



Rhode Island

Airport Corporation

October 3, 2024

ADDENDUM NO. 8
Invitation for Bids (IFB) No. 35219
Hard Flooring Renovations at
Rhode Island T. F. Green International Airport

Prospective proposers and all concerned are hereby notified of the following changes in the **Invitation for Bids (IFB) No. 35219**. These changes shall be incorporated in and shall become an integral part of the contract documents.

1. Bid form 00320 is replaced in its entirety with the revised bid form, attached.
2. Specification: 099623 Resinous Matrix Terrazzo Flooring is replaced in its entirety with the updated specifications page.
3. FAA Contract Provisions are replaced in their entirety with the revised section.
4. Drawing sheet ID1.10 is replaced in its entirety with the attached revised drawing.
5. Drawing sheet ID6.00 is replaced in its entirety with the attached revised drawing.
6. Sheets ID1.11 and ID1.12 are no longer relevant and have been deleted.

The procurement dates for this solicitation are also hereby amended to the following dates:

Deadline for Questions	October 9, 2024 at 2:00pm
Final Addenda Posted	October 11, 2024
Final Bids Due	October 18, 2024 at 3:00pm

####END OF ADDENDUM###

SECTION 00320 - BID FORM

To: Rhode Island Airport Corporation
Rhode Island T. F. Green International Airport
2000 Post Road
Warwick, Rhode Island 02886
ATTN: Office of Procurement

Date: _____
Time: _____

For:

**Hard Flooring Renovation
T.F. Green International Airport
Warwick, RI
RIAC Construction Contract No. 35219**

The undersigned, having visited the site of the work and having familiarized themselves with local conditions affecting the cost of the work and with all requirements of the proposed Contract Documents, and duly issued Addenda to said documents, as acknowledged herein, propose to furnish and perform all labor, materials, necessary tools, expendable equipment, and all utility and transportation services necessary to perform and complete in a workmanlike manner all work required by said documents and Addenda.

ADDENDA: Bidder acknowledges receipt of and has examined the Addenda:

Addendum Number _____	dated _____
Addendum Number _____	dated _____
Addendum Number _____	dated _____
Addendum Number _____	dated _____

Acknowledged by _____ date _____.

BID PROPOSAL: This Proposal shall be filled in by the BIDDER with prices written in both words and numerals and the extensions made by him/her. In case of discrepancy between the words and numerals, the amounts shown in words shall govern.

BIDDER agrees to perform all necessary labor, furnish all materials and do all work described in the Specifications, including allowances, and shown on the Drawings, for the following lump sum prices and/or unit prices:

BID PROPOSAL: Bidder agrees to perform all of the work described in the Contract Documents, including allowances, for the sum of:

Total Bid:

_____ \$ _____
(Words shall govern) (Figures)

**Rhode Island Airport Corporation
Hard Flooring Renovation
TF Green Airport
Warwick, Rhode Island
RIAC Construction Contract No. 35219
SCHEDULE OF PRICES – BASE BID**

Item No.	Pay Item No.	Estimated Quantity	Item of Work With Unit Prices Written in Words	Figures			
				Unit Bid Price		Total Amount	
				Dollars	Cents	Dollars	Cents
1	024119	1 LS	Demolition of Walls at Columns at Dollars & Cents per Lump Sum				
2	024119	179,671 SF	Demolition of Flooring at Dollars & Cents per Square foot				
3	00800	1 LS	Temporary Walls, Doors, Stairs, and Ramps at Dollars & Cents per Lump Sum				
4	024119	1 LS	Removal and reinstallation of salvaged items at Dollars & Cents per Lump Sum				
5	035300	2,500 SF	Concrete Topping Slab at Dollars & Cents per square foot				
6	055113	1 LS	Metal Pan Stair at Dollars & Cents per lump sum				
7	096623	117,755 SF	3/8" at 200 Grit Epoxy Terrazzo Flooring at Dollars & Cents per Square foot				

**Rhode Island Airport Corporation
Hard Flooring Renovation
TF Green Airport
Warwick, Rhode Island
RIAC Construction Contract No. 35219
SCHEDULE OF PRICES – BASE BID**

Item No.	Pay Item No.	Estimated Quantity	Item of Work With Unit Prices Written in Words	Figures			
				Unit Bid Price		Total Amount	
				Dollars	Cents	Dollars	Cents
8	096613	19 Treads	Precast Terrazzo at _____ Dollars & Cents per Tread				
9	093033	14,250 SF	Stone Tile at _____ Dollars & Cents per Square Foot				
10	096813	1,580 SF	Carpet Tile Flooring at _____ Dollars & Cents per Square Foot				
11	096816	525 SF	Carpet Flooring at _____ Dollars & Cents per Square Foot				
12	128413	3,145 SF	Walk off Mat Flooring at _____ Dollars & Cents per Square Foot				
13	092216 092900 099123	1,650 LF	Gypsum Board & Metal Stud at _____ Dollars & Cents per Linear Foot				
14	057300	24 LF	Decorative Metal Railing at _____ Dollars & Cents per Linear Foot				
15	083123	1 LS	Floor Doors at _____ Dollars & Cents per Lump Sum				

**Rhode Island Airport Corporation
Hard Flooring Renovation
TF Green Airport
Warwick, Rhode Island
RIAC Construction Contract No. 35219
SCHEDULE OF PRICES – BASE BID**

Item No.	Pay Item No.	Estimated Quantity	Item of Work With Unit Prices Written in Words	Figures			
				Unit Bid Price		Total Amount	
				Dollars	Cents	Dollars	Cents
16	233713	120 Floor Grilles	Floor grilles at _____ Dollars & Cents per Floor Grille				
17	262726	1 LS	Empty Floor Boxes and Conduit with pull strings at _____ Dollars & Cents per Lump Sum				
18	035300	Allowance	Concrete Patching at One Hundred Thousand Dollars Lump Sum	----	----	\$100,000	00

PLEASE MAKE SURE A BID IS ENTERED FOR EACH ITEM

TOTAL BASE BID PRICE:

\$ _____ (Amount in Figures)

_____ (Amount in Words)

**Rhode Island Airport Corporation
Hard Flooring Renovation
TF Green Airport
Warwick, Rhode Island
RIAC Construction Contract No. 35219
SCHEDULE OF PRICES – ADD ALTERNATES**

Item No.	Pay Item No.	Estimated Quantity	Item of Work With Unit Prices Written in Words	Figures			
				Unit Bid Price		Total Amount	
				Dollars	Cents	Dollars	Cents
1	096623	117,755 SF	3/8" at 1800 Grit Epoxy Terrazzo Flooring at Dollars & Cents per Square foot				
2	096623	117,755 SF	5/8" at 200 Grit Epoxy Terrazzo Flooring at Dollars & Cents per Square foot				
3	096623	117,755 SF	5/8" at 1800 Grit Epoxy Terrazzo Flooring at Dollars & Cents per Square foot				

PLEASE MAKE SURE A BID IS ENTERED FOR EACH ITEM.

TOTAL ALTERNATE PRICE:

\$ _____
(Amount in Figures)

(Amount in Words)

BASIS OF AWARD: Basis of award will be lowest lump sum base bid cost.
In lieu of base bid pay item 096623, RIAC may award alternates 1, 2, or 3, depending on available budget.

LIQUIDATED DAMAGES: Upon execution of the contract, the Contractor shall proceed with the preparation and submittal of shop drawings and his tentative construction schedule and with subsequent ordering and fabricating of materials. The Owner will issue a written "Notice-to-Proceed (NTP)" which will specify an effective date for the Contractor to begin work at the site. See Section 80-02 for more information on the NTP and Section 80-08 for the Contract Duration.

Should work continue beyond time specified above, and no time extension has been granted via the Change Order process, then liquidate damages will be assessed to the Contractor for each and every calendar day the work remains uncompleted.

Liquidated damages for this project shall as indicated in Section 80-08 for Contractor's failure to complete any work area within the duration stipulated in Section 80-08.

The undersigned affirms that in making such bid, neither he or she nor any company that they may represent, nor anyone in behalf of him or her or their company, directly or indirectly, has entered into any combination, collusion, undertaking or agreement with any other bidder or bidders to maintain the prices of said work, or any compact to prevent any other bidder or bidders from bidding on said Contract or work and further affirms that such bid is made without regard or reference to any other bidder or proposer and without any agreement or understanding or combination either directly or indirectly with any other person or persons with reference to such bidding in any way or manner whatsoever.

The undersigned further agrees that if awarded the Contract he or she will commence the work within ten (10) calendar days after the date of the Notice to Proceed and that he or she will complete the work in accordance with the Summary Schedule and Key Milestones and Substantial Completion date set forth in the Bidding and Contract Documents or such amended date as may be granted. If the undersigned fails to complete the work as provided in the aforementioned schedule, then and in that event, he or she further expressly agrees that, for each day that any phase of work under this Contract remains uncompleted thereafter the Owner may deduct from the Contract price herein specified the stipulated sum of liquidated damages as provided in the Special Provisions and retain that sum for failure of the undersigned to complete this Contract on or before the expiration of the period shown in the completion schedule.

In submitting this bid, it is understood that the right is reserved by the Owner to the fullest extent permitted by law to waive any informality or irregularity in any bid or bid guaranty, to reject any and all bids, to re-bid, to award or refrain from awarding a contract for the work and to negotiate with the apparent qualified low responsive bidder to such extent as may be beneficial to the Owner in its sole discretion.

The undersigned attaches hereto a cashier's check, certified check or Bid Bond in the sum of _____ Dollars (\$ _____), payable to the Rhode Island Airport Corporation, as required in the Information for Bidders, and the undersigned agrees that in case he or she fails within five (5) calendar days after Notice of Intent to Award the Contract to him or her, to enter into a Contract Agreement in writing and furnish the required Payment and Performance Bonds, with surety or sureties to be approved by Owner, and insurance policies or endorsements, the Owner may, as its option, determine that the undersigned has abandoned his rights and interest in such bid and that the cashier's check, certified check, or Bid Bond accompanying his or her bid has been forfeited. Otherwise, the cashier's check, certified check, or Bid Bond shall be returned to the undersigned upon the execution of the Contract and acceptance of the bonds and insurance, or upon rejection of his or her bid.

A bid shall be considered unresponsive and shall be rejected if it fails to include fully executed statements or if the Bidder fails to furnish required data. When a determination has been made to award the Contract to a specific Contractor, such Contractor shall, prior to award, furnish such other pertinent information regarding his or her own employment policies and practices as well as those of his or her proposed Subcontractors as the Owner may require.

The bidder shall furnish similar statements executed by each of his or her first-tier and second-tier Subcontractors whose contracts equal Ten Thousand Dollars (\$10,000.00) or more and shall obtain

similar compliance by such Subcontractors before awarding such Subcontractors. No subcontract shall be awarded to any non-complying Subcontractor.

The undersigned affirms that he or she has completed all of the blank spaces in the "Bid Form", with an amount in words and numbers and agrees that where a discrepancy occurs between the prices quoted in words and/or in numbers the lowest figure quoted shall take precedence and govern when determining final costs or award of Contract.

The undersigned affirms that wages not less than the minimum rates or wages, as predetermined for this project by the State of Rhode Island were used in the preparation of this "Bid Form".

SIGNATURE OF BIDDER

* Signed _____
By: _____
Title: _____
Date: _____

This proposal includes Addendum Numbers(s): _____
(Fill in numbers(s) if Addendum(s) are issued)

Address of permanent place of business to which Notice-to-Proceed should be sent:

Email Address: _____

*Important: Execute acknowledgment of officer or agent who signs this document (use proper form below):

ACKNOWLEDGMENT OF PRINCIPAL, IF A CORPORATION:

State of: (_____)

County of: (_____)§

On this _____ day of _____, 20____, before me personally came and appeared _____ to me Known, who, being by me duly sworn, did depose and say to me that he/she resides at _____, that he/she is the _____ of _____ the corporation described in and which executed the foregoing instrument, and that he/she/they know(s) the seal of said corporation; that the seal affixed to said instrument is an impression of such seal; that it was so affixed by the order of the directors of said corporation, and that he signed his name thereto by like order.

(Seal) _____
Notary Public

ACKNOWLEDGMENT OF PRINCIPAL, IF A PARTNERSHIP:

State of (_____)

County of (_____)§

On this _____ day of _____, 20____, before me personally came and appeared _____ to me known and known to me to described in and who executed the foregoing instrument and he/she acknowledged to me that he/she executed the same as and for the act and deed of said firm.

(Seal) _____
Notary Public

ACKNOWLEDGMENT OF PRINCIPAL, IF AN INDIVIDUAL:

State of (_____)

County of (_____)§

On this _____ day of _____, 20____, before me
personally came and appeared _____ to me known and known to me
to be the person described in and who executed the forgoing instrument and acknowledged that
he/she executed the same.

(Seal) _____
Notary Public

**ANTI-COLLUSION CERTIFICATE FOR CONTRACT AND FORCE ACCOUNT
(SWORN AFFIDAVIT)**

Title 23, United States Code, Section 112(c), requires, as a condition precedent to approval by the Rhode Island Airport Corporation (RIAC) of the contract for this work, that there be filed a sworn statement executed by, on behalf of, the person, firm, association, or corporation to whom such contract is to be awarded, certifying that such person, firm, association, or corporation has not, either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with such contract. This sworn statement shall be in the form of an affidavit executed and sworn to be the successful bidder before a person who is authorized by the Laws of this State to administer oaths.

The person, firm, association, or corporation submitting the bid (under 23 U.S.C. 112(c)) has the option to sign either:

- a. the sworn affidavit executed and sworn to by the bidder before a person who is authorized by the laws of the State to administer oaths; or
- b. the unsworn declaration executed under penalty of perjury under the laws of the United States (as allowed by 28 U.S.C. 1746).

A bidder will not be considered for award of contract under this invitation for bids unless such bidder completes either the unsworn declaration (as stated on the following page) or the sworn affidavit as prescribed below:

PLEASE NOTE: CONTRACTOR TO COMPLETE ONLY ONE (1) CERTIFICATION STATEMENT. DO NOT SIGN BOTH STATEMENTS.

**ANTI-COLLUSION CERTIFICATE FOR CONTRACT AND FORCE ACCOUNT
(SWORN AFFIDAVIT)**

To the: RHODE ISLAND AIRPORT CORPORATION

State of _____

County of _____ §

I, _____ (name of party signing affidavit)

_____ (title), being duly sworn, do

depose and say: on behalf of _____ that said Contractor has not, either directly or indirectly, entered into any agreement, participated in collusion, or otherwise taken any action in restraint of free competitive bidding in connection with Rhode Island Airport Corporation Construction Contract Number 35219.

County of _____

Town/City _____

Contractor

Signature

Sworn to before me this _____ day of _____ 20____

My commission expires _____

Signature and Seal of Notary Public

**ANTI-COLLUSION CERTIFICATE FOR CONTRACT AND FORCE ACCOUNT
(UNSWORN AFFIDAVIT)**

Title 23, United States Code, Section 112(c), requires, as a condition precedent to approval by the Rhode Island Airport Corporation (RIAC) of the contract for this work, that there be filed a unsworn declaration executed by, on behalf of, the person, firm, association, or corporation submitting the bid, certifying that such person, firm, association, or corporation has not, either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with submitted bid. This unsworn statement shall be in the form of a declaration executed under penalty of perjury under the laws of the United States.

The person, firm, association, or corporation submitting the bid (under 23 U.S.C. 112(c)) has the option to sign either:

- a. the sworn affidavit executed and sworn to by the bidder before a person who is authorized by the laws of the State to administer oaths; or
- b. the unsworn declaration executed under penalty of perjury under the laws of the United States (as allowed by 28 U.S.C. 1746).

A bidder will not be considered for award of contract under this invitation for bids unless such bidder completes either the sworn affidavit (as stated on the previous page) or the unsworn declaration as prescribed below:

**ANTI-COLLUSION CERTIFICATE FOR CONTRACT AND FORCE ACCOUNT
(UNSWORN AFFIDAVIT)**

To the: RHODE ISLAND AIRPORT CORPORATION

State of _____

County of _____ §

I, _____ (name of party signing affidavit)

_____ (title), under penalty of perjury

under the laws of the United States, do depose and say: on behalf of _____
that said Contractor has not, either directly or indirectly, entered into any agreement, participated in
collusion, or otherwise taken any action in restraint of free competitive bidding in connection with Rhode
Island Airport Corporation Construction Contract Number 35219.

County of _____

Town/City _____

Contractor

Signature

Sworn to before me this _____ day of _____ 20 _____

My commission expires _____

Signature and Seal of Notary Public

DISCLOSURE OF LOBBYING ACTIVITIES

Complete this form to disclose lobbying activities pursuant to 31 U.S.C. 1352

1. Type of Federal Action: a. contract b. grant c. cooperative agreement d. loan e. loan guarantee f. loan insurance	2. Status of Federal Action a. bid/offer/application b. initial award c. post-award	3. Report Type a. initial filing b. material change For Material Change Only: Year _____ Quarter _____ Date of last report _____
4. Name and Address of Reporting Entity:	5. If Reporting Entity in No. 4 is Subawardee, Enter Name and address of Prime:	
6. Federal Department Agency:	7. Federal Program Name/Description:	
8. Federal Action Number, if known:	9. Award Amount, if known: \$	
10a. Name and Address of Lobbying Entity, (if individual, last name, first name, MI)	10b. Individuals performing Services (including address if different from No. 10a.), (if individual, last name, first name, MI)	
11. Amount of Payment (check all that apply): \$ _____ actual planned	13. Type of Payment (check all that apply) a. retainer b. one-time fee c. commission d. contingent fee e. deferred f. other specify _____	
12. Form of Payment (check all that apply): a. cash b. In-kind; specify; nature _____ value _____		
14. Brief Description of services performed or performed and date(s) of Service, including officer(s), employer(s), or member(s) contacted for payment indicated in Item 11.		
15. Continuation Sheet(s) SF-LLL-A attached: Yes No		
16. Information requested through this form is authorized by Title 31 U.S.C. Section 1362. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when this transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to Congress semi-annually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each failure	Signature: _____ Print Name: _____ Title: _____ Telephone No. _____ Date: _____	
	<i>Federal Use Only</i>	
Authorized for Local Reproduction Standard Form - LLL		

DISCLOSURE OF LOBBYING ACTIVITIES CONTINUATION SHEET

Reporting Entity: _____ Page _____ of _____

Authorized for Local Reproduction Standard Form - LLL

**CERTIFICATION REGARDING DEBARMENT, SUSPENSION,
AND OTHER RESPONSIBILITY MATTERS
PRIMARY COVERED TRANSACTION**

In accordance with the Code of Federal Regulations, part 49, CFR Section 29.510, the prospective primary participant _____ (Name of Authorized Agent), _____ (Title), being duly sworn (or under penalty of perjury under the laws of the United States), certifies to the best of his / her knowledge and belief, that it's principals:

- a. Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any federal department or agency;
- b. Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offence in connection with obtaining, attempting to obtain, or performing a public (federal, state, or local) transaction or contract under a public transaction; violation of federal or state antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
- c. Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (federal, state, or local) with commission of any of the offenses enumerated in paragraph (1) (b) of this certification?
- d. Have not within a three-year period preceding this application / proposal had one or more public transactions (federal, state, or local) terminated for cause of default.

Where the prospective primary participant is unable to certify to any of the statements in this certification, such prospective participant shall list exceptions below.

Exceptions will not necessarily result in denial or award, but will be considered in determining contractor responsibility. For any exception note, indicate below to whom it applies, the initiating agency, and the dates of the action. Providing false information may result in criminal prosecution or administrative sanction. If an exception is noted, the contractor must contact the Corporation to discuss the exception prior to award of the contract.

Signature of Authorized Agent

Date

REQUIREMENT FOR CERTIFICATION FOR NONSEGREGATED FACILITIES:

A certification of Nonsegregated Facilities must be submitted at the time of the bid opening of a contract or subcontract exceeding Ten Thousand Dollars (\$10,000), which is not exempt from the provisions of the Equal Opportunity Clause.

Certification – The information above is true and complete to the best of my knowledge and belief.

Name and Title of Signer *(please type)*

Signature

Date

Note: The penalty for making false statements in offers is prescribed in 18 U.S.C. 1001

DISADVANTAGED BUSINESS ENTERPRISE UTILIZATION PLAN

The undersigned hereby further assures that the information included herein is true and correct, and that the DBE firm(s) listed herein have agreed to perform a commercially useful function in the work items noted for each firm. The undersigned further understands that no changes to this statement may be made without prior approval from the Civil Right Staff of the Federal Aviation Administration.

1. Name of Project: Hard Flooring Renovation
2. Number of Project: RIAC Contract No. 35219
3. Total Dollar Amount of Bid: \$ _____
4. Disadvantaged Business Enterprise Participation: \$ _____
 - a. Name of Bidder _____
Address _____
Phone(s) _____
 - b. If the Bidder is a Disadvantaged Business Enterprises (Contractors, suppliers, vendors), the services they will provide and the approximate amount of money they will receive. (Include joint venture partner, if applicable.)

Total of listed amounts \$ _____

(Use back of sheet for additional space, if needed)

Contractor: _____

By: _____

Address: _____

Phone Number: _____ Zip Code: _____

**LETTER OF INTENT TO PERFORM
AS A QUALIFIED DISADVANTAGED BUSINESS**

To: _____ Project: Hard Flooring Renovation
(Name of Contractor)

Reference #: _____

The undersigned intends to perform work in connection with the above project as (check one):

_____ an individual _____ a corporation
_____ a partnership _____ a joint venture

The undersigned certifies the company is a Disadvantaged Business Enterprise as defined by the Rhode Island Department of Administration

The undersigned is prepared to perform the following described work in connection with the above project (specify in detail work to be performed).

Subcontractor: _____ Contract Amount _____
(Name)

Supplier: _____ Contract Amount _____
(Name)

The Bid Price agreed upon is: \$ _____ Dated _____

The undersigned agrees that the contract conditions above are true and accurate and will be performed by the above, who will enter into a formal agreement for the above work with you, conditioned upon your execution of a contract with

Name of company, signature and title of authorized official of the company and the date must be properly executed on this document or the bid will be deemed nonresponsive.

(Date)

(Name of Disadvantaged Company)

*As determined by _____

(Signature of Authorized Official)

(Title of Authorized Officer)

DBE WAIVER FORM

(Required for All Bids Requesting Waiver of the use of DBE's Stated in Section 00750)

I, _____, _____, of _____
(Name) (Address) (Company)

certify that on _____, I contacted the following DBE Contractors to obtain a bid for work
(date)

items to be performed on Contract Number 35219

DBE Contractor Name and Address Work Items Sought

DBE Contractor Name and Address	Work Items Sought
_____	_____
_____	_____
_____	_____

To the best of my knowledge and belief, said DBE Contractor was unavailable (exclusive of unavailability due to lack of agreement on price) for work on this project, or unable to prepare a bid for the following reason(s):

Signature: _____

Date: _____

This portion to be completed by DBE Contractor:

_____ was offered an opportunity to bid or make an offer on the above
(Name of DBE)

identified work on _____ by _____
(Date) (Source)

The above statement is a true and accurate account of why I did not submit an offer/bid on this project.

Signature: _____

Title: _____

CONTRACTOR QUALIFICATION FORM

Instructions:

Elaboration of the following required information is necessary to ascertain your firm's capabilities to effectively execute the Project. Pursuant to the Information to Bidders of Section 1, your completion of this Contractor Qualification Form is MANDATORY and will be utilized by RIAC as a basis for determining the qualified lowest bid, and subsequent award.

PLEASE ATTACH TO THIS FORM A COPY OF YOUR CERTIFICATE OF INSURANCE INDICATING CURRENT LIMITS.

Firm: _____ President: _____
Address: _____ Phone: _____
_____ Fax: _____
Federal ID#: _____ Contact: _____ Former Company Name: _____
Years performing work specialty: _____ Work Now Under Contract: \$ _____
Bank Reference: _____ Work in Place Last Year: \$ _____
Address: _____ Average Annual Sales Last 3 Years.: \$ _____
_____ Value Of Capital Equipment Owned: \$ _____
Bonding Company: _____ Bonding Agent: _____
Total Bonding Capacity: \$ _____ Address: _____
Work Currently Bonded: \$ _____
Work Now Under Contract: \$ _____
Bonding Companies Best Rating: _____ Bonding Agent's Phone: _____
Is Firm In Compliance with all EEO Requirements? Y N Has Firm Ever Failed To Complete A Contract?: Y N
Has Firm Ever Been Involved In Bankruptcy Or Re-organization? Y N Are There Any Claims Against The Firms?: Y N
Are There Any Pending Judgments Against The Firm?: Y N

(IF THE ANSWER IS YES TO ANY OF THE ABOVE PLEASE DESCRIBE ON A SEPARATE SHEET)

Insurance: ("CLAIMS-MADE" GENERAL LIABILITY IS UNACCEPTABLE)

Submit Sample Certificate Of Insurance Showing Coverage And Limits For General Liability, Automobile Liability, Excess Umbrella Liability, And Worker's Compensation.

Experience Modification Rating: _____ Agency's Name: _____

Contact's Name: _____ Contact's Phone: _____

Safety:

Attach Log And Summary Of OSHA violations and any fines or settlements for the past 36 months

Attach Log And Summary Of Occupational Injuries And Illnesses As Required By the U.S. Dept. Of Labor For The Past 36 Months (OSHA Form No. 200)

OSHA Recordable Incident Rate (Current Year): _____ OSHA Lost Days Away Incident Rate (Current Year): _____

List Four (4) Or More Most Significant Projects Completed Within The Last Five (5) Years:
Refer to Section 00100, paragraph XI.

Project & Location	Engineer	Contract With	Contract Amount	Date Completed	Reference Contact & Phone Number

PLEASE ATTACH ADDITIONAL SHEETS IF NECESSARY

Please list **key personnel** available for project and describe responsibilities of each:

Total Firm Staff Employed for this project: _____ Total Staff Employed Firm-wide: _____

Please list **key equipment** available for project and whether Firm owns or leases equipment:

List Three (3) Or More Most Significant Projects Currently Under Construction:

Refer to Section 00100, paragraph XI

Project & Location	Engineer	Contract With	Contract Amount	Date Completed	Reference Contact & Phone Number

PLEASE ATTACH ADDITIONAL SHEETS IF NECESSARY

THE APPARENT LOW BIDDER SHALL PROVIDE A COPY OF HIS/HER COMPANY'S FINANCIAL STATEMENT, CERTIFIED BY CERTIFIED PUBLIC ACCOUNTANT, WITHIN 5 DAYS OF REQUEST BY RIAC.

THE APPARENT LOW BIDDER SHALL PROVIDE A COPY OF HIS/HER COMPANY'S CONTRACTOR QUALIFICATION FORM TO RIAC, IF REQUESTED, WITHIN 5 DAYS OF BID OPENING.

This Form **MUST** Be Signed By An Officer Of The Firm Or An Individual So Authorized By An Officer Of The Firm.

Signature: _____

Name: _____

Title: _____

PROJECT SUBCONTRACTORS

The Bidder advises herein that the following Subcontractors are proposed for the item of work listed. Subcontractors are subject to review and approval per the requirements of the Contract Documents and the technical requirements specified. List only firms that will supply labor at the site. Failure to provide this information may result in the bid being considered non-responsive.

SUBCONTRACTOR	DBE (Y/N)	TRADE	CONTRACT WORK ITEM(S) TO BE PERFORMED	VALUE (\$)
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				

Respectfully Submitted:

Company: _____

Signature: _____

Name: _____

Title: _____

Date: _____

CERTIFICATION OF COMPLIANCE WITH FEDERALLY REQUIRED CONTRACT
REQUIREMENTS

The bidder/offeror certifies, by submission of this proposal or acceptance of this, that he/she has read the federally mandated contract requirements as listed in Section 00950, Federal Contract Conditions and Section 00960, Executive Orders and that compliance with said references will be incorporated into the terms of the Contract documents.

I hereby certify that I have read and will comply with all of the above requirements.

Signature of Authorized Contractor and/or Consultant Representative

Date

Certificate of Buy American Compliance for Manufactured Products

As a matter of bid responsiveness, the bidder or offeror must complete, sign, date, and submit this certification statement with its proposal. The bidder or offeror must indicate how it intends to comply with 49 USC § 50101, BABA and other related Made in America Laws, U.S. statutes, guidance, and FAA policies, by selecting one of the following certification statements. These statements are mutually exclusive. Bidder must select one or the other (i.e., not both) by inserting a checkmark (✓) or the letter “X”.

- Bidder or offeror hereby certifies that it will comply with 49 USC § 50101, BABA and other related U.S. statutes, guidance, and policies of the FAA by:
- a) Only installing iron, steel and manufactured products produced in the United States;
 - b) Only installing construction materials defined as: an article, material, or supply – other than an item of primarily iron or steel; a manufactured product; cement and cementitious materials; aggregates such as stone, sand, or gravel; or aggregate binding agents or additives that are or consist primarily of non-ferrous metals; plastic and polymer-based products (including polyvinylchloride, composite building materials, and polymers used in fiber optic cables); glass (including optic glass); lumber or drywall that have been manufactured in the United States.
 - c) Installing manufactured products for which the Federal Aviation Administration (FAA) has issued a waiver as indicated by inclusion on the current FAA Nationwide Buy American Waivers Issued listing; or
 - d) Installing products listed as an Excepted Article, Material or Supply in Federal Acquisition Regulation Subpart 25.108.

By selecting this certification statement, the bidder or offeror agrees:

- a) To provide to the Airport Sponsor or the FAA evidence that documents the source and origin of the iron, steel, and/or manufactured product.
 - b) To faithfully comply with providing U.S. domestic products.
 - c) To refrain from seeking a waiver request after establishment of the contract, unless extenuating circumstances emerge that the FAA determines justified.
 - d) Certify that all construction materials used in the project are manufactured in the U.S.
- The bidder or offeror hereby certifies it cannot comply with the 100 percent Buy American Preferences of 49 USC § 50101(a) but may qualify for a Type 3 or Type 4 waiver under 49 USC § 50101(b). By selecting this certification statement, the apparent bidder or offeror with the apparent low bid agrees:

- a) To submit to the Airport Sponsor or FAA within 15 calendar days of being selected as the responsive bidder, a formal waiver request and required documentation that supports the type of waiver being requested.
- b) That failure to submit the required documentation within the specified timeframe is cause for a non-responsive determination that may result in rejection of the proposal.
- c) To faithfully comply with providing U.S. domestic products at or above the approved U.S. domestic content percentage as approved by the FAA.
- d) To furnish U.S. domestic product for any waiver request that the FAA rejects.
- e) To refrain from seeking a waiver request after establishment of the contract, unless extenuating circumstances emerge that the FAA determines justified.

Required Documentation

Type 2 Waiver (Nonavailability) - The iron, steel, manufactured goods or construction materials or manufactured goods are not available in sufficient quantity or quality in the United States. The required documentation for the Nonavailability waiver is

- a) Completed Content Percentage Worksheet and Final Assembly Questionnaire
- b) Record of thorough market research, consideration where appropriate of qualifying alternate items, products, or materials including;
- c) A description of the market research activities and methods used to identify domestically manufactured items capable of satisfying the requirement, including the timing of the research and conclusions reached on the availability of sources.

Type 3 Waiver – The cost of components and subcomponents produced in the United States is more than 60 percent of the cost of all components and subcomponents of the “facility/project.” The required documentation for a Type 3 waiver is:

- a) Completed Content Percentage Worksheet and Final Assembly Questionnaire including;
- b) Listing of all manufactured products that are not comprised of 100 percent U.S. domestic content (excludes products listed on the FAA Nationwide Buy American Waivers Issued listing and products excluded by Federal Acquisition Regulation Subpart 25.108; products of unknown origin must be considered as non-domestic products in their entirety).
- c) Cost of non-domestic components and subcomponents, excluding labor costs associated with final assembly and installation at project location.
- d) Percentage of non-domestic component and subcomponent cost as compared to total “facility” component and subcomponent costs, excluding labor costs associated with final assembly and installation at project location.

Type 4 Waiver (Unreasonable Costs) - Applying this provision for iron, steel, manufactured goods or construction materials would increase the cost of the overall project by more than 25 percent. The required documentation for this waiver is:

- a) A completed Content Percentage Worksheet and Final Assembly Questionnaire from
- b) At minimum two comparable equal bids and/or offers;
- c) Receipt or record that demonstrates that supplier scouting called for in Executive Order 14005, indicates that no domestic source exists for the project and/or component;
- d) Completed waiver applications for each comparable bid and/or offer.

False Statements: Per 49 USC § 47126, this certification concerns a matter within the jurisdiction of the Federal Aviation Administration and the making of a false, fictitious, or fraudulent certification may render the maker subject to prosecution under Title 18, United States Code.

Date

Signature

Company Name

Title

**CERTIFICATION OF OFFERER/BIDDER REGARDING TAX DELINQUENCY AND FELONY
CONVICTIONS**

The applicant must complete the following two certification statements. The applicant must indicate its current status as it relates to tax delinquency and felony conviction by inserting a checkmark (✓) in the space following the applicable response. The applicant agrees that, if awarded a contract resulting from this solicitation, it will incorporate this provision for certification in all lower tier subcontracts.

Certifications

- a) The applicant represents that it is () is not () a corporation that has any unpaid Federal tax liability that has been assessed, for which all judicial and administrative remedies have been exhausted or have lapsed, and that is not being paid in a timely manner pursuant to an agreement with the authority responsible for collecting the tax liability.
- b) The applicant represents that it is () is not () is not a corporation that was convicted of a criminal violation under any Federal law within the preceding 24 months.

Note

If an applicant responds in the affirmative to either of the above representations, the applicant is ineligible to receive an award unless the sponsor has received notification from the agency suspension and debarment official (SDO) that the SDO has considered suspension or debarment and determined that further action is not required to protect the Government's interests. The applicant therefore must provide information to the owner about its tax liability or conviction to the Owner, who will then notify the FAA Airports District Office, which will then notify the agency's SDO to facilitate completion of the required considerations before award decisions are made.

Term Definitions

Felony conviction: Felony conviction means a conviction within the preceding twenty four (24) months of a felony criminal violation under any Federal law and includes conviction of an offense defined in a section of the U.S. code that specifically classifies the offense as a felony and conviction of an offense that is classified as a felony under 18 U.S.C. § 3559.

Tax Delinquency: A tax delinquency is any unpaid Federal tax liability that has been assessed, for which all judicial and administrative remedies have been exhausted, or have lapsed, and that is not being paid in a timely manner pursuant to an agreement with the authority responsible for collecting the tax liability.

Date

Signature

Company Name

Title

EQUAL EMPLOYMENT OPPORTUNITY REPORT STATEMENT
As Required by 41 CFR 60-1.7(b)

The Bidder (proposer) shall complete the following statement by checking the appropriate boxes. Failure to complete these blanks may be grounds for rejection of bids.

1. The Bidder (proposer) has _____ has not _____ developed and has on file at each establishment Affirmative Action Programs pursuant to 41 CFR 60-1.4 and 41 CFR.
2. The Bidder (proposer) has _____ has not _____ participated in any previous contract or subcontract subject to the Equal Opportunity Clause prescribed by Executive Order 11246, as amended.
3. The Bidder (proposer) has _____ has not _____ filed with the Joint Reporting Committee the annual compliance report on Standard Form 100 (EEO-1 Report).
4. The Bidder (proposer) does _____ does not _____ employ fifty (50) or more employees.

(Name of Bidder)

BY:

(Signature)

TITLE:

DATE:

IN WITNESS WHEREOF, the Principal and Surety have hereunto caused this Bond to be duly executed and acknowledged by their appropriate officials as set forth below this _____ day of _____, 20_____.

PRINCIPAL (If Sole Proprietor or Partnership)

(Firm Name)

ATTEST :

By: _____
(SEAL)

Title (Sole Proprietor or Partner)

PRINCIPAL (If Corporation)

(Impress Corporate Seal)

(Corporation Name)

By: _____
(President)

Attest: _____
(Secretary)

SURETY:

By: _____
Attorney-In-Fact
(Power of Attorney Must Be Attached)

SECTION 096623 – RESINOUS MATRIX TERRAZZO FLOORING

-Section Revised under Addendum #8-

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Thin-set epoxy terrazzo flooring including preparation of substrates.
2. Thin-set precast epoxy terrazzo tread or tread & riser units.
3. Thin-set precast epoxy terrazzo wall base units.
4. Related accessories.

1.2 ACTION SUBMITTALS

A. Manufacturer's product data for each type of terrazzo and accessory. System will be evaluated on the basis of standards. For tests not listed in published data, manufacturer shall supply missing data according to standard referenced:

1. Physical properties.
2. Performance properties.
3. Specified tests.
4. Material Safety Data Sheet.
5. Manufacturer's standard warranty.

B. Shop Drawings. Include terrazzo installation requirements. Include plans, elevations, sections, component details and attachments to other work. Show layout of the following:

1. Divider strips.
2. Control and expansion joint strips.
3. Base and border strips.
4. Abrasive strips.
5. Stair treads, risers and landings.
6. Epoxy terrazzo jointing and edge configurations including anchorage details.
7. Terrazzo patterns.

C. Samples for initial selection from manufacturers color plates showing the full range of colors and patterns available for each terrazzo type indicated.

D. Samples for Verification: Match architect's samples for each type, material, color and pattern of terrazzo and accessory required showing the full range of color, texture and pattern variations expected. Label each terrazzo sample to identify matrix color and aggregate types, sizes and proportions. Prepare samples of same thickness and from same material to be used for the work in size indicated below:

1. Epoxy terrazzo: minimum 6" x 6" (152.4 mm x 152.4 mm) sample of each color and type of terrazzo.

2. Accessories: 6” length (152.4 mm) of each kind of divider strip, stop strip and control joint strip required.
3. Stair Treads: 12” length (304.8 mm) wide sample combination tread/riser with cast-in nosing.

E. Manufacturer Experience:

1. Submit proof of five years history of associate membership in NTMA.
2. Furnish a list of at least five (5) epoxy terrazzo projects using material being submitted for this project installed during the last five (5) years of the same scope, complexity and at least 50 percent of the square footage.

F. Qualification Data: For qualified installer.

1. Submit proof of five years history of contractor membership in NTMA.
2. Furnish a list of at least five (5) epoxy terrazzo projects using material being submitted for this project installed during the last five (5) years of the same scope, complexity and at least 50 percent of the square footage.

G. Material Test Reports: For moisture and/or relative humidity of substrate.

H. Maintenance Data: Submit one (1) copy of NTMA maintenance recommendations and one (1) copy of manufacturer’s instructions

1.3 QUALITY ASSURANCE

A. Installer Qualifications: A qualified installer who is acceptable to architect and epoxy terrazzo manufacturer to install manufacturer’s products.

1. Engage a terrazzo contractor with at least ten (10) years of satisfactory experience in installation of epoxy terrazzo. Terrazzo contractor shall demonstrate experience during last five (5) years of at least five (5) projects of comparable scope and complexity of at least 50 percent of the total square footage of this project
2. Engage an installer who is a contractor member of NTMA.
3. Preapproved terrazzo installers:
 - a. Depaoli Mosaic Company, Canton, MA.
 - b. Roman Mosaic and Tile Company, Quincy, MA.

B. Source Limitations:

1. Engage an epoxy manufacturer with at least ten (10) years of satisfactory experience manufacturing epoxy terrazzo, moisture treatment system and crack isolation membrane.
2. Obtain primary Epoxy Terrazzo Flooring System materials including moisture treatment, membranes, primers, resins and hardening agents from a single manufacturer with proof of NTMA membership.
3. Obtain aggregates, divider strips, sealers and cleaners from source recommended by primary materials manufacturer.

C. Pre-installation Conference: Conduct conference at project site to comply with requirements in Section 01200 – Project Meetings. Review methods and procedure related to terrazzo including, but not limited to, the following:

1. Inspect and discuss installation procedures, joint details, job site conditions, substrate specification, vapor barrier details and coordination with other trades.
2. Review and finalize construction schedule, phasing plans, and verify availability of materials, installer’s personnel, equipment and facilities needed to make progress and avoid delays.
3. Review special terrazzo designs and patterns.

4. Review plans for concrete curing and site drying to enable timely achievement of suitable slab moisture conditions.
- D. NTMA Standards: Comply with NTMA's "Terrazzo Specifications and Design Guide" and with written recommendations for terrazzo type indicated unless more stringent requirements are specified.
 - E. Mock-ups: Build mock-ups to verify selections made under sample submittals and to demonstrate aesthetic effects and set quality standards for materials and execution.
 1. Build mock-ups for terrazzo including accessories.
 - a. Size: Minimum 100 sq. ft. (9.3 sq. m) of typical poured-in-place flooring and base condition for each color and pattern in locations directed by architect
 2. Approved mockups may become part of the completed work if undisturbed at time of substantial completion.
- 1.4 CLOSEOUT SUBMITTALS
- A. Maintenance data.
- 1.5 DELIVERY, STORAGE, AND HANDLING
- A. Deliver materials to project site in supplier's original wrappings and containers labeled with source's or manufacturer's name, material or product brand name and lot number if any.
 - B. Store materials in their original, undamaged packages and containers inside a well-ventilated area protected from weather, moisture, soiling, extreme temperatures and humidity.
 1. Storage temperatures should be between 50°F to 80°F (10.0°C to 26.6°C).
- 1.6 PROJECT CONDITIONS
- A. Prior to surface preparation, terrazzo contractor shall:
 1. Evaluate slab condition, including slab moisture content and extent of repairs required, if any.
 2. Maintain the ambient room and floor temperature at 60°F (15.5°C) or above for a period extending 72 hours before, during and after floor installation. Concrete to receive epoxy terrazzo shall have cured for at least 28 days and be free of all curing compounds. Test concrete substrate to determine acceptable moisture levels prior to installation. Testing should be conducted according to ASTM F2170 (determining relative humidity in concrete slabs using in situ probes). Proceed with installation only after substrates have a maximum relative humidity measurement reading less than 80%. If relative humidity measurement reading is greater than or equal to 80%, manufacturer's Moisture Vapor Treatment is required. Apply to terrazzo substrates according to manufacturer's instructions.
 - B. Prior to and during each day of installation, the terrazzo contractor shall verify that the dew point is at least 5°F (-15°C) less than the slab and air temperature.
 - C. Acceptable Substrates:
 1. Level tolerance: Concrete sub-floor shall be level with a maximum variation from level of 1/4" in 10 feet (6.4 mm in 3.1m). Any irregularity of the surface requiring patching and/or leveling shall be done using epoxy and sand fill as recommended by manufacturer.

2. Concrete floor shall be prepared mechanically by shot blasting in accordance with ICRI Guideline No. 03732. Specifically, surface preparation results should achieve a CSP3-CSP5 profile.
 3. Concrete floor shall receive a steel trowel finish.
 4. Concrete shall be cured a minimum of 28 days. No curing agents are to be used in areas to receive terrazzo.
 5. Concrete slab shall have an efficient moisture vapor barrier (suggested minimum: 15 mils (.4 mm thickness)) directly under the concrete slab. Moisture barrier shall NOT be punctured.
 6. Saw cutting of control joints must be done between 12 and 24 hours after placement of the structural concrete and at a frequency compatible to ACI recommendations.
- D. Provide permanent lighting or, if permanent lighting is not in place, simulate permanent lighting conditions during terrazzo installation.

Provide protection from other trades prior to final acceptance by owner.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

- A. NTMA Standards: Comply with NTMA's written recommendations for terrazzo type indicated unless more stringent requirements are specified.

2.2 EPOXY TERRAZZO

- A. Products: Systems Overview: The basis of design is Terroxy® Resin Systems Epoxy Matrix by Terrazzo & Marble Supply Companies, Wheeling, IL (www.tmsupply.com). Acceptable equals below.
1. Crossfield Products Corp., Dex-o-Tex Division; Dex-O-Tex Cheminert Terrazzo; Rancho Dominguez, CA.
 2. TEC Systems
- B. Materials:
1. Primer: Primer
 2. Moisture Vapor Treatment: Moisture Vapor Treatment (MVT).
 - a. Contractor to include MVT for all slabs on-grade, light weight concrete and green concrete. MVT System must handle up to 99% R.H. in accordance with MVT Testing.
 - b. Physical properties of moisture mitigating primer shall have a maximum of 0.3 perms with 100% RH.
 3. Flexible Reinforcing Membrane: Crack Isolation Epoxy Membrane, for substrate crack preparation and reflective crack reduction.
 - a. Reinforcement: fiberglass scrim (optional).
 - b. ~~Contractor to include 10% of the total square footage in lineal feet for random crack detailing and repair.~~
 - c. For lightweight concrete conditions, contractor to carry full coverage membrane.

4. Epoxy Matrix: Epoxy Matrix and in color required for mix indicated.
- a. Physical properties without aggregates. All specimens cured for 7 days at 73-77°F (22.8-25°C) and 50 percent plus or minus 2 percent RH. This product shall meet the following requirements:

Hardness: ASTM D—2240 using Shore-D Durometer

- a. NTMA requirement: 60-85
- b. Terroxy typical result: 75-85

Tensile Strength: ASTM D-638

- a. NTMA requirement: 3,000 psi min.
- b. Terroxy typical result: 4,800 psi min.

Compressive Strength: ASTM-D695 Specimen B Cylinder

- a. NTMA Requirement: 10,000 psi min., 69.9 MPa
- b. Terroxy Typical result: 12,000 psi min., 31.7 MPa

Flexural Strength: ASTM D-790

- a. NTMA Requirement: Not specified
- b. Terroxy Typical result: 4,500 psi min., 31.7 MPa

Chemical Resistance: ASTM D-1308, seven days at room temperature by immersion method

- a. NTMA requirement: No deleterious effects: distilled water, mineral oil, isopropanol, ethanol, 0.025 detergent solution, 1% soap solution, 10% sodium hydroxide, 10% hydrochloric acid, 30% sulfuric acid, 5% acetic acid
- b. Terroxy typical result: No deleterious effects: distilled water, mineral oil, isopropanol, ethanol, 0.025 detergent solution, 1% soap solution, 10% sodium hydroxide, 10% hydrochloric acid, 30% sulfuric acid, 5% acetic acid

- b. Physical properties with aggregates. For Epoxy Matrix blended with three volumes of Valders marble blended 60% #1 chip and 40% #0 chip, ground and grouted with epoxy resin according to Installation Specifications, finishing to a nominal 3/8" (9.5 mm) thickness. All specimens cured for 7 days at 73-77°F (22.8-25°C) and 50 percent RH plus or minus 2 percent RH. This finished Epoxy Matrix shall meet the following requirements:

Flammability: ASTM D-635

- a. NTMA Requirement: Self-extinguishing, extent of burning 0.25 inches max.
- b. Terroxy typical result: Self extinguishing, extent of burning 0.25 inches max.

Thermal Coefficient of Linear Expansion: ASTM D-696

- a. NTMA Requirement: 25×10^{-6} inches per inch per degrees to 140°F, 11.4×10^{-7} cm per cm per °C to 60°C Max

- b. Terroxy typical result: 25x10⁻⁶ inches per inch per degrees to 140°F, 11.4 x 10⁻⁷ cm per cm per °C to 60°C Max

Bond Strength: ACI COMM 403, Bulletin 59-43 (pages 1139-1141)

- a. NTMA Requirement: 300 psi (100% concrete failure), 2.1 MPa (100% concrete failure)
- b. Terroxy typical result: 300 psi (100% concrete failure), 2.1 MPa (100% concrete failure)

Critical Radiant Flux: ASTM E-648

- a. Terroxy typical result: 1.0 watts/cm²

Fire Rating- Test for Surface Burning Characteristics of Flooring: CAN/ULC S102.2-10 Tunnel Test

- a. Terroxy typical result: Smoke Developed Classification (SDC) – 175; Flame Spread Rating (FSR) - 5

- 5. Aggregates: Marble; complying with NTMA gradation standards for mix indicated and containing no deleterious or foreign matter.
 - a. Abrasion and Impact Resistance: Less than 40 percent loss per ASTM C 131.
 - b. 24-Hour Absorption Rate: Less than 0.74 percent.
 - c. Dust Content: Less than 1.0 percent by weight.
- 6. Finishing Grout: Epoxy Matrix or Clear Resin with a broadcast of limestone filler as recommended by manufacturer.

C. Mix: Comply with NTMA's "Terrazzo Specifications and Design Guide" and manufacturer's written instructions for matrix and aggregate proportions and mixing.

- 1. Color and pattern schedule: Where the following designations are indicated, provide specified terrazzo matrices matching architect's samples from Terrazzo and Marble Supply Co.:
 - a. TZ-01: Cream – TM#24-1339
 - b. TZ-02: Taupe – TM#24-1689
 - c. TZ-03: Gray – TM#24-1337
 - d. TZ-04: Black – TM#24-1338
 - e. TZ-05: Green – TM#24-1336V
 - f. TZ-06: Burgundy – TM#24-1071V
 - g. TZ-07: Precast Tread/Riser – To be selected
 - h. TZ-08: Precast Base – To be selected

2.3 STRIP MATERIALS

- A. Thin-set Divider Strips: L-type.
 - 1. Basis of Design Manufacturer: Terrazzo & Marble Supply
 - 2. Artwork and Pattern Strips: Creative Edge using StencilTek and FrameTek
 - 3. Material: Brass

4. *Depth: 3/8" Base Bid; 5/8" Add Alternate*
5. *Top width: 1/8", and 1/4"*
6. *Guide for commonly used L-type divider strips for Thin-set Epoxy Terrazzo Systems*

- B. Control/Construction Joints (saw cut, cold joint): Detail joints in accordance with NTMA Tech Bulletin T-24.
1. Option 1. Preferred: Separate double L-type angles back to back with minimum 1/8" (3.2mm) width between. Fill joint and area between strips with semi-flexible joint filler.
 2. Option 2. Fill saw cut with 100% solids epoxy. Place single L-type angle strip shouldered on concrete, adjacent to the joint.
 3. Option 3. For artwork considerations only. Buried Joint: Fill saw cut with 100% solids epoxy, followed by application of Iso-Crack Membrane (40 mils / 1.0mm) with fiberglass mesh reinforcement embedded into the membrane. Note: Movement from the substrate may reflect through the finished flooring.
- C. Expansion Joint Strips: Separate double L-type angles, positioned back to back with minimum 1/8" (3.2 mm) width between. Fill area between strips with semi-flexible joint filler.
- D. Random Crack Detail: For cracks over 1/16" width before surface preparation.
1. Fill saw cut with 100% solids epoxy, followed by application of Iso-Crack Membrane (40 mils / 1.0mm) with fiberglass mesh reinforcement embedded into the membrane.
 - a. Contractor to include 10% lineal ft for random crack repair
 2. Note: Movement from the substrate may reflect through the finished flooring.
- E. Special Considerations: For epoxy terrazzo exposed to direct sunlight use strip method B Option 1 (referenced above) every 8'-12' in each direction to compensate for thermal expansion/contraction.

2.4 MISCELLANEOUS ACCESSORIES

- A. Strip Adhesive: 100% solids epoxy resin adhesive recommended by manufacturer.
1. Use adhesive that has a VOC content of 50g/L or less when calculated according to 40 CFR 59, Subpart D (EPA Method 24).
- B. Anchoring Devices:
1. Strips: Provide mechanical anchoring devices for strip materials as required for secure attachment to substrate.
 2. Precast Terrazzo: Provide mechanical anchoring devices as recommended by terrazzo contractor for proper anchorage and support of units for conditions of installation and support.
- C. Patching and Fill Material: epoxy and sand fill as recommended by manufacturer, meeting minimum compressive strength and maximum aggregate to resin ratio 4:1.
- D. Joint Compound: Terroxy Resin Systems, Joint Filler, by Terrazzo & Marble Supply Companies, 6100 Seaforth Street, Baltimore, MD 21224, 410-633-6200, or equal; color to be selected by architect to match/compliment terrazzo.
- E. Cleaner: Terra Clean, or equal, a neutral cleaner with pH factor between 7 and 10 specifically designed for terrazzo.

- F. Surface Finish System: All terrazzo shall be finished to a minimum 200 Grit finish, with the exception of black terrazzo, which will be finished up to a 400 Grit Finish.
- G. Sealer: Slip and stain-resistant sealer that is chemically neutral with a pH factor between 7 and 10, that meets a standard coefficient of friction of 0.6 or higher, as measured by the James Machine (ASTM D-2047 Test Method), does not affect physical properties of terrazzo and complies with NTMA's "Terrazzo Specifications and Design Guide."
 - 1. Basis of Design: Terroxy WB Acrylic Plus

2.5 PRECAST TERRAZZO

- A. Precast Terrazzo Units: Precast epoxy terrazzo base and stair tread units.
- B. Manufacturers: Subject to compliance with requirements, provided products acceptable to architect.
 - 1. Basis of Design: Angelozzi Precast Terrazzo
- C. Precast Terrazzo Base Units: 1/4" (6.4 mm) thick, cast in maximum lengths possible, but not less than 36" (900 mm).
 - 1. Type: Square
 - 2. Height: 4"
 - 3. Outside Corner Units: With finished returned edges at outside corner.
 - 4. Color and Pattern: Match adjacent poured-in-place terrazzo flooring.
- D. Precast Terrazzo Stair Treads: Thickness indicated with cast-in nosing.
 - 1. Tread/Riser: 1/2" (12.7 mm) thick epoxy
 - 2. Include metal/abrasive traction strips
 - 3. Color and Pattern: Match architect's approved sample

PART 3 - EXECUTION

3.1 INSTALLATION, GENERAL

- A. Examine and clean substrates of substances, including oil, grease, and curing compounds, that might impair terrazzo bond. Provide clean, dry, and neutral substrate for terrazzo application.
 - 1. Roughen concrete substrates before installing terrazzo system according to NTMA's written recommendations.

3.2 PREPARATION

- A. Clean substrates of substances, including oil, grease and curing compounds, that might impair terrazzo bond. Provide clean, dry and neutral substrate for terrazzo application.
- B. Concrete Slabs:
 - 1. Provide sound concrete surface free of laitance, glaze, efflorescence, curing compounds, form-release agents, dust, dirt, grease, oil and other contaminants incompatible with terrazzo.

- a. Prepare concrete mechanically by shot blasting. Surface preparation results should achieve a CSP3-CSP5 profile according to International Concrete Repair Institute Guideline No. 03732.
 - b. Repair or level damaged and deteriorated concrete according to manufacturer's instructions for thin-set epoxy terrazzo
 - c. Repair cracks and non-expansion joints greater than 1/16" (1.6 mm) wide according to NTMA Tech Bulletin T-24.
2. Verify that concrete substrates are visibly dry and free of moisture.
 3. Moisture Testing:
 - a. Contractor to include moisture vapor treatment for all slab on grade and/or lightweight concrete or green concrete conditions. Moisture vapor treatment should handle up to 99% relative humidity.
 - b. Test for moisture at other conditions according to ASTM F2170 (determining relative humidity in concrete slabs using in situ probes).
 - c. Proceed with installation only after substrates have a maximum relative humidity measurement reading less than 80%. If relative humidity measurement reading is greater than or equal to 80%, moisture vapor treatment is required. Apply to terrazzo substrates according to manufacturer's moisture vapor treatment product data sheet.
 - d. Install moisture vapor treatment on all slab on grade and/or lightweight concrete conditions.
- C. Protect other work from dust generated by grinding operations. Control dust to prevent air pollution and comply with environmental protection regulations.
1. Erect and maintain temporary enclosures and other suitable methods to limit dust migration and to ensure adequate ambient temperatures and ventilation conditions during installation.

3.3 EPOXY TERRAZZO INSTALLATION

- A. General:
1. Comply with NTMA's written recommendations for terrazzo and accessory installation.
 2. Place, rough grind, grout, cure grout, fine grind and finish terrazzo according to manufacturer's instructions and NTMA's "Terrazzo Specifications and Design Guide."
 3. Ensure that matrix components and fluids from grinding operations do not stain terrazzo by reacting with divider and control-joint strips.
 4. Delay fine grinding until heavy trade work is complete and construction traffic through area is restricted.
- B. *Base Bid Thickness: 3/8"*
- C. *Add Alternate Thickness: 5/8"*
- D. Flexible Reinforcing Membrane
1. Membrane application for isolated cracking. Route out all cracks and fill with 100% solids epoxy. Apply manufacturer's crack isolation membrane (spread at 40 mils = 1.0 mm thickness) across the crack allowing 12 inches (304.8 mm) on either side. Imbed fiberglass scrim at a minimum of 9" into wet membrane and saturate with additional membrane.
- E. Primer: Apply to terrazzo substrates according to manufacturer's instructions.
- F. Moisture Vapor Treatment

1. Apply manufacturer's moisture mitigation product to any slab that exceeds 80% rH per ASTM-F-2170 as well as any slab on grade or lightweight concrete condition.
- G. Strip Materials:
1. Divider and Accessory Strips:
 - a. Detail joints in accordance with NTMA Tech Bulletin T-24.
 2. Install strips in adhesive setting bed without voids below strips or mechanically anchor strips as required to attach strips to substrate.
 - a. Control/Construction Joints (saw cut, cold joint):
 - 1) Option 1- Preferred: Separate double L-type angles back to back with minimum 1/8" (3.2mm) width between. Fill joint and area between strips with semi-flexible joint filler.
 - 2) Option 2. Fill saw cut with 100% solids epoxy. Place single L-type angle strip shouldered on concrete, adjacent to the joint.
 - 3) Option 3. For artwork considerations only. Buried Joint: Fill saw cut with 100% solids epoxy, followed by application of crack isolation membrane. (40 mils / 1.0mm) with fiberglass mesh reinforcement embedded into the membrane. Note: Movement from the substrate may reflect through the finished flooring.
 - b. Expansion Joint Strips: Separate double L-type angles, positioned back to back with minimum 1/8" (3.2 mm) width between. Fill area between strips with semi-flexible joint filler.
 - c. Random Crack Detail: For cracks over 1/16" width before surface preparation. Fill saw cut with 100% solids epoxy, followed by application of crack isolation membrane (40 mils / 1.0mm) with fiberglass mesh reinforcement embedded into the membrane. Note: Movement from the substrate may reflect through the finished flooring.
 - d. Special Considerations: For epoxy terrazzo exposed to direct sunlight use strip method B Option 1. (referenced above) every 8'-12' in each direction to compensate for thermal expansion/contraction.
- H. Placing Terrazzo:
1. Mix epoxy matrix with chips and fillers in ratios directed by manufacturer.
 2. Trowel apply terrazzo mixture over epoxy primer to provide a dense flat surface to top of divider strips. Allow to cure per manufacturer's recommendations before rough grinding.
- I. Rough Grinding: Grind with 24 grit silicon carbide or 24 grit turbo diamonds until all terrazzo strips and marble chips are uniformly exposed.
- J. Grouting, Polishing and Sealing:
1. Cleanse floor with clean water and rinse.
 2. Remove excess rinse water by wet vacuum, dry and fill voids with Epoxy Matrix or Clear Resin with a broadcast of limestone filler.
 3. Allow grout to cure.
 4. Polish with sequential polishing pads up to a 200 grit diamond or aesthetic equivalent, *base bid; 1800 grit add alternate*. All grout should be removed from the surface and terrazzo density should reflect a minimum of 70% aggregate exposure.
 5. GC to provide protection as specified (Masonite or ram board) for remainder of construction.

3.4 PRECAST TERRAZZO INSTALLATION

- A. Install precast units using method recommended by NTMA and manufacturer unless otherwise indicated.
- B. Seal joints between units with joint sealants.

3.5 CLEANING AND PROTECTION

- A. Terrazzo Cleaning:
 - 1. Remove grinding dust from installation and adjacent areas and wash all surfaces with Terroxy® Terra Clean or equivalent..
- B. Sealing: Apply slip and stain-resistant sealer that is chemically neutral with a pH factor between 7 and 10, that meets a standard coefficient of friction of 0.5 or higher, as measured by the James Machine (ASTM D-2047 Test Method), does not affect physical properties of terrazzo and complies with NTMA's "Terrazzo Specifications and Design Guide."
- C. Protection: Upon completion, the work shall be ready for final inspection and acceptance by the owner or his agent. Provide final protection and maintain conditions, in a manner acceptable to terrazzo contractor, that ensure terrazzo is without damage or deterioration.

3.6 METHOD OF MEASUREMENT

- A. Resinous Matrix Terrazzo Flooring shall be measured by each unit completed. The following items shall be included, but not limited to, the price of each unit: Resinous Matrix Terrazzo Flooring as indicated in plans.

3.7 BASIS OF PAYMENT

- A. The accepted quantity of Resinous Matrix Terrazzo Flooring will be paid for at the contract unit price, each, complete and in place. The price shall be full compensation for furnishing all materials and in preparation and placing of materials, furnishing and installation of any and all appurtenances and connections, and other structures as may be required to complete the work as shown on the plans and for all labor, equipment, tools, and incidentals to complete the work.

END OF SECTION 096623

Part 1 – General Contract Provisions

Section 10 Definition of Terms

When the following terms are used in these specifications, in the contract, or in any documents or other instruments pertaining to construction where these specifications govern, the intent and meaning shall be defined as follows:

Paragraph Number	Term	Definition
10-01	AASHTO	The American Association of State Highway and Transportation Officials.
10-02	Access Road	The right-of-way, the roadway and all improvements constructed thereon connecting the airport to a public roadway.
10-03	Advertisement	A public announcement, as required by local law, inviting bids for work to be performed and materials to be furnished.
10-04	Airport	Airport means an area of land or water which is used or intended to be used for the landing and takeoff of aircraft; an appurtenant area used or intended to be used for airport buildings or other airport facilities or rights of way; airport buildings and facilities located in any of these areas, and a heliport.
10-05	Airport Improvement Program (AIP)	A grant-in-aid program, administered by the Federal Aviation Administration (FAA).
10-06	Air Operations Area (AOA)	The term air operations area (AOA) shall mean any area of the airport used or intended to be used for the landing, takeoff, or surface maneuvering of aircraft. An air operation area shall include such paved or unpaved areas that are used or intended to be used for the unobstructed movement of aircraft in addition to its associated runway, taxiway, or apron.
10-07	Apron	Area where aircraft are parked, unloaded or loaded, fueled and/or serviced.
10-08	ASTM International (ASTM)	Formerly known as the American Society for Testing and Materials (ASTM).

Paragraph Number	Term	Definition
10-09	Award	The Owner's notice to the successful bidder of the acceptance of the submitted bid.
10-10	Bidder	Any individual, partnership, firm, or corporation, acting directly or through a duly authorized representative, who submits a proposal for the work contemplated.
10-11	Building Area	An area on the airport to be used, considered, or intended to be used for airport buildings or other airport facilities or rights-of-way together with all airport buildings and facilities located thereon.
10-12	Calendar Day	Every day shown on the calendar.
10-13	Certificate of Analysis (COA)	The COA is the manufacturer's Certificate of Compliance (COC) including all applicable test results required by the specifications.
10-14	Certificate of Compliance (COC)	The manufacturer's certification stating that materials or assemblies furnished fully comply with the requirements of the contract. The certificate shall be signed by the manufacturer's authorized representative.
10-15	Change Order	A written order to the Contractor covering changes in the plans, specifications, or proposal quantities and establishing the basis of payment and contract time adjustment, if any, for work within the scope of the contract and necessary to complete the project.
10-16	Contract	A written agreement between the Owner and the Contractor that establishes the obligations of the parties including but not limited to performance of work, furnishing of labor, equipment and materials and the basis of payment. The awarded contract includes but may not be limited to: Advertisement, Contract form, Proposal, Performance bond, payment bond, General provisions, certifications and representations, Technical Specifications, Plans, Supplemental Provisions, standards incorporated by reference and issued addenda.
10-17	Contract Item (Pay Item)	A specific unit of work for which a price is provided in the contract.
10-18	Contract Time	The number of calendar days or working days, stated in the proposal, allowed for completion of the contract, including authorized time extensions. If a calendar date of

Paragraph Number	Term	Definition
		completion is stated in the proposal, in lieu of a number of calendar or working days, the contract shall be completed by that date.
10-19	Contractor	The individual, partnership, firm, or corporation primarily liable for the acceptable performance of the work contracted and for the payment of all legal debts pertaining to the work who acts directly or through lawful agents or employees to complete the contract work.
10-20	Contractors Quality Control (QC) Facilities	The Contractor's QC facilities in accordance with the Contractor Quality Control Program (CQCP).
10-21	Contractor Quality Control Program (CQCP)	Details the methods and procedures that will be taken to assure that all materials and completed construction required by the contract conform to contract plans, technical specifications and other requirements, whether manufactured by the Contractor, or procured from subcontractors or vendors.
10-22	Control Strip	A demonstration by the Contractor that the materials, equipment, and construction processes results in a product meeting the requirements of the specification.
10-23	Construction Safety and Phasing Plan (CSPP)	The overall plan for safety and phasing of a construction project developed by the airport operator, or developed by the airport operator's consultant and approved by the airport operator. It is included in the invitation for bids and becomes part of the project specifications.
10-24	Drainage System	The system of pipes, ditches, and structures by which surface or subsurface waters are collected and conducted from the airport area.
10-25	Engineer	The individual, partnership, firm, or corporation duly authorized by the Owner to be responsible for engineering, inspection, and/or observation of the contract work and acting directly or through an authorized representative.
10-26	Equipment	All machinery, together with the necessary supplies for upkeep and maintenance; and all tools and apparatus necessary for the proper construction and acceptable completion of the work.
10-27	Extra Work	An item of work not provided for in the awarded contract as previously modified by change order or supplemental agreement, but which is found by the Owner's Engineer or

Paragraph Number	Term	Definition
		Resident Project Representative (RPR) to be necessary to complete the work within the intended scope of the contract as previously modified.
10-28	FAA	The Federal Aviation Administration. When used to designate a person, FAA shall mean the Administrator or their duly authorized representative.
10-29	Federal Specifications	The federal specifications and standards, commercial item descriptions, and supplements, amendments, and indices prepared and issued by the General Services Administration.
10-30	Force Account	<p>a. Contract Force Account - A method of payment that addresses extra work performed by the Contractor on a time and material basis.</p> <p>b. Owner Force Account - Work performed for the project by the Owner's employees.</p>
10-31	Intention of Terms	<p>Whenever, in these specifications or on the plans, the words “directed,” “required,” “permitted,” “ordered,” “designated,” “prescribed,” or words of like import are used, it shall be understood that the direction, requirement, permission, order, designation, or prescription of the Engineer and/or Resident Project Representative (RPR) is intended; and similarly, the words “approved,” “acceptable,” “satisfactory,” or words of like import, shall mean approved by, or acceptable to, or satisfactory to the Engineer and/or RPR, subject in each case to the final determination of the Owner.</p> <p>Any reference to a specific requirement of a numbered paragraph of the contract specifications or a cited standard shall be interpreted to include all general requirements of the entire section, specification item, or cited standard that may be pertinent to such specific reference.</p>
10-32	Lighting	A system of fixtures providing or controlling the light sources used on or near the airport or within the airport buildings. The field lighting includes all luminous signals, markers, floodlights, and illuminating devices used on or near the airport or to aid in the operation of aircraft landing at, taking off from, or taxiing on the airport surface.
10-33	Major and Minor Contract Items	A major contract item shall be any item that is listed in the proposal, the total cost of which is equal to or greater than

Paragraph Number	Term	Definition
		20% of the total amount of the award contract. All other items shall be considered minor contract items.
10-34	Materials	Any substance specified for use in the construction of the contract work.
10-35	Modification of Standards (MOS)	Any deviation from standard specifications applicable to material and construction methods in accordance with FAA Order 5300.1.
10-36	Notice to Proceed (NTP)	A written notice to the Contractor to begin the actual contract work on a previously agreed to date. If applicable, the Notice to Proceed shall state the date on which the contract time begins.
10-37	Owner	The term "Owner" shall mean the party of the first part or the contracting agency signatory to the contract. Where the term "Owner" is capitalized in this document, it shall mean airport Sponsor only. The Owner for this project is the Rhode Island Airport Corporation.
10-38	Passenger Facility Charge (PFC)	Per 14 Code of Federal Regulations (CFR) Part 158 and 49 United States Code (USC) § 40117, a PFC is a charge imposed by a public agency on passengers enplaned at a commercial service airport it controls.
10-39	Pavement Structure	The combined surface course, base course(s), and subbase course(s), if any, considered as a single unit.
10-40	Payment bond	The approved form of security furnished by the Contractor and their own surety as a guaranty that the Contractor will pay in full all bills and accounts for materials and labor used in the construction of the work.
10-41	Performance bond	The approved form of security furnished by the Contractor and their own surety as a guaranty that the Contractor will complete the work in accordance with the terms of the contract.
10-42	Plans	The official drawings or exact reproductions which show the location, character, dimensions and details of the airport and the work to be done and which are to be considered as a part of the contract, supplementary to the specifications. Plans may also be referred to as 'contract drawings.'

Paragraph Number	Term	Definition
10-43	Project	The agreed scope of work for accomplishing specific airport development with respect to a particular airport.
10-44	Proposal	The written offer of the bidder (when submitted on the approved proposal form) to perform the contemplated work and furnish the necessary materials in accordance with the provisions of the plans and specifications.
10-45	Proposal guaranty	The security furnished with a proposal to guarantee that the bidder will enter into a contract if their own proposal is accepted by the Owner.
10-46	Quality Assurance (QA)	Owner's responsibility to assure that construction work completed complies with specifications for payment.
10-47	Quality Control (QC)	Contractor's responsibility to control material(s) and construction processes to complete construction in accordance with project specifications.
10-48	Quality Assurance (QA) Inspector	An authorized representative of the Engineer and/or Resident Project Representative (RPR) assigned to make all necessary inspections, observations, tests, and/or observation of tests of the work performed or being performed, or of the materials furnished or being furnished by the Contractor.
10-49	Quality Assurance (QA) Laboratory	The official quality assurance testing laboratories of the Owner or such other laboratories as may be designated by the Engineer or RPR. May also be referred to as Engineer's, Owner's, or QA Laboratory.
10-50	Resident Project Representative (RPR)	The individual, partnership, firm, or corporation duly authorized by the Owner to be responsible for all necessary inspections, observations, tests, and/or observations of tests of the contract work performed or being performed, or of the materials furnished or being furnished by the Contractor, and acting directly or through an authorized representative.
10-51	Runway	The area on the airport prepared for the landing and takeoff of aircraft.
10-52	Runway Safety Area (RSA)	A defined surface surrounding the runway prepared or suitable for reducing the risk of damage to aircraft. See the construction safety and phasing plan (CSPP) for limits of the RSA.

