



05.08.18 214pm CIP 546 rev



Houston Airport System

Infrastructure Industry Day

May 8, 2018

Sheraton North Houston
At George Bush
Intercontinental
15700 John F Kennedy Blvd.
Houston, TX 77032

- 10:00 Introductory Comments & Office of Business Opportunity Overview
- 10:05 Welcoming Remarks (Mario Diaz)
- 10:15 ITRP Phasing Plan & Procurements Update
- 10:30 IAH Energy Initiatives
- 10:45 FAR 139 Pavements Projects
- 11:15 Networking Break
- 11:30 Infrastructure Projects
 - Capital Improvement Plan (CIP)
 - IAH Terminal A Modernization Program
 - Residential Sound Insulation Program – Phase II
 - IAH Automated People Mover Control Center Relocation & Upgrades
 - IAH Storm Water Pollution Control System – Environmental lift station
 - IAH Terminal A & B Paver Removal & U-Ramp Repairs
 - Various IAH Terminal Sign Packages
- 12:00 Upcoming Solicitations
 - Rolling Owner-Controlled Insurance Program (ROCIP)
 - Small On-Call Repairs
 - Small Firm On-Call Design
 - On-Call Environmental
- 12:45 Question & Answer Opportunity
- 13:00 Adjourn



Office of Business Opportunity



Jason McLemore
Deputy Assistant Director
Office of Business Opportunity
Jason.McLemore@houstontx.gov

- Industry Day – Housekeeping Matters
 - Registration
 - Facility Accommodations, Emergency Exits
 - Cell Phone Etiquette
 - Question & Answer Opportunity Will Follow Presentations
 - One Question Per Person
 - Introduce Yourself And Your Company
 - Follow-up Verbal Questions With Written Questions Via E-Mail
 - Please Network And Exchange Business Cards

Overview

- Provide Contracting Opportunity Information To M/W/S/P/DBEs
- Serve As An Advocate For M/W/S/P/DBEs And Support Policies And Activities To Maximize Their Participation In Airport Contracts
- Assist Prime Contractors With Identifying Certified M/W/S/P/DBEs To Participate On Contracts As Sub-Contractors And Concessionaires
- Educate M/W/S/P/DBEs On How To Access HAS Contracting Opportunities

Overview

- Monitor M/W/S/P/DBEs Utilization On Contracts With Participation Goals
- Ensure That Wage Standards Are Met On All Construction Projects With Federal And City Funding
- Host Small Business And Minority Forums For Networking
- Provide Information And Referral Services To M/W/S/P/DBEs



Welcoming Remarks

Mario Diaz, Director





ITRP Overview Phasing Plan & Procurements Update

Steven Andersen
IAH Terminal Redevelopment Program
Executive Program Manager
Steven.Andersen@houstontx.gov



Industry Day

IAH Terminal Redevelopment Program

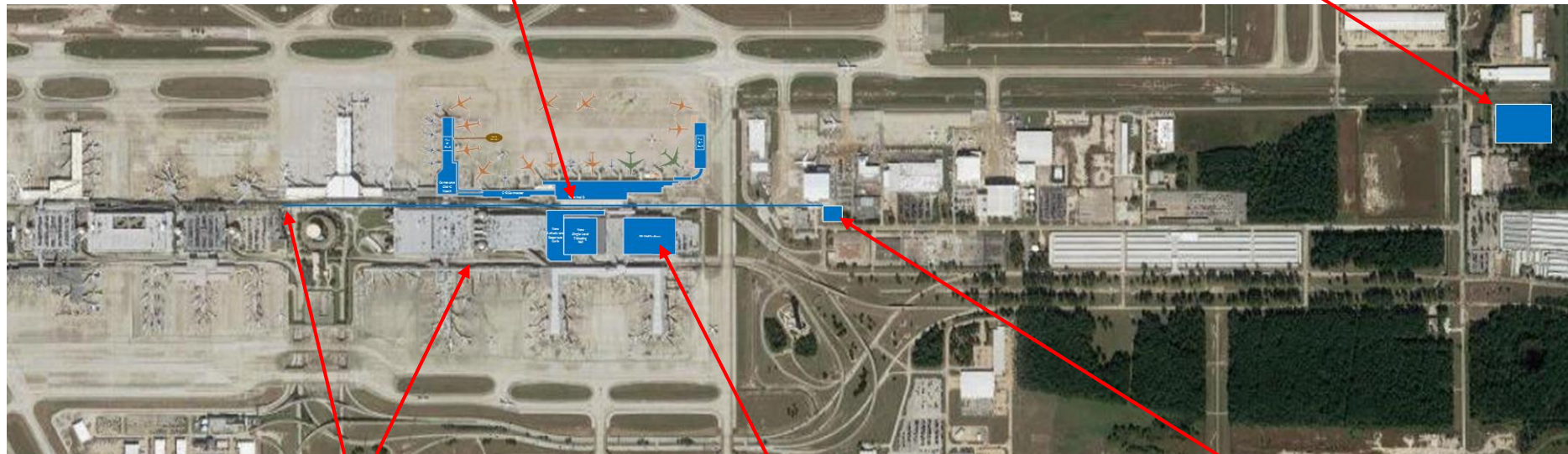
May 8, 2018



IAH Terminal Redevelopment Program (ITRP) Overview

International Terminal Project

PMO Building Project



Roadway Rehabilitation Project

Federal Inspection Service Project

Landside Enabling Utilities Project

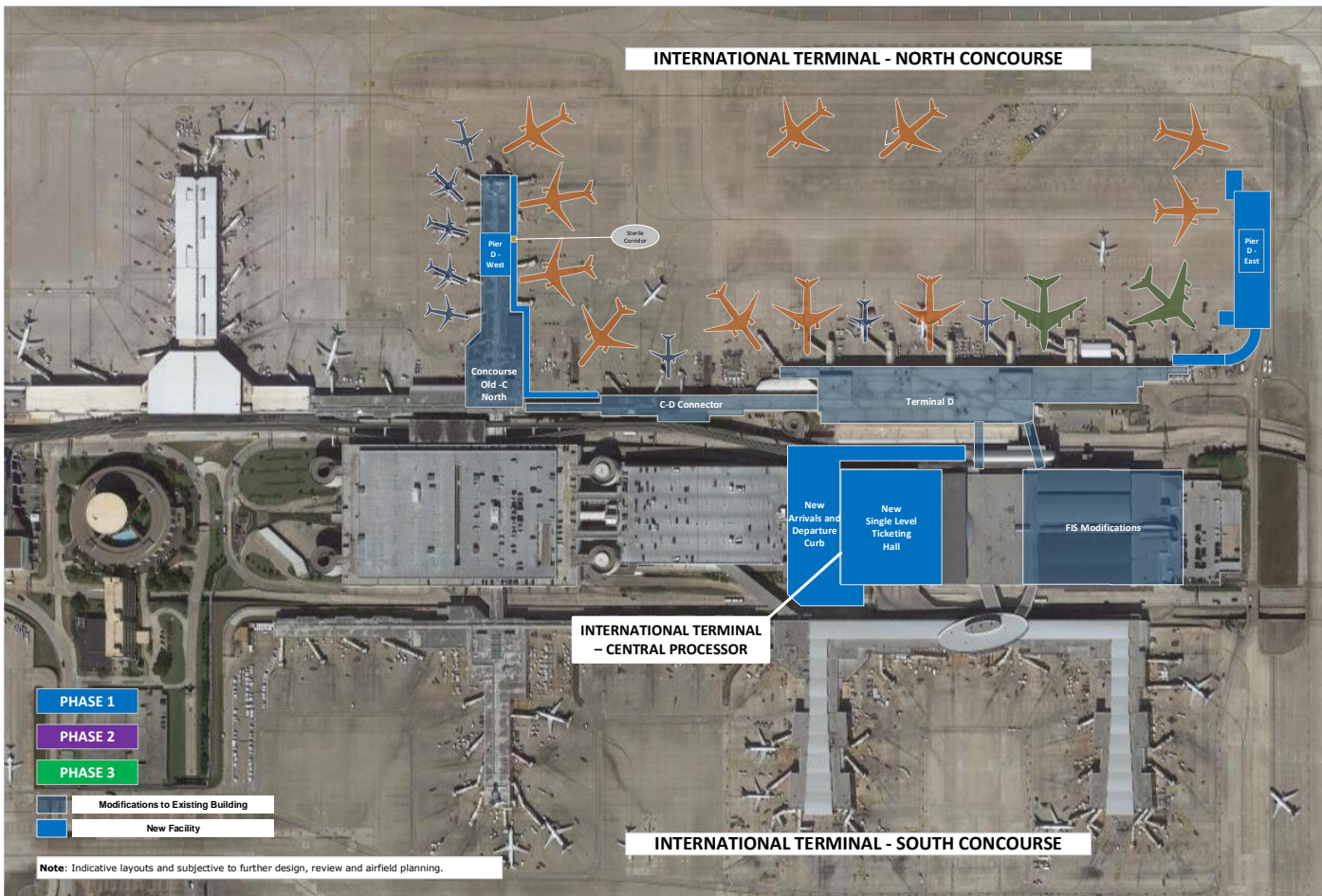
- Program Budget - ~\$1.3bn
- Program Completion - 2024



PROCUREMENT ACTION	PROCUREMENT METHOD	PROCUREMENT STATUS
East Aircraft Remote Parking Hardstand	Design-Build (RFQ Two Step Process)	Procurement Cancelled. Functionality no longer required with revised MLIT concept.
Program Management Office (PMO)	Design-Build (RFQ Two Step Process)	Contract awarded
MLIT Design Services	Architect Engineer (AE) Design Services (RFQ)	Contract awarded
MLIT Construction Manager at Risk	Construction Manager at Risk (CMAR)	Contract awarded
Owner's Controlled Insurance Program (OCIP)	Request for Proposals (RFP)	Procurement Cancelled. To be replaced with a Rolling Owners Controlled Insurance Program.
Enabling Utilities - Landside	Design-Build (RFQ Two Step Process)	Contract award recommendation pending.
FIS Design Services	Architect Engineer (AE) Design Services (RFQ)	Contract award recommendation pending.
FIS Construction Manager at Risk	Construction Manager at Risk (CMAR)	Contract award recommendation pending.
IAH Energy Initiatives	Request for Qualifications (RFQ)	RFQ specifications and scope of services under development.



International Terminal Complex – Phase 1



Aircraft Type	No.*
Group VI	2
Group V	9
Group III	3
Group III (Excluding Int. Arrivals)	5
TOTAL	19

Phase 1 Scope:

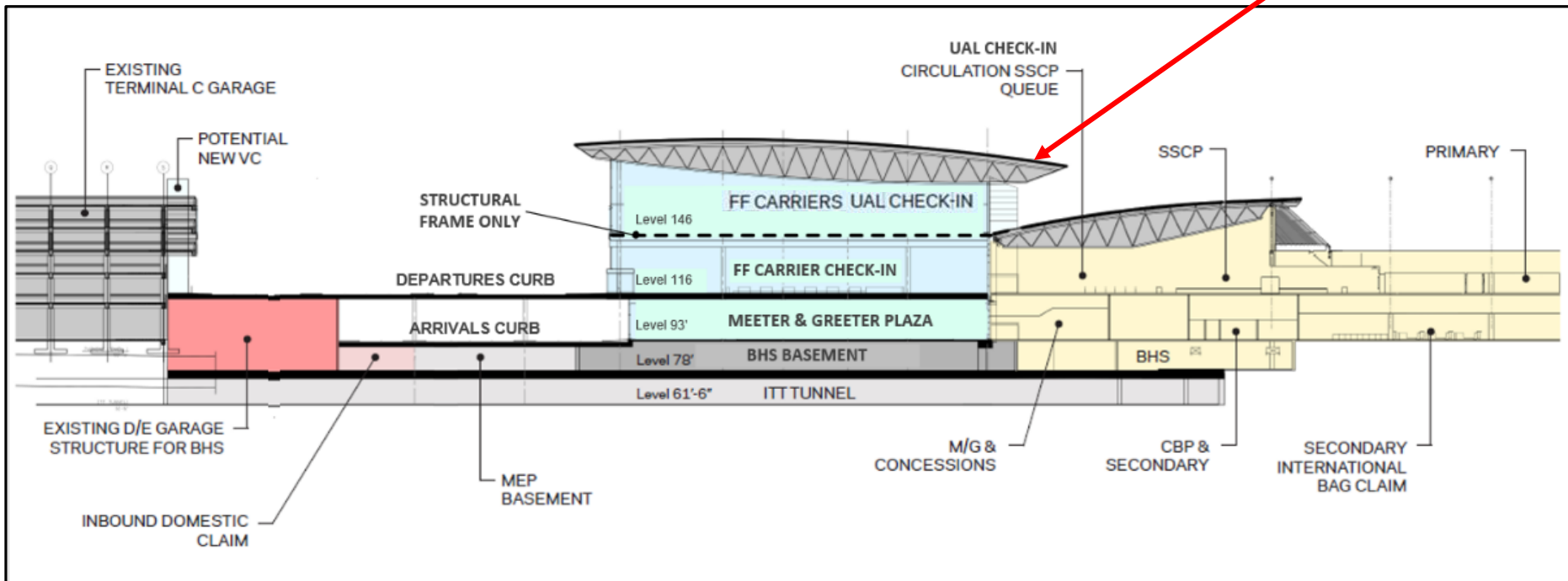
- Reopen 5 Domestic Gates on D-West (Old C-North)
- Re-Life Systems & Refurbish Terminal D & Old C-North
- Sterile Corridor on East Side of Old C-North.
- New Pier D3 (D-East)
- New Ticketing Hall
- New Arrivals / Departures Curbs and Roadway modifications
- Baggage Modifications
- FIS Modifications
- Relocate Foreign Flag carries

Note:

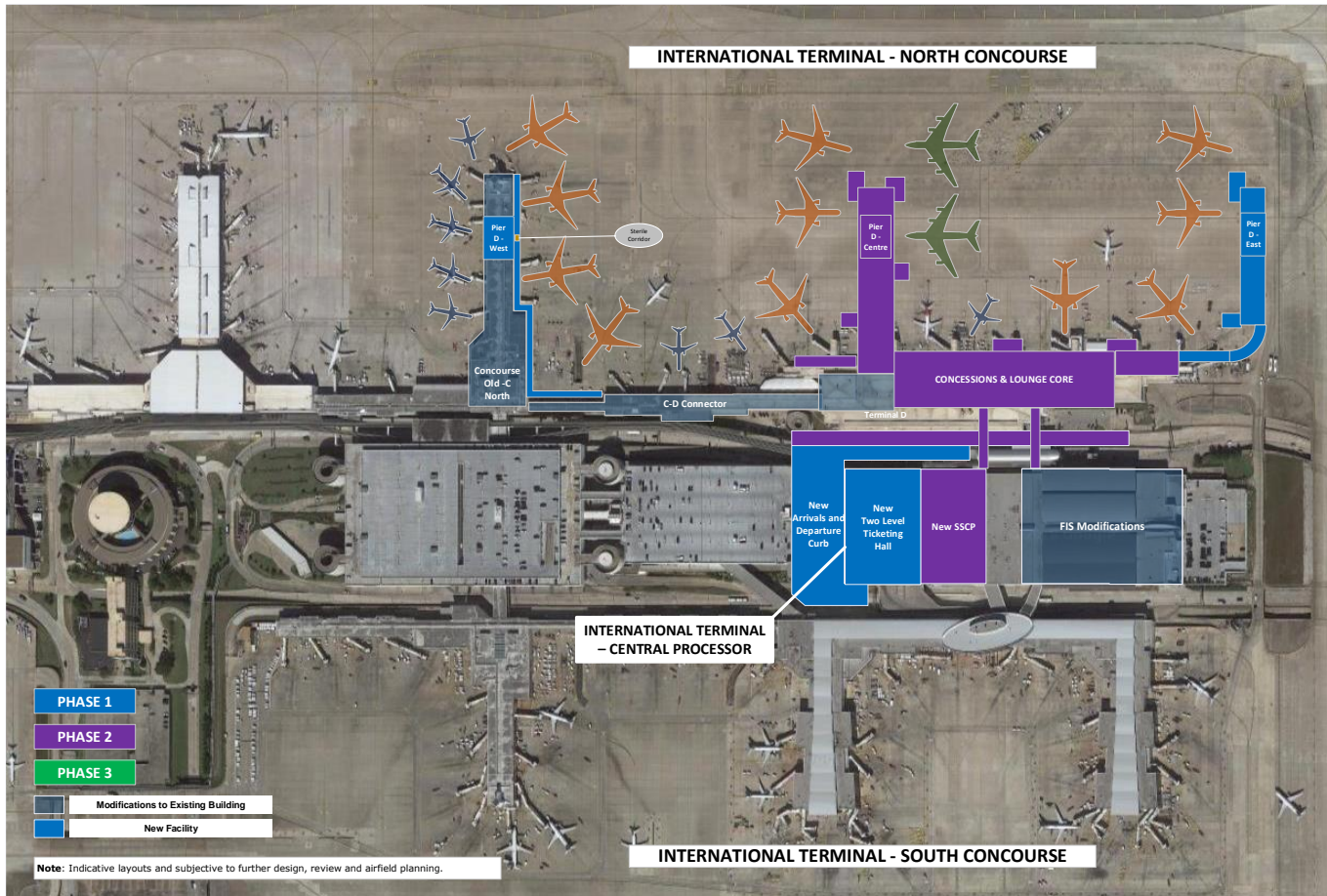
Indicative layouts and subject to further design, review and airfield planning.



International Terminal Complex – Phase 1



International Terminal Complex – Phase 2



Aircraft Type	No.*
Group VI	2
Group V	11
Group III	3
Group III (Excluding Int. Arrivals)	5
TOTAL	21

Phase 2 Scope:

