contractor shall pay all costs of rental, installation, use and removal of accommodation and communication equipment.
- f. Furnish shop drawings for any substitutions of equipment specified in this specification.
- g. Clean and maintain work spaces, travel routes, and any other areas of work effected by your trade including but not limited to:
 - 1.) The removal on a daily basis of all erection rubbish and discarded materials.
 - 2.) Removal and disposal of scrap and waste material in accordance with applicable laws, codes, regulation ordinances and permits. The burning of waste material is prohibited.
 - 3.) Be responsible for all fines received for failure to maintain or perform cleaning, and all costs due to damages directly caused by this Contractors work.

- 4.) The BHS Contractor shall use their hoisting material for rubbish removal.
 - h. Be cognizant that the equipment and lay down areas for the work may/will require relocation as directed by RIAC.
 - i. Be responsible for any employee parking and any site transportation that may be required to/from the work site.
 - j. Be responsible for any escort service required for the transportation of materials and employees on the AOA side of the facilities.
 - k. Enforce RIAC's instructions, laws, and regulations regarding signs, advertisements, fires and the presence of liquor and firearms by any person at the job site.
 - l. Furnish the services of a competent field superintendent during the refurbishment work, wiring, testing and correction of any discrepancies occurring during the Final Acceptance period.
 - m. Smoking shall only be allowed in areas as designated by RIAC.
2. Mechanical Work
- a. Provide and install all supports, anchors and any other special considerations or requirements not provided for in this Specification but necessary to facilitate the complete mechanical refurbishment, installation and safe operation of all equipment and components.
 - b. Provide electrical connections for heavy-duty machinery, such as welding machines, battery chargers as required for the refurbishment of the make-up Devices.
3. Electrical Work
- a. Supply the necessary conduit, wiring and other electrical components to complete the electrical installation from the existing sources, to the field Devices and be responsible for all electrical interconnections within the equipment and overall make-up Devices.
 - b. Assume responsibility for the furnishing of all labor, materials, equipment and service necessary for and reasonably incidental to proper completion of all electrical work including electronic controls as required for the proper operation of the make-up Devices as detailed in these specifications. Provide within the design standardization of components, function and maintenance procedures.
 - c. Provide and install as required, at no additional cost to RIAC, minor items, accessories or Devices reasonably inferable, as necessary, to complete the electrical installation.
 - d. The BHS Contractor shall refer all conflicts between the requirements of these specifications and applicable codes to RIAC or their representative for clarification before proceeding with the affected portion of the installation.
 - e. Obtain and pay for all permits, inspection fees, and certificates relative to the electrical work. Deliver all certificates and letters of approval to RIAC upon completion of the work.
 - f. The BHS Contractor at no additional cost shall do any reasonable location adjustment of electrical equipment requested by RIAC prior to installation.
 - g. At no expense to RIAC correct work improperly installed due to lack of field verification.
 - h. Install materials and components in a neat and proficient manner. Particular attention shall be paid to manufacturer's instructions as to installation procedures.

3.05 INSTALLATION

A. General

1. The refurbishment of the Make-up Devices shall be in strict compliance with the OEM's requirements as defined in the O&M Manuals. The O&M Manual illustrates in detail the location of each related equipment and the relationships between adjoining equipment and components, which might affect baggage movement.
2. Provide all equipment required to complete the total works. Furnish all tools and necessary equipment for the performance of the refurbishment tasks and exhibit sufficient planning to ensure their availability at the job site as required by the workflow. RIAC will not furnish tools, forklifts or erection equipment.

3. Staff the project to ensure timely completion. The BHS Contractor shall accelerate the refurbishment effort as required if schedule milestones are not met.
 4. Provide all supports, anchors and any other items necessary to facilitate the complete mechanical installation and safe operation of all equipment and components.
- B. Tolerances
1. Maintain the following tolerances for the make-up Devices equipment installation:
 - a. Maintain dimensions similar to existing conditions.
 - b. Install the new component make-up Devices assemblies level.
 - c. Plumb supports vertical within 1/8" per 3 feet.
 - d. Verify all "As-Built" and existing building conditions.
 - e. Shimming between adjacent intermediate sections is permissible but do not exceed 1/4" of total shim stock at any one location.
- C. Anchoring
1. Anchor floor supports to the floor with a minimum of two (2) stud expansion anchors having a minimum size of 1/2" diameter by 2-3/4" long, unless otherwise required by the Contractor's Professional Structural Engineer.
 2. Anchor impact protection with a minimum of four 3/4" diameter adhesive anchors, each having a minimum tensile strength of 3000 psi, concrete of 20,000 pounds and minimum shear strength of 18,000 pounds.
- D. Lubrication
1. Fill all reducers to the proper oil level using oil recommended by the manufacturer.
 2. Clean roller chains of dirt or debris and manually lubricate per manufacturer's recommendations.
 3. Replace all lubrication fluids if testing or checkout period exceeds manufacturer's suggested start-up change-out interval.
 4. Apply grease per manufacturer's specifications to all grease fittings (unless they are sealed for life type bearings) prior to initial start-up of the equipment.
- E. Jacking Bolt Installation
1. Install all jacking bolts in conjunction with pulley and motor bearing housings based on the following criteria:
 - a. When mounted in a threaded bracket, engage the bearing with the cup of the jacking bolt and lock the jacking bolt in position with a jam nut on the inside of the bracket (i.e., between the bearing housing and the bracket) to ensure the proper locking configuration.
 - b. When mounted in a non-threaded bracket, engage the bearing with the cup of the jacking bolt, position a jam nut on the inside of the bracket, and position a single flat washer, lock washer, and finished or semi-finished nut on the outside of the bracket (i.e., between the jacking bolt head and the bracket) to achieve the proper locking configuration.
 2. Use of socket male/female adapters in conjunction with the jacking bolt is unacceptable.
 3. Allow for minimum adjustability of the jacking bolt on either side of the mounting bracket equal to the maximum amount of adjustability provided for the associated bearing by the mounting slots.
- F. Fasteners
1. Protect all fasteners (nuts, bolts, screws, setscrews) against accidental loosening by the use of lock nuts, lock washers, jam nuts, or other suitable means, and against corrosion by plating or the use of corrosion resistant materials such as zinc plating or stainless steel materials.
- G. Safety Signage
1. On an as needed basis, provide new Placards/signs indicating locations of all E-stop control stations and lanyards so that they are clearly visible.
 2. Provide new safety signs so that they are clearly visible and firmly affixed at the drive sections, potential pinch points and rotating parts.

3. Provide new safety signage as needed in all area's and locations on the make-up Devices where there is exposure to hazards for maintenance/operational personnel. Refer to OSHA, ANSI, NEC, National Safety Council, local, federal and state codes for types of signs. The verbiage of the sign shall be appropriate for the particular location/hazard.

H. Welding

1. Nationally certified welders shall perform all welding, and all welding shall be in strict compliance with local and national codes. The BHS Contractor shall provide to RIAC or their representative upon request, copies of certificates verifying that the welder(s) are nationally certified.
2. Only compressed natural gas (CNG) and electric welders shall be used.
3. Connecting welding equipment to any MCP power supply shall not be acceptable.
4. Before approving any cutting or welding operation, a Airport fire supervisor or appointee shall inspect the work area, issue a burn permit and confirm that the following indicated precautions have been taken in order to prevent fires:
 - a. Ten pound ABC Dry Chemical Fire Extinguisher to be kept on site.
 - b. No flammable liquids permitted within 50 feet of work.
 - c. Floors swept clean of combustibles.
 - d. All wall and floor openings covered.
 - e. Covers suspended beneath work to collect sparks.
 - f. Opaque screens placed between work and spectators.
 - g. Fire watch is required to observe all work and shall remain on site for a minimum of 30 minutes after completion of work.
 - h. RIAC is to be notified prior to beginning work.
5. For work on enclosed equipment or containers (tanks, barrels, ducts, dust collectors) the following precautions shall be taken:
 - a. Equipment cleaned of all flammable or combustible materials.
 - b. Tanks or containers purged of all flammable vapors and checked with an approved gas detector.
 - c. Workers entering enclosed spaces shall require an enclosed entry permit from the airport safety office prior to work beginning.

3.06 SPECIAL CONTROL REQUIREMENTS

A. MCP Control Panels

1. Replace QTY 5 Soft Start Controls in each MCP Control Panels per manufacturer's specification.

B. Energy Saving Option

1. Provide energy saving design, materials and labor option to change the Operational Controls on CD3 to allow one of the Claim drives to be shut off after the baggage Claim Devices is running and then alternate the drive's running on each new run cycle? While Maintaining consistency with the existing control Devices and control stations

3.07 ELECTRICAL & CONTROLS SPECIAL CONSIDERATIONS

A. Power Source

1. The electrical equipment supplied by the BHS Contractor shall be compatible with, and operate reliably and effectively with, the normal electrical supply typically available at airport locations. The equipment shall not be unduly sensitive to fluctuations in supply voltage which may typically vary by plus or minus ten percent (10%) of nominal values.
2. The BHS Contractor shall provide necessary electrical supply filters, conditioners, and regulators for all equipment, which cannot meet the specifications stipulated.

3.08 EQUIPMENT REMOVAL

A. Equipment Removal

1. All make-up Devices equipment and related components shall be removed with care, to enable the salvaging of components for RIAC's Maintenance Group's spare parts inventory. Inform RIAC that the equipment has been removed and are available for review to determine what shall be salvaged and what shall be disposed; coordinate this process with RIAC or their representative.

B. Conduit Removal

1. Remove conduit including junction boxes and control/wiring Devices rendered unused by the equipment removal process in its entirety to the motor control panel. Exception: abandon in place the imbedded portion only of any imbedded conduit after removing all conductors. Where a conduit passes through a floor or wall, cut the unused conduit flush with both surfaces of such floor or wall and abandon the section within the floor or wall if it cannot be removed without breaking masonry. Ensure that any area where material has been cut away is left in a clean and flush condition with no holes or protrusions showing. Where removal creates an indentation in concrete, chip away the surrounding concrete, cut the material (e.g., anchor bolts, conduit) below floor level and fill flush with cement.

3.09 REMOVED/DEMOLISHED MATERIALS TO BE DISPOSED

A. General

1. Remove and dispose of any materials or items demolished and not designated to become the property of RIAC or to be reinstalled.

B. Equipment Disposal

1. Remove from Airport site all debris, rubbish and other materials resulting from equipment removal and alteration operations on a daily basis. Transport and legally dispose equipment off-site in legal landfills or scrap yards. Obtain written permission from the property owner on whose property the removed materials shall be placed and submit a copy of the agreement to RIAC.
2. Burning of removed materials is not permitted on the project site.
3. Store materials, which cannot be removed daily in areas specified by RIAC.
4. Do not store or sell removed items on-site.

3.10 REMOVED EQUIPMENT/COMPONENTS

A. General

1. Disassemble such equipment/components by removing nuts, bolts, screws, or other fasteners with the use of hand tools. Cut only those sections welded as part of the initial assembly operation that are too large to move through existing doorways and openings or too large to be moved by stake-body trucks with or without oversize permits.
2. Ensure proper disassembly, transportation, and storage of equipment/components that are intended to be reused in a manner to enable reassembly of the equipment/components in its final location in like-new condition.

3.11 SALVAGED EQUIPMENT

A. Equipment Salvage

1. Remove equipment or other items designated to become the property of RIAC with care. RIAC's Maintenance Group intends to salvage certain components for spare parts. Disassemble such equipment with care by removing nuts and bolts, screws and other fasteners. Take on the responsibility to prepare a sign-off transmittal indicating what equipment/components, and quantity thereof, that has been turned-over to RIAC, the Contractor's representative who turned the equipment/components over, RIAC's representative who accepted the equipment/components and the date the equipment/components was turned over.

3.12 TESTING AND ACCEPTANCE

A. Inspection and Testing Procedures

I. General

- a. After the make-up Devices refurbishment is fully completed, the BHS Contractor shall demonstrate its operating capability. The BHS Contractor prior to the start of the Systems Acceptance Testing should have accomplished

all "debugging" and internal testing. In addition, the BHS Contractor shall carry out a "dry test run" of Acceptance Tests prior to conducting such tests with RIAC or their representative to ensure that tests conducted with RIAC or their representative are successful. The BHS Contractor shall make available to RIAC on a daily basis any and all records of internal testing and debugging (with corrective action carried out) performed prior to Acceptance Testing.

- b. The make-up Devices shall be capable of handling the maximum and minimum specified sizes and weights as specified in the O&M Manual without jamming, damage or toppling of the baggage.
- c. Provide appropriate service personnel "on-site" during the testing period to service and make necessary adjustments, as required, as well as to open all modified control boxes, control station covers, drive section guards, covers for RIAC's inspection of the make-up Devices equipment.
- d. Provide all necessary test equipment, measuring, and recording Devices required to demonstrate the operational characteristics and performance of the equipment to the satisfaction of RIAC (clamp-on type ammeter, direct read FPM digital readout tachometer)
- e. The BHS Contractor shall provide written notice to RIAC prior to acceptance testing that they have Completed all "dry test runs" of the acceptance tests and are ready for the witnessed testing. Ensure that RIAC or their representative witness all Acceptance Tests and shall indicate Acceptance by signing and dating the test data sheet. RIAC reserves the right to back charge the BHS Contractor for the time and expenses of all who attended the Acceptance Testing on RIAC 's behalf should the requested acceptance test(s) be unsuccessful and require re-testing at a later date.

B. Conditional Acceptance

1. Conditional Acceptance Inspection and Testing

- a. Completion of the make-up Devices refurbishment shall demonstrate compliance with the specified requirements. Any deficiencies (punch list items) shall be corrected. The following inspections and tests shall be performed as a minimum.
 - 1.) Mechanical Static Inspection
 - 2.) Electrical Static Inspection
 - 3.) Electrical Testing
 - 4.) Mechanical Testing
 - 5.) Empirical Readings
 - 6.) Load Testing
 - 7.) Functional Controls Testing

2. Upon successful completion of the specified Inspections and Testing, RIAC will issue a written notice of Conditional Acceptance.
3. A Conditional Acceptance status will indicate that RIAC or their representative have approved the equipment as worthy for operational use.
4. The Conditional Acceptance shall not relieve the responsibility for maintenance, security and insurance on the specified work.
5. In no case will Conditional Acceptance relieve the responsibility for performing all the work set forth in the Contract Documents.
6. At the time of Conditional Acceptance, the amount of retention held until issuance of a Certificate of Final Acceptance shall be a summation of 10% of the total value of the project and the assessed value of open punch list items (to be determined by RIAC).

C. Conditional Acceptance With Defects

1. If the make-up Devices is found to be unacceptable at the time of Conditional Acceptance Inspection and Testing, RIAC will issue a written "Defects List" report containing information about the particular defects that must be remedied before Final Acceptance will be granted. At this time, if the defects do not affect the functionality of the

make-up Devices, RIAC may elect to advise in writing that "Conditional Acceptance with Defects" has been granted. All terms presented in the "Conditional Acceptance" portion of this Specification shall apply.

2. A "Conditional Acceptance with Defects" status, if issued, will indicate that RIAC has approved the equipment as worthy for operational use. Subsequent to "Conditional Acceptance with Defects" issuance, RIAC will put the make-up Devices into on-line operations processing the daily flow of baggage. RIAC will maintain the right to judge whether any hazard may exist to personnel or equipment due to unacceptable inspection results and revoke this approval.
3. RIAC will be entitled to retain from the project payments an amount commensurate with the value of work remaining to be accomplished. Further, all outstanding work must be performed at times during periods convenient to RIAC and to the requirements of a fully operating system.
4. The Contractor must notify RIAC that all outstanding items on the "Defects List" have been corrected and that Inspection and Testing may continue. When all items have been approved in accordance with the Specifications, this shall conclude Inspection and Testing of the make-up Devices refurbishment.

D. Delayed Conditional Acceptance with defects List

1. If the make-up Devices is found to be functionally unacceptable at the time of Conditional Acceptance Inspection and Testing, RIAC will issue a written "Defects List" report containing information about the particular defects that must be remedied.
2. Items appearing on the "Defects List" will be considered incomplete, defective or not in conformance with the Specifications. The failure to include certain items does not alter the responsibility to complete the Refurbishment in accordance with the Contract Documents.
3. A maximum period of 1 day will be allowed to correct the outstanding items on the "Defects List".
4. After all the items on the "Defects List" have been corrected, notify RIAC or their representative that the Make-up Devices is ready for continuing Conditional Acceptance Inspection and Testing.
5. Upon completion of "Conditional Acceptance Inspection and Testing", the terms presented in the "Conditional Acceptance" or "Conditional Acceptance With Defects List" portions of this Specification will apply, as appropriate.

E. Final Acceptance

1. Final Acceptance will only be considered after all specified work has conformed to the Conditional Acceptance terms and the following criteria is met:
 - a. The Make-up Devices has not experienced repeated repairs and adjustments and is achieving the specified rate, accuracy and availability standards as required by this Specification.
 - b. The Make-up Devices has successfully completed the specified Inspections and Testing, with no outstanding punch list items.
 - c. The Refurbishment of the make-up Devices is in full compliance with the Contract Documents.
 - d. RIAC and all other governing agencies have made their inspections and given their approvals.
 - e. Certificates of Installation Compliance have been issued to RIAC
 - f. Warranties for all materials and equipment received from Subcontractors and Suppliers have been assigned to RIAC.
 - g. The updated/revised PLC programs have been provided to RIAC
 - h. Accurate "As-built" drawings as specified in this Specification have been delivered.

END OF-

BAGGAGE HANDLING SYSTEM- -

SUBMITTAL AND EVALUATION CRITERIA

REVIEW PROCESS

The following is a summary description of the weighted selection criteria that the Selection Committee will use to review and evaluate the Proposals.

- **Firm's Capability, Capacity, and Qualifications (20 points)**
 - Recent relevant experience Refurbishing or Installing baggage claim devices or baggage handling systems;
 - Experience of firm in Refurbishing or Installing similar size projects at medium-hub airports (or larger) U.S. airports;
 - Past experience of firm in Refurbishing or Installing similar baggage claim equipment or size projects.

- **Staff Qualifications and Experience (20 points)**
 - Recent relevant experience of key staff in Refurbishing or Installing baggage claim devices or baggage handling systems;
 - Experience of key staff in Refurbishing or Installing similar size projects at medium-hub airports (or larger) U.S. airports;
 - Ability of key staff to efficiently communicate to the stakeholders involved to achieve optimal system refurbishment or installation.

- **Proposed Operations and Maintenance Services/Work Plan (20 points)**
 - Project Staffing – Teams must submit a project organization chart that shows which key personnel will be responsible for the responsibilities listed previously;
 - Work Plan – Creative approach to ensure system reliability and minimize downtime and interruptions to carriers;
 - Safety Approach – Policies and procedures used to maintain and monitor the safety of all parties involved in the system operation and maintenance;

- **Cost (40 points)**

INSURANCE REQUIREMENTS

Evidence of the following minimum insurance coverage must be provided at time of submittal:

- a. Motor Vehicle Liability Insurance with limits of \$1,000,000.
- b. Worker's Compensation coverage to Rhode Island statutory limits or documentation evidencing an approved self-insurance program.
- c. General Liability limits of \$1,000,000 per occurrence.
- d. Umbrella Liability limits of \$5,000,000 excess of \$1,000,000 primary layer.

At time of award, a Certificate of Insurance showing RIAC and the State of Rhode Island named as additional insured on all policies of insurance with the exception of Worker's Compensation insurance is required.

BOND REQUIREMENTS:

Payment and Performance Bonds (see attached) shall be as specified below and are required within 3 business days of award of contract.

1. Performance Bond: A good and sufficient Performance Bond in an amount equal to one hundred percent (100%) of the total amount of the Contract, as evidenced by the Bid tabulation or otherwise, guaranteeing the full and faithful execution of the Work and performance of the Contract in accordance with the Contract Documents. This Bond shall guarantee the repair and maintenance of all defects due to faulty materials and workmanship that appear within a period of one (1) year, or as otherwise specified in the Specifications (whichever is greatest), from the date of final completion and written acceptance of the Work by the Owner.
2. Labor and Material Payment Bond: A good and sufficient bond in an amount equal to one hundred percent (100%) of the total amount of the Contract, as evidenced by the Bid tabulation or otherwise, guaranteeing the full and proper protection of all claimants supplying labor and materials in the prosecution of the Work provided for in said Contract and for the use of each such claimant.
 - A. No Sureties will be accepted by RIAC who are now in default or delinquent on any bonds or who are involved in any litigation against RIAC, and/or the State of Rhode Island (State).
 - B. Should any Surety on the Construction Contract be determined unsatisfactory at any time by RIAC, notice will be given the Contractor, and the Contractor shall immediately provide a new Surety, satisfactory to RIAC and at no additional cost to RIAC. The Contract shall not be operative nor will any payments be due or paid until approval of the bonds has been made by RIAC.
 - C. The Bidder shall require the Attorney-in-Fact who executes the required bonds, on behalf of the Surety, to affix thereto a certified and current copy of his Power of Attorney, indicating the monetary limit of such power.
 - D. The cost of the bonds shall be included in the bid.

AIRPORT BADGING REQUIREMENTS

Each employee of the Contractor shall carry an Identification Badge issued by RIAC to be worn in a visible location, as prescribed by the Transportation Security Administration (TSA). The badge is to be worn on their person at all times while performing services on RIAC premises. Contractors will be charged a fee of \$330 for each badge of which \$250 is refundable upon return of each badge.

Identification Badges may not be issued until the Contractor has complied with RIAC and TSA requirements regarding the issuance of Identification Badges including a background check of each prospective employee.

The Contractor shall provide a personal history form for each prospective employee assigned to the contract. Information is to include a 10-year background check as required by the TSA.

CONTRACT DOCUMENT

Attached is the contract document to be executed by both parties.

IFB 25693
REFURBISHMENT OF INCOMING BAGGAGE CLAIM DEVICES
T. F. GREEN AIRPORT

Responses are **due no later than 10:00 a.m. January 6, 2015** Attention: Office of Procurement, Rhode Island Airport Corporation, 3rd Floor, 2000 Post Road, Warwick, RI 02886. Vendors may copy/scan these pages to facilitate completing the information, but must return response in this format/order.

The undersigned, on behalf of the bidder, certifies that: This offer is made without previous understanding, agreement or connection with any person, firm, or corporation entering a bid on the same project; Is in all respects fair and without collusion or fraud. The person whose signature appears below is legally empowered to bind the company in whose name the bid is entered. They have read the entire document and understand all provisions. If accepted by RIAC this bid is guaranteed as written and amended and will be implemented as stated.

Firm Name _____

Contact _____

Signature _____ Title _____

Address _____ City/State _____ Zip _____

Phone _____ Fax _____ Hours _____

Taxpayer I.D. Number _____

Company Web Site Address _____ E-Mail _____

General Nature Of Business _____

Type or Organization (check one):

Sole Proprietorship Partnership Incorporated Public Corporation

Private Corporation

Minority Business Enterprise Woman-Owned Business Enterprise

Small Business Enterprise

Manufacturer Distributor Retail Dealer Service

Number Of Locations _____ Number Of Persons Employed _____

We Acknowledge Receipt Of These Addenda: No. _____, Dated _____; No. _____, Dated _____

Has any person, firm, or corporation entering a proposal on the project been disbarred or suspended by the State of Rhode Island. If so indicate dates and explanation for such.

ALL vendors interested in responding MUST provide the following requested information in this format. Additional information may be included on accompanying sheets if necessary.

1. **Any additional information necessary to assist RIAC in evaluating your bid may be listed here.**

2. **Provide references from at least (3) companies, which have received the proposed or similar services.**

c. Name of Facility, Group, Organization or Firm _____
 Address _____ Contact Person _____
 Phone Number _____

c. Name of Facility, Group, Organization or Firm _____
 Address _____ Contact Person _____
 Phone Number _____

c. Name of Facility, Group, Organization or Firm _____
 Address _____ Contact Person _____
 Phone Number _____

3. **List any deviations from the SPECIFICATIONS and MANDATORY REQUIREMENTS section in this document. An explanation must be provided below and documentation provided to verify compliance with the minimum specifications on a similar or equivalent basis.**

ITEM NO.	REASON FOR DEVIATION, DESCRIPTION OF REPLACEMENT COMPONENT, AND/OR EXPLANATION

RFP 25693
REFURBISHMENT OF INCOMING BAGGAGE CLAIM DEVICES
T. F. GREEN AIRPORT

PRICING INFORMATION IN WORDS AND NUMBERS

Where a discrepancy occurs between the prices quoted in words and in numbers, the figure quoted in words shall take precedence and govern in determining final costs or award of contract.

RIAC selection will be based on the lowest responsive bidder.

BASE BID: (Includes all separately priced items below)

1. Total Cost: \$ _____
 (Amount in Numbers)

_____ (Amount in Words)

	Description	Part No.	Qty	Price	Extended
1	Assembled link for the Stearns style bag claim, includes cam followers, spanner bushings and thrust washers.		113		
2	Support Roller Assembly, including leveling pads		500		
3	Assembled Links for the G&T style Claim	1214-1001-0001-2	390		
4	Plates for the G&T style claim – (**G&T Logo Plates).	9910-6000-0310	390	RIAC to Purchase	
5	Rub blocks for plates replaced	1216-1002-0005	390		
6	A Fully assembled drive section for the G&T claim. Including motor and gear box.	1214-3003-0000	4		
7	A Fully assembled drive section for the Stearn bag claim. Including motor, reducer/gear box, Chain Drive Coupling Flanges, Chain Drive Assembly, Wear Bar Holders, Idler Shaft/Drive Shaft Assemblies and Pillow Block.		1		
8	Straight SS trim pieces per 10 foot piece	1212-2063-0952	5		
9	90* radius SS trim per piece (Outer)	1212-4013-0005	4		
10	5 foot piece of raised deck SS for G&T unit.	1212-4117-0380	1		
11	5 foot piece of fascia trim stainless (skin) – flat part that fits on front face of frame below finger trim (G&T unit)	1211-2064-0480	2		
12	10 foot section of G&T support track.	1212-2020-0952	1		
13	10 foot section of G&T guide track	1212-2120-0952	1		
14	Replacement G&T Motortronics Soft Start	HV1-43-P	4		
15	Replacement Stearns Softron Soft Start with Motortronics	HV1-44-P	1		
				Total	

ADDITIONAL OPTIONAL PRICING:

2. CD3 - Energy Savings Option (Alternate Drive Usage):

\$ _____
(Amount in Numbers)

(Amount in Words)

"NO BID" RESPONSE FORM

To submit a "No Bid" response for this project, this form must be completed for your company to remain on our bidders list for commodities/services referenced. If you do not respond your name may be removed from this bidders list.

Note: Please show the solicitation number on the outside of the envelope.

Please check statement(s) applicable to your "No Bid" response –

- Specifications are restrictive; i.e. geared toward one brand or manufacturer only (explain below).
- Specifications are ambiguous (explain below).
- We are unable to meet specifications.
- Insufficient time to respond to the solicitation.
- Our schedule would not permit us to perform.
- We are unable to meet bond requirements.
- We are unable to meet insurance requirements.
- We do not offer this product or service.
- Remove us from your vendor list for this commodity/service.
- Other (specify below).

Comments:

Company Name (as registered with the IRS)

Authorized Signature

Correspondence Address

City, State, Zip

Date

Printed Name

Title

Telephone/Fax

Terms and Conditions

In submitting a response to this Invitation for Bids, vendors hereby understand the following:

1. All project participants, consultants, engineers, and contractors, must comply with all applicable federal, state laws and RIAC rules and regulations pertaining to contracts entered into by governmental agencies, including non-discriminating employment. Contracts entered into on the basis of submitted bids are revocable if contrary to law.
2. The bids submitted, and any further information acquired through interviews, will become, and is to be considered, a part of the final completed contract. If there is any variance or conflict, the bid specifications, conditions, and requirements shall control.
3. Bidder **MUST** return the original attached Response Form as noted previously on the bid due date.
4. RIAC interprets the term "lowest responsible bidder" as requiring RIAC to: (a) choose between the kinds of materials, goods, wares, or services subject to the bid, and (b) determine which bid is most suitable for its intended use or purpose. RIAC can consider, among other factors, such things as labor cost, service and parts availability, availability of materials and supplies, and maintenance costs of items upon which bids are received. RIAC can determine any differences or variations in the quality or character of the material, goods, wares, or services performed or provided by the respective bidders.
5. All requested information must be supplied. If you cannot respond to any part of this request, state the reason you cannot respond. You may provide supplemental information, if necessary, to assist RIAC in analyzing your bid.
6. A purchase order and/or contractual agreement constitutes RIAC's offer to the service provider upon the terms and conditions stated herein, and shall become binding meeting the terms set forth herein when it is accepted by acknowledgment or performance.
7. After award, if the successful bidder/supplier refuses or fails to make deliveries of the materials and or services within the times specified in the Invitation for Bids, purchase order, or contractual agreement, RIAC may, by written notice, terminate the contract **OR** purchase order.
8. The supplier shall hold and save RIAC, The State of Rhode Island, and its officers, agents, servants/employees harmless from liability of any patented or unpatented invention, process, article, or appliance manufactured, or used in the performance of the contract, including its use by RIAC.
9. Payment of the seller's invoices is subject to adjustment.

10. The Bidder agrees that:
 - a. He/she shall not discriminate against any person under the present contract because of race, religion, color, sex, national origin, ancestry, or physical handicap;
 - b. In all solicitations or advertisements for employees, he/she shall include the phrase, 'Equal Opportunity Employer,' or a similar phrase;
 - c. If he/she fails to comply, he shall be deemed to have breached the present contract, and it may be canceled, terminated, or suspended, in whole or in part, by RIAC;
 - d. If he/she is found guilty of discrimination under a decision, he/she shall be deemed to have breached the present contract, and it may be canceled, terminated, or suspended, in whole or in part, by RIAC; and,
 - e. He/she shall include the provisions of subsections (a) through (d) inclusively of this paragraph in every subcontract or purchase order so that such provision will be binding upon such subcontractor or vendor.
11. RIAC shall retain the right to reject any and/or all bids received, and responses to this and/or related documents, if determined to be non-responsive in any form, or if determined to be in the best interest of RIAC.
12. The firm responding to this bid proposes to furnish all materials, labor, supplies, equipment and incidentals necessary to provide the equipment/materials/services described herein in accordance with the, Addenda, Contract, Bonds, Insurance, Plans, Specifications, Mandatory Requirements and Conditions.
13. If a response to this Invitation for Bids is accepted, the Bidder agrees to execute and deliver to RIAC a contract in accordance with the Contract Documents (if applicable) within ten days of notice of the award to the Bidder. The Bidder agrees that the surety/deposit given concurrently herewith shall become the property of RIAC in the event the Bidder fails to execute and deliver such contract within the specified time. In the further event of such failure, the Bidder shall be liable for RIAC's actual damages that exceed the amount of the surety.
14. It shall be understood that time is of the essence in the bidder performance. The bidder agrees that RIAC's damages would be difficult or impossible to predict in the event of a default in the performance hereof; and it is therefore agreed that if the bidder defaults in the performance of the Contract Documents, the bidder shall be liable for payment of the sums stipulated in the Contract Documents as liquidated damages, and not as a penalty.
15. The bidder hereby certifies that he/she has carefully examined all of the documents for the project, has carefully and thoroughly reviewed this Invitation for Bids, that he/she has inspected the location of the project (if applicable), and understands the nature and scope of the work to be done; and that this bid is based upon the terms, specifications, requirements, and conditions of the Invitation for Bids and documents. The Bidder further agrees that the performance time specified is a reasonable time, having carefully considered the nature and scope of the project as aforesaid.

16. All products/services and related equipment proposed and/or affected by acquisitions or purchases made as a result of the response to this document shall be compliant with existing RIAC hardware, software, and applications where applicable. Verification must be provided in the response to this document.
17. The Bidder certifies that this proposal is submitted without collusion, fraud or misrepresentation as to other Bidders, so that all bids for the project will result from free, open and competitive bidding among all vendors.
18. It shall be understood that any bid and any/all referencing information submitted in response to this Invitation for Bids shall become the property of RIAC, and will not be returned. RIAC will use discretion with regards to disclosure of proprietary information contained in any response, but can not guarantee that information will not be made public. As a governmental entity, RIAC is subject to making records available for disclosure after Board approval of the recommendation.
19. RIAC will not be responsible for any expenses incurred by any vendor in the development of a response to this Invitation for Bids. Further, RIAC shall reserve the right to cancel the work described herein prior to issuance and acceptance of any contractual agreement/purchase order by the recommended vendor even if RIAC has formally accepted a recommendation.
20. Bids must be received prior to the time and dates listed to be considered responsive. RIAC will not "accept" late responses and will return them to the sender. Further, RIAC will NOT: (1) guarantee security of the document received; and, (2) be held responsible for bids which are NOT legible (and may choose to reject such responses).
21. By submission of a response, the Bidder agrees that at the time of submittal, he/she: (1) has no interest (including financial benefit, commission, finder's fee, or any other remuneration) and shall not acquire any interest, either direct or indirect, that would conflict in any manner or degree with the performance of Bidder's services, or (2) benefit from an award resulting in a "Conflict of Interest." A "Conflict of Interest" shall include holding or retaining membership, or employment, on a board, elected office, department or bureau, or committee sanctioned by and/or governed by RIAC. Bidders shall identify any interests, and the individuals involved, on separate paper with the response and shall understand that RIAC, at the discretion of the Purchasing Director in consultation with RIAC Counselor, may reject their bid.
22. Campaign Finance Compliance - Every person or business entity providing goods or services at a cost of \$5,000 cumulated value is required to file an affidavit regarding political campaign contributions with the RI State Board of Elections even if no reportable contributions have been made. (RI General Law 17-27) Forms obtained at Board of Elections, Campaign Finance Division, 50 Branch Avenue, Providence, RI 02904 (401-222-2056).
23. Major State Decision-Maker - Does any Rhode Island "Major State Decision-Maker", as defined below, or the spouse or dependent child of such person, hold (i) a ten percent or greater equity interest, or (ii) a Five Thousand Dollar or greater cash interest in this business?