Paragraph Number	Term	Definition
10-53	Safety Plan Compliance Document (SPCD)	Details how the Contractor will comply with the CSPP.
10-54	Specifications	A part of the contract containing the written directions and requirements for completing the contract work. Standards for specifying materials or testing which are cited in the contract specifications by reference shall have the same force and effect as if included in the contract physically.
10-55	Sponsor	A Sponsor is defined in 49 USC § 47102(24) as a public agency that submits to the FAA for an AIP grant; or a private Owner of a public-use airport that submits to the FAA an application for an AIP grant for the airport.
10-56	Structures	Airport facilities such as bridges; culverts; catch basins, inlets, retaining walls, cribbing; storm and sanitary sewer lines; water lines; underdrains; electrical ducts, manholes, handholes, lighting fixtures and bases; transformers; navigational aids; buildings; vaults; and, other manmade features of the airport that may be encountered in the work and not otherwise classified herein.
10-57	Subgrade	The soil that forms the pavement foundation.
10-58	Superintendent	The Contractor's executive representative who is present on the work during progress, authorized to receive and fulfill instructions from the RPR, and who shall supervise and direct the construction.
10-59	Supplemental Agreement	A written agreement between the Contractor and the Owner that establishes the basis of payment and contract time adjustment, if any, for the work affected by the supplemental agreement. A supplemental agreement is required if: (1) in scope work would increase or decrease the total amount of the awarded contract by more than 25%; (2) in scope work would increase or decrease the total of any major contract item by more than 25%; (3) work that is not within the scope of the originally awarded contract; or (4) adding or deleting of a major contract item.
10-60	Surety	The corporation, partnership, or individual, other than the Contractor, executing payment or performance bonds that are furnished to the Owner by the Contractor.
10-61	Taxilane	A taxiway designed for low speed movement of aircraft between aircraft parking areas and terminal areas.

Paragraph Number	Term	Definition
10-62	Taxiway	The portion of the air operations area of an airport that has been designated by competent airport authority for movement of aircraft to and from the airport's runways, aircraft parking areas, and terminal areas.
10-63	Taxiway/Taxilane Safety Area (TSA)	A defined surface alongside the taxiway prepared or suitable for reducing the risk of damage to an aircraft. See the construction safety and phasing plan (CSPP) for limits of the TSA.
10-64	Work	The furnishing of all labor, materials, tools, equipment, and incidentals necessary or convenient to the Contractor's performance of all duties and obligations imposed by the contract, plans, and specifications.
10-65	Working day	A working day shall be any day other than a legal holiday, Saturday, or Sunday on which the normal working forces of the Contractor may proceed with regular work for at least six (6) hours toward completion of the contract. When work is suspended for causes beyond the Contractor's control, it will not be counted as a working day. Saturdays, Sundays and holidays on which the Contractor's forces engage in regular work will be considered as working days.
10-66	Owner Defined terms	None

END OF SECTION 10

Section 20 Proposal Requirements and Conditions

20-01 Advertisement (Notice to Bidders). See Division 0, Section 00010 for the Bid Advertisement

20-02 Qualification of bidders. Each bidder shall submit evidence of competency and evidence of financial responsibility to perform the work to the Owner at the time of bid opening.

Evidence of competency, unless otherwise specified, shall consist of statements covering the bidder's past experience on similar work, and a list of equipment and a list of key personnel that would be available for the work.

Each bidder shall furnish the Owner satisfactory evidence of their financial responsibility. Evidence of financial responsibility, unless otherwise specified, shall consist of a confidential statement or report of the bidder's financial resources and liabilities as of the last calendar year or the bidder's last fiscal year. Such statements or reports shall be certified by a public accountant. At the time of submitting such financial statements or reports, the bidder shall further certify whether their financial responsibility is approximately the same as stated or reported by the public accountant. If the bidder's financial responsibility has changed, the bidder shall qualify the public accountant's statement or report to reflect the bidder's true financial condition at the time such qualified statement or report is submitted to the Owner.

Unless otherwise specified, a bidder may submit evidence that they are prequalified with the State Highway Division and are on the current "bidder's list" of the state in which the proposed work is located. Evidence of State Highway Division prequalification may be submitted as evidence of financial responsibility in lieu of the certified statements or reports specified above.

Each bidder shall submit "evidence of competency" and "evidence of financial responsibility" to the Owner at the time of bid opening.

20-03 Contents of proposal forms. The Owner's proposal forms state the location and description of the proposed construction; the place, date, and time of opening of the proposals; and the estimated quantities of the various items of work to be performed and materials to be furnished for which unit bid prices are asked. The proposal form states the time in which the work must be completed, and the amount of the proposal guaranty that must accompany the proposal. The Owner will accept only those Proposals properly executed on physical forms or electronic forms provided by the Owner. Bidder actions that may cause the Owner to deem a proposal irregular are given in paragraph 20-09 *Irregular proposals*.

A prebid conference is required on this project to discuss as a minimum, the following items: material requirements; submittals; Quality Control/Quality Assurance requirements; the construction safety and phasing plan including airport access and staging areas; and unique airfield paving construction requirements. See Division 0, Section 00010 for the time, date and location for the prebid conference.

20-04 Issuance of proposal forms. The Owner reserves the right to refuse to issue a proposal form to a prospective bidder if the bidder is in default for any of the following reasons:

a. Failure to comply with any prequalification regulations of the Owner, if such regulations are cited, or otherwise included, in the proposal as a requirement for bidding.

b. Failure to pay, or satisfactorily settle, all bills due for labor and materials on former contracts in force with the Owner at the time the Owner issues the proposal to a prospective bidder.

c. Documented record of Contractor default under previous contracts with the Owner.

d. Documented record of unsatisfactory work on previous contracts with the Owner.

20-05 Interpretation of estimated proposal quantities. An estimate of quantities of work to be done and materials to be furnished under these specifications is given in the proposal. It is the result of careful calculations and is believed to be correct. It is given only as a basis for comparison of proposals and the award of the contract. The Owner does not expressly, or by implication, agree that the actual quantities involved will correspond exactly therewith; nor shall the bidder plead misunderstanding or deception because of such estimates of quantities, or of the character, location, or other conditions pertaining to the work. Payment to the Contractor will be made only for the actual quantities of work performed or materials furnished in accordance with the plans and specifications. It is understood that the quantities may be increased or decreased as provided in the Section 40, paragraph 40-02, Alteration of Work and Quantities, without in any way invalidating the unit bid prices.

20-06 Examination of plans, specifications, and site. The bidder is expected to carefully examine the site of the proposed work, the proposal, plans, specifications, and contract forms. Bidders shall satisfy themselves to the character, quality, and quantities of work to be performed, materials to be furnished, and to the requirements of the proposed contract. The submission of a proposal shall be prima facie evidence that the bidder has made such examination and is satisfied to the conditions to be encountered in performing the work and the requirements of the proposed contract, plans, and specifications.

20-07 Preparation of proposal. The bidder shall submit their proposal on the forms furnished by the Owner. All blank spaces in the proposal forms, unless explicitly stated otherwise, must be correctly filled in where indicated for each and every item for which a quantity is given. The bidder shall state the price (written in ink or typed) both in words and numerals which they propose for each pay item furnished in the proposal. In case of conflict between words and numerals, the words, unless obviously incorrect, shall govern.

The bidder shall correctly sign the proposal in ink. If the proposal is made by an individual, their name and post office address must be shown. If made by a partnership, the name and post office address of each member of the partnership must be shown. If made by a corporation, the person signing the proposal shall give the name of the state where the corporation was chartered and the name, titles, and business address of the president, secretary, and the treasurer. Anyone signing a proposal as an agent shall file evidence of their authority to do so and that the signature is binding upon the firm or corporation.

20-08 Responsive and responsible bidder. A responsive bid conforms to all significant terms and conditions contained in the Owner's invitation for bid. It is the Owner's responsibility to decide if the exceptions taken by a bidder to the solicitation are material or not and the extent of deviation it is willing to accept.

A responsible bidder has the ability to perform successfully under the terms and conditions of a proposed procurement, as defined in 2 CFR § 200.318(h). This includes such matters as Contractor integrity, compliance with public policy, record of past performance, and financial and technical resources.

20-09 Irregular proposals. Proposals shall be considered irregular for the following reasons:

a. If the proposal is on a form other than that furnished by the Owner, or if the Owner's form is altered, or if any part of the proposal form is detached.

b. If there are unauthorized additions, conditional or alternate pay items, or irregularities of any kind that make the proposal incomplete, indefinite, or otherwise ambiguous.

c. If the proposal does not contain a unit price for each pay item listed in the proposal, except in the case of authorized alternate pay items, for which the bidder is not required to furnish a unit price.

- d. If the proposal contains unit prices that are obviously unbalanced.
- e. If the proposal is not accompanied by the proposal guaranty specified by the Owner.
- f. If the applicable Disadvantaged Business Enterprise information is incomplete.

The Owner reserves the right to reject any irregular proposal and the right to waive technicalities if such waiver is in the best interest of the Owner and conforms to local laws and ordinances pertaining to the letting of construction contracts.

20-10 Bid guarantee. Each separate proposal shall be accompanied by a bid bond, certified check, or other specified acceptable collateral, in the amount specified in the proposal form. Such bond, check, or collateral, shall be made payable to the Owner.

20-11 Delivery of proposal. Each proposal submitted shall be placed in a sealed envelope plainly marked with the project number, location of airport, and name and business address of the bidder on the outside. When sent by mail, preferably registered, the sealed proposal, marked as indicated above, should be enclosed in an additional envelope. No proposal will be considered unless received at the place specified in the advertisement or as modified by Addendum before the time specified for opening all bids. Proposals received after the bid opening time shall be returned to the bidder unopened.

20-12 Withdrawal or revision of proposals. A bidder may withdraw or revise (by withdrawal of one proposal and submission of another) a proposal provided that the bidder's request for withdrawal is received by the RIAC Office of Procurement in writing before the time specified for opening bids. Revised proposals must be received at the place specified in the advertisement before the time specified for opening all bids.

20-13 Public opening of proposals. Proposals shall be opened, and read, publicly at the time and place specified in the advertisement. Bidders, their authorized agents, and other interested persons are invited to attend. Proposals that have been withdrawn (by written or telegraphic request) or received after the time specified for opening bids shall be returned to the bidder unopened.

20-14 Disqualification of bidders. A bidder shall be considered disqualified for any of the following reasons:

a. Submitting more than one proposal from the same partnership, firm, or corporation under the same or different name.

b. Evidence of collusion among bidders. Bidders participating in such collusion shall be disqualified as bidders for any future work of the Owner until any such participating bidder has been reinstated by the Owner as a qualified bidder.

c. If the bidder is considered to be in "default" for any reason specified in paragraph 20-04, *Issuance of Proposal Forms*, of this section.

20-15 Discrepancies and Omissions. A Bidder who discovers discrepancies or omissions with the project bid documents shall immediately notify the Owner's Engineer of the matter. A bidder that has doubt as to the true meaning of a project requirement may submit to the Owner's Engineer a written request for interpretation no later than the dates outlined in Section 00010.

Any interpretation of the project bid documents by the Owner's Engineer will be by written addendum issued by the Owner. The Owner will not consider any instructions, clarifications or interpretations of the bidding documents in any manner other than written addendum.

END OF SECTION 20

Page Intentionally Blank

Section 30 Award and Execution of Contract

30-01 Consideration of proposals. After the proposals are publicly opened and read, they will be compared on the basis of the summation of the products obtained by multiplying the estimated quantities shown in the proposal by the unit bid prices. If a bidder's proposal contains a discrepancy between unit bid prices written in words and unit bid prices written in numbers, the unit bid price written in words shall govern.

Until the award of a contract is made, the Owner reserves the right to reject a bidder's proposal for any of the following reasons:

a. If the proposal is irregular as specified in Section 20, paragraph 20-09, *Irregular Proposals*.

b. If the bidder is disqualified for any of the reasons specified Section 20, paragraph 20-14, *Disqualification of Bidders*.

In addition, until the award of a contract is made, the Owner reserves the right to reject any or all proposals, waive technicalities, if such waiver is in the best interest of the Owner and is in conformance with applicable state and local laws or regulations pertaining to the letting of construction contracts; advertise for new proposals; or proceed with the work otherwise. All such actions shall promote the Owner's best interests.

30-02 Award of contract. The award of a contract, if it is to be awarded, shall be made within 120 calendar days of the date specified for publicly opening proposals, unless otherwise specified herein.

If the Owner elects to proceed with an award of contract, the Owner will make award to the responsible bidder whose bid, conforming with all the material terms and conditions of the bid documents, is the lowest in price.

30-03 Cancellation of award. The Owner reserves the right to cancel the award without liability to the bidder, except return of proposal guaranty, at any time before a contract has been fully executed by all parties and is approved by the Owner in accordance with paragraph 30-07 *Approval of Contract*.

30-04 Return of proposal guaranty. All proposal guaranties, except those of the two lowest bidders, will be returned immediately after the Owner has made a comparison of bids as specified in the paragraph 30-01, *Consideration of Proposals*. Proposal guaranties of the two lowest bidders will be retained by the Owner until such time as an award is made, at which time, the unsuccessful bidder's proposal guaranty will be returned. The successful bidder's proposal guaranty will be returned as soon as the Owner receives the contract bonds as specified in paragraph 30-05, *Requirements of Contract Bonds*.

30-05 Requirements of contract bonds. At the time of the execution of the contract, the successful bidder shall furnish the Owner a surety bond or bonds that have been fully executed by the bidder and the surety guaranteeing the performance of the work and the payment of all legal debts that may be incurred by reason of the Contractor's performance of the work. The surety and the form of the bond or bonds shall be acceptable to the Owner. Unless otherwise specified in this subsection, the surety bond or bonds shall be in a sum equal to the full amount of the contract.

30-06 Execution of contract. The successful bidder shall sign (execute) the necessary agreements for entering into the contract and return the signed contract to the Owner, along with the fully executed surety bond or bonds specified in paragraph 30-05, *Requirements of Contract Bonds*, of this section, within 15 calendar days from the date mailed or otherwise delivered to the successful bidder.

30-07 Approval of contract. Upon receipt of the contract and contract bond or bonds that have been executed by the successful bidder, the Owner shall complete the execution of the contract in accordance with local laws or ordinances, and return the fully executed contract to the Contractor. Delivery of the fully executed contract to the Contractor shall constitute the Owner's approval to be bound by the successful bidder's proposal and the terms of the contract.

30-08 Failure to execute contract. Failure of the successful bidder to execute the contract and furnish an acceptable surety bond or bonds within the period specified in paragraph 30-06, *Execution of Contract*, of this section shall be just cause for cancellation of the award and forfeiture of the proposal guaranty, not as a penalty, but as liquidated damages to the Owner.

END OF SECTION 30

Page Intentionally Blank

Section 40 Scope of Work

40-01 Intent of contract. The intent of the contract is to provide for construction and completion, in every detail, of the work described. It is further intended that the Contractor shall furnish all labor, materials, equipment, tools, transportation, and supplies required to complete the work in accordance with the plans, specifications, and terms of the contract.

40-02 Alteration of work and quantities. The Owner reserves the right to make such changes in quantities and work as may be necessary or desirable to complete, in a satisfactory manner, the original intended work. Unless otherwise specified in the Contract, the Owner's Engineer or RPR shall be and is hereby authorized to make, in writing, such in-scope alterations in the work and variation of quantities as may be necessary to complete the work, provided such action does not represent a significant change in the character of the work.

For purpose of this section, a significant change in character of work means: any change that is outside the current contract scope of work; any change (increase or decrease) in the total contract cost by more than 25%; or any change in the total cost of a major contract item by more than 25%.

Work alterations and quantity variances that do not meet the definition of significant change in character of work shall not invalidate the contract nor release the surety. Contractor agrees to accept payment for such work alterations and quantity variances in accordance with Section 90, paragraph 90-03, *Compensation for Altered Quantities*.

Should the value of altered work or quantity variance meet the criteria for significant change in character of work, such altered work and quantity variance shall be covered by a supplemental agreement. Supplemental agreements shall also require consent of the Contractor's surety and separate performance and payment bonds. If the Owner and the Contractor are unable to agree on a unit adjustment for any contract item that requires a supplemental agreement, the Owner reserves the right to terminate the contract with respect to the item and make other arrangements for its completion.

40-03 Omitted items. The Owner, the Owner's Engineer or the RPR may provide written notice to the Contractor to omit from the work any contract item that does not meet the definition of major contract item. Major contract items may be omitted by a supplemental agreement. Such omission of contract items shall not invalidate any other contract provision or requirement.

Should a contract item be omitted or otherwise ordered to be non-performed, the Contractor shall be paid for all work performed toward completion of such item prior to the date of the order to omit such item. Payment for work performed shall be in accordance with Section 90, paragraph 90-04, *Payment for Omitted Items*.

40-04 Extra work. Should acceptable completion of the contract require the Contractor to perform an item of work not provided for in the awarded contract as previously modified by change order or supplemental agreement, Owner may issue a Change Order to cover the necessary extra work. Change orders for extra work shall contain agreed unit prices for performing the change order work in accordance with the requirements specified in the order, and shall contain any adjustment to the contract time that, in the RPR's opinion, is necessary for completion of the extra work.

When determined by the RPR to be in the Owner's best interest, the RPR may order the Contractor to proceed with extra work as provided in Section 90, paragraph 90-05, *Payment for Extra Work*. Extra work

that is necessary for acceptable completion of the project, but is not within the general scope of the work covered by the original contract shall be covered by a supplemental agreement as defined in Section 10, paragraph 10-59, *Supplemental Agreement*.

If extra work is essential to maintaining the project critical path, RPR may order the Contractor to commence the extra work under a Time and Material contract method. Once sufficient detail is available to establish the level of effort necessary for the extra work, the Owner shall initiate a change order or supplemental agreement to cover the extra work.

Any claim for payment of extra work that is not covered by written agreement (change order or supplemental agreement) shall be rejected by the Owner.

40-05 Maintenance of traffic. It is the explicit intention of the contract that the safety of aircraft, as well as the Contractor's equipment and personnel, is the most important consideration. The Contractor shall maintain traffic in the manner detailed in the Construction Safety and Phasing Plan (CSPP).

a. It is understood and agreed that the Contractor shall provide for the free and unobstructed movement of aircraft in the air operations areas (AOAs) of the airport with respect to their own operations and the operations of all subcontractors as specified in Section 80, paragraph 80-04, *Limitation of Operations*. It is further understood and agreed that the Contractor shall provide for the uninterrupted operation of visual and electronic signals (including power supplies thereto) used in the guidance of aircraft while operating to, from, and upon the airport as specified in Section 70, paragraph 70-15, *Contractor's Responsibility for Utility Service and Facilities of Others*.

b. With respect to their own operations and the operations of all subcontractors, the Contractor shall provide marking, lighting, and other acceptable means of identifying personnel, equipment, vehicles, storage areas, and any work area or condition that may be hazardous to the operation of aircraft, fire-rescue equipment, or maintenance vehicles at the airport in accordance with the construction safety and phasing plan (CSPP) and the safety plan compliance document (SPCD).

c. When the contract requires the maintenance of an existing road, street, or highway during the Contractor's performance of work that is otherwise provided for in the contract, plans, and specifications, the Contractor shall keep the road, street, or highway open to all traffic and shall provide maintenance as may be required to accommodate traffic. The Contractor, at their expense, shall be responsible for the repair to equal or better than preconstruction conditions of any damage caused by the Contractor's equipment and personnel. The Contractor shall furnish, erect, and maintain barricades, warning signs, flag person, and other traffic control devices in reasonable conformity with the Manual on Uniform Traffic Control Devices (MUTCD) (<http://mutcd.fhwa.dot.gov/>), unless otherwise specified. The Contractor shall also construct and maintain in a safe condition any temporary connections necessary for ingress to and egress from abutting property or intersecting roads, streets or highways. Unless otherwise specified herein, the Contractor will not be required to furnish snow removal for such existing road, street, or highway.

40-06 Removal of existing structures. All existing structures encountered within the established lines, grades, or grading sections shall be removed by the Contractor, unless such existing structures are otherwise specified to be relocated, adjusted up or down, salvaged, abandoned in place, reused in the work or to remain in place. The cost of removing such existing structures shall not be measured or paid for directly, but shall be included in the various contract items.

Should the Contractor encounter an existing structure (above or below ground) in the work for which the disposition is not indicated on the plans, the Resident Project Representative (RPR) shall be notified prior to disturbing such structure. The disposition of existing structures so encountered shall be immediately determined by the RPR in accordance with the provisions of the contract.

Except as provided in Section 40, paragraph 40-07, *Rights in and Use of Materials Found in the Work*, it is intended that all existing materials or structures that may be encountered (within the lines, grades, or grading sections established for completion of the work) shall be used in the work as otherwise provided for in the contract and shall remain the property of the Owner when so used in the work.

40-07 Rights in and use of materials found in the work. Should the Contractor encounter any material such as (but not restricted to) sand, stone, gravel, slag, or concrete slabs within the established lines, grades, or grading sections, the use of which is intended by the terms of the contract to be embankment, the Contractor may at their own option either:

- a. Use such material in another contract item, providing such use is approved by the RPR and is in conformance with the contract specifications applicable to such use; or,
- b. Remove such material from the site, upon written approval of the RPR; or
- c. Use such material for the Contractor's own temporary construction on site; or,
- d. Use such material as intended by the terms of the contract.

Should the Contractor wish to exercise option a., b., or c., the Contractor shall request the RPR's approval in advance of such use.

Should the RPR approve the Contractor's request to exercise option a., b., or c., the Contractor shall be paid for the excavation or removal of such material at the applicable contract price. The Contractor shall replace, at their expense, such removed or excavated material with an agreed equal volume of material that is acceptable for use in constructing embankment, backfills, or otherwise to the extent that such replacement material is needed to complete the contract work. The Contractor shall not be charged for use of such material used in the work or removed from the site.

Should the RPR approve the Contractor's exercise of option a., the Contractor shall be paid, at the applicable contract price, for furnishing and installing such material in accordance with requirements of the contract item in which the material is used.

It is understood and agreed that the Contractor shall make no claim for delays by reason of their own exercise of option a., b., or c.

The Contractor shall not excavate, remove, or otherwise disturb any material, structure, or part of a structure which is located outside the lines, grades, or grading sections established for the work, except where such excavation or removal is provided for in the contract, plans, or specifications.

40-08 Final cleanup. Upon completion of the work and before acceptance and final payment will be made, the Contractor shall remove from the site all machinery, equipment, surplus and discarded materials, rubbish, temporary structures, and stumps or portions of trees. The Contractor shall cut all brush and woods within the limits indicated and shall leave the site in a neat and presentable condition. Material cleared from the site and deposited on adjacent property will not be considered as having been disposed of satisfactorily, unless the Contractor has obtained the written permission of the property Owner.

END OF SECTION 40

Section 50 Control of Work

50-01 Authority of the Resident Project Representative (RPR). The RPR has final authority regarding the interpretation of project specification requirements. The RPR shall determine acceptability of the quality of materials furnished, method of performance of work performed, and the manner and rate of performance of the work. The RPR does not have the authority to accept work that does not conform to specification requirements.

50-02 Conformity with plans and specifications. All work and all materials furnished shall be in reasonably close conformity with the lines, grades, grading sections, cross-sections, dimensions, material requirements, and testing requirements that are specified (including specified tolerances) in the contract, plans, or specifications.

If the RPR finds the materials furnished, work performed, or the finished product not within reasonably close conformity with the plans and specifications, but that the portion of the work affected will, in their opinion, result in a finished product having a level of safety, economy, durability, and workmanship acceptable to the Owner, the RPR will advise the Owner of their determination that the affected work be accepted and remain in place. The RPR will document the determination and recommend to the Owner a basis of acceptance that will provide for an adjustment in the contract price for the affected portion of the work. Changes in the contract price must be covered by contract change order or supplemental agreement as applicable.

If the RPR finds the materials furnished, work performed, or the finished product are not in reasonably close conformity with the plans and specifications and have resulted in an unacceptable finished product, the affected work or materials shall be removed and replaced or otherwise corrected by and at the expense of the Contractor in accordance with the RPR's written orders.

The term "reasonably close conformity" shall not be construed as waiving the Contractor's responsibility to complete the work in accordance with the contract, plans, and specifications. The term shall not be construed as waiving the RPR's responsibility to insist on strict compliance with the requirements of the contract, plans, and specifications during the Contractor's execution of the work, when, in the RPR's opinion, such compliance is essential to provide an acceptable finished portion of the work.

The term "reasonably close conformity" is also intended to provide the RPR with the authority, after consultation with the Sponsor and FAA, to use sound engineering judgment in their determinations to accept work that is not in strict conformity, but will provide a finished product equal to or better than that required by the requirements of the contract, plans and specifications.

The RPR will not be responsible for the Contractor's means, methods, techniques, sequences, or procedures of construction or the safety precautions incident thereto.

50-03 Coordination of contract, plans, and specifications. The contract, plans, specifications, and all referenced standards cited are essential parts of the contract requirements. If electronic files are provided and used on the project and there is a conflict between the electronic files and hard copy plans, the hard copy plans shall govern. A requirement occurring in one is as binding as though occurring in all. They are intended to be complementary and to describe and provide for a complete work. In case of discrepancy, calculated dimensions will govern over scaled dimensions; contract technical specifications shall govern over contract general provisions, plans, cited standards for materials or testing, and cited advisory circulars (ACs); contract general provisions shall govern over plans, cited standards for materials

or testing, and cited ACs; plans shall govern over cited standards for materials or testing and cited ACs. If any paragraphs contained in the Special Provisions conflict with General Provisions or Technical Specifications, the Special Provisions shall govern.

From time to time, discrepancies within cited testing standards occur due to the timing of the change, edits, and/or replacement of the standards. If the Contractor discovers any apparent discrepancy within standard test methods, the Contractor shall immediately ask the RPR for an interpretation and decision, and such decision shall be final.

The Contractor shall not take advantage of any apparent error or omission on the plans or specifications. In the event the Contractor discovers any apparent error or discrepancy, Contractor shall immediately notify the Owner or the designated representative in writing requesting their written interpretation and decision.

50-04 List of Special Provisions. None

50-05 Cooperation of Contractor. The Contractor shall be supplied with an electronic PDF of the plans and specifications. The Contractor shall have available on the construction site at all times one hard copy each of the plans, specifications, and approved submittals. Additional hard copies of plans and specifications may be obtained by the Contractor for the cost of reproduction.

The Contractor shall give constant attention to the work to facilitate the progress thereof, and shall cooperate with the RPR and their inspectors and with other Contractors in every way possible. The Contractor shall have a competent superintendent on the work at all times who is fully authorized as their agent on the work. The superintendent shall be capable of reading and thoroughly understanding the plans and specifications and shall receive and fulfill instructions from the RPR or their authorized representative.

50-06 Cooperation between Contractors. The Owner reserves the right to contract for and perform other or additional work on or near the work covered by this contract.

When separate contracts are let within the limits of any one project, each Contractor shall conduct the work not to interfere with or hinder the progress of completion of the work being performed by other Contractors. Contractors working on the same project shall cooperate with each other as directed.

Each Contractor involved shall assume all liability, financial or otherwise, in connection with their own contract and shall protect and hold harmless the Owner from any and all damages or claims that may arise because of inconvenience, delays, or loss experienced because of the presence and operations of other Contractors working within the limits of the same project.

The Contractor shall arrange their work and shall place and dispose of the materials being used to not interfere with the operations of the other Contractors within the limits of the same project. The Contractor shall join their work with that of the others in an acceptable manner and shall perform it in proper sequence to that of the others.

50-08 Authority and duties of Quality Assurance (QA) inspectors. QA inspectors shall be authorized to inspect all work done and all material furnished. Such QA inspection may extend to all or any part of the work and to the preparation, fabrication, or manufacture of the materials to be used. QA inspectors are not authorized to revoke, alter, or waive any provision of the contract. QA inspectors are not authorized to issue instructions contrary to the plans and specifications or to act as foreman for the Contractor.

QA Inspectors are authorized to notify the Contractor or their representatives of any failure of the work or materials to conform to the requirements of the contract, plans, or specifications and to reject such nonconforming materials in question until such issues can be referred to the RPR for a decision.

50-09 Inspection of the work. All materials and each part or detail of the work shall be subject to inspection. The RPR shall be allowed access to all parts of the work and shall be furnished with such information and assistance by the Contractor as is required to make a complete and detailed inspection.

If the RPR requests it, the Contractor, at any time before acceptance of the work, shall remove or uncover such portions of the finished work as may be directed. After examination, the Contractor shall restore said portions of the work to the standard required by the specifications. Should the work thus exposed or examined prove acceptable, the uncovering, or removing, and the replacing of the covering or making good of the parts removed will be paid for as extra work; but should the work so exposed or examined prove unacceptable, the uncovering, or removing, and the replacing of the covering or making good of the parts removed will be at the Contractor's expense.

Provide advance written notice to the RPR of work the Contractor plans to perform each week and each day. Any work done or materials used without written notice and allowing opportunity for inspection by the RPR may be ordered removed and replaced at the Contractor's expense.

Should the contract work include relocation, adjustment, or any other modification to existing facilities, not the property of the (contract) Owner, authorized representatives of the Owners of such facilities shall have the right to inspect such work. Such inspection shall in no sense make any facility owner a party to the contract, and shall in no way interfere with the rights of the parties to this contract.

50-10 Removal of unacceptable and unauthorized work. All work that does not conform to the requirements of the contract, plans, and specifications will be considered unacceptable, unless otherwise determined acceptable by the RPR as provided in paragraph 50-02, *Conformity with Plans and Specifications*.

Unacceptable work, whether the result of poor workmanship, use of defective materials, damage through carelessness, or any other cause found to exist prior to the final acceptance of the work, shall be removed immediately and replaced in an acceptable manner in accordance with the provisions of Section 70, paragraph 70-14, *Contractor's Responsibility for Work*.

No removal work made under provision of this paragraph shall be done without lines and grades having been established by the RPR. Work done contrary to the instructions of the RPR, work done beyond the lines shown on the plans or as established by the RPR, except as herein specified, or any extra work done without authority, will be considered as unauthorized and will not be paid for under the provisions of the contract. Work so done may be ordered removed or replaced at the Contractor's expense.

Upon failure on the part of the Contractor to comply with any order of the RPR made under the provisions of this subsection, the RPR will have authority to cause unacceptable work to be remedied or removed and replaced; and unauthorized work to be removed and recover the resulting costs as a liquidated damage against the Contractor.

50-11 Load restrictions. The Contractor shall comply with all legal load restrictions in the hauling of materials on public roads beyond the limits of the work. A special permit will not relieve the Contractor of liability for damage that may result from the moving of material or equipment.

The operation of equipment of such weight or so loaded as to cause damage to structures or to any other type of construction will not be permitted. Hauling of materials over the base course or surface course under construction shall be limited as directed. No loads will be permitted on a concrete pavement, base, or structure before the expiration of the curing period. The Contractor, at their own expense, shall be responsible for the repair to equal or better than preconstruction conditions of any damage caused by the Contractor's equipment and personnel.

50-12 Maintenance during construction. The Contractor shall maintain the work during construction and until the work is accepted. Maintenance shall constitute continuous and effective work prosecuted

day by day, with adequate equipment and forces so that the work is maintained in satisfactory condition at all times.

In the case of a contract for the placing of a course upon a course or subgrade previously constructed, the Contractor shall maintain the previous course or subgrade during all construction operations.

All costs of maintenance work during construction and before the project is accepted shall be included in the unit prices bid on the various contract items, and the Contractor will not be paid an additional amount for such work.

50-13 Failure to maintain the work. Should the Contractor at any time fail to maintain the work as provided in paragraph 50-12, *Maintenance during Construction*, the RPR shall immediately notify the Contractor of such noncompliance. Such notification shall specify a reasonable time within which the Contractor shall be required to remedy such unsatisfactory maintenance condition. The time specified will give due consideration to the exigency that exists.

Should the Contractor fail to respond to the RPR's notification, the Owner may suspend any work necessary for the Owner to correct such unsatisfactory maintenance condition, depending on the exigency that exists. Any maintenance cost incurred by the Owner, shall be recovered as a liquidated damage against the Contractor.

50-14 Partial acceptance. If at any time during the execution of the project the Contractor substantially completes a usable unit or portion of the work, the occupancy of which will benefit the Owner, the Contractor may request the RPR to make final inspection of that unit. If the RPR finds upon inspection that the unit has been satisfactorily completed in compliance with the contract, the RPR may accept it as being complete, and the Contractor may be relieved of further responsibility for that unit. Such partial acceptance and beneficial occupancy by the Owner shall not void or alter any provision of the contract.

50-15 Final acceptance. Upon due notice from the Contractor of presumptive completion of the entire project, the RPR and Owner will make an inspection. If all construction provided for and contemplated by the contract is found to be complete in accordance with the contract, plans, and specifications, such inspection shall constitute the final inspection. The RPR shall notify the Contractor in writing of final acceptance as of the date of the final inspection.

If, however, the inspection discloses any work, in whole or in part, as being unsatisfactory, the RPR will notify the Contractor and the Contractor shall correct the unsatisfactory work. Upon correction of the work, another inspection will be made which shall constitute the final inspection, provided the work has been satisfactorily completed. In such event, the RPR will make the final acceptance and notify the Contractor in writing of this acceptance as of the date of final inspection.

50-16 Claims for adjustment and disputes. If for any reason the Contractor deems that additional compensation is due for work or materials not clearly provided for in the contract, plans, or specifications or previously authorized as extra work, the Contractor shall notify the RPR in writing of their intention to claim such additional compensation before the Contractor begins the work on which the Contractor bases the claim. If such notification is not given or the RPR is not afforded proper opportunity by the Contractor for keeping strict account of actual cost as required, then the Contractor hereby agrees to waive any claim for such additional compensation. Such notice by the Contractor and the fact that the RPR has kept account of the cost of the work shall not in any way be construed as proving or substantiating the validity of the claim. When the work on which the claim for additional compensation is based has been completed, the Contractor shall, within 10 calendar days, submit a written claim to the RPR who will present it to the Owner for consideration in accordance with local laws or ordinances.

Nothing in this subsection shall be construed as a waiver of the Contractor's right to dispute final payment based on differences in measurements or computations.

END OF SECTION 50

Section 60 Control of Materials

60-01 Source of supply and quality requirements. The materials used in the work shall conform to the requirements of the contract, plans, and specifications. Unless otherwise specified, such materials that are manufactured or processed shall be new (as compared to used or reprocessed).

In order to expedite the inspection and testing of materials, the Contractor shall furnish documentation to the RPR as to the origin, composition, and manufacture of all materials to be used in the work. Documentation shall be furnished promptly after execution of the contract but, in all cases, prior to delivery of such materials.

At the RPR's option, materials may be approved at the source of supply before delivery. If it is found after trial that sources of supply for previously approved materials do not produce specified products, the Contractor shall furnish materials from other sources.

The Contractor shall furnish airport lighting equipment that meets the requirements of the specifications; and is listed in AC 150/5345-53, *Airport Lighting Equipment Certification Program and Addendum*, that is in effect on the date of advertisement.

60-02 Samples, tests, and cited specifications. All materials used in the work shall be inspected, tested, and approved by the RPR before incorporation in the work unless otherwise designated. Any work in which untested materials are used without approval or written permission of the RPR shall be performed at the Contractor's risk. Materials found to be unacceptable and unauthorized will not be paid for and, if directed by the RPR, shall be removed at the Contractor's expense.

Unless otherwise designated, quality assurance tests will be made by and at the expense of the Owner in accordance with the cited standard methods of ASTM, American Association of State Highway and Transportation Officials (AASHTO), federal specifications, Commercial Item Descriptions, and all other cited methods, which are current on the date of advertisement for bids.

The testing organizations performing on-site quality assurance field tests shall have copies of all referenced standards on the construction site for use by all technicians and other personnel. Unless otherwise designated, samples for quality assurance will be taken by a qualified representative of the RPR. All materials being used are subject to inspection, test, or rejection at any time prior to or during incorporation into the work. Copies of all tests will be furnished to the Contractor's representative at their request after review and approval of the RPR.

A copy of all Contractor QC test data shall be provided to the RPR daily, along with printed reports, in an approved format, on a weekly basis. After completion of the project, and prior to final payment, the Contractor shall submit a final report to the RPR showing all test data reports, plus an analysis of all results showing ranges, averages, and corrective action taken on all failing tests.

The Contractor shall employ a Quality Control (QC) testing organization to perform all Contractor required QC tests in accordance with Item C-100 Contractor Quality Control Program (CQCP).

All test data shall be furnished to the RPR in electronic PDF format.

60-03 Certification of compliance/analysis (COC/COA). The RPR may permit the use, prior to sampling and testing, of certain materials or assemblies when accompanied by manufacturer's COC stating that such materials or assemblies fully comply with the requirements of the contract. The

certificate shall be signed by the manufacturer. Each lot of such materials or assemblies delivered to the work must be accompanied by a certificate of compliance in which the lot is clearly identified. The COA is the manufacturer's COC and includes all applicable test results.

Materials or assemblies used on the basis of certificates of compliance may be sampled and tested at any time and if found not to be in conformity with contract requirements will be subject to rejection whether in place or not.

The form and distribution of certificates of compliance shall be as approved by the RPR.

When a material or assembly is specified by "brand name or equal" and the Contractor elects to furnish the specified "or equal," the Contractor shall be required to furnish the manufacturer's certificate of compliance for each lot of such material or assembly delivered to the work. Such certificate of compliance shall clearly identify each lot delivered and shall certify as to:

- a. Conformance to the specified performance, testing, quality or dimensional requirements; and,
- b. Suitability of the material or assembly for the use intended in the contract work.

The RPR shall be the sole judge as to whether the proposed "or equal" is suitable for use in the work.

The RPR reserves the right to refuse permission for use of materials or assemblies on the basis of certificates of compliance.

60-04 Plant inspection. The RPR or their authorized representative may inspect, at its source, any specified material or assembly to be used in the work. Manufacturing plants may be inspected from time to time for the purpose of determining compliance with specified manufacturing methods or materials to be used in the work and to obtain samples required for acceptance of the material or assembly.

Should the RPR conduct plant inspections, the following conditions shall exist:

- a. The RPR shall have the cooperation and assistance of the Contractor and the producer with whom the Contractor has contracted for materials.
- b. The RPR shall have full entry at all reasonable times to such parts of the plant that concern the manufacture or production of the materials being furnished.
- c. If required by the RPR, the Contractor shall arrange for adequate office or working space that may be reasonably needed for conducting plant inspections. Place office or working space in a convenient location with respect to the plant.

It is understood and agreed that the Owner shall have the right to retest any material that has been tested and approved at the source of supply after it has been delivered to the site. The RPR shall have the right to reject only material which, when retested, does not meet the requirements of the contract, plans, or specifications.

60-05 Engineer/ Resident Project Representative (RPR) field office. An Engineer/RPR field office is not required.

60-06 Storage of materials. Materials shall be stored to assure the preservation of their quality and fitness for the work. Stored materials, even though approved before storage, may again be inspected prior to their use in the work. Stored materials shall be located to facilitate their prompt inspection. The Contractor shall coordinate the storage of all materials with the RPR. Materials to be stored on airport property shall not create an obstruction to air navigation nor shall they interfere with the free and unobstructed movement of aircraft. Unless otherwise shown on the plans and/or CSPP, the storage of materials and the location of the Contractor's plant and parked equipment or vehicles shall be as directed by the RPR. Private property shall not be used for storage purposes without written permission of the

Owner or lessee of such property. The Contractor shall make all arrangements and bear all expenses for the storage of materials on private property. Upon request, the Contractor shall furnish the RPR a copy of the property Owner's permission.

All storage sites on private or airport property shall be restored to their original condition by the Contractor at their expense, except as otherwise agreed to (in writing) by the Owner or lessee of the property.

60-07 Unacceptable materials. Any material or assembly that does not conform to the requirements of the contract, plans, or specifications shall be considered unacceptable and shall be rejected. The Contractor shall remove any rejected material or assembly from the site of the work, unless otherwise instructed by the RPR.

Rejected material or assembly, the defects of which have been corrected by the Contractor, shall not be returned to the site of the work until such time as the RPR has approved its use in the work.

60-08 Owner furnished materials. The Contractor shall furnish all materials required to complete the work, except those specified, if any, to be furnished by the Owner. Owner-furnished materials shall be made available to the Contractor at the location specified.

All costs of handling, transportation from the specified location to the site of work, storage, and installing Owner-furnished materials shall be included in the unit price bid for the contract item in which such Owner-furnished material is used.

After any Owner-furnished material has been delivered to the location specified, the Contractor shall be responsible for any demurrage, damage, loss, or other deficiencies that may occur during the Contractor's handling, storage, or use of such Owner-furnished material. The Owner will deduct from any monies due or to become due the Contractor any cost incurred by the Owner in making good such loss due to the Contractor's handling, storage, or use of Owner-furnished materials.

END OF SECTION 60

Section 70 Legal Regulations and Responsibility to Public

70-01 Laws to be observed. The Contractor shall keep fully informed of all federal and state laws, all local laws, ordinances, and regulations and all orders and decrees of bodies or tribunals having any jurisdiction or authority, which in any manner affect those engaged or employed on the work, or which in any way affect the conduct of the work. The Contractor shall at all times observe and comply with all such laws, ordinances, regulations, orders, and decrees; and shall protect and indemnify the Owner and all their officers, agents, or servants against any claim or liability arising from or based on the violation of any such law, ordinance, regulation, order, or decree, whether by the Contractor or the Contractor's employees.

70-02 Permits, licenses, and taxes. The Contractor shall procure all permits and licenses, pay all charges, fees, and taxes, and give all notices necessary and incidental to the due and lawful execution of the work.

70-03 Patented devices, materials, and processes. If the Contractor is required or desires to use any design, device, material, or process covered by letters of patent or copyright, the Contractor shall provide for such use by suitable legal agreement with the Patentee or Owner. The Contractor and the surety shall indemnify and hold harmless the Owner, any third party, or political subdivision from any and all claims for infringement by reason of the use of any such patented design, device, material or process, or any trademark or copyright, and shall indemnify the Owner for any costs, expenses, and damages which it may be obliged to pay by reason of an infringement, at any time during the execution or after the completion of the work.

70-04 Restoration of surfaces disturbed by others. The Owner reserves the right to authorize the construction, reconstruction, or maintenance of any public or private utility service, FAA or National Oceanic and Atmospheric Administration (NOAA) facility, or a utility service of another government agency at any time during the progress of the work. To the extent that such construction, reconstruction, or maintenance has been coordinated with the Owner, such authorized work (by others) must be shown on the plans and is indicated as follows: There are FAA cables within the project limits. See Section 70-15 for contact information.

Except as listed above, the Contractor shall not permit any individual, firm, or corporation to excavate or otherwise disturb such utility services or facilities located within the limits of the work without the written permission of the RPR.

Should the Owner of public or private utility service, FAA, or NOAA facility, or a utility service of another government agency be authorized to construct, reconstruct, or maintain such utility service or facility during the progress of the work, the Contractor shall cooperate with such Owners by arranging and performing the work in this contract to facilitate such construction, reconstruction or maintenance by others whether or not such work by others is listed above. When ordered as extra work by the RPR, the Contractor shall make all necessary repairs to the work which are due to such authorized work by others, unless otherwise provided for in the contract, plans, or specifications. It is understood and agreed that the Contractor shall not be entitled to make any claim for damages due to such authorized work by others or for any delay to the work resulting from such authorized work.

70-05 Federal Participation. The United States Government has agreed to reimburse the Owner for some portion of the contract costs. The contract work is subject to the inspection and approval of duly authorized representatives of the FAA Administrator. No requirement of this contract shall be construed

as making the United States a party to the contract nor will any such requirement interfere, in any way, with the rights of either party to the contract.

70-06 Sanitary, health, and safety provisions. The Contractor's worksite and facilities shall comply with applicable federal, state, and local requirements for health, safety and sanitary provisions.

70-07 Public convenience and safety. The Contractor shall control their operations and those of their subcontractors and all suppliers, to assure the least inconvenience to the traveling public. Under all circumstances, safety shall be the most important consideration.

The Contractor shall maintain the free and unobstructed movement of aircraft and vehicular traffic with respect to their own operations and those of their own subcontractors and all suppliers in accordance with Section 40, paragraph 40-05, *Maintenance of Traffic*, and shall limit such operations for the convenience and safety of the traveling public as specified in Section 80, paragraph 80-04, *Limitation of Operations*.

The Contractor shall remove or control debris and rubbish resulting from its work operations at frequent intervals, and upon the order of the RPR. If the RPR determines the existence of Contractor debris in the work site represents a hazard to airport operations and the Contractor is unable to respond in a prompt and reasonable manner, the RPR reserves the right to assign the task of debris removal to a third party and recover the resulting costs as a liquidated damage against the Contractor.

70-08 Construction Safety and Phasing Plan (CSPP). The Contractor shall complete the work in accordance with the approved Construction Safety and Phasing Plan (CSPP) developed in accordance with AC 150/5370-2, Operational Safety on Airports During Construction. The CSPP is included as Attachment A to Section 70.

70-09 Use of explosives. The use of explosives is not permitted on this project.

70-10 Protection and restoration of property and landscape. The Contractor shall be responsible for the preservation of all public and private property, and shall protect carefully from disturbance or damage all land monuments and property markers until the Engineer/RPR has witnessed or otherwise referenced their location and shall not move them until directed.

The Contractor shall be responsible for all damage or injury to property of any character, during the execution of the work, resulting from any act, omission, neglect, or misconduct in manner or method of executing the work, or at any time due to defective work or materials, and said responsibility shall not be released until the project has been completed and accepted.

When or where any direct or indirect damage or injury is done to public or private property by or on account of any act, omission, neglect, or misconduct in the execution of the work, or in consequence of the non-execution thereof by the Contractor, the Contractor shall restore, at their expense, such property to a condition similar or equal to that existing before such damage or injury was done, by repairing, or otherwise restoring as may be directed, or the Contractor shall make good such damage or injury in an acceptable manner.

70-11 Responsibility for damage claims. The Contractor shall indemnify and hold harmless the Engineer/RPR and the Owner and their officers, agents, and employees from all suits, actions, or claims, of any character, brought because of any injuries or damage received or sustained by any person, persons, or property on account of the operations of the Contractor; or on account of or in consequence of any neglect in safeguarding the work; or through use of unacceptable materials in constructing the work; or because of any act or omission, neglect, or misconduct of said Contractor; or because of any claims or amounts recovered from any infringements of patent, trademark, or copyright; or from any claims or amounts arising or recovered under the "Workmen's Compensation Act," or any other law, ordinance, order, or decree. Money due the Contractor under and by virtue of their own contract considered necessary by the Owner for such purpose may be retained for the use of the Owner or, in case no money

is due, their own surety may be held until such suits, actions, or claims for injuries or damages shall have been settled and suitable evidence to that effect furnished to the Owner, except that money due the Contractor will not be withheld when the Contractor produces satisfactory evidence that he or she is adequately protected by public liability and property damage insurance.

70-12 Third party beneficiary clause. It is specifically agreed between the parties executing the contract that it is not intended by any of the provisions of any part of the contract to create for the public or any member thereof, a third-party beneficiary or to authorize anyone not a party to the contract to maintain a suit for personal injuries or property damage pursuant to the terms or provisions of the contract.

70-13 Opening sections of the work to traffic. If it is necessary for the Contractor to complete portions of the contract work for the beneficial occupancy of the Owner prior to completion of the entire contract, such “phasing” of the work must be specified below and indicated on the approved Construction Safety and Phasing Plan (CSPP) and the project plans. When so specified, the Contractor shall complete such portions of the work on or before the date specified or as otherwise specified.

Upon completion of any portion of work listed above, such portion shall be accepted by the Owner in accordance with Section 50, paragraph 50-14, *Partial Acceptance*.

No portion of the work may be opened by the Contractor until directed by the Owner in writing. Should it become necessary to open a portion of the work to traffic on a temporary or intermittent basis, such openings shall be made when, in the opinion of the RPR, such portion of the work is in an acceptable condition to support the intended traffic. Temporary or intermittent openings are considered to be inherent in the work and shall not constitute either acceptance of the portion of the work so opened or a waiver of any provision of the contract. Any damage to the portion of the work so opened that is not attributable to traffic which is permitted by the Owner shall be repaired by the Contractor at their expense.

The Contractor shall make their own estimate of the inherent difficulties involved in completing the work under the conditions herein described and shall not claim any added compensation by reason of delay or increased cost due to opening a portion of the contract work.

The Contractor must conform to safety standards contained AC 150/5370-2 and the approved CSPP.

Contractor shall refer to the plans, specifications, and the approved CSPP to identify barricade requirements, temporary and/or permanent markings, airfield lighting, guidance signs and other safety requirements prior to opening up sections of work to traffic.

70-14 Contractor’s responsibility for work. Until the RPR’s final written acceptance of the entire completed work, excepting only those portions of the work accepted in accordance with Section 50, paragraph 50-14, *Partial Acceptance*, the Contractor shall have the charge and care thereof and shall take every precaution against injury or damage to any part due to the action of the elements or from any other cause, whether arising from the execution or from the non-execution of the work. The Contractor shall rebuild, repair, restore, and make good all injuries or damages to any portion of the work occasioned by any of the above causes before final acceptance and shall bear the expense thereof except damage to the work due to unforeseeable causes beyond the control of and without the fault or negligence of the Contractor, including but not restricted to acts of God such as earthquake, tidal wave, tornado, hurricane or other cataclysmic phenomenon of nature, or acts of the public enemy or of government authorities.

If the work is suspended for any cause whatever, the Contractor shall be responsible for the work and shall take such precautions necessary to prevent damage to the work. The Contractor shall provide for normal drainage and shall erect necessary temporary structures, signs, or other facilities at their own expense. During such period of suspension of work, the Contractor shall properly and continuously maintain in an acceptable growing condition all living material in newly established planting, seeding,

and sodding furnished under the contract, and shall take adequate precautions to protect new tree growth and other important vegetative growth against injury.

70-15 Contractor's responsibility for utility service and facilities of others. As provided in paragraph 70-04, *Restoration of Surfaces Disturbed by Others*, the Contractor shall cooperate with the owner of any public or private utility service, FAA or NOAA, or a utility service of another government agency that may be authorized by the Owner to construct, reconstruct or maintain such utility services or facilities during the progress of the work. In addition, the Contractor shall control their operations to prevent the unscheduled interruption of such utility services and facilities.

To the extent that such public or private utility services, FAA, or NOAA facilities, or utility services of another governmental agency are known to exist within the limits of the contract work, the approximate locations have been indicated on the plans and/or in the contract documents.

Donald Wallace
FAA Technical Operations, Providence SSC
Tel: 401-734-2902

James Toomey
FAA Technical Operations, Manager Providence SSC
Tel: 401-734-2901

It is understood and agreed that the Owner does not guarantee the accuracy or the completeness of the location information relating to existing utility services, facilities, or structures that may be shown on the plans or encountered in the work. Any inaccuracy or omission in such information shall not relieve the Contractor of the responsibility to protect such existing features from damage or unscheduled interruption of service.

It is further understood and agreed that the Contractor shall, upon execution of the contract, notify the Owners of all utility services or other facilities of their plan of operations. Such notification shall be in writing addressed to "The Person to Contact" as provided in this paragraph and paragraph 70-04, *Restoration of Surfaces Disturbed By Others*. A copy of each notification shall be given to the RPR.

In addition to the general written notification provided, it shall be the responsibility of the Contractor to keep such individual Owners advised of changes in their plan of operations that would affect such Owners.

Prior to beginning the work in the general vicinity of an existing utility service or facility, the Contractor shall again notify each such Owner of their plan of operation. If, in the Contractor's opinion, the Owner's assistance is needed to locate the utility service or facility or the presence of a representative of the Owner is desirable to observe the work, such advice should be included in the notification. Such notification shall be given by the most expeditious means to reach the utility owner's "Person to Contact" no later than two normal business days prior to the Contractor's commencement of operations in such general vicinity. The Contractor shall furnish a written summary of the notification to the RPR.

The Contractor's failure to give the two days' notice shall be cause for the Owner to suspend the Contractor's operations in the general vicinity of a utility service or facility.

Where the outside limits of an underground utility service have been located and staked on the ground, the Contractor shall be required to use hand excavation methods within 3 feet (1 m) of such outside limits at such points as may be required to ensure protection from damage due to the Contractor's operations.

Should the Contractor damage or interrupt the operation of a utility service or facility by accident or otherwise, the Contractor shall immediately notify the proper authority and the RPR and shall take all reasonable measures to prevent further damage or interruption of service. The Contractor, in such events,

shall cooperate with the utility service or facility owner and the RPR continuously until such damage has been repaired and service restored to the satisfaction of the utility or facility owner.

The Contractor shall bear all costs of damage and restoration of service to any utility service or facility due to their operations whether due to negligence or accident. The Owner reserves the right to deduct such costs from any monies due or which may become due the Contractor, or their own surety.

70-16 Furnishing rights-of-way. The Owner will be responsible for furnishing all rights-of-way upon which the work is to be constructed in advance of the Contractor's operations.

70-17 Personal liability of public officials. In carrying out any of the contract provisions or in exercising any power or authority granted by this contract, there shall be no liability upon the Engineer, RPR, their authorized representatives, or any officials of the Owner either personally or as an official of the Owner. It is understood that in such matters they act solely as agents and representatives of the Owner.

70-18 No waiver of legal rights. Upon completion of the work, the Owner will expeditiously make final inspection and notify the Contractor of final acceptance. Such final acceptance, however, shall not preclude or stop the Owner from correcting any measurement, estimate, or certificate made before or after completion of the work, nor shall the Owner be precluded or stopped from recovering from the Contractor or their surety, or both, such overpayment as may be sustained, or by failure on the part of the Contractor to fulfill their obligations under the contract. A waiver on the part of the Owner of any breach of any part of the contract shall not be held to be a waiver of any other or subsequent breach.

The Contractor, without prejudice to the terms of the contract, shall be liable to the Owner for latent defects, fraud, or such gross mistakes as may amount to fraud, or as regards the Owner's rights under any warranty or guaranty.

70-19 Environmental protection. The Contractor shall comply with all federal, state, and local laws and regulations controlling pollution of the environment. The Contractor shall take necessary precautions to prevent pollution of streams, lakes, ponds, and reservoirs with fuels, oils, asphalts, chemicals, or other harmful materials and to prevent pollution of the atmosphere from particulate and gaseous matter.

The Contractor shall observe and adhere to the following requirements set forth in the United States Department of Transportation (DOT) Federal Aviation Administration (FAA) New England Region Record of Decision Airport Improvement Program Theodore Francis Green Airport, dated September 23, 2011. These include:

1. All equipment powered by an internal combustion engine shall utilize a properly maintained muffler.
2. Truck loading, unloading, and hauling activities shall be conducted so that noise is kept to a minimum.
3. Air powered equipment shall be fitted with pneumatic exhaust silencers
4. Stationary equipment powered by an internal combustion engine shall not be within 150 feet of noise-sensitive sites, such as the adjacent residential properties, without portable noise barriers placed between the equipment and the residences. Portable noise barriers are to be constructed of plywood or tongue and-groove boards and shall have a sound absorbing treatment on the surface facing the equipment.
5. Idling diesel-powered construction vehicles and equipment engines shall be limited to no more than five consecutive minutes within a 60-minute period.
6. Construction Equipment shall be operated with Tier 3 controls where feasible and applicable.
7. Low and Zero Emitting construction equipment shall be utilized wherever possible.

8. Route construction equipment and vehicles in areas that will cause the least disturbance to nearby noise sensitive receptors where possible.
9. Fit air-powered equipment with pneumatic exhaust silencers.
10. See FAA Technical Specification P-156 for temporary erosion and sediment controls, stormwater pollution prevention plan (SWPPP), including dust control requirements and hazardous waste management requirements.
11. Coordinate with abutters as needed.
12. Accommodate construction worker parking on-Airport, but not within the AOA.
13. Contractors are encouraged to use low- and zero-emitting construction equipment whenever possible.
14. In coordination with the Owner, implement a construction employee shuttle service, rideshare program, and/or on-site food service to reduce vehicle trips.
15. Use electrical drops in place of temporary electrical generators wherever possible.
16. As applicable, apply non-toxic soil stabilizers to all inactive construction areas, including areas with disturbed soils and stockpiles of raw materials.
17. Stabilize on-site truck haul routes and staging areas with dust-prevention materials.
18. Reduce truck speeds on haul routes to minimize dust.
19. Remove mud and dirt from haul truck wheels and cover truck bodies before leaving the construction site(s).
20. Post a publicly visible sign with the contact information for reporting dust complaints.
21. Ensure proper timing of construction to minimize the time that a disturbed area is left unstabilized.
22. Manage waste materials properly.
23. Address any contaminated soil or groundwater encountered during construction in accordance with all applicable regulations.
24. If dewatering activities are necessary, comply with all applicable regulations and obtain all required permits.
25. Implement measures to protect workers and the environment, such as special management procedures for any hazardous, contaminated, or special wastes generated during construction.
26. Prepare a site-specific Health and Safety Plan.

70-20 Archaeological and historical findings. Unless otherwise specified in this subsection, the Contractor is advised that the site of the work is not within any property, district, or site, and does not contain any building, structure, or object listed in the current National Register of Historic Places published by the United States Department of Interior.

Should the Contractor encounter, during their operations, any building, part of a building, structure, or object that is incongruous with its surroundings, the Contractor shall immediately cease operations in that location and notify the RPR. The RPR will immediately investigate the Contractor's finding and the Owner will direct the Contractor to either resume operations or to suspend operations as directed.

Should the Owner order suspension of the Contractor's operations in order to protect an archaeological or historical finding, or order the Contractor to perform extra work, such shall be covered by an appropriate contract change order or supplemental agreement as provided in Section 40, paragraph 40-04, *Extra*

Work, and Section 90, paragraph 90-05, *Payment for Extra Work*. If appropriate, the contract change order or supplemental agreement shall include an extension of contract time in accordance with Section 80, paragraph 80-07, *Determination and Extension of Contract Time*.

70-21 Insurance Requirements. See Division 0, Section 00100, Information to Bidders, Paragraph X for insurance requirements specific to this project.

END OF SECTION 70

Page Intentionally Blank

Section 80 Execution and Progress

80-01 Subletting of contract. The Owner will not recognize any subcontractor on the work. The Contractor shall at all times when work is in progress be represented either in person, by a qualified superintendent, or by other designated, qualified representative who is duly authorized to receive and execute orders of the Resident Project Representative (RPR).

The Contractor shall perform, with his organization, an amount of work equal to at least 25 percent of the total contract cost.

Should the Contractor elect to assign their contract, said assignment shall be concurred in by the surety, shall be presented for the consideration and approval of the Owner, and shall be consummated only on the written approval of the Owner.

The Contractor shall provide copies of all subcontracts to the RPR 14 days prior to being utilized on the project. As a minimum, the information shall include the following:

- Subcontractor's legal company name.
- Subcontractor's legal company address, including County name.
- Principal contact person's name, telephone and fax number.
- Complete narrative description, and dollar value of the work to be performed by the subcontractor.
- Copies of required insurance certificates in accordance with the specifications.
- Minority / non-minority status.

80-02 Notice to proceed (NTP).

1. The Owners Construction NTP will state the date on which contract time commences. The Contractor is expected to commence project operations on the effective date of the Construction NTP. The Contractor shall notify the RPR at least 48 hours in advance of the time contract operations begins. The Contractor shall not commence any actual operations prior to the date on which the notice to proceed is issued by the Owner. It is anticipated that the Construction Notice to Proceed will be issued for late Fall/early Winter 2024.

80-03 Execution and progress. Unless otherwise specified, the Contractor shall submit their coordinated construction schedule showing all work activities for the RPR's review and acceptance at least 14 days prior to the start of work. The Contractor's progress schedule, once accepted by the RPR, will represent the Contractor's baseline plan to accomplish the project in accordance with the terms and conditions of the Contract. The RPR will compare actual Contractor progress against the baseline schedule to determine that status of the Contractor's performance. The Contractor shall provide sufficient materials, equipment, and labor to guarantee the completion of the project in accordance with the plans and specifications within the time set forth in the proposal.

The project schedule shall be prepared as a network diagram in Critical Path Method (CPM), as specified in Division 1, Section 01310 Construction Progress Schedule.

If the Contractor falls significantly behind the submitted schedule, the Contractor shall, upon the RPR's request, submit a revised schedule for completion of the work within the contract time and modify their operations to provide such additional materials, equipment, and labor necessary to meet the revised schedule. Should the execution of the work be discontinued for any reason, the Contractor shall notify the RPR at least 24 hours in advance of resuming operations.

The Contractor shall not commence any actual construction prior to the date on which the Owner's Construction NTP is issued by the Owner.

The Contractor shall maintain the work schedule and provide an update and analysis of the progress schedule on a weekly basis, or as otherwise specified in the contract. Submission of the work schedule shall not relieve the Contractor of overall responsibility for scheduling, sequencing, and coordinating all work to comply with the requirements of the contract.

80-04 Limitation of operations. The Contractor shall control their operations and the operations of their subcontractors and all suppliers to provide for the free and unobstructed movement of aircraft in the air operations areas (AOA) of the airport.

When the work requires the Contractor to conduct their operations within an AOA of the airport, the work shall be coordinated with airport operations (through the RPR) at least 48 hours prior to commencement of such work. The Contractor shall not close an AOA until so authorized by the RPR and until the necessary temporary marking, signage and associated lighting is in place as provided in Section 70, paragraph 70-08, *Construction Safety and Phasing Plan (CSPP)*.

When the contract work requires the Contractor to work within an AOA of the airport on an intermittent basis (intermittent opening and closing of the AOA), the Contractor shall maintain constant communications as specified; immediately obey all instructions to vacate the AOA; and immediately obey all instructions to resume work in such AOA. Failure to maintain the specified communications or to obey instructions shall be cause for suspension of the Contractor's operations in the AOA until satisfactory conditions are provided. The areas of the AOA identified in the Construction Safety Phasing Plan (CSPP) and as listed below, cannot be closed to operating aircraft to permit the Contractor's operations on a continuous basis and will therefore be closed to aircraft operations intermittently as specified in the CSPP.

The Contractor shall be required to conform to safety standards contained in AC 150/5370-2, Operational Safety on Airports During Construction and the approved CSPP.

80-04.1 Operational safety on airport during construction. All Contractors' operations shall be conducted in accordance with the approved project Construction Safety and Phasing Plan (CSPP) and the Safety Plan Compliance Document (SPCD) and the provisions set forth within the current version of AC 150/5370-2, Operational Safety on Airports During Construction. The CSPP included within the contract documents conveys minimum requirements for operational safety on the airport during construction activities. The Contractor shall prepare and submit a SPCD that details how it proposes to comply with the requirements presented within the CSPP.

The Contractor shall implement all necessary safety plan measures prior to commencement of any work activity. The Contractor shall conduct routine checks to assure compliance with the safety plan measures.

The Contractor is responsible to the Owner for the conduct of all subcontractors it employs on the project. The Contractor shall assure that all subcontractors are made aware of the requirements of the CSPP and SPCD and that they implement and maintain all necessary measures.

No deviation or modifications may be made to the approved CSPP and SPCD unless approved in writing by the Owner. The necessary coordination actions to review Contractor proposed modifications to an approved CSPP or approved SPCD can require a significant amount of time.

80-05 Character of workers, methods, and equipment. The Contractor shall, at all times, employ sufficient labor and equipment for prosecuting the work to full completion in the manner and time required by the contract, plans, and specifications.

All workers shall have sufficient skill and experience to perform properly the work assigned to them. Workers engaged in special work or skilled work shall have sufficient experience in such work and in the operation of the equipment required to perform the work satisfactorily.

Any person employed by the Contractor or by any subcontractor who violates any operational regulations or operational safety requirements and, in the opinion of the RPR, does not perform his work in a proper and skillful manner or is intemperate or disorderly shall, at the written request of the RPR, be removed immediately by the Contractor or subcontractor employing such person, and shall not be employed again in any portion of the work without approval of the RPR.

Should the Contractor fail to remove such person or persons, or fail to furnish suitable and sufficient personnel for the proper execution of the work, the RPR may suspend the work by written notice until compliance with such orders.

All equipment that is proposed to be used on the work shall be of sufficient size and in such mechanical condition as to meet requirements of the work and to produce a satisfactory quality of work. Equipment used on any portion of the work shall not cause injury to previously completed work, adjacent property, or existing airport facilities due to its use.

When the methods and equipment to be used by the Contractor in accomplishing the work are not prescribed in the contract, the Contractor is free to use any methods or equipment that will accomplish the work in conformity with the requirements of the contract, plans, and specifications.

When the contract specifies the use of certain methods and equipment, such methods and equipment shall be used unless otherwise authorized by the RPR. If the Contractor desires to use a method or type of equipment other than specified in the contract, the Contractor may request authority from the RPR to do so. The request shall be in writing and shall include a full description of the methods and equipment proposed and of the reasons for desiring to make the change. If approval is given, it will be on the condition that the Contractor will be fully responsible for producing work in conformity with contract requirements. If, after trial use of the substituted methods or equipment, the RPR determines that the work produced does not meet contract requirements, the Contractor shall discontinue the use of the substitute method or equipment and shall complete the remaining work with the specified methods and equipment. The Contractor shall remove any deficient work and replace it with work of specified quality, or take such other corrective action as the RPR may direct. No change will be made in basis of payment for the contract items involved nor in contract time as a result of authorizing a change in methods or equipment under this paragraph.

80-06 Temporary suspension of the work. The Owner shall have the authority to suspend the work wholly, or in part, for such period or periods the Owner may deem necessary, due to unsuitable weather, or other conditions considered unfavorable for the execution of the work, or for such time necessary due to the failure on the part of the Contractor to carry out orders given or perform any or all provisions of the contract.

In the event that the Contractor is ordered by the Owner, in writing, to suspend work for some unforeseen cause not otherwise provided for in the contract and over which the Contractor has no control, the Contractor may be reimbursed for actual money expended on the work during the period of shutdown. No allowance will be made for anticipated profits. The period of shutdown shall be computed from the effective date of the written order to suspend work to the effective date of the written order to resume the work. Claims for such compensation shall be filed with the RPR within the time period stated in the RPR's order to resume work. The Contractor shall submit with their own claim information substantiating

the amount shown on the claim. The RPR will forward the Contractor's claim to the Owner for consideration in accordance with local laws or ordinances. No provision of this article shall be construed as entitling the Contractor to compensation for delays due to inclement weather or for any other delay provided for in the contract, plans, or specifications.

If it becomes necessary to suspend work for an indefinite period, the Contractor shall store all materials in such manner that they will not become an obstruction nor become damaged in any way. The Contractor shall take every precaution to prevent damage or deterioration of the work performed and provide for normal drainage of the work. The Contractor shall erect temporary structures where necessary to provide for traffic on, to, or from the airport.

80-07 Determination and extension of contract time. The time for substantial completion is to be 540 calendar days and shall be known as the Contract Time, with an additional 30 calendar days for Final Completion.

If the contract time requires extension for reasons beyond the Contractor's control, it shall be adjusted as follows:

80-07.1 Contract Time

Contract time based on calendar days. Contract Time based on calendar days shall consist of the number of calendar days stated in the contract counting from the effective date of the Notice to Proceed and including all Saturdays, Sundays, holidays, and non-work days. All calendar days elapsing between the effective dates of the Owner's orders to suspend and resume all work, due to causes not the fault of the Contractor, shall be excluded.

At the time of final payment, the contract time shall be increased in the same proportion as the cost of the actually completed quantities bears to the cost of the originally estimated quantities in the proposal. Such increase in the contract time shall not consider either cost of work or the extension of contract time that has been covered by a change order or supplemental agreement. Charges against the contract time will cease as of the date of final acceptance.

80-08 Failure to complete on time. For each calendar day or working day, as specified in the contract, that any work remains uncompleted after the contract time (including all extensions and adjustments as provided in paragraph 80-07, *Determination and Extension of Contract Time*) the sum specified in the contract and proposal as liquidated damages (LD) will be deducted from any money due or to become due the Contractor or their own surety. Such deducted sums shall not be deducted as a penalty but shall be considered as liquidation of a reasonable portion of damages including but not limited to additional engineering services that will be incurred by the Owner should the Contractor fail to complete the work in the time provided in their contract. The amount incurred after the date of substantial completion shall be \$1,000 per day.

The maximum total construction time allowed for the Project will be 180 Calendar days for substantial completion. Permitting the Contractor to continue and finish the work or any part of it after the time fixed for its completion, or after the date to which the time for completion may have been extended, will in no way operate as a waiver on the part of the Owner of any of its rights under the contract.

80-09 Default and termination of contract. The Contractor shall be considered in default of their contract and such default will be considered as cause for the Owner to terminate the contract for any of the following reasons, if the Contractor:

- a. Fails to begin the work under the contract within the time specified in the Notice to Proceed, or

- b. Fails to perform the work or fails to provide sufficient workers, equipment and/or materials to assure completion of work in accordance with the terms of the contract, or
- c. Performs the work unsuitably or neglects or refuses to remove materials or to perform anew such work as may be rejected as unacceptable and unsuitable, or
- d. Discontinues the execution of the work, or
- e. Fails to resume work which has been discontinued within a reasonable time after notice to do so, or
- f. Becomes insolvent or is declared bankrupt, or commits any act of bankruptcy or insolvency, or
- g. Allows any final judgment to stand against the Contractor unsatisfied for a period of 10 days, or
- h. Makes an assignment for the benefit of creditors, or
- i. For any other cause whatsoever, fails to carry on the work in an acceptable manner.

Should the Owner consider the Contractor in default of the contract for any reason above, the Owner shall immediately give written notice to the Contractor and the Contractor's surety as to the reasons for considering the Contractor in default and the Owner's intentions to terminate the contract.