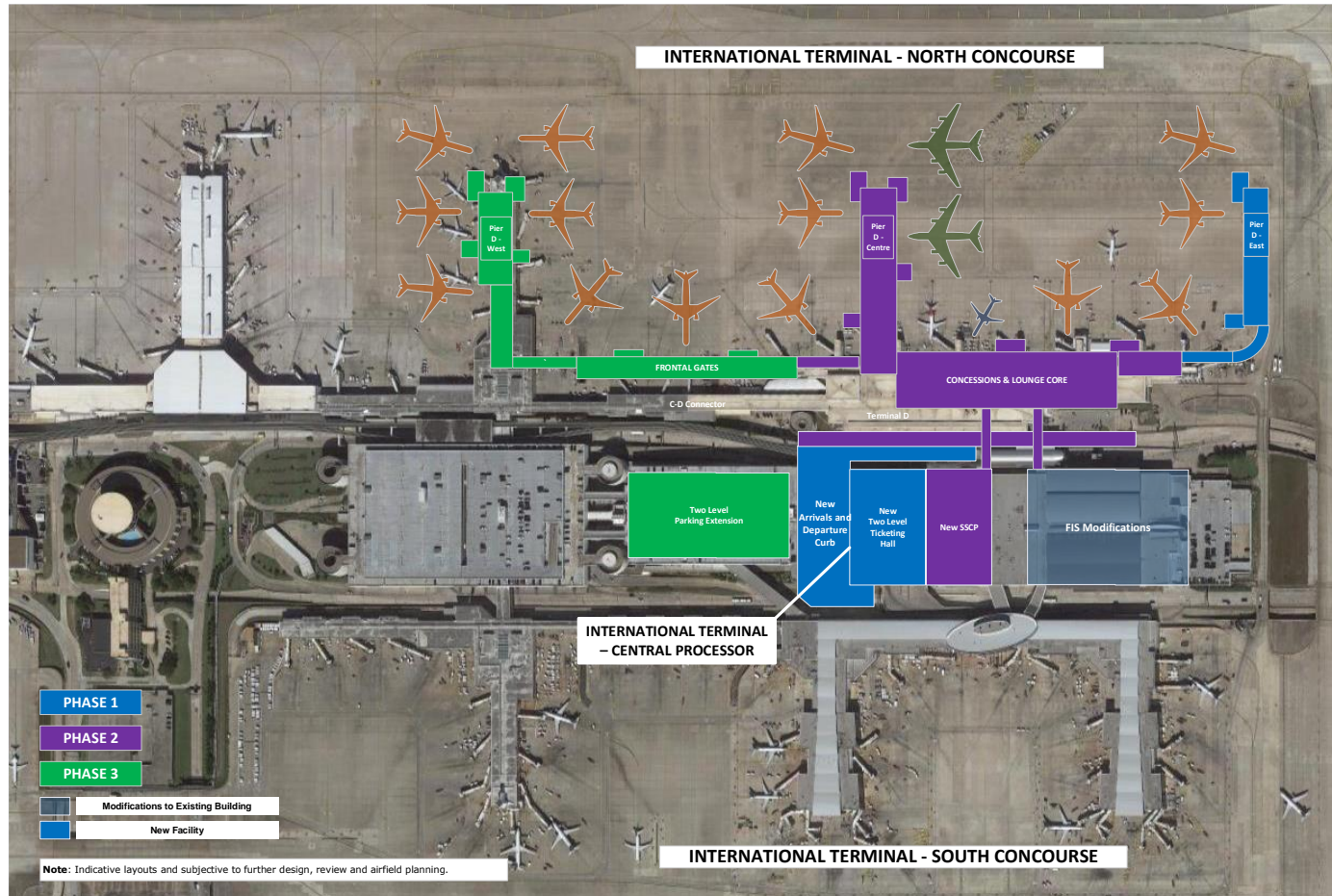
- Construct New Pier D2 (D-Center)
- Phased Demolition of Terminal D
- New East Concessions Core
- Fitted out 2nd Ticketing Level
- Domestic Reclaim Belts & Basement Build-Out
- Additional Parking Levels
- Parking Vertical Circulation & Link Bridge

Note:

Indicative layouts and subjective to further design, review and airfield planning.
Phase start defined by demand based triggers



International Terminal Complex – Phase 3



Aircraft Type	No.*
Group VI	2
Group V	14
Group III	1
TOTAL	17

Phase 3 Scope:

- Phased Demolition of Terminal D, C-D Connector and Old C-North;
- New Pier D1 (D-West)
- New West Frontal Gates

Note:

Indicative layouts and subjective to further design, review and airfield planning.
Phase start defined by demand based triggers



Key Benefits

- Provides incremental gates to both UA and FF carriers
- Enhanced Airline integration and product (co-located in Ticketing, common bag system)
- Resolves current and future roadway arrivals curb capacity issues and enhances departures curb capacity
- Optimization of the roadway connectivity and capacity improving Terminal C traffic flow (separation of international roadway traffic from Terminal C roadway traffic)
- Provides infrastructure to resolving current UA and FF baggage constraints
- Consolidation of Security Screening supporting TSA staffing optimization
- Consolidation of UAL & Foreign Flag Carriers Checked Baggage Inspection & Screening (CBIS) facilities supporting TSA staffing optimization
- Resolves the complexity of wayfinding for two international terminals with consistent and centralized international passenger processing
- Provides a new integrated terminal processing facility thereby deferring the need for an FIS at Terminal B and the Terminal B Phase III expansion
- Opportunity for future Domestic claim devices in Terminal E to improve passenger experience, no longer needing to go to Terminal C to claim bags
- Expanded and enhanced Meeter/Greeter Hall



Any Questions



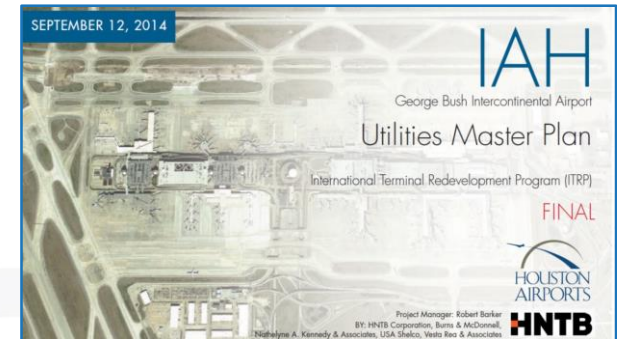


Energy Initiatives Project – Update George Bush Intercontinental Airport

May 8, 2018

Background

- Completed Underground Utility Condition Assessments 2013-2014
 - Electrical Infrastructure Completed By Jacobs Engineering
 - Thermal Energy Systems Completed By Burns & McDonnell
 - Water Systems Completed By CH2M
- Documented Approaching End Of Service Life Of Utilities Systems
- Identified Infrastructure Service Life Key Objective
 - Achieve At Least 10 Years Remaining Life As Of Completion Date Of Opening New International Terminal
- Developed And Published Detailed Utilities Master Plan
 - Provides Roadmap For Achieving Key Energy Objectives



Key Energy Infrastructure Objectives - Summary



1. Renew Infrastructure
 - Ensure Utilities Systems Have At Least 10 Years Remaining Service Life At Time Of Opening International Terminal
2. Improve Resilience And Reliability Of Utility Systems
 - Diversify Energy Supply Through Multiple Energy Resources
3. Position Central Terminal Area (CTA) Electrical Distribution To Facilitate Sustainable Strategies
4. Support Sustainable Energy Service Strategies
 - Position For Renewable And / Or Lower Cost Energy Sources
 - Reduce Airport And Regional Air Emissions Footprint
 - Achieve CTA Net Zero Energy Objective

Previously Completed Due Diligence Activities



- Recommended Strategies Linked To Utilities Master Plan
- Houston Advanced Research Center (HARC)
 - Department Of Energy-Approved Technical And Financial Feasibility Analyses Supported Combined Heat & Power Plant Technology
- Formal Request For Information Process
 - Received Multiple Responses From Industry Resources
- Completed Preliminary Discussions With State Agencies
- University Review And Support
 - Texas Engineering Experiment Station (TEES)

Current Project Activities And Next Steps



- Additional Due Diligence Activities
 - Expanded HARC Feasibility Analyses
 - Feasibility Analyses Review And Validation Of Findings
 - TEES
 - Independent Industry Professionals
 - Status: Draft Report Under Review And Receiving Comment
- Next Planned Steps
 - Complete Due Diligence Related To Electrical Infrastructure
 - Provide Electrical Infrastructure Forward Plan Recommendations
 - IAH Energy Recommendations For Implementation Will Consider Benefits And Risks Of Proposed Solutions
 - Anticipate Forward Plan Recommendations During June 2018



Energy Initiatives Project - Update George Bush Intercontinental Airport

May 8, 2018



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Infrastructure FAR 139 Pavement Projects



Cynthia Straughan, P.E., PMP
Assistant Director, FAR 139
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- 770 HOU Non Std Txwy Dsgn
- 901 IAH WA Reconstruct
- 646 IAH RARBSASB Dsgn
- 460C HAS Misc Repairs Const
- 699 IAH San Swr Tunnel



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Networking Break



Infrastructure Upcoming Project Information





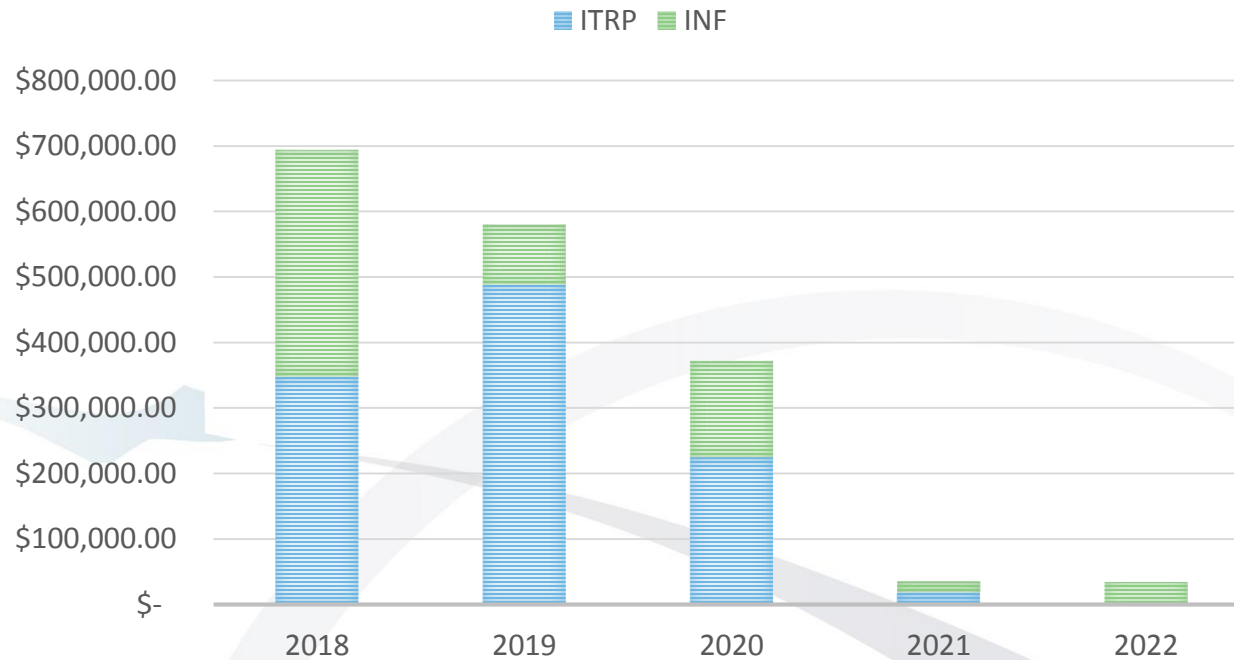
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Capital Improvement Plan (CIP)

HAS Capital Program FY18-22

(Values in 1,000s)





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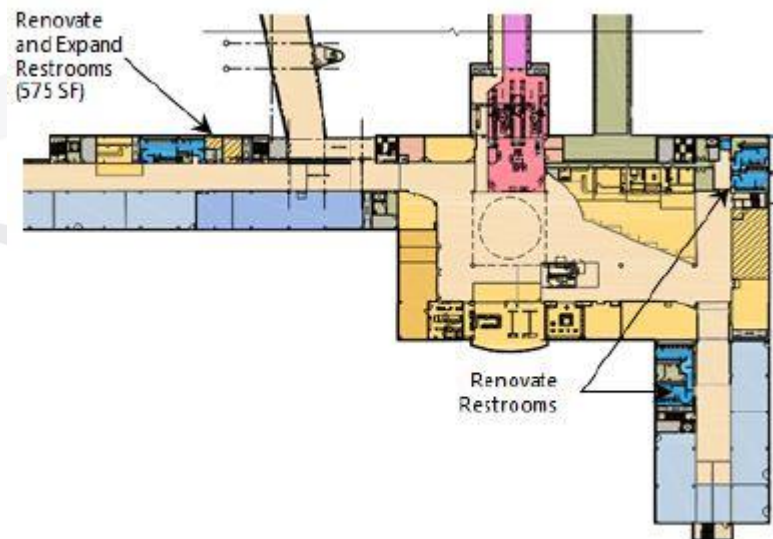
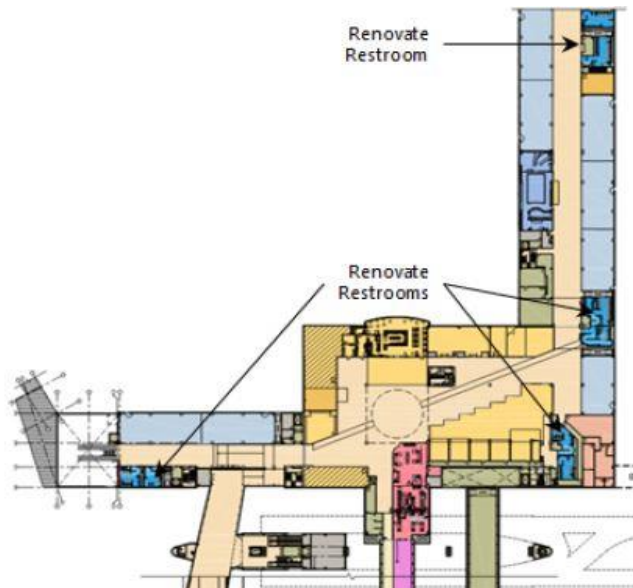


Terminal A Modernization Program

Terminal A Modernization Program

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- Restroom Renovations:



Terminal A Modernization Program

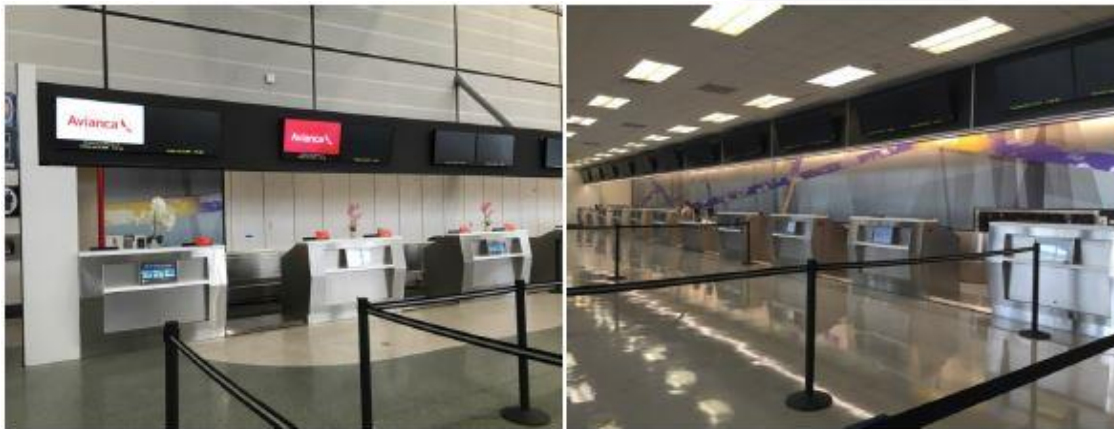
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- Holdroom Gate Station Counter Replacements:



- New Check-in Counter Millwork:



Terminal A Modernization Program

- Exterior Waterproofing:

Removing precast
panels, waterproofing
& reinstalling the
panels



- Building Systems Upgrades:

Architectural finishes, Conveyance devices, Electrical upgrades, Fire Protection, Boarding Bridges and Gate support equipment, HVAC, Natural Gas Systems, Structural Improvements, Baggage Handling Systems, Storm Water and Water Systems

Terminal A Modernization Program

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- Check-in Lobby Enhancements:



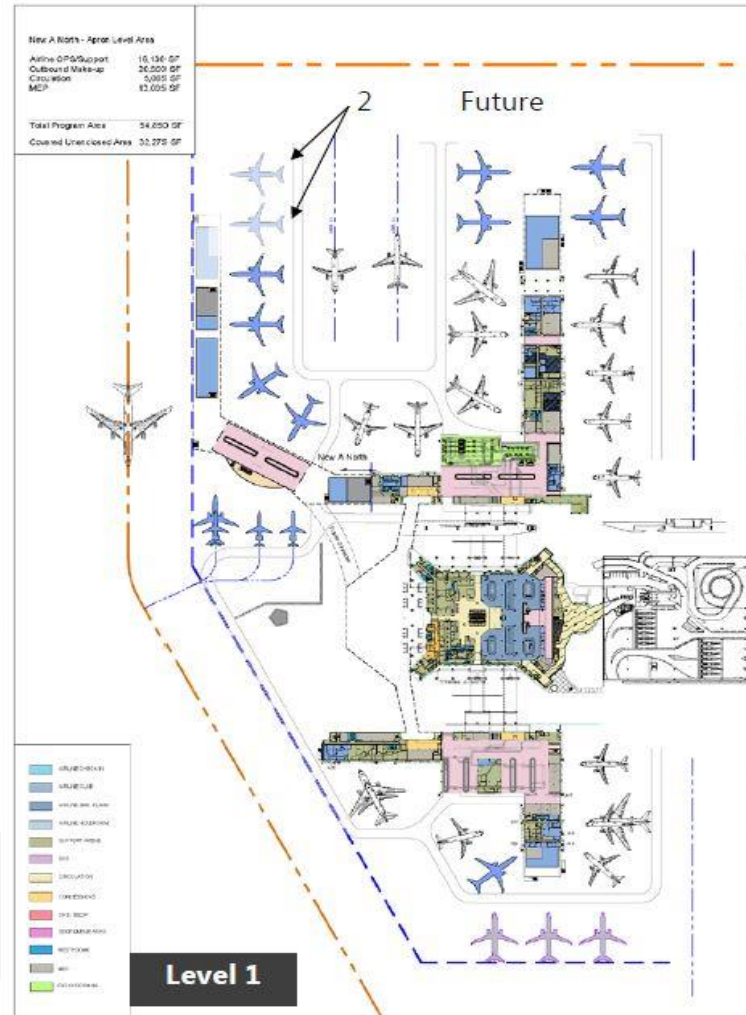
New elevator core cladding & elevator upgrades



Moving Starbucks



Preferred Long-Term Alternatives





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Residential Sound Insulation Noise Program Phase II



Project PN676 B

Residential Sound Insulation Noise Program Phase II



This noise mitigation project consists of 131 homes qualified for sound insulation treatments.

Construction Budget:

- \$10,500,000
- Design-Build

Milestones:

- Solicitation Advertised May 2018
- Letter of Intent to Contractor September 2018
- Construction Start December 2018



Project PN676 B

Residential Sound Insulation Noise Program Phase II

Scope of Services:

- Replacement of windows
- Replacement of doors
- HVAC treatments
- Insulation Upgrades
- Electrical system.