For purposes of this question, "Major State Decision-Maker" means:

- (i) All general officers; and all executive or administrative head or heads of any state executive agency enumerated in R.I.G.L. § 42-6-1 as well as the executive or administrative head or heads of state quasi-public corporations, whether appointed or serving as an employee. The phrase "executive or administrative head or heads" shall include anyone serving in the positions of president, senior vice president, general counsel, director, executive director, deputy director, assistant director, executive counsel or chief of staff;
- (ii) All members of the general assembly and the executive or administrative head or heads of a state legislative agency, whether appointed or serving as an employee. The phrase "executive or administrative head or heads" shall include anyone serving in the positions of director, executive director, deputy director, assistant director, executive counsel or chief of staff;
- (iii) All members of the state judiciary and all state magistrates and the executive or administrative head or heads of a state judicial agency, whether appointed or serving as an employee. The phrase "executive or administrative head or heads" shall include anyone serving in the positions of director, executive director, deputy director, assistant director, executive counsel, chief of staff or state court administrator,

If your answer is "Yes", please identify the Major State Decision-Maker, specify the nature of their ownership interest, and provide a copy of the annual financial disclosure required to be filed with the Rhode Island Ethics Commission pursuant to R.I.G.L. §36-14-16, 17 and 18.

CONTRACT AGREEMENT
For
Refurbishment of Incoming Baggage
Claim Devices
T. F. Green Airport
Contract No. 25693
Purchase Order No. _____

This Contract Agreement, executed in the City of Warwick, in the State of Rhode Island this ____ day of _____, 2015 between the Rhode Island Airport Corporation (RIAC), hereinafter called "OWNER" and _____ hereinafter called "CONTRACTOR".

WITNESSETH:

That for and in consideration of payments, hereinafter mentioned, to be made to the CONTRACTOR by the OWNER, the CONTRACTOR agrees to furnish all equipment, machinery, tools and labor; to furnish and deliver all material required to be furnished and delivered in and about the improvements and to do and perform all work in the performance of the Refurbishment of Incoming Baggage Claim Devices (the "PROJECT") in strict conformity with the provisions of this AGREEMENT, as defined in the Contract Documents for **Refurbishment of Incoming Baggage Claim Devices- RIAC Contract No. 25693 at T. F. Green Airport, Warwick, Rhode Island**, General Instructions to Bidders, the Drawings and Specifications approved by the Owner for this project. These said documents are hereby made a part of this AGREEMENT as fully and to the same effect as if the same had been set forth at length in the body hereof.

As security for the full and faithful performance of this AGREEMENT and all the incidents thereto, the CONTRACTOR has made and furnished contract bonds with _____ as surety, which is accepted by the OWNER and made part of this AGREEMENT.

In consideration of the foregoing premises, the OWNER agrees to pay the Contractor such unit prices for the work actually done as set out in the CONTRACTOR's Schedule of Prices for the bid amount of _____, (\$ _____), in the manner provided in the Contract Documents cited above.

The CONTRACTOR shall be prepared to begin the work to be performed under this AGREEMENT within ten (10) days of a written "Notice to Proceed" as provided by the OWNER

and to fully complete the work within **One Hundred and Twenty (120) calendar days**, as detailed in the Baggage Handling System specifications. The work shall be prosecuted from as many different points, in such part or parts and at such times as may be directed by the OWNER, and shall be conducted in such a manner and with such materials, equipment, and labor as are considered necessary by the OWNER to insure its completion within the time set forth in the proposal. Should the prosecution of the work for any reason be discontinued by the CONTRACTOR, with the consent of the OWNER to such work stoppage, the CONTRACTOR shall not recommence work unless CONTRACTOR has given the OWNER at least forty-eight (48) hours prior to written notice.

IN WITNESS WHEREOF, the parties to these presents have caused this AGREEMENT to be executed in their names and on their behalf as of the date first written above.

RHODE ISLAND AIRPORT CORPORATION

Witnessed:

By: _____

Name: Kelly J. Fredericks, P. E., A. A. E.

Title: President and CEO

CONTRACTOR

Witnessed:

By: _____

Name: _____

Title: _____

LABOR AND MATERIAL PAYMENT BOND

CONTRACT DOCUMENTS

BOND NO. _____

KNOW ALL MEN BY THESE PRESENTS that we, _____ as Principal, and _____ as Surety, are held and firmly bound unto the **RHODE ISLAND AIRPORT CORPORATION**, hereinafter called the Obligee, in the Penal sum of _____ Dollars (\$ _____) for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly and severally firmly by these presents.

WHEREAS, the Principal, on the _____ day of _____, (Year) entered into a certain Contract with the Owner, hereto attached, for Contract entitled *Refurbishment of Incoming Baggage Claim Devices – Contract No. 25693*.

NOW THEREFORE, the condition of this obligation is such that if the Principal shall promptly make payments to all persons supplying labor, materials and supplies used directly or indirectly by said Principal or his Subcontractors in the prosecution of the work provided for in said Contract, then this obligations shall be void; otherwise to remain in full force and effect, subject, however, to the following conditions:

This bond is executed for the purpose of complying with the applicable Rhode Island Statutes and all acts amendatory thereof, and this Bond shall inure to the benefit of any and all persons supplying labor, material and supplies used directly or indirectly by the Principal or his Subcontractors in the prosecution of the work provided for in said Contract so as to give such persons a right of action to recover upon this Bond in a separate suit brought on this Bond. No right of action shall accrue hereunder to or for the use of any person except as such right of action may be given and limited by the applicable Rhode Island Statutes.

In each and every suit brought against the Principal and Surety upon this Bond in which the plaintiff shall be successful, there shall be assessed therein against the Principal and Surety herein, in favor of the Plaintiff therein, reasonable counsel fees, which the Principal and Surety hereby expressly agree to pay as a part of the cost and expense of said suit.

A claimant, except a laborer, who is not in privity with the Principal and who has not received payment for his labor, materials, or supplies, shall, within forty-five (45) days after beginning to furnish labor, materials, or supplies for the prosecution of the work, furnish the Principal with a notice that he intends to look to the bond for protection.

A claimant who is not in privity with the Principal and who has not received payment for his labor, materials or supplies shall, within ninety (90) days after performance of the labor or after complete delivery of the materials or supplies, deliver to the Principal and to the Surety written notice of the performance of the labor or delivery of the materials or supplies and of the non-payment.

No action for the labor, materials, or supplies may be instituted against the Principal or the Surety unless both notices have been given. No action shall be instituted against the Principal or the Surety on the bond after one year from the performance of the labor or completion of delivery of

the materials of supplies.

The Surety shall permit arbitration and be ultimately responsible for the payment of any award.

IN WITNESS WHEREOF, the above bounden parties have caused this Bond to be signed and sealed by their appropriate officials as of the _____ day of _____, **2015**.

PRINCIPAL

(Firm Name)

By: _____

(Title)

WITNESS

SURETY

(Firm Name)

By: _____

(Title)

WITNESS

PERFORMANCE BOND
CONTRACT DOCUMENTS

BOND NO. _____

KNOW ALL MEN BY THESE PRESENTS that we, _____
as Principal, and _____ as Surety, are held
and firmly bound unto the **RHODE ISLAND AIRPORT CORPORATION** hereinafter called
the Obligee, in the Penal sum of _____ Dollars
(\$ _____) for the payment of which sum well and truly to be
made, we bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly and
severally firmly by these presents.

WHEREAS, the Principal, on the _____ day of _____, **2015** entered into a certain
Contract with the Owner, hereto attached, for Contract entitled ***Refurbishment of Incoming
Baggage Claim Devices– Contract No. 25693.***

NOW THEREFORE, the condition of this obligation is such that if the Principal shall well and
truly perform and fulfill all the undertakings, covenants, terms, conditions, and agreements of
said Contract, and all duly authorized modifications of said Contract that may hereafter be made,
notice of which modifications to the Surety being hereby waived, then this obligation shall be
void; otherwise to remain in full force and effect.

Whenever the Principal shall be and is declared by the Owner to be in default under the Contract,
or wherever the contract has been terminated by default of the Contractor, the Owner having
performed the Owner's obligations thereunder, the Surety shall:

Complete the Contract in accordance with its terms and conditions, or at the Owner's sole option.

Obtain a Bid or Bids for submission to the Owner for completing the Contract in accordance with
its terms and conditions, and upon determination by the Owner and Surety of the lowest
responsible Bidder, arrange for a Contract between such Bidder and the Owner, and made
available as work progresses (even though there should be a default or a succession of defaults
under the Contract or Contracts of completion arranged under this paragraph) sufficient funds to
pay the cost completion less the balance of the Contract price but not exceeding, including other
costs and damages for which the Surety may be liable hereunder, the amount set forth in the first
paragraph hereof. The term "balance of the Contract price", as used in this paragraph, shall mean
the total amount payable by the Owner to the Contractor under the Contract and any amendments
thereto, less the amount properly paid by the Owner to the Contractor.

No right of action shall accrue on this Bond to or for the use of any person or corporation other
than the Owner named herein or the successors or assignees thereof.

In the case of termination of the Contract, as provided in the Contract Documents, there shall be
assessed against the Principal and Surety herein, all expenses, including design/engineering,
Program Management, and legal services, incident to collecting losses to the Owner under this
Bond.

This Bond shall remain in full force and effect for such period or periods of time after the date of
acceptance of the project by the Owner as are provided for in the Contract Documents, and the

Principal hereby guarantees to repair or replace for the said periods all work performed and materials and equipment furnished, which were not performed or furnished according to the terms of the Contract Documents. If no specific periods of warranty are stated in the Contract Documents for any particular item of work, material, or equipment, the Principal hereby guarantees the same for a minimum period of one (1) year from the date of final acceptance by the Owner.

The Surety shall permit arbitration and be ultimately responsible for the payment of any award.

IN WITNESS WHEREOF, the above bounden parties have caused this Bond to be signed and sealed by their appropriate officials as of the _____ day of _____, **2015**.

PRINCIPAL

(Firm Name)

By: _____

WITNESS

(Title)

SURETY

(Firm Name)

By: _____

WITNESS

(Title)



**T. F. GREEN AIRPORT
VISITOR BADGE APPLICATION**
IFB 25693 – Refurbishment of Incoming Baggage Claim Devices
Email to jdasilva@pvdairport.com
 2000 Post Road • Warwick, R.I. 02886

VISITOR BADGE #: _____

VISITOR INFORMATION

NAME (LAST/FIRST/MIDDLE) _____

DRIVERS LIC. NUMBER/STATE ID CARD _____ **STATE** _____ **EXP. DATE** _____

SOCIAL SEC. NO (last 4 only): _____ **DATE OF BIRTH** _____ **REC'D BY BADGING** _____

PLEASE CHECK BOX IF YOU ARE A RECURRING VISITOR WITHIN THE LAST THREE (3) MONTHS.

Bottom Section to be filled out by RIAC

TENANT INFORMATION

CHECK BOX TO CONFIRM CONSTRUCTION NOTICE ISSUED

COMPANY REQUESTING VISITOR BADGE: _____

DATE FROM: _____ **TO:** _____ **TIME:** _____

REQUESTED BY: _____ **DATE:** _____

All Construction, Electrical, Mechanical, Phone, Cable, and Data work performed on RIAC Buildings MUST be reported to the RIAC Building Maintenance Department by contacting 401-691-2294 prior to work being performed.