If the Contractor or surety, within a period of 10 days after such notice, does not proceed in accordance therewith, then the Owner will, upon written notification from the RPR of the facts of such delay, neglect, or default and the Contractor's failure to comply with such notice, have full power and authority without violating the contract, to take the execution of the work out of the hands of the Contractor. The Owner may appropriate or use any or all materials and equipment that have been mobilized for use in the work and are acceptable and may enter into an agreement for the completion of said contract according to the terms and provisions thereof, or use such other methods as in the opinion of the RPR will be required for the completion of said contract in an acceptable manner.

All costs and charges incurred by the Owner, together with the cost of completing the work under contract, will be deducted from any monies due or which may become due the Contractor. If such expense exceeds the sum which would have been payable under the contract, then the Contractor and the surety shall be liable and shall pay to the Owner the amount of such excess.

80-10 Termination for national emergencies. The Owner shall terminate the contract or portion thereof by written notice when the Contractor is prevented from proceeding with the construction contract as a direct result of an Executive Order of the President with respect to the execution of war or in the interest of national defense.

When the contract, or any portion thereof, is terminated before completion of all items of work in the contract, payment will be made for the actual number of units or items of work completed at the contract price or as mutually agreed for items of work partially completed or not started. No claims or loss of anticipated profits shall be considered.

Reimbursement for organization of the work, and other overhead expenses, (when not otherwise included in the contract) and moving equipment and materials to and from the job will be considered, the intent being that an equitable settlement will be made with the Contractor.

Acceptable materials, obtained or ordered by the Contractor for the work and that are not incorporated in the work shall, at the option of the Contractor, be purchased from the Contractor at actual cost as shown by receipted bills and actual cost records at such points of delivery as may be designated by the RPR.

Termination of the contract or a portion thereof shall neither relieve the Contractor of their responsibilities for the completed work nor shall it relieve their surety of its obligation for and concerning any just claim arising out of the work performed.

80-11 Work area, storage area and sequence of operations. The Contractor shall obtain approval from the RPR prior to beginning any work in all areas of the airport. No operating runway, taxiway, or air operations area (AOA) shall be crossed, entered, or obstructed while it is operational. The Contractor shall plan and coordinate work in accordance with the approved CSPP and SPCD.

END OF SECTION 80

Section 90 Measurement and Payment

90-01 Measurement of quantities. All work completed under the contract will be measured by the RPR, or their authorized representatives, using United States Customary Units of Measurement.

The method of measurement and computations to be used in determination of quantities of material furnished and of work performed under the contract will be those methods generally recognized as conforming to good engineering practice.

Unless otherwise specified, longitudinal measurements for area computations will be made horizontally, and no deductions will be made for individual fixtures (or leave-outs) having an area of 9 square feet (0.8 square meters) or less. Unless otherwise specified, transverse measurements for area computations will be the neat dimensions shown on the plans or ordered in writing by the RPR.

Unless otherwise specified, all contract items which are measured by the linear foot such as electrical ducts, conduits, pipe culverts, underdrains, and similar items shall be measured parallel to the base or foundation upon which such items are placed.

The term “lump sum” when used as an item of payment will mean complete payment for the work described in the contract. When a complete structure or structural unit (in effect, “lump sum” work) is specified as the unit of measurement, the unit will be construed to include all necessary fittings and accessories.

When requested by the Contractor and approved by the RPR in writing, material specified to be measured by the cubic yard (cubic meter) may be weighed, and such weights will be converted to cubic yards (cubic meters) for payment purposes. Factors for conversion from weight measurement to volume measurement will be determined by the RPR and shall be agreed to by the Contractor before such method of measurement of pay quantities is used.

Measurement and Payment Terms

Term	Description
Excavation and Embankment Volume	In computing volumes of excavation, the average end area method will be used unless otherwise specified.
Measurement and Proportion by Weight	The term “ton” will mean the short ton consisting of 2,000 pounds (907 kg) avoirdupois. All materials that are measured or proportioned by weights shall be weighed on accurate, independently certified scales by competent, qualified personnel at locations designated by the RPR. If material is shipped by rail, the car weight may be accepted provided that only the actual weight of material is paid for. However, car weights will not be acceptable for material to be passed through mixing plants. Trucks used to haul material being paid for by weight shall be weighed empty daily at such times as the RPR directs, and each truck shall bear a plainly legible identification mark.
Measurement by Volume	Materials to be measured by volume in the hauling vehicle shall be hauled in approved vehicles and measured therein at the point of delivery. Vehicles for this

Term	Description
	purpose may be of any size or type acceptable for the materials hauled, provided that the body is of such shape that the actual contents may be readily and accurately determined. All vehicles shall be loaded to at least their water level capacity, and all loads shall be leveled when the vehicles arrive at the point of delivery.
Asphalt Material	Asphalt materials will be measured by the gallon (liter) or ton (kg). When measured by volume, such volumes will be measured at 60°F (16°C) or will be corrected to the volume at 60°F (16°C) using ASTM D1250 for asphalts. Net certified scale weights or weights based on certified volumes in the case of rail shipments will be used as a basis of measurement, subject to correction when asphalt material has been lost from the car or the distributor, wasted, or otherwise not incorporated in the work. When asphalt materials are shipped by truck or transport, net certified weights by volume, subject to correction for loss or foaming, will be used for computing quantities.
Cement	Cement will be measured by the ton (kg) or hundredweight (km).
Structure	Structures will be measured according to neat lines shown on the plans or as altered to fit field conditions.
Timber	Timber will be measured by the thousand feet board measure (MFBM) actually incorporated in the structure. Measurement will be based on nominal widths and thicknesses and the extreme length of each piece.
Plates and Sheets	The thickness of plates and galvanized sheet used in the manufacture of corrugated metal pipe, metal plate pipe culverts and arches, and metal cribbing will be specified and measured in decimal fraction of inch.
Miscellaneous Items	When standard manufactured items are specified such as fence, wire, plates, rolled shapes, pipe conduit, etc., and these items are identified by gauge, unit weight, section dimensions, etc., such identification will be considered to be nominal weights or dimensions. Unless more stringently controlled by tolerances in cited specifications, manufacturing tolerances established by the industries involved will be accepted.
Scales	Scales must be tested for accuracy and serviced before use. Scales for weighing materials which are required to be proportioned or measured and paid for by weight shall be furnished, erected, and maintained by the Contractor, or be certified permanently installed commercial scales. Platform scales shall be installed and maintained with the platform level and rigid bulkheads at each end. Scales shall be accurate within 0.5% of the correct weight throughout the range of use. The Contractor shall have the scales checked under the observation of the RPR before beginning work and at such other times as requested. The intervals shall be uniform in spacing throughout the graduated or marked length of the beam or dial and shall not exceed 0.1% of the nominal rated capacity of the scale, but not less than one pound (454 grams). The use of spring balances will not be permitted.

Term	Description
	<p>In the event inspection reveals the scales have been “overweighing” (indicating more than correct weight) they will be immediately adjusted. All materials received subsequent to the last previous correct weighting-accuracy test will be reduced by the percentage of error in excess of 0.5%.</p> <p>In the event inspection reveals the scales have been under-weighing (indicating less than correct weight), they shall be immediately adjusted. No additional payment to the Contractor will be allowed for materials previously weighed and recorded.</p> <p>Beams, dials, platforms, and other scale equipment shall be so arranged that the operator and the RPR can safely and conveniently view them.</p> <p>Scale installations shall have available ten standard 50-pound (2.3 km) weights for testing the weighing equipment or suitable weights and devices for other approved equipment.</p> <p>All costs in connection with furnishing, installing, certifying, testing, and maintaining scales; for furnishing check weights and scale house; and for all other items specified in this subsection, for the weighing of materials for proportioning or payment, shall be included in the unit contract prices for the various items of the project.</p>
Rental Equipment	<p>Rental of equipment will be measured by time in hours of actual working time and necessary traveling time of the equipment within the limits of the work. Special equipment ordered in connection with extra work will be measured as agreed in the change order or supplemental agreement authorizing such work as provided in paragraph 90-05 <i>Payment for Extra Work</i>.</p>
Pay Quantities	<p>When the estimated quantities for a specific portion of the work are designated as the pay quantities in the contract, they shall be the final quantities for which payment for such specific portion of the work will be made, unless the dimensions of said portions of the work shown on the plans are revised by the RPR. If revised dimensions result in an increase or decrease in the quantities of such work, the final quantities for payment will be revised in the amount represented by the authorized changes in the dimensions.</p>

90-02 Scope of payment. The Contractor shall receive and accept compensation provided for in the contract as full payment for furnishing all materials, for performing all work under the contract in a complete and acceptable manner, and for all risk, loss, damage, or expense of whatever character arising out of the nature of the work or the execution thereof, subject to the provisions of Section 70, paragraph 70-18, *No Waiver of Legal Rights*.

When the “basis of payment” subsection of a technical specification requires that the contract price (price bid) include compensation for certain work or material essential to the item, this same work or material will not also be measured for payment under any other contract item which may appear elsewhere in the contract, plans, or specifications.

90-03 Compensation for altered quantities. When the accepted quantities of work vary from the quantities in the proposal, the Contractor shall accept as payment in full, so far as contract items are concerned, payment at the original contract price for the accepted quantities of work actually completed and accepted. No allowance, except as provided for in Section 40, paragraph 40-02, *Alteration of Work*

and Quantities, will be made for any increased expense, loss of expected reimbursement, or loss of anticipated profits suffered or claimed by the Contractor which results directly from such alterations or indirectly from their own unbalanced allocation of overhead and profit among the contract items, or from any other cause.

90-04 Payment for omitted items. As specified in Section 40, paragraph 40-03, *Omitted Items*, the RPR shall have the right to omit from the work (order nonperformance) any contract item, except major contract items, in the best interest of the Owner.

Should the RPR omit or order nonperformance of a contract item or portion of such item from the work, the Contractor shall accept payment in full at the contract prices for any work actually completed and acceptable prior to the RPR's order to omit or non-perform such contract item.

Acceptable materials ordered by the Contractor or delivered on the work prior to the date of the RPR's order will be paid for at the actual cost to the Contractor and shall thereupon become the property of the Owner.

In addition to the reimbursement hereinbefore provided, the Contractor shall be reimbursed for all actual costs incurred for the purpose of performing the omitted contract item prior to the date of the RPR's order. Such additional costs incurred by the Contractor must be directly related to the deleted contract item and shall be supported by certified statements by the Contractor as to the nature the amount of such costs.

90-05 Payment for extra work. Extra work, performed in accordance with Section 40, paragraph 40-04, *Extra Work*, will be paid for at the contract prices or agreed prices specified in the change order or supplemental agreement authorizing the extra work.

90-06 Partial payments. Partial payments will be made to the Contractor at least once each month as the work progresses. Said payments will be based upon estimates, prepared by the RPR, of the value of the work performed and materials complete and in place, in accordance with the contract, plans, and specifications. Such partial payments may also include the delivered actual cost of those materials stockpiled and stored in accordance with paragraph 90-07, *Payment for Materials on Hand*. No partial payment will be made when the amount due to the Contractor since the last estimate amounts to less than five hundred dollars.

a. From the total of the amount determined to be payable on a partial payment, **five (5)** percent of such total amount will be deducted and retained by the Owner for protection of the Owner's interests. Unless otherwise instructed by the Owner, the amount retained by the Owner will be in effect until the final payment is made except as follows:

(1) Contractor may request release of retainage on work that has been partially accepted by the Owner in accordance with Section 50-14. Contractor must provide a certified invoice to the RPR that supports the value of retainage held by the Owner for partially accepted work.

(2) In lieu of retainage, the Contractor may exercise at its option the establishment of an escrow account per paragraph 90-08.

b. The Contractor is required to pay all subcontractors for satisfactory performance of their contracts no later than 30 days after the Contractor has received a partial payment. Contractor must provide the Owner evidence of prompt and full payment of retainage held by the prime Contractor to the subcontractor within 30 days after the subcontractor's work is satisfactorily completed. A subcontractor's work is satisfactorily completed when all the tasks called for in the subcontract have been accomplished and documented as required by the Owner. When the Owner has made

an incremental acceptance of a portion of a prime contract, the work of a subcontractor covered by that acceptance is deemed to be satisfactorily completed.

c. When at least 95% of the work has been completed to the satisfaction of the RPR, the RPR shall, at the Owner's discretion and with the consent of the surety, prepare estimates of both the contract value and the cost of the remaining work to be done. The Owner may retain an amount not less than twice the contract value or estimated cost, whichever is greater, of the work remaining to be done. The remainder, less all previous payments and deductions, will then be certified for payment to the Contractor.

It is understood and agreed that the Contractor shall not be entitled to demand or receive partial payment based on quantities of work in excess of those provided in the proposal or covered by approved change orders or supplemental agreements, except when such excess quantities have been determined by the RPR to be a part of the final quantity for the item of work in question.

No partial payment shall bind the Owner to the acceptance of any materials or work in place as to quality or quantity. All partial payments are subject to correction at the time of final payment as provided in paragraph 90-09, *Acceptance and Final Payment*.

The Contractor shall deliver to the Owner a complete release of all claims for labor and material arising out of this contract before the final payment is made. If any subcontractor or supplier fails to furnish such a release in full, the Contractor may furnish a bond or other collateral satisfactory to the Owner to indemnify the Owner against any potential lien or other such claim. The bond or collateral shall include all costs, expenses, and attorney fees the Owner may be compelled to pay in discharging any such lien or claim.

90-07 Payment for materials on hand. Partial payments may be made to the extent of the delivered cost of materials to be incorporated in the work, provided that such materials meet the requirements of the contract, plans, and specifications and are delivered to acceptable sites on the airport property or at other sites in the vicinity that are acceptable to the Owner. Such delivered costs of stored or stockpiled materials may be included in the next partial payment after the following conditions are met:

- a. The material has been stored or stockpiled in a manner acceptable to the RPR at or on an approved site.
- b. The Contractor has furnished the RPR with acceptable evidence of the quantity and quality of such stored or stockpiled materials.
- c. The Contractor has furnished the RPR with satisfactory evidence that the material and transportation costs have been paid.
- d. The Contractor has furnished the Owner legal title (free of liens or encumbrances of any kind) to the material stored or stockpiled.
- e. The Contractor has furnished the Owner evidence that the material stored or stockpiled is insured against loss by damage to or disappearance of such materials at any time prior to use in the work.

It is understood and agreed that the transfer of title and the Owner's payment for such stored or stockpiled materials shall in no way relieve the Contractor of their responsibility for furnishing and placing such materials in accordance with the requirements of the contract, plans, and specifications.

In no case will the amount of partial payments for materials on hand exceed the contract price for such materials or the contract price for the contract item in which the material is intended to be used.

No partial payment will be made for stored or stockpiled living or perishable plant materials.

The Contractor shall bear all costs associated with the partial payment of stored or stockpiled materials in accordance with the provisions of this paragraph.

90-08 Payment of withheld funds. At the Contractor's option, if an Owner withholds retainage in accordance with the methods described in paragraph 90-06 *Partial Payments*, the Contractor may request that the Owner deposit the retainage into an escrow account. The Owner's deposit of retainage into an escrow account is subject to the following conditions:

a. The Contractor shall bear all expenses of establishing and maintaining an escrow account and escrow agreement acceptable to the Owner.

b. The Contractor shall deposit to and maintain in such escrow only those securities or bank certificates of deposit as are acceptable to the Owner and having a value not less than the retainage that would otherwise be withheld from partial payment.

c. The Contractor shall enter into an escrow agreement satisfactory to the Owner.

d. The Contractor shall obtain the written consent of the surety to such agreement.

90-09 Acceptance and final payment. When the contract work has been accepted in accordance with the requirements of Section 50, paragraph 50-15, *Final Acceptance*, the RPR will prepare the final estimate of the items of work actually performed. The Contractor shall approve the RPR's final estimate or advise the RPR of the Contractor's objections to the final estimate which are based on disputes in measurements or computations of the final quantities to be paid under the contract as amended by change order or supplemental agreement. The Contractor and the RPR shall resolve all disputes (if any) in the measurement and computation of final quantities to be paid within 30 calendar days of the Contractor's receipt of the RPR's final estimate. If, after such 30-day period, a dispute still exists, the Contractor may approve the RPR's estimate under protest of the quantities in dispute, and such disputed quantities shall be considered by the Owner as a claim in accordance with Section 50, paragraph 50-16, *Claims for Adjustment and Disputes*.

After the Contractor has approved, or approved under protest, the RPR's final estimate, and after the RPR's receipt of the project closeout documentation required in paragraph 90-11, *Contractor Final Project Documentation*, final payment will be processed based on the entire sum, or the undisputed sum in case of approval under protest, determined to be due the Contractor less all previous payments and all amounts to be deducted under the provisions of the contract. All prior partial estimates and payments shall be subject to correction in the final estimate and payment.

If the Contractor has filed a claim for additional compensation under the provisions of Section 50, paragraph 50-16, *Claims for Adjustments and Disputes*, or under the provisions of this paragraph, such claims will be considered by the Owner in accordance with local laws or ordinances. Upon final adjudication of such claims, any additional payment determined to be due the Contractor will be paid pursuant to a supplemental final estimate.

90-10 Construction warranty.

a. In addition to any other warranties in this contract, the Contractor warrants that work performed under this contract conforms to the contract requirements and is free of any defect in equipment, material, workmanship, or design furnished, or performed by the Contractor or any subcontractor or supplier at any tier.

b. This warranty shall continue for a period of one year from the date of final acceptance of the work, except as noted. If the Owner takes possession of any part of the work before final acceptance, this warranty shall continue for a period of one year from the date the Owner takes possession. However, this will not relieve the Contractor from corrective items required by the final acceptance of the project work.

c. The Contractor shall remedy at the Contractor's expense any failure to conform, or any defect. In addition, the Contractor shall remedy at the Contractor's expense any damage to Owner real or personal property, when that damage is the result of the Contractor's failure to conform to contract requirements; or any defect of equipment, material, workmanship, or design furnished by the Contractor.

d. The Contractor shall restore any work damaged in fulfilling the terms and conditions of this clause. The Contractor's warranty with respect to work repaired or replaced will run for one year from the date of repair or replacement.

e. The Owner will notify the Contractor, in writing, within seven (7) days after the discovery of any failure, defect, or damage.

f. If the Contractor fails to remedy any failure, defect, or damage within 14 days after receipt of notice, the Owner shall have the right to replace, repair, or otherwise remedy the failure, defect, or damage at the Contractor's expense.

g. With respect to all warranties, express or implied, from subcontractors, manufacturers, or suppliers for work performed and materials furnished under this contract, the Contractor shall: (1) Obtain all warranties that would be given in normal commercial practice; (2) Require all warranties to be executed, in writing, for the benefit of the Owner, as directed by the Owner, and (3) Enforce all warranties for the benefit of the Owner.

h. This warranty shall not limit the Owner's rights with respect to latent defects, gross mistakes, or fraud.

90-11 Contractor Final Project Documentation. Approval of final payment to the Contractor is contingent upon completion and submittal of the items listed below and the requirements of Section 01700, Closeout Procedures. The final payment will not be approved until the RPR approves the Contractor's final submittal. The Contractor shall:

a. Provide two (2) copies of all manufacturers warranties specified for materials, equipment, and installations.

b. Provide weekly payroll records (not previously received) from the general Contractor and all subcontractors.

c. Complete final cleanup in accordance with Section 40, paragraph 40-08, *Final Cleanup*.

d. Complete all punch list items identified during the Final Inspection.

e. Provide complete release of all claims for labor and material arising out of the Contract.

f. Provide a certified statement signed by the subcontractors, indicating actual amounts paid to the Disadvantaged Business Enterprise (DBE) subcontractors and/or suppliers associated with the project.

g. When applicable per state requirements, return copies of sales tax completion forms.

h. Manufacturer's certifications for all items incorporated in the work.

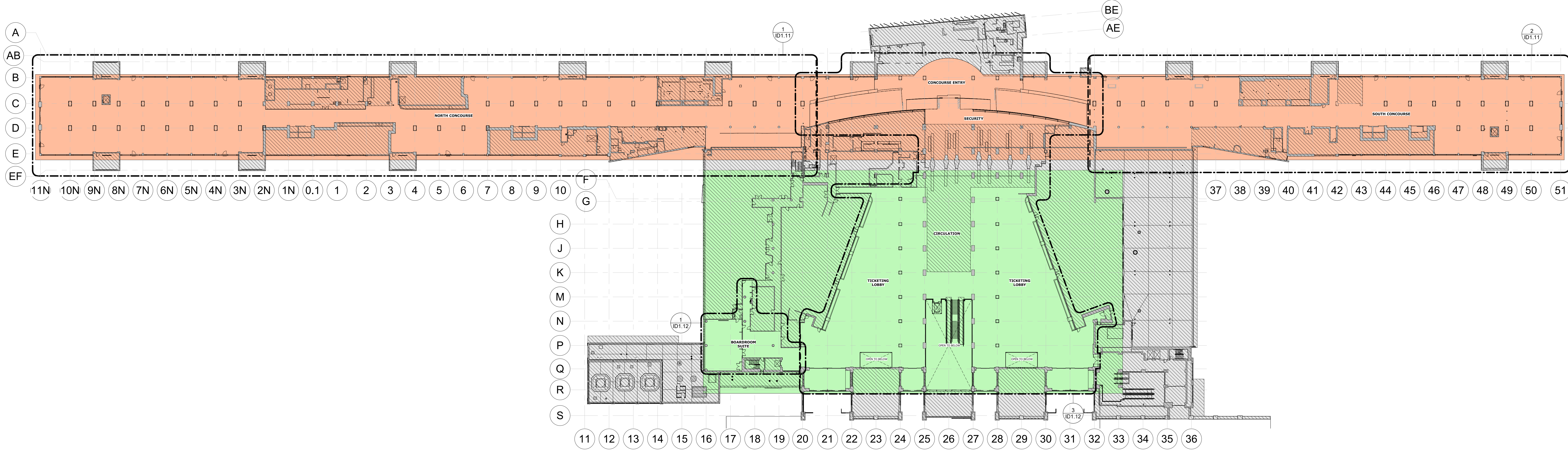
i. All required record drawings, as-built drawings or as-constructed drawings.

j. Project Operation and Maintenance (O&M) Manual(s).

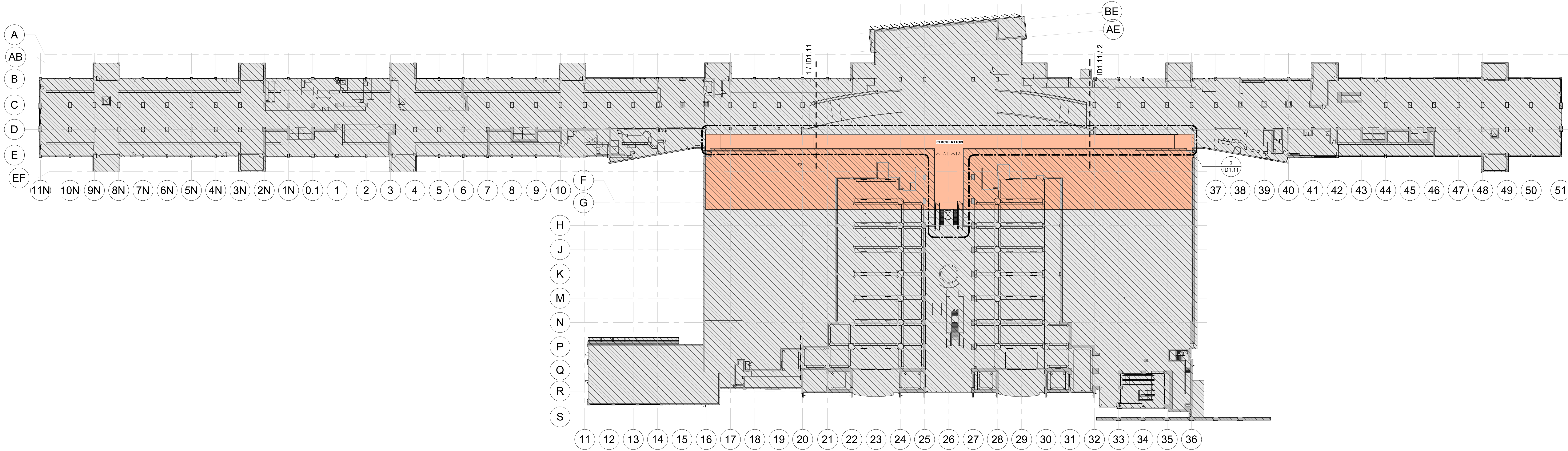
k. Security for Construction Warranty.

l. Equipment commissioning documentation submitted, if required.

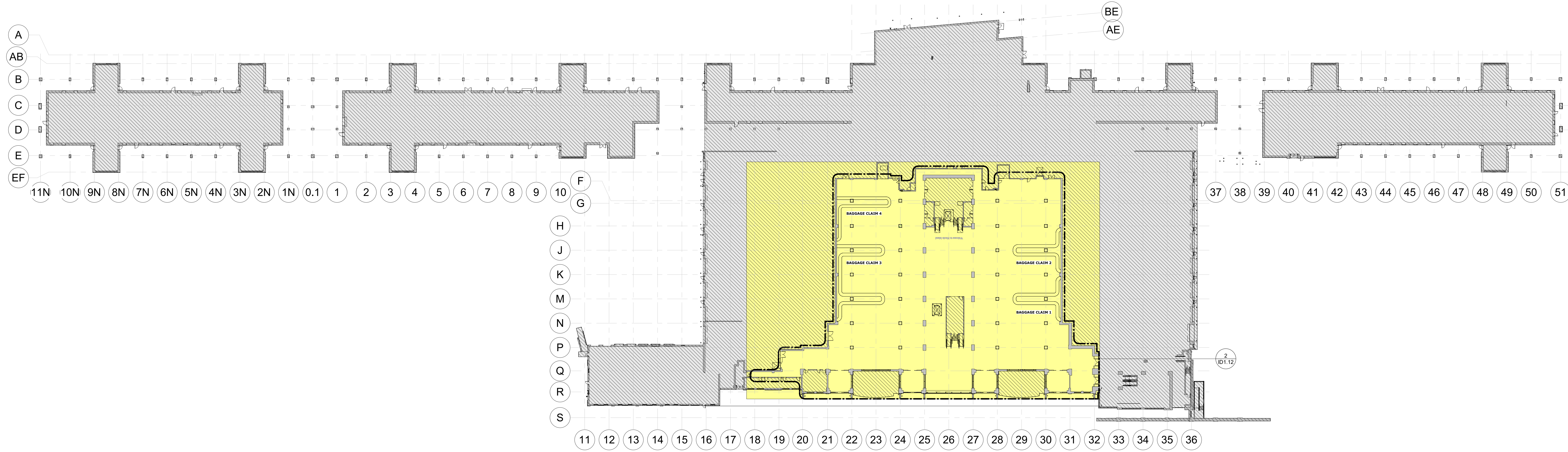
END OF SECTION 90



1 02 - FLOOR 02 - PRELIMINARY PHASING FLOOR PLAN
1" = 40'-0"



2 01A - MEZZANINE - PRELIMINARY PHASING FLOOR PLAN
1" = 40'-0"



3 01 - FLOOR 01 - PRELIMINARY PHASING FLOOR PLAN
1" = 40'-0"

- PRELIMINARY PHASING NOTES:**
- ALL PHASING WORK, WHILE SHOWN ON OVERALL PLANS, ARE MORE DETAILED IN NATURE ON ENLARGED PLANS.
 - PHASING PLANS (SERIES ID1.X) ARE REQUIRED TO BE PRINTED IN COLOR.** IT IS THE INTENT THAT, WHERE POSSIBLE, MULTIPLE PHASES OCCUR SIMULTANEOUSLY. IT WILL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO DETERMINE ANY SUB-PHASING OF KEY AREAS ACCORDING TO THE FOLLOWING PARAMETERS:
 - IN THE POST SECURITY AREA, ONLY ONE GATE PER AIRLINE MAY BE CLOSED AT A TIME. GATE AREA IS DEFINED AS THE GATE ACCESS FLOOR, GATE DESK, AND A 10-FOOT CLEAR CORRIDOR FROM THE GATE ACCESS TO THE CONCOURSE. HOLD ROOM MAY BE CLOSED IF GATE ACCESS CAN BE MAINTAINED.
 - IN THE TICKETING LOBBY ONE TICKET COUNTER PER AIRLINE MUST REMAIN OPEN AT ALL TIMES.
 - IN THE BAG CLAIM LOBBY, ONE BAG BELT MUST REMAIN OPEN PER SIDE (ONE NORTH, ONE SOUTH) AT ALL TIMES. ANY GIVEN BAG BELT MAY BE HALF-CLOSED AS LONG AS 50% OR MORE OF THE BELT LENGTH REMAINS ACCESSIBLE TO THE PUBLIC.
 - ONLY ONE SET OF RESTROOMS CAN BE CLOSED AT ANY ONE TIME. A SET OF RESTROOMS IS DEFINED AS CONSECUTIVELY LOCATED MEN'S, WOMEN'S, AND FAMILY/LACTATION ROOMS.
 - A 10-FOOT MINIMUM ACCESS AND EGRESS MUST BE MAINTAINED AT EVERY RESTAURANT, STORE, AND AIRPORT LOUNGE AT ALL TIMES.
 - ACCESS TO EMERGENCY EGRESS ROUTES MUST BE MAINTAINED. IT IS UNDERSTOOD THAT EXITS WILL NEED TO BE CLOSED OFF FOR WORK TO BE COMPLETED, AND CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING TEMPORARY SIGNAGE TO NEAREST ALTERNATIVE EXIT.
 - CONTRACTOR MUST MAINTAIN ACCESS TO ELEVATOR AT COLUMN LINE Q 19. IT WILL BE ACCEPTABLE TO CLOSE ONE FLOOR STOP AT A TIME, SO LONG AS ELEVATOR AT COLUMN LINE M 25 IS ACCESSIBLE, AND VICE VERSA.
 - GENERAL CONTRACTOR SHALL SHOW AND DEMONSTRATE AREAS OF TEMPORARY PARTITIONS, RAMP, STAIRS, ETC. AND HOW ALL EGRESS COMPONENTS WILL BE MAINTAINED DURING THE ENTIRETY OF THE PROJECT. WORK WILL BE COMPLETED WHILE THE BUILDING IS FULLY OCCUPIED.
 - GENERAL CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ALL TEMPORARY PARTITIONS TO SEPARATE PUBLIC FROM WORK AREA. TEMPORARY PARTITIONS/WALLS SHALL BE A MINIMUM OF 9'-0" AFF. WORK AREAS SHALL BE FULLY CLOSED OFF TO THE PUBLIC AND NO SIGHT LINES ARE TO BE ALLOWED INTO THE WORK AREA. GENERAL CONTRACTOR SHALL ALSO EMPLOY USE OF DUST MITIGATION DURING DEMOLITION PHASES. ALL TEMPORARY PARTITIONS/WALLS WILL ALSO REQUIRE SECURED DOORS BY CODE AND/OR CIPHER LOCK, WITH ACCESS PROVIDED TO OWNER'S FACILITIES TEAM. TEMPORARY PARTITIONS SHALL ALSO CARRY A PROVISION FOR WALL COVERINGS/SIGNAGE NOTING NEW WORK, AND COORDINATE SAID SIGNAGE WITH OWNER/ARCHITECT.

PLAN LEGEND:

- EXISTING PARTITION TO REMAIN
- NEW PARTITION
- DEMOLISH
- REFER TO KEYNOTE
- REFER TO KEYNOTE TYP
- NOT IN SCOPE
- PHASE A
- PHASE B
- PHASE C

CLIENT: Rhode Island Airport
RHODE ISLAND AIRPORT CORPORATION
 2000 POST RD. WARWICK, RI 02886 +1.401.691.2000

ARCHITECT: **ZDS inc.**
 2 CHARLES STREET, SUITE A1 PROVIDENCE, RI 02904 +1.401.680.6699
 1405 RHODE ISLAND AVE. NW WASHINGTON, DC 20005 +1.202.660.0355

PROJECT INFO: TRUE NORTH: [Symbol]

PROJECT NAME: **RHODE ISLAND T.F. GREEN INTERNATIONAL AIRPORT**
 CONTRACT NO. 35219
 2000 POST ROAD WARWICK, RI 02886

ZDS PROJECT NO. 24017
 THESE DRAWINGS ARE FOR THE CONSTRUCTION OF THE PROJECT LISTED ABOVE AND ARE NOT TO BE COPIED IN ANY FORM WITHOUT THE EXPRESS WRITTEN PERMISSION OF ZDS, INC.

THE GENERAL CONTRACTOR SHALL NOT SCALE DRAWINGS FOR MEASUREMENTS, BUT SHALL VERIFY AT THE SITE ALL LEVELS AND MEASUREMENTS NECESSARY FOR COMPLETE FABRICATION, ASSEMBLY AND INSTALLATION OF THE WORK. MINOR DETAILS OF THE WORK NOT SPECIFICALLY SHOWN ON THE DRAWINGS SHALL BE ASCERTAINED BY THE CONTRACTOR AT THE SITE OF THE WORK, AND SHALL BE ACCOMPLISHED WITH THE INTENT OF THIS PROJECT.

REVISIONS		
NO	DATE	DESCRIPTION
3	09/06/24	ADDENDUM 001
4	10/03/24	ADDENDUM 008

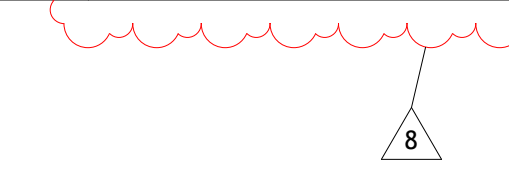
HARD FLOORING RENOVATIONS BID SET

ISSUED DATE: JULY 12, 2024
 SK DATE/REF:
 SHEET TITLE: **PRELIMINARY PHASING FLOOR PLANS - OVERALL**
 DRAWING NO. **ID1.10**

PLOT CREATED: 10/3/2024 11:39:41 AM

FLOORING:

MARK	DESCRIPTION	MANUFACTURER	PRODUCT	COLOR	FINISH/SIZE	LOCATION	COMMENTS	CONTACT
C-01	WALK OFF CARPET	MATTER SURFACES	NUWAY DESIGN	TBD	7/16" THICK; CLOSED	ENTRY VESTIBULES	SHALLOW RECESSED INSTALL	LARRY HOOPER: 410.507.1113; LARRY@DIVISION8ASSOCIATES.COM
C-02	CARPET INLAY	ZENITH RUGS	CUSTOM 100% WOOL RUG; PECSSES/INLAD INSTALLATION; PRODUCT/CAD: ZRFR-5007A	REFER TO DRAWINGS	REFER TO DRAWINGS	BOARDROOM	CUSTOM HAND TUFTED; ONSET (EDGE BOUND); ADA COMPLIANT EDGES; SUBMIT PRODUCT INFORMATION; SEAMING DIAGRAMS; AND (2) 42"x42" PHYSICAL STRIKEOFFS TO ARCHITECT FOR APPROVAL	ILYSE LEVY: 310.288.8230; ILYSE@ZENITHRUGS.COM
C-03	CARPET TILE	MATTER SURFACES	BERBER	SPRUCE	ROLL SIZES AVAILABLE: 6' 7" x 82"; 12' 2" x 82"	SECURITY		LARRY HOOPER: 410.507.1113; LARRY@DIVISION8ASSOCIATES.COM
C-04	CUSTOM CARPET RUNNER	BRINK & CHAPMAN VIA MORRIS & CO / SANDERSON DESIGN GROUP	CUSTOM CARPET RUNNER; PATTERN: BIRD RUG; 100% WOOL W/ EDGE BINDING	TUMP GREEN	SEE DRAWING DETAILS	SEE DRAWINGS	SEE TECHNICAL SPECIFICATIONS FOR DETAILED INFO TO INCLUDE FILE HEIGHT, BINDING, BACKING, ETC.	LIA PHIPPS: LIA@HINESCOMPANY.COM; 202.841.6200; NOTE: HINES AND COMPANY IS THE US REPRESENTATIVE FOR BRINK & CHAPMAN VIA MORRIS & CO/SANDERSON DESIGN GROUP
ST-01	MARBLE - WHITE	ARTISTIC TILE	BRECCIA CAPRAIA MARBLE	BRECCIA CAPRAIA	3/8" THICK; CUT TO ORDER; POLISHED	BAGGAGE CLAIM; TICKETING		DAVID ARABE: 301.251.3540; DAVIDA@ARCHITESSA.COM
ST-02	MARBLE - BURGUNDY	ARTISTIC TILE	BRECCIA VINO MARBLE	BRECCIA VINO	3/8" THICK; CUT TO ORDER; POLISHED	BAGGAGE CLAIM; TICKETING		DAVID ARABE: 301.251.3540; DAVIDA@ARCHITESSA.COM
ST-03	MARBLE - BLACK	ARTISTIC TILE	SILVER WAVE MARBLE	SILVER WAVE	3/8" THICK; CUT TO ORDER; BRUSHED	BAGGAGE CLAIM; TICKETING		DAVID ARABE: 301.251.3540; DAVIDA@ARCHITESSA.COM
ST-04	MARBLE - GREEN	AKDO	MB1088-1224H1	MOSS GREEN	1/2" THICK; CUT TO ORDER	BAGGAGE CLAIM; TICKETING		DAVID ARABE: 301.251.3540; DAVIDA@ARCHITESSA.COM
TZ-01	POURED EPOXY TERRAZZO - CREAM	TERRAZZO AND MARBLE SUPPLY, CO.	TERRKOXY RESIN SYSTEMS	TM#24-1339	THICKNESS: 3/8" BASE BID, 5/8" ADD ALTERNATE	THROUGHOUT	FIELD COLOR WITH ACCENT FEATURE STRIPS	BETHANY FISCHER: 410.790.5315; BETHANY@PPSIMD.COM
TZ-02	POURED EPOXY TERRAZZO - TAUPE	TERRAZZO AND MARBLE SUPPLY, CO.	TERRKOXY RESIN SYSTEMS	TM#24-1689	THICKNESS: 3/8" BASE BID, 5/8" ADD ALTERNATE	NORTH CONCOURSE, SOUTH CONCOURSE, POST-SECURITY ART	ACCENT COLOR WITH ACCENT FEATURE STRIPS	BETHANY FISCHER: 410.790.5315; BETHANY@PPSIMD.COM
TZ-03	POURED EPOXY TERRAZZO - GRAY	TERRAZZO AND MARBLE SUPPLY, CO.	TERRKOXY RESIN SYSTEMS	TM#24-1337	THICKNESS: 3/8" BASE BID, 5/8" ADD ALTERNATE	THROUGHOUT	ACCENT COLOR WITH ACCENT FEATURE STRIPS	BETHANY FISCHER: 410.790.5315; BETHANY@PPSIMD.COM
TZ-04	POURED EPOXY TERRAZZO - BLACK	TERRAZZO AND MARBLE SUPPLY, CO.	TERRKOXY RESIN SYSTEMS	TM#24-1336	THICKNESS: 3/8" BASE BID, 5/8" ADD ALTERNATE	BAGGAGE CLAIM; TICKETING	ACCENT COLOR WITH ACCENT FEATURE STRIPS	BETHANY FISCHER: 410.790.5315; BETHANY@PPSIMD.COM
TZ-05	POURED EPOXY TERRAZZO - GREEN	TERRAZZO AND MARBLE SUPPLY, CO.	TERRKOXY RESIN SYSTEMS	TM-24-1336V	THICKNESS: 3/8" BASE BID, 5/8" ADD ALTERNATE	THROUGHOUT	ACCENT COLOR WITH ACCENT FEATURE STRIPS	BETHANY FISCHER: 410.790.5315; BETHANY@PPSIMD.COM
TZ-06	POURED EPOXY TERRAZZO - BURGUNDY	TERRAZZO AND MARBLE SUPPLY, CO.	TERRKOXY RESIN SYSTEMS	TM-24-1074V	THICKNESS: 3/8" BASE BID, 5/8" ADD ALTERNATE	THROUGHOUT	ACCENT COLOR WITH ACCENT FEATURE STRIPS	BETHANY FISCHER: 410.790.5315; BETHANY@PPSIMD.COM



METAL:

MARK	DESCRIPTION	MANUFACTURER	PRODUCT	COLOR	FINISH/SIZE	LOCATION	COMMENTS	CONTACT
MB-01	METAL LAMINATE BASE	CHEMETAL	800 SERIES ANODIZED ALUMINUM	912	SATIN BRONZE ALUMINUM; 0.25" THICK (METAL ONLY)	BUILT-IN TERRAZZO BENCHES	SHEET SIZES AVAILABLE: 4'x8' AND 4'x10'	MIKE MOORHOUSE: 410.242.7388; MIKE@ISAARCHITECTURAL.COM
MTL-01	SOLID BRASS TRANSITION STRIP	TERRAZZO AND MARBLE SUPPLY, CO.	TERRKOXY BRASS STRIP	BRASS	1/8" THICK	THROUGHOUT; GRID PATTERN (TYP.); SHOWN IN BLACK	REFER TO ENLARGED FLOOR FINISH TRANSITION PLANS FOR MORE INFO.	BETHANY FISCHER: 410.790.5315; BETHANY@PPSIMD.COM
MTL-02	SOLID BRASS TRANSITION STRIP	TERRAZZO AND MARBLE SUPPLY, CO.	TERRKOXY BRASS STRIP	BRASS	1/4" THICK	THROUGHOUT; DECORATIVE ACCENTS (TYP.); SHOWN IN RED	REFER TO ENLARGED FLOOR FINISH TRANSITION PLANS FOR MORE INFO.	BETHANY FISCHER: 410.790.5315; BETHANY@PPSIMD.COM
MTL-03	SOLID BRASS INLAY	TERRAZZO AND MARBLE SUPPLY, CO.	TERRKOXY BRASS INLAY	BRASS	VARIABLE; REFER TO FLOOR FINISH PLANS	DECORATIVE IN-LAYS THROUGHOUT	REFER TO ENLARGED FLOOR FINISH PLANS FOR MORE INFO.	BETHANY FISCHER: 410.790.5315; BETHANY@PPSIMD.COM
MTL-04	SOLID BRONZE	BY GC	SOLID BRONZE METAL	MATCH MB-01	SATIN FINISH; REFER TO DRAWINGS FOR SIZE REQUIREMENTS	REFER TO DRAWINGS		
MTL-05	SOLID BRASS CARPET ROD W/ CUSTOM FINALS	BY GC	SOLID BRASS CARPET ROD W/ CUSTOM FINALS	SOLID BRASS; ANTIQUED FINISH	REFER TO DRAWINGS FOR SIZE REQUIREMENTS	REFER TO DRAWINGS	REFER TO DRAWINGS FOR BASIS OF DESIGN	

PAINT:

MARK	DESCRIPTION	MANUFACTURER	PRODUCT	COLOR	FINISH/SIZE	LOCATION	COMMENTS	CONTACT
P-01	PAINT	BENJAMIN MOORE	TBD	OC-17; WHITE DONE	FLAT	ALL TEMPORARY PARTITIONS & COLUMN WRAPS	LOW VOC	JAMES BRICE: 804.300.8615; JAMES.BRICE@BENJAMINMOORE.COM
P-02	PAINT	BENJAMIN MOORE	MATCH EXISTING	MATCH EXISTING	FLAT	AT CEILING TO MATCH EXISTING WHEN PATCHING OR REPAIRING NEW COLOR WRAPS	LOW VOC	JAMES BRICE: 804.300.8615; JAMES.BRICE@BENJAMINMOORE.COM
P-03	PAINT	BENJAMIN MOORE	MATCH EXISTING	MATCH EXISTING	FLAT	AT WALLS TO MATCH EXISTING FOR WHEN PATCHING AND REPAIRING	LOW VOC	JAMES BRICE: 804.300.8615; JAMES.BRICE@BENJAMINMOORE.COM

WALL BASE:

MARK	DESCRIPTION	MANUFACTURER	PRODUCT	COLOR	FINISH/SIZE	LOCATION	COMMENTS	CONTACT
RB-01	RUBBER WALL BASE	JOHNSONITE	TOE TRADITIONAL VINYL	TB1	PEPPER CORN; 6" X 1/8" THICK	ALL TEMPORARY PARTITIONS & COLUMN WRAPS	TO BE REVIEWED WITH OWNER AND ARCHITECT	RICH PADGETT: 757.810.8893; RICHARD.PADGETT@TARKETT.COM

WALL PROTECTION:

MARK	DESCRIPTION	MANUFACTURER	PRODUCT	COLOR	FINISH/SIZE	LOCATION	COMMENTS	CONTACT
CG-01	CORNERGUARD	INPRO CORP.	130 HIGH IMPACT CORNER GUARD	0387	PEBBLE GREY; 9H; 3" WING	ALL TEMPORARY PARTITIONS & COLUMN WRAPS	TO BE REVIEWED WITH OWNER AND ARCHITECT	JANINE HILDEBRANDT: 908.229.6197; JHILDEBRANDT@INPROCORP.COM

CLIENT



RHODE ISLAND AIRPORT CORPORATION

2000 POST RD.
WARWICK, RI 02886
+1.401.691.2000

ARCHITECT



2 CHARLES STREET, SUITE A1
PROVIDENCE, RI 02904
+1.401.680.6699

1405 RHODE ISLAND AVE. NW
WASHINGTON, DC 20005
+1.202.660.0355

PROJECT INFO



TRUE NORTH:
RHODE ISLAND T.F. GREEN INTERNATIONAL AIRPORT

CONTRACT NO. 35219
2000 POST ROAD WARWICK, RI 02886

ZDS PROJECT NO. 24017
THESE DRAWINGS ARE FOR THE CONSTRUCTION OF THE PROJECT LISTED ABOVE AND ARE NOT TO BE COPIED IN ANY FORM WITHOUT THE EXPRESS WRITTEN PERMISSION OF ZDS, INC.

THE GENERAL CONTRACTOR SHALL NOT SCALE DRAWINGS FOR MEASUREMENTS, BUT SHALL VERIFY AT THE SITE ALL LEVELS AND MEASUREMENTS NECESSARY FOR COMPLETE FABRICATION, ASSEMBLY AND INSTALLATION OF THE WORK. MINOR DETAILS OF THE WORK NOT SPECIFICALLY SHOWN ON THE DRAWINGS SHALL BE ASCERTAINED BY THE CONTRACTOR AT THE SITE OF THE WORK, AND SHALL BE ACCOMPLISHED WITH THE INTENT OF THIS PROJECT.

NO	DATE	DESCRIPTION
3	09/06/24	ADDENDUM 001
4	10/03/24	ADDENDUM 008

HARD FLOORING RENOVATIONS BID SET

ISSUED DATE: JULY 12, 2024

SK DATE/REF:

SHEET TITLE
HARD FINISH SCHEDULE

DRAWING NO.

ID6.00