Construction Duration:

- 330 Days from NTP





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IAH Storm Water Pollution Control System



Storm Water Pollution Control System

Strategic Initiative

Construction Opportunity

Budget

\$5,704,000

Milestones

Design – completed Survey
and Subsurface Survey

Bidding Phase 5 to 7 months

Construction 12 to 20 months





Storm Water Pollution Control System



LEGEND

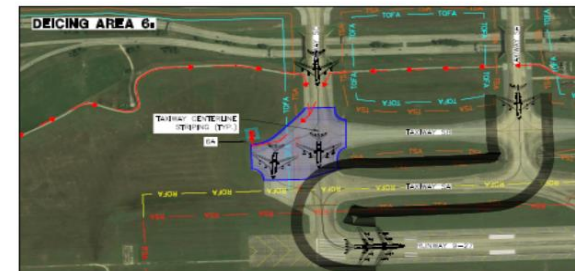
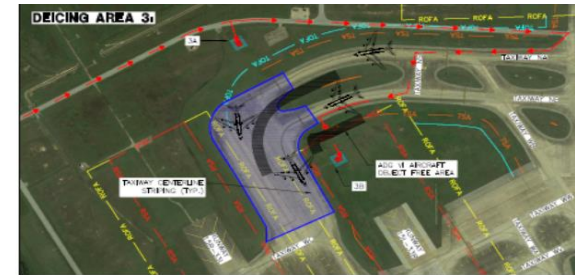
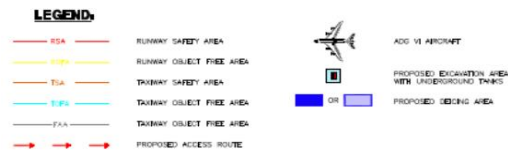
- WET WEATHER DEICING AREAS THIS CONTRACT
- FUTURE WET WEATHER DEICING AREA
- FUTURE FROST DEICING AREA
- DEICING AREAS TO BE ELIMINATED
- X PROPOSED STORMWATER LOCATION AND ENVIRONMENTAL STATION NUMBERS

NOTES

1. STATIONS 1 THROUGH 7 ARE WET WEATHER DEICING STATIONS.
2. STATIONS A, B, C, D, AND E ARE FROST DEICING STATIONS.



Storm Water Pollution Control System





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Terminal A & B Paver Removal & U-Ramp Repairs



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PN 749 Terminal A & B Paver Removal & U-Ramp Repairs

Strategic Initiative

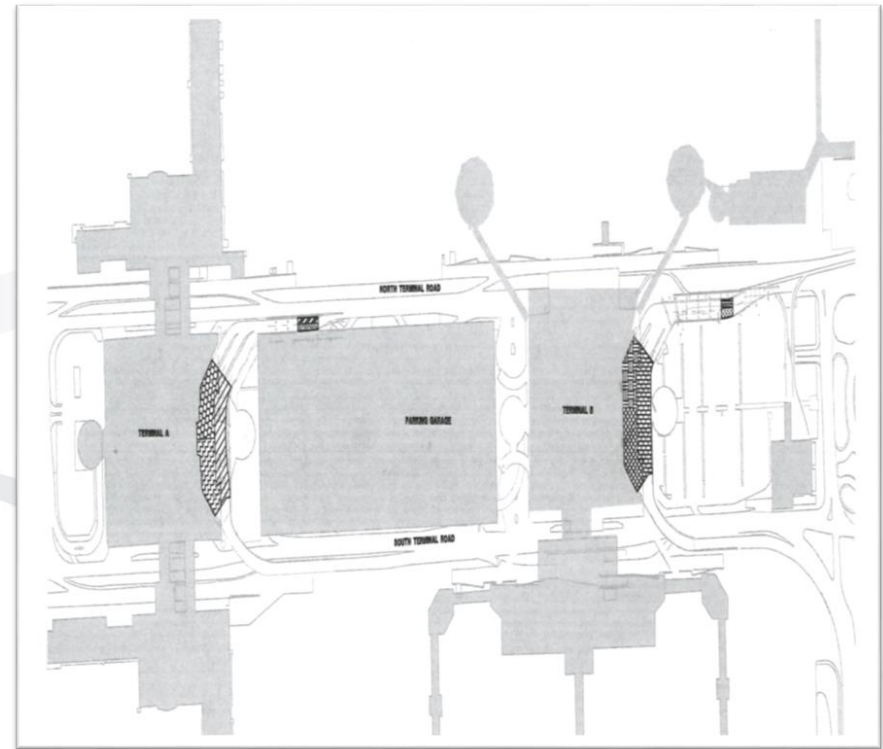
Construction Opportunity

Budget

\$1,663,000 (8/2015)

Status

Cancelled bid on 4/10/2018





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PN 749 Terminal A & B Paver Removal & U-Ramp Repairs





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Various IAH Terminal Sign Packages



Various IAH Sign Packages

- Terminal Signage - Replace wayfinding, room identification signs, rebranding of the Skyway Stations, clean up and standardization of miscellaneous signs, and Curbside signage
- Garage signage – Replace vehicle and pedestrian wayfinding and integrate the Automated Parking Guidance System into our standard wayfinding signage.

Various IAH Sign Packages

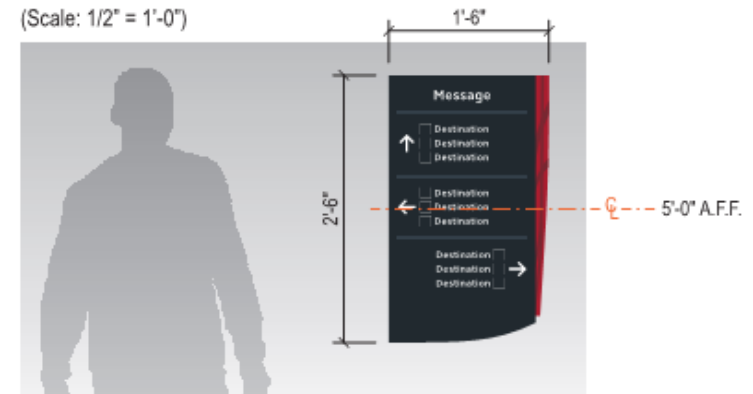
- Trades involved – Signage fabrication and installation, drywall patching, acoustical ceiling replacement, & painting





Various IAH Sign Packages

- Terminal A – Advertise Construction May 2018
- Terminal C – Advertise Construction April 2019
- Terminal C Garages - Advertise Construction May 2019
- Term. A/B Garages - Advertise Construction May 2019
- Terminal B - Advertise Construction May 2019



1-DR.31 Wall Mount Plaque Directional w/ 1/2" text
- 1-3 directions / multiple message variations
- Arrow = 2"; Symbols = 1"; 1 Side



Upcoming Solicitations



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Upcoming Solicitations



Although many current and upcoming solicitations that are facilitated by HAS can be found on the HAS website (<http://www.fly2houston.com/biz/>), there are several other solicitations facilitated by SPD that require you to monitor and obtain solicitations directly from the SPD website (<http://purchasing.houstontx.gov/bids.html>).

Projected Procurement Opportunities for all other areas within the COH can be accessed via the following link:

<http://purchasing.houstontx.gov/files/FY2016%20Procurement%20Plan.pdf>



Upcoming Solicitations



The following is a sampling of miscellaneous projects that are anticipated to be solicited during COH FY 2019:

- Security Guard Services
- Janitorial Services
- IT Consulting Services
- Regulated Garbage
- Solid Waste Disposal
- Window Cleaning Services
- Aircraft Support / Baggage Handling Services
- Landscape and Horticultural Services



Procurement Process Reminders



- The Quiet Period Begins On The Date The Solicitations Are Published
- Contact Only With The Designated Procurement Specialist
- Quiet Period Extends Until An Award Recommendation Appears On A City Council Agenda, Including A City Council Committee Meeting Agenda



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Rolling Owner-Controlled Insurance Program (ROCIP)



Rolling Owner-Controlled Insurance Program (ROCIP)

Program Objectives:

- Seeking Broker of Record And Insurance Program Administrator.
- ROCIP Anticipated to Provide Worker's Compensation, General and Excess Liability, And Builder's Risk Insurance Coverage.
- Selected Firm to provide risk management related services including risk analysis, underwriting, market / solicitation, Safety And Loss Prevention Services, consultation, and policy maintenance services.
- Selected Firm to Provide Services to support ITRP and Houston Airports' and selected Capital Improvement Plan projects.
- ROCIP Anticipated to be in place 8-10 Years.



Rolling Owner-Controlled Insurance Program (ROCIP)

Evaluation Criteria and Scores

Respondents will be evaluated as based upon the following criteria:

- Qualifications, Knowledge, and Experience of Key Personnel
- Management Approach and Proposed Administrative Services
- Proposed annual service fee
- Team Track Record and Experience Working Together
- Resources and Capacity
- Timeline and Approach to Provision of Services
- Financial Capabilities
- MWBE Compliance



Rolling Owner-Controlled Insurance Program (ROCIP)

Diversity Requirements

The Goal on the Rolling Owner-Controlled Insurance Program (ROCIP) is 24%

The ROCIP Contract will Require Broker to Make a Good Faith Effort to Achieve These Goals with the Firms Listed in the Proposal M/WBE Utilization Schedule



Rolling Owner-Controlled Insurance Program (ROCIP)

Tentative Solicitation Timeline:

- Pre-Proposal Conference: 06/2018
- Council Agenda Date: 09/2018



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Small On-Call Repairs

Small On-Call Repair Service Program

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- Introduction – Intended for multiple SBE certified contractors. A task order to the contract would not exceed - \$50,000, and offer program experience allowing the Contractors to compete for larger contracts

Trades/Disciplines to be represented:

- Civil/Site Preparation/Restoration
- Electrical
- Interior Building Repair
- Painting
- Roof / Waterproofing
- Structural (Steel / Concrete)
- Pavement Repairs
- Signage (Interior and Roadway)
- Plumbing

Participants will be required to submit:

- Management approach
- Firm Background and Experience with Scope of Work, including similar project experience
- Qualification and Experience of personnel and any Subconsultants
- Financial capabilities

Small On-Call Repair Service Program

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Proposed Program Schedule:

- Pre-Proposal Conference: 07/2018
- Council Agenda Date: 10/2018
- ❖ Vendor selection will be based on the evaluation of the criteria identified in the Contractors' proposal



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Small Firm On-Call Design



Small On-Call Design Contracts

Introduction - Intended for multiple discipline A/E Consultants. Approximate value of a single individual assignment - \$50,000

Trades/Disciplines to be included:

- Office Remodeling
- Restroom Remodels
- Interior Design
- Landscape
- Electrical Modifications
- Roofing/ Building Envelope design
- Wayfinding and Signage
- Parking Lots
- Structural Modifications
- Drainage Improvements
- HVAC & Plumbing Modifications
- Pavement Repairs



Small On-Call Design Contracts

Respondent's must meet the U.S. Small Business Administration (SBA) size standards.

- The SBA defines size standards for architectural businesses as no more that 7.5 million/year in annual receipts and no more than \$15 million/year in annual receipts for Engineering Services. Respondents must have maintained these billing receipts for at least 3 years.

Prequalification Submittal Package shall contain:

- Firm's Management approach
- Firm Background and Experience with Scope of Work, including similar experience
- Qualification and Experience of personnel and any Subconsultants (Minimum qualifications)
- Financial capabilities



Small On-Call Design Contracts

Typical On-Call Services

- Architectural Services
- Mechanical/ Plumbing Eng.
- Civil Engineering
- Electrical Engineering
- Plumbing Engineering
- Structural Engineering
- Interior Design
- Landscape Architecture
- Scheduling
- Construction Administration
- Geotechnical Engineering
- Topographical Engineering
- Wayfinding Signage
- Vertical Transportation
- Moisture Protection and Forensics
- Governing Agency Code Compliance
- Security
- Investigative Discovery
- Sustainability/ Commissioning
- QA/QC- Design
- Constructability Reviews
- Budget Compliance/ Cost Estimation
- Technology (HAS IT Standards)



Small On-Call Design Contracts

Proposed Program Schedule

- Estimated Date of RFP Issued: May 2018
- Council Agenda Date: September 2018

❖ Vendor selection will be based on the evaluation of the criteria identified in the Consultant proposal



Environmental Remediation And Demolition

Task Order Contract

HAS Asset Planning - Environmental

HAS Asset Planning - Environmental



- Upcoming
 - Environmental Remediation and Demolition Task Order Contract
 - Multiple Firms
 - Scope
 - » Asbestos/Lead/Mold Abatement
 - » Demolition
 - » Tank Removal
 - » Soil Remediation

- Estimated Advertisement (TBD)
- Competitive Sealed Proposal
- Estimated Contract Award – (6 Months)



INF



Question & Answer Opportunity