Infrastructure Industry Day

May 8, 2018

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

• 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
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

- **Program Budget**: ~$1.3bn
- **Program Completion**: 2024
## ITRP Procurement Update

<table>
<thead>
<tr>
<th>PROCUREMENT ACTION</th>
<th>PROCUREMENT METHOD</th>
<th>PROCUREMENT STATUS</th>
</tr>
</thead>
<tbody>
<tr>
<td>East Aircraft Remote Parking Hardstand</td>
<td>Design-Build (RFQ Two Step Process)</td>
<td>Procurement Cancelled. Functionality no longer required with revised MLIT concept.</td>
</tr>
<tr>
<td>Program Management Office (PMO)</td>
<td>Design-Build (RFQ Two Step Process)</td>
<td>Contract awarded</td>
</tr>
<tr>
<td>MLIT Design Services</td>
<td>Architect Engineer (AE) Design Services (RFQ)</td>
<td>Contract awarded</td>
</tr>
<tr>
<td>MLIT Construction Manager at Risk</td>
<td>Construction Manager at Risk (CMAR)</td>
<td>Contract awarded</td>
</tr>
<tr>
<td>Owner’s Controlled Insurance Program (OCIP)</td>
<td>Request for Proposals (RFP)</td>
<td>Procurement Cancelled. To be replaced with a Rolling Owners Controlled Insurance Program.</td>
</tr>
<tr>
<td>FIS Construction Manager at Risk</td>
<td>Construction Manager at Risk (CMAR)</td>
<td>Contract award recommendation pending.</td>
</tr>
<tr>
<td>IAH Energy Initiatives</td>
<td>Request for Qualifications (RFQ)</td>
<td>RFQ specifications and scope of services under development.</td>
</tr>
</tbody>
</table>
International Terminal Complex – Phase 1

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

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

STERILE

INTERNATIONAