
PRE- PROPOSAL CONFERENCE

REQUEST FOR COMPETITIVE SEALED PROPOSAL (CSP)

REHABILITATION OF TAXIWAYS SA & SB AT GEORGE BUSH INTERCONTINENTAL AIRPORT SOLICITATION # HJA-TXSASB-2023-022

Jorge Ardines
Sr. Procurement Specialist
Houston Airport System

Thursday, June 15, 2023, 10:30 A.M. CT

Pre-Qualification Meeting Agenda



- I. Opening Remarks
Alfredo "Al" Oracion
Division Manager
- II. Solicitation Overview
Jorge Ardines
Sr. Procurement Specialist
- III. Office of Business Opportunity
Kellie Irving
HAS OBO
- IV. Project Scope and Overview
Zafar Ahmed, Project Manager
- V. Questions/Answers/Site Visits

Procurement Process Reminder

Quiet Period



- The Quiet Period begins on the date the solicitation is advertised and extends until an award recommendation appears on City Council Committee Meeting Agenda.
- Only the designated procurement specialist, [Jorge Ardines](#) should be contacted during this time.

PURPOSE:

The City of Houston (City), Houston Airport System (HAS) invites interested firms to submit proposals for the Rehabilitation of Taxiways SA & SB at George Bush Intercontinental Airport.

Solicitation Overview



SOLICITATION DUE DATE AND TIME:

Thursday, July 27, 2023, 2:00 P.M. CT

**QUESTIONS AND REQUESTS FOR ADDITIONAL INFORMATION ARE DUE
BY:**

Friday, June 23, 2023, 3:00 P.M., CT

Must be received electronically and directed via email to:

jorge.ardines@houstontx.gov

Add'l Info/Specification Changes



LETTER OF CLARIFICATION(s):

Responses to questions received from potential Firm(s) and any changes to the scope shall be confirmed in writing and will be posted to the HAS website (www.fly2houston.com) prior to submittal due date.

Submittal Procedures



Submit two (2) printed copies of the Proposal, including one (1) printed original marked “Original,” signed in blue ink, seven (7) electronic copies on separate unreturnable thumb drives sealed in a separate single envelope and two (2) copy of Financial Statements, must be received at the address below no later than Thursday, July 27, 2023, 2:00 P.M., CT.

Address to send/submit to:
Houston Airport System
Attn: Cathy Vander Plaats
Aviation Procurement Officer
Supply Chain Management
18600 Lee Road
Humble, Texas 77338

Please include the phrase **“CSP No. HJA-TXSASB-2023-022 ,REHABILITATION OF TAXIWAYS SA & SB AT GEORGE BUSH INTERCONTINENTAL AIRPORT”** in the subject line and provide all applicable contact information.

Technical Proposal Submittal Requirements



- Each Proposal must be organized and follow the required format as stated in Section 34.1 – Each proposal response shall be organized in the order stated for this CSP.
- Each item of Section 34.1 must be appropriately tabbed and inclusive of all the required submittals.
- Submissions to the CSP must be valid for a period of one-hundred and eighty (180) consecutive calendar days from the date of receipt by the City.
- Forms to be submitted with this Proposal are listed in Section 35.1 and must be properly and completely filled-out.

Procurement Timeline



Description	Scheduled Date
Advertisement of Solicitation	06/02/2023
Pre-Proposal Conference	06/15/2023
Questions from Respondents Due to City	06/23/2023
Proposals Due from Respondents	07/27/2023
Notification of Intent to Award (Estimated)	09/08/2023
City Council Agenda Date (Estimated)	10/04/2023
Contract Start Date (Estimated)	10/11/2023

Evaluation Criteria

- Experience & Reputation of Proposer 30 Points
- Proposal Price 50 Points
- Proposer's ability to meet or better project milestone 20 Points
- Total Score 100 Points**
- DBE Pass/Fail
- Financial Capabilities Pass/Fail

HAS Office of Business Opportunity

Kellie Irving
HAS OBO

has.obo@houstontx.gov

DIVERSITY REQUIREMENTS

The goals on the project are the following:

DBE Goal – 24%

CERTIFICATION

- Participating Firms Must Be Certified Disadvantaged Business Enterprise (DBE) in the State of Texas.
- Firms Must Be Certified DBE At Time Of Qualification Submission. If Not Certified DBE, They Will Not Be Counted Towards Contract Participation.
- MWSBE Certification Will Not Be Counted Towards the Goal.
- Questions About Certification, Visit <http://www.houstontx.gov/obo> Or By Phone (832) 393-0600.

OTHER REQUIREMENTS

- Davis Bacon Prevailing Wage (Highway)
- City of Houston Pay or Play Program (POP)

HOUSTON AIRPORT SYSTEM INFRASTRUCTURE DIVISION

Zafar Ahmed, P.E., Project Manager, HAS

Jason Frank, P.E., MBA, Project Manager, Garver

Project Overview and Scope

Overview:

- This CSP is to solicit proposals that will provide HAS with the services for the Rehabilitation of Taxiways SA & SB and connecting taxiways, and various drainage improvements at IAH airport.

Project Overview and Scope

Scope:

The project scope consists of the following:

- Variable depth milling and overlay of bituminous pavement on Taxiway SA and SB and as well as the connecting taxiways.
- Variable depth milling, bituminous overlay and widening of bituminous shoulders along the taxiways.
- Damaged PCC panel repairs and replacement.
- Adding fillet radii at locations shown on the plans to highspeed exit Taxiway SH and SJ (fillets widening and improvement).
- Various drainage improvements including adding concrete pilot channel to the backslope swale along Ditch T, installation of interceptors, regrading backslope swale profiles to the interceptors.
- Sink-hole repair along Ditch T.
- Airfield electrical lighting, signage, and marking.

Project Overview and Scope

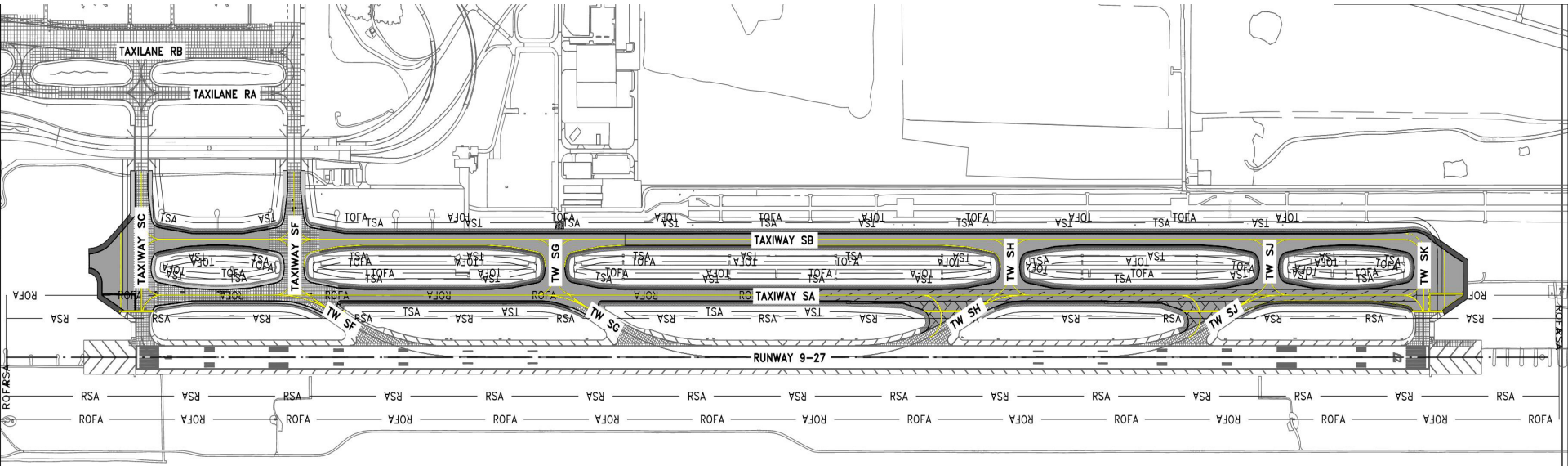
Scope Continued:

- Some work will take place in the overnight hours. Refer to the phasing sheets for time.
- Per the Construction Notes, HAS (i.e. Owner) IAH Operations may halt project due to operational safety and may also revise phasing.
- Contractor may also present a phasing plan for review.
- The amount of liquidated damage is set \$2,000.00 per day for each phase.

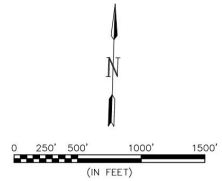
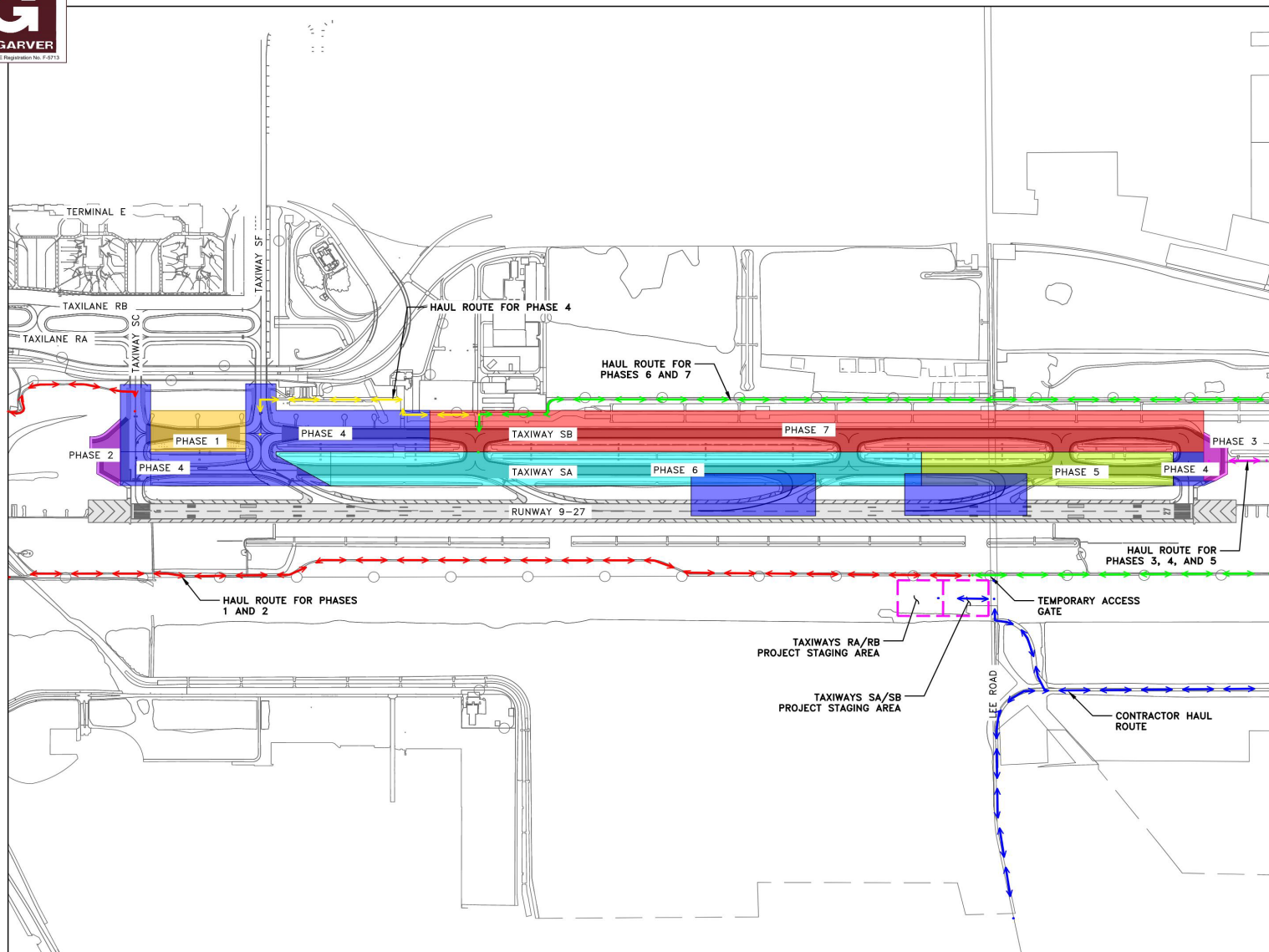
Additional Alternate- Miscellaneous Taxiway Repair:

- Repair of various taxiways at IAH.
 - Damaged PCC panel partial depth repairs, crack repairs and panel removal and replacement.
 - Bituminous milling and replacement.

Project Overview and Scope: Overall Layout



Project Overview and Scope - Phasing



NOTES:

1. CONTRACTOR SHALL USE EXTREME CAUTION WHILE MOVING ON ACTIVE TAXIWAYS AND SHALL ONLY USE APPROVED HAUL ROUTES FOR TRANSPORTATION PURPOSES.
2. CONTRACTOR SHALL HAVE A SWEEPER TRUCK ON STANDBY AT ALL ACTIVE TAXIWAY CROSSINGS.
3. WORK ON PHASES 2 AND 4 REQUIRES CLOSURE OF RUNWAY 9-27. WHEN THIS OCCURS, ALL PAVEMENT SOUTH OF TAXILANE RA SHALL BE CLOSED, AND BARRICADES SHALL BE PLACED OUTSIDE THE OBJECT FREE AREA OF TAXILANE RA INDICATING THE CLOSURE OF THE TAXIWAYS SC AND SF BRIDGES.
4. THE PURPOSE OF THE PHASE ORDER NUMBERING IS TO PROVIDE THE CONTRACTOR A BASIC IDEA OF HOW THE PROJECT SHALL PROCEED. PHASING ORDER CAN BE CHANGED AT THE DIRECTION OF HAS OR AT THE REQUEST OF THE CONTRACTOR WITH THE APPROVAL OF HAS.
5. CONTRACTOR SHALL INSTALL, MAINTAIN, AND AT THE CONCLUSION OF CONSTRUCTION OPERATIONS REMOVE THE TEMPORARY ACCESS GATE. COST FOR THE GATE IS INCLUDED IN MOBILIZATION.
6. ANY CHANGES TO THE PHASING OR THE CSPP WILL REQUIRE FAA APPROVAL.

LEGEND	
	PHASING WORK AREA
	CONSTRUCTION STAGING AREA
	HAUL ROUTE

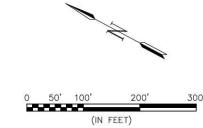
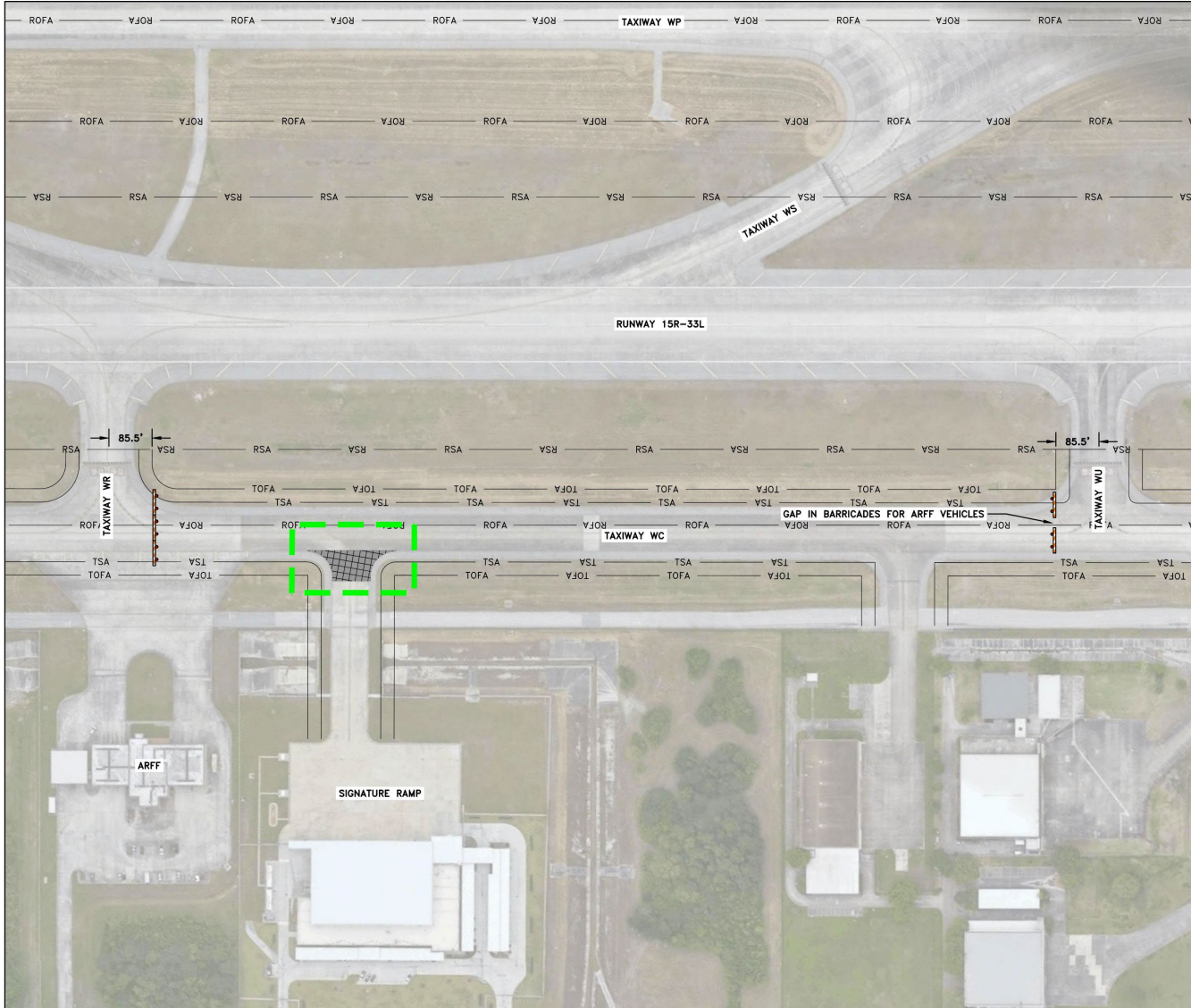
CONSTRUCTION PHASE DURATION		
PHASE	DURATION	WORK HOURS
1	30	24 / 7
2	14	10PM-6AM
3	14	10PM-6AM
4	90	24 / 7
5	30	24 / 7
6	60	24 / 7
7	60	24 / 7

Project Overview and Scope



Additional Alternates: Miscellaneous repair of various taxiways at IAH

Miscellaneous repair



LEGEND	
	PROPOSED 2" ASPHALT MILL & OVERLAY
	RSA - RUNWAY SAFETY AREA
	ROFA - RUNWAY OBJECT FREE AREA
	TSA - TAXIWAY SAFETY AREA
	TOFA - TAXIWAY OBJECT FREE AREA
	LOW-PROFILE BARRICADE
	PHASING WORK AREA

NOTES:

- WORK HOURS SHALL BE THE NIGHTTIME WORK HOURS OF 10:00PM TO 6:00AM OR AS DIRECTED BY HAS AIRSIDE OPERATIONS AND THE HAS PROJECT MANAGER.
- CONTRACTOR SHALL USE EXTREME CAUTION WHILE MOVING ON ACTIVE TAXIWAYS AND SHALL ONLY USE APPROVED HAUL ROUTES FOR TRANSPORTATION PURPOSES.
- REQUIREMENTS TO REOPEN: THE PHASING AREA WILL REOPEN AFTER EACH WORK PERIOD IN ORDER TO SERVICE AIR TRAFFIC THROUGH THE DAY. ALL BARRICADES MUST BE REMOVED; ALL FOD MUST BE REMOVED; ALL DROP OFFS EXCEEDING 3 INCHES AND ALL GRADES IN EXCESS OF 5% MUST BE CORRECTED WITHIN WORK AREA.
- CONTRACTOR SHALL PLAN FOR A 2 HOUR CLEAN UP AFTER EACH WORK PERIOD IN ORDER TO ACCOMMODATE INSPECTION FROM IAH AIRPORT OPERATIONS AND ENSURE COMPLIANCE WITH FAA STANDARDS FOR THE REOPENING OF TAXIWAYS BY 6:00AM.
- CONSTRUCTION LIMITS AREA APPROXIMATE AND WILL BE CONFIRMED WITH RPR AND/OR HAS PROJECT MANAGER PRIOR TO STARTING ANY WORK.
- CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES, HAND HOLES, AIRFIELD EQUIPMENT, DRAINAGE STRUCTURES, AND BUILDINGS NOT SHOWN FOR DEMOLITION. ANY DAMAGE AS A RESULT OF CONSTRUCTION ACTIVITIES SHALL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE OWNER.
- CONTRACTOR SHALL MAINTAIN A CLEAR ROUTE THROUGH WORK AREA FOR ARFF VEHICLE RESPONSE.

REVISIONS		
NO.	DESCRIPTION	DATE BY

GEORGE BUSH INTERCONTINENTAL AIRPORT
 REPAIR/RECONSTRUCTION OF TAXIWAYS SA & SB
PHASING PLAN - PAVEMENT REHAB 1

PROJECT MGR:	JEF
DESIGNER:	WKB
DRAWN BY:	DAG
CHECK BY:	JEF
SCALE:	1" = 100'
DATE:	04/28/2023

JASON E. FRANK
 TEXAS REGISTRATION
 #27878 FOR REVIEW
 ONLY. DESIGN
 DOCUMENTS DERIVED
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 NOT BE USED FOR
 REGULATORY APPROVAL.
 PERMITS OR
 CONSTRUCTION DATE
 (06/13/2023)

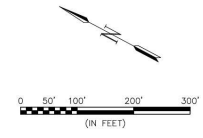
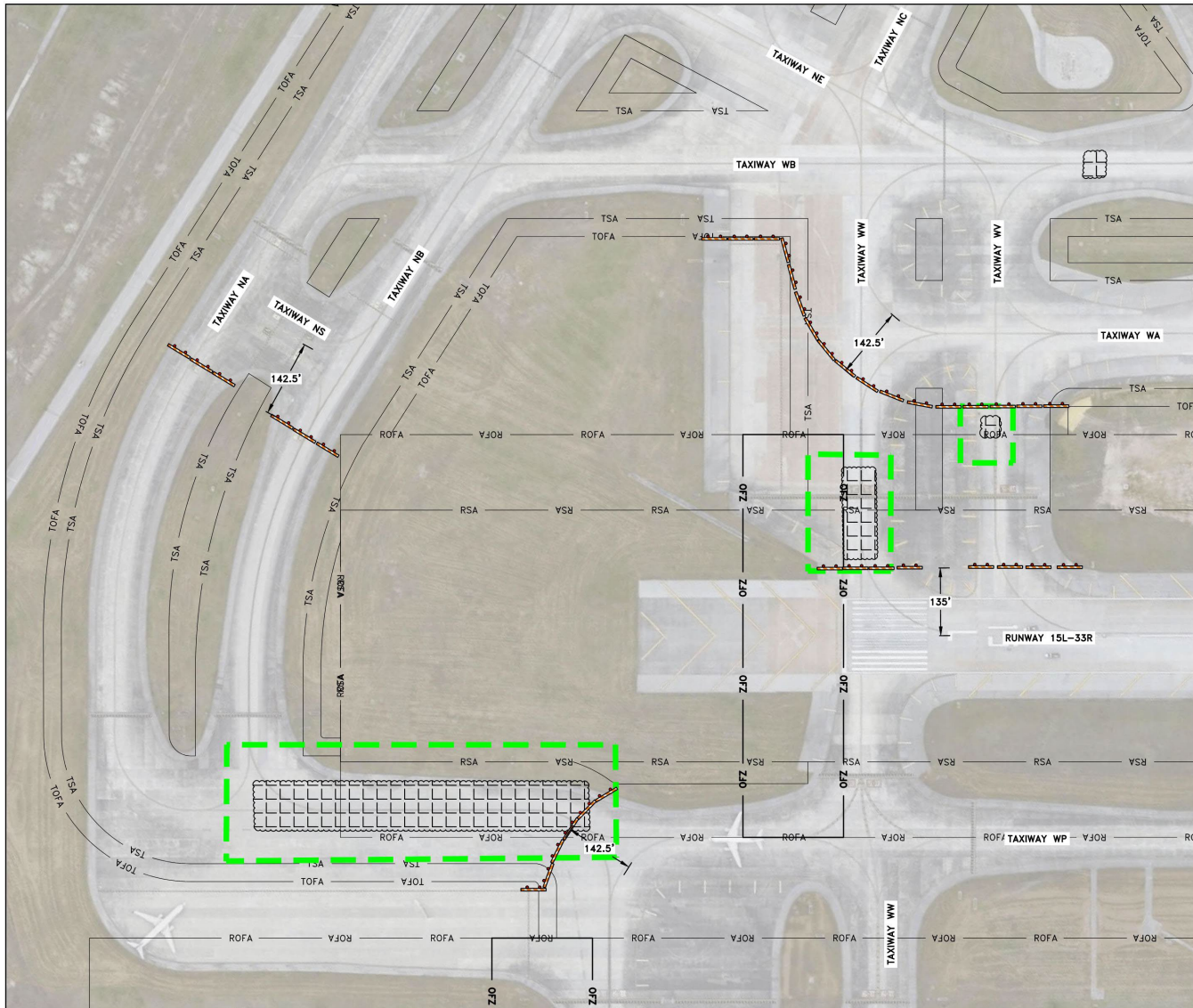
APPROVED BY: JEF
 PROJECT MGR.

PROJECT NO.	0646A
A.I.P. NO.	XXXX
C.I.P. NO.	A-0515
H.A.S. NO.	20C0646A
SHEET NO.	



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Miscellaneous repair



LEGEND	
	PROPOSED CRACK, PATCH, AND PANEL REPAIR AREA
	— RSA — RUNWAY SAFETY AREA
	- ROFA - RUNWAY OBJECT FREE AREA
	- TSA - TAXIWAY SAFETY AREA
	- TOFA - TAXIWAY OBJECT FREE AREA
	— LOW-PROFILE BARRICADE
	— PHASING WORK AREA

- NOTES:**
1. WORK HOURS SHALL BE THE NIGHTTIME WORK HOURS OF 10:00PM TO 6:00AM OR AS DIRECTED BY HAS AIRSIDE OPERATIONS AND THE HAS PROJECT MANAGER.
 2. WORK WITHIN THE RSA WILL REQUIRE RUNWAY CLOSURE AND CLOSE COORDINATION WITH HAS OPERATIONS AND PROJECT MANAGER.
 3. CONTRACTOR SHALL USE EXTREME CAUTION WHILE MOVING ON ACTIVE TAXIWAYS AND SHALL ONLY USE APPROVED HAUL ROUTES FOR TRANSPORTATION PURPOSES.
 4. REQUIREMENTS TO REOPEN: THE PHASING AREA WILL REOPEN AFTER EACH WORK PERIOD IN ORDER TO SERVICE AIR TRAFFIC THROUGH THE DAY. ALL BARRICADES MUST BE REMOVED; ALL FOD MUST BE REMOVED; ALL DROP OFFS EXCEEDING 3 INCHES AND ALL GRADES IN EXCESS OF 5% MUST BE CORRECTED WITHIN WORK AREA.
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 7. CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES, HAND HOLES, AIRFIELD EQUIPMENT, DRAINAGE STRUCTURES, AND BUILDINGS NOT SHOWN FOR DEMOLITION. ANY DAMAGE AS A RESULT OF CONSTRUCTION ACTIVITIES SHALL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE OWNER.

NO.	REVISIONS DESCRIPTION	DATE	BY

PHASING PLAN - PAVEMENT REHAB 2

GEORGE BUSH INTERCONTINENTAL AIRPORT
REHABILITATION OF TAXIWAYS SA & SB

PROJECT MGR:	JEF
DESIGNER:	JKR
DRAWN BY:	ELC
CHECK BY:	JMC
SCALE:	1" = 100'
DATE:	04/28/2023

JASON E. FRANK
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REGULATORY APPROVAL.
PERMIT OR
CONSTRUCTION DATE
(06/13/2023)

APPROVED BY: JEF

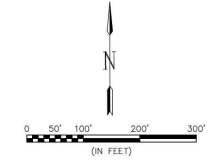
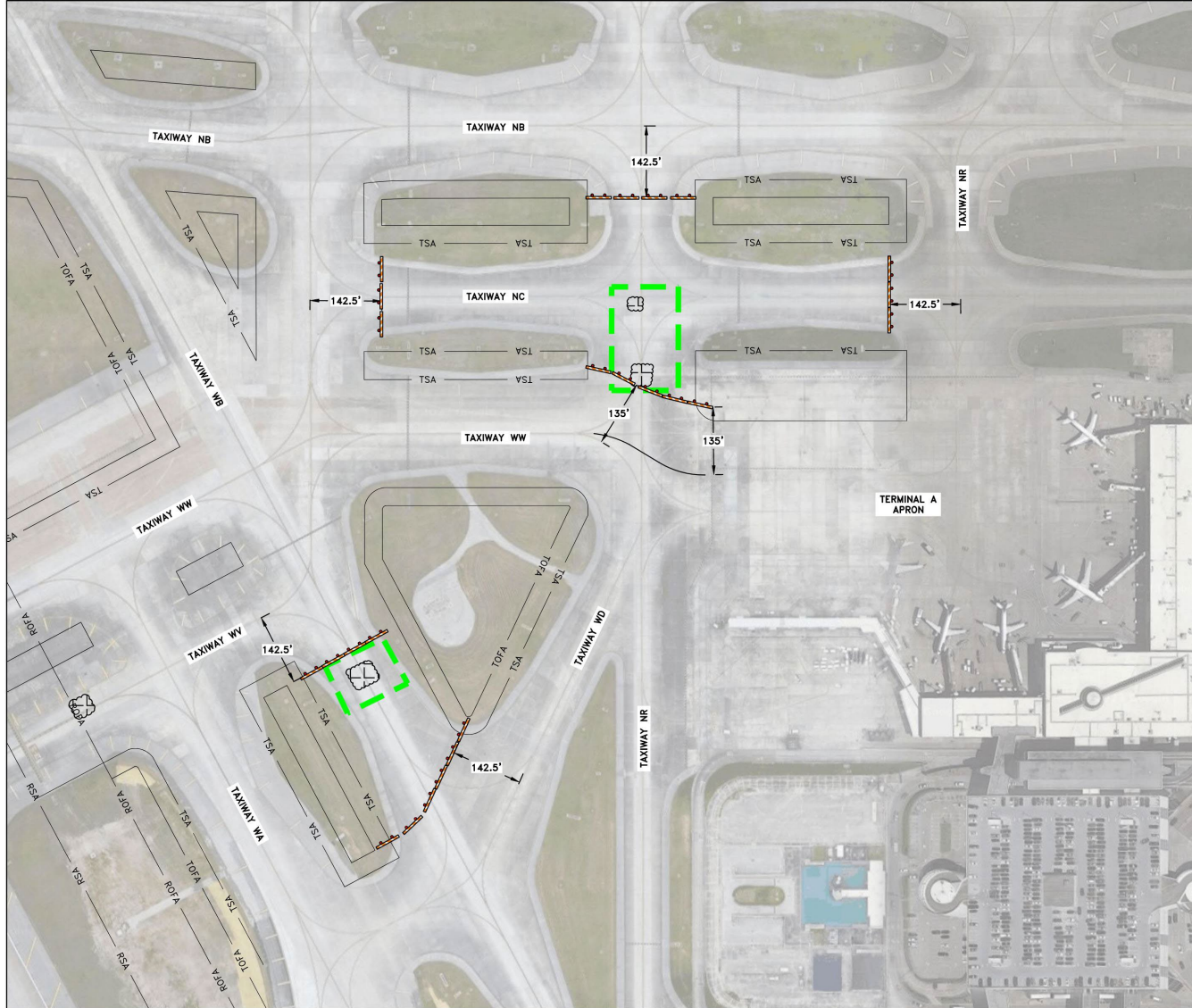
PROJECT: HOUSTON AIRPORT SYSTEM

PROJECT NO.	0646A
ALP. NO.	XXXX
CLP. NO.	A-0515
H.A.S. NO.	20C0646A
SHEET NO.	



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Miscellaneous repair



LEGEND

- PROPOSED CRACK, PATCH, AND PANEL REPAIR AREA
- RSA RUNWAY SAFETY AREA
- ROFA RUNWAY OBJECT FREE AREA
- TSA TAXIWAY SAFETY AREA
- TOFA TAXIWAY OBJECT FREE AREA
- LOW-PROFILE BARRICADE
- PHASING WORK AREA

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REVISIONS

NO.	DESCRIPTION	DATE	BY

GEORGE BISH INTERCONTINENTAL AIRPORT
 REHABILITATION OF TAXIWAYS SA & SB
PHASING PLAN - PAVEMENT REHAB 3

PROJECT INFO:

PROJECT MGR:	JEF
DESIGNER:	KSR
DRAWN BY:	DAC
CHECK BY:	JEF
SCALE:	1" = 100'
DATE:	04/28/2023

JASON E. FRANK
 TEXAS REGISTRATION
 87679 FOR REVIEW ONLY
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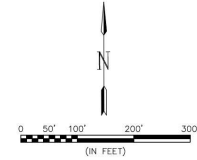
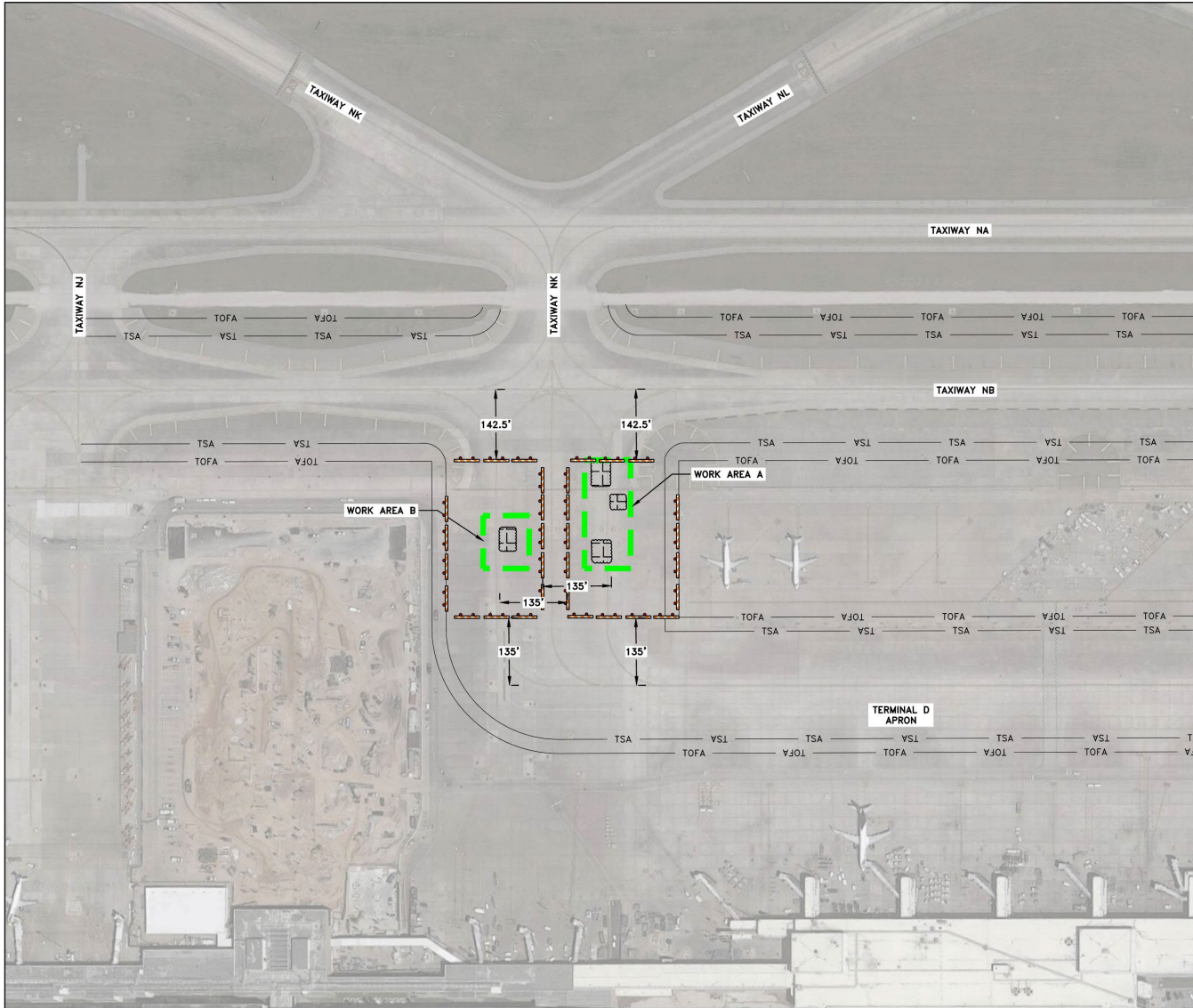
APPROVED BY: JEF

KEYMAP

PROJECT NO.	0646A
A.L.P. NO.	XXXXX
C.L.P. NO.	A-0515
H.A.S. NO.	20C0646A
SHEET NO.	

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Miscellaneous repair



LEGEND	
	PROPOSED CRACK, PATCH, AND PANEL REPAIR AREA
— RSA —	RUNWAY SAFETY AREA
— ROFA —	RUNWAY OBJECT FREE AREA
— TSA —	TAXIWAY SAFETY AREA
— TOFA —	TAXIWAY OBJECT FREE AREA
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	PHASING WORK AREA

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 7. CONTRACTOR SHALL WORK IN AREA A OR B, NOT SIMULTANEOUSLY IN BOTH TO ENSURE TAXILANE AVAILABILITY FOR TERMINAL D APRON.

REVISIONS		
NO.	DESCRIPTION	DATE BY

GEORGE BUSH INTERCONTINENTAL AIRPORT
 REGENERATION OF TAXIWAYS SA & SB
PHASING PLAN - PAVEMENT REHAB 4

PROJECT MGR:	JEF
DESIGNER:	WGR
DRAWN BY:	DAG
CHECK BY:	JEF
SCALE:	1" = 100'
DATE:	04/28/2023

JASON E. FRANK
 TEXAS REGISTRATION
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 (06/13/2023)

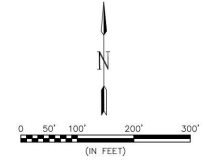
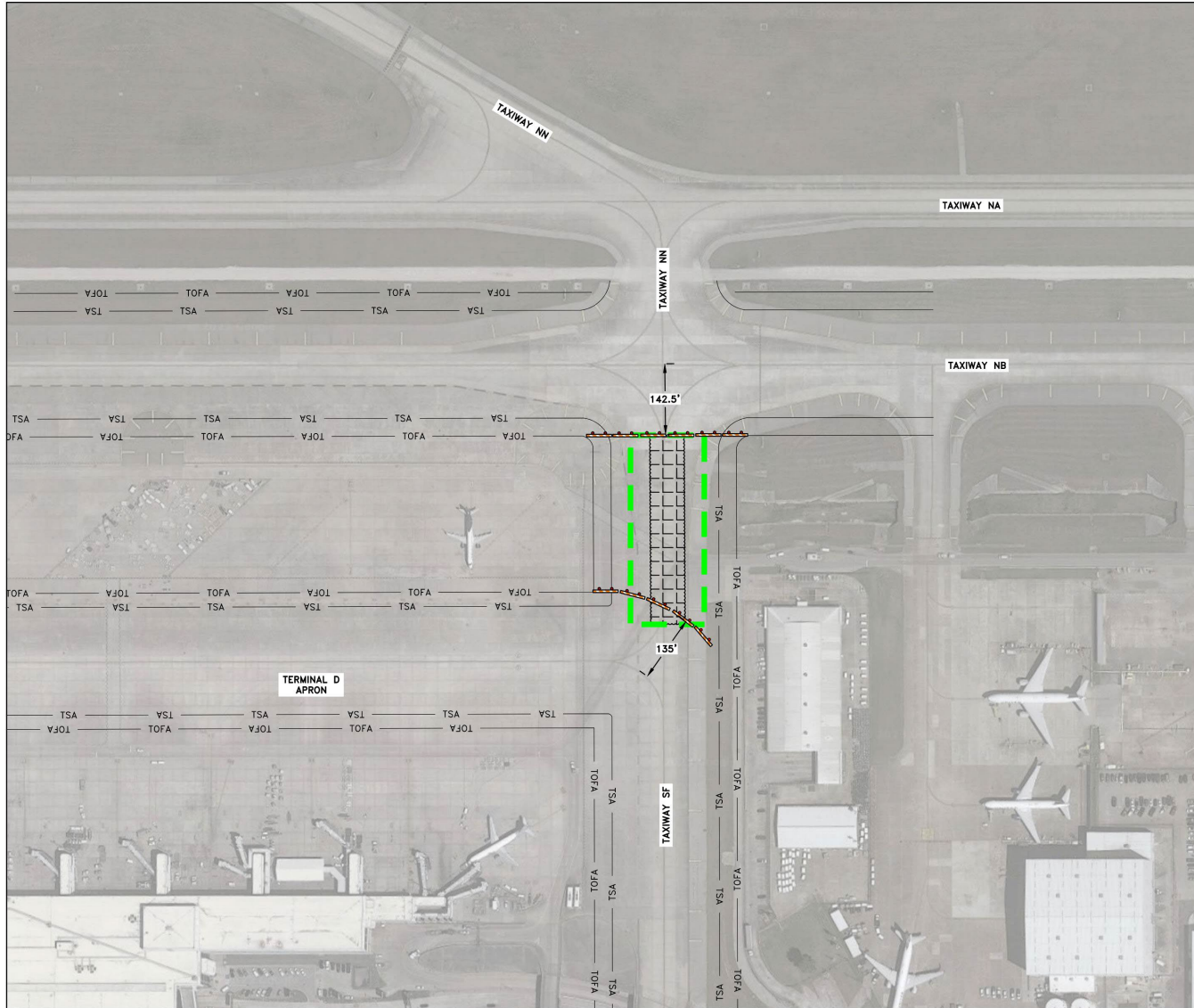
APPROVED BY: JEF
 TITLE:
 HOUSTON AIRPORT SYSTEM



PROJECT NO.	0648A
A.I.P. NO.	XXXX
CLIP. NO.	A-0515
H.A.S. NO.	20C0646A
SHEET NO.	

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Miscellaneous repair



LEGEND	
	PROPOSED CRACK, PATCH, AND PANEL REPAIR AREA
	-RSA- RUNWAY SAFETY AREA
	-ROFA- RUNWAY OBJECT FREE AREA
	-TSA- TAXIWAY SAFETY AREA
	-TOFA- TAXIWAY OBJECT FREE AREA
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	PHASING WORK AREA

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 7. CONTRACTOR SHALL MAINTAIN VSR ACCESS THROUGH WORK AREA FOR DURATION OF WORK. IF WORK IS NEEDED WITHIN THE VSR, CONTRACTOR WILL PROVIDE TEMPORARY VSR THROUGH WORK AREA.



REVISIONS		
NO.	DESCRIPTION	DATE BY

GEORGE BISH INTERCONTINENTAL AIRPORT
 REHABILITATION OF TAXIWAYS SA & SB
PHASING PLAN - PAVEMENT REHAB 5

PROJECT WORK:	JEF
DESIGNER:	KSR
DRAWN BY:	DMC
CHECK BY:	JEF
SCALE:	1" = 100'
DATE:	04/28/2023

JASON E. FRANK
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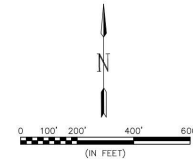
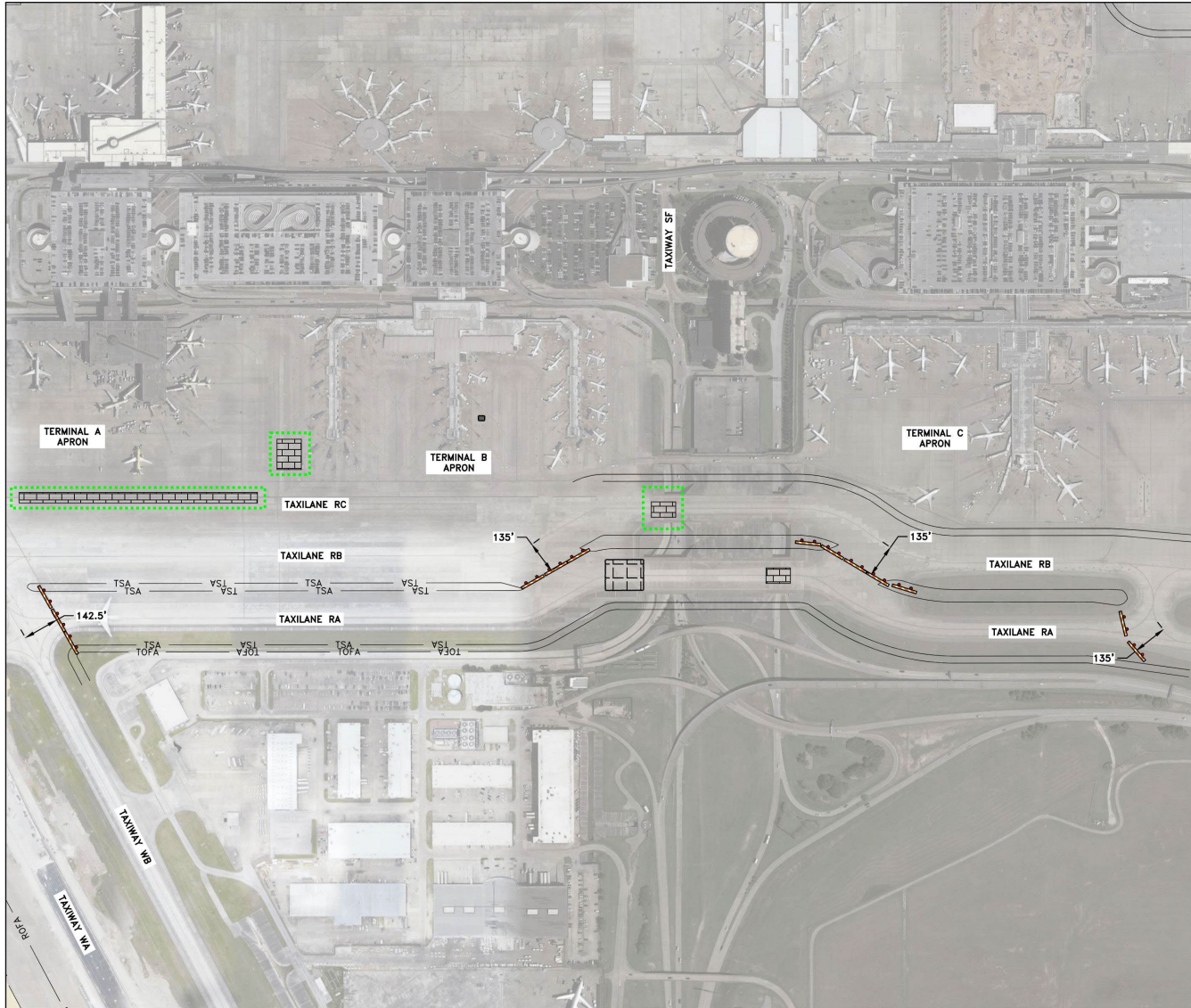
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DESIGNER:	KSR
DRAWN BY:	DMC

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Miscellaneous repair



LEGEND	
	PROPOSED CRACK, PATCH, AND PANEL REPAIR AREA
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— ROFA	RUNWAY OBJECT FREE AREA
— TSA	TAXIWAY SAFETY AREA
— TOFA	TAXIWAY OBJECT FREE AREA
	LOW-PROFILE BARRICADE
	PHASING WORK AREA

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1. WORK HOURS SHALL BE THE NIGHTTIME WORK HOURS OF 10:00PM TO 6:00AM OR AS DIRECTED BY HAS AIRSIDE OPERATIONS AND THE HAS PROJECT MANAGER.
2. CONTRACTOR SHALL USE EXTREME CAUTION WHILE MOVING ON ACTIVE TAXIWAYS AND SHALL ONLY USE APPROVED HAUL ROUTES FOR TRANSPORTATION PURPOSES.
3. REQUIREMENTS TO REOPEN: THE PHASING AREA WILL REOPEN AFTER EACH WORK PERIOD IN ORDER TO SERVICE AIR TRAFFIC THROUGH THE DAY. ALL BARRICADES MUST BE REMOVED; ALL FOD MUST BE REMOVED; ALL DROP OFFS EXCEEDING 3 INCHES AND ALL GRADES IN EXCESS OF 5% MUST BE CORRECTED WITHIN WORK AREA.
4. CONTRACTOR SHALL PLAN FOR A 2 HOUR CLEAN UP AFTER EACH WORK PERIOD IN ORDER TO ACCOMMODATE INSPECTION FOR IAH AIRPORT OPERATIONS AND ENSURE COMPLIANCE WITH FAA STANDARDS FOR THE REOPENING OF TAXIWAYS BY 6:00AM.
5. CONSTRUCTION LIMITS AREA APPROXIMATE AND WILL BE CONFIRMED WITH RPR AND/OR HAS PROJECT MANAGER PRIOR TO STARTING ANY WORK.
6. CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES, HAND HOLES, AIRFIELD EQUIPMENT, DRAINAGE STRUCTURES, AND BUILDINGS NOT SHOWN FOR DEMOLITION. ANY DAMAGE AS A RESULT OF CONSTRUCTION ACTIVITIES SHALL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE OWNER.
7. CONTRACTOR SHALL MAINTAIN VSR ACCESS THROUGH WORK AREA FOR DURATION OF WORK. IF WORK IS NEEDED WITHIN THE VSR, CONTRACTOR WILL PROVIDE TEMPORARY VSR THROUGH WORK AREA.

REVISIONS		
NO.	DESCRIPTION	DATE BY

GEORGE BUSH INTERCONTINENTAL AIRPORT
 REHABILITATION OF TAXIWAYS SA & SB
PHASING PLAN - PAVEMENT REHAB 7

PROJECT MGR:	JEF
DESIGNER:	KOR
DRAWN BY:	BAE
CHECK BY:	JEF
SCALE:	1" = 200'
DATE:	04/28/2023

JASON E FRANK
 TEXAS REGISTRATION
 87979 FOR REVIEW
 ONLY. DESIGN
 DOCUMENTS DEPICTED
 HERE IN ARE
 INCOMPLETE AND MAY
 NOT BE USED FOR
 REGULATORY APPROVAL,
 PERMIT OR
 CONSTRUCTION DATE
 (06/13/2023)

APPROVED BY: JEF

HUSTON
 AIRPORT SYSTEM

PROJECT NO.	0646A
ALP. NO.	XXXX
CLP. NO.	A-0515
H.A.S. NO.	20C0646A
SHEET NO.	



HAS FILE: C:\Users\jfrank\OneDrive - Geac\Work\2023\0646A\001.dwg
 PLOT DATE: 3/10/2023 11:58:42 AM

Questions

- To be official, questions must be in writing and submitted via email to:
jorge.ardines@houstontx.gov
- Answers will be posted on the HAS website as Letter of Clarification(s):
<http://www.fly2houston.com>

Site Visits:

Site Visit: Thursday, June 15, 2023, at 1:30 P.M. (CT).
Attendees meet at IDO Building, 111 Standifer Drive,
Humble, TX 77338.

Closing Remarks



Thank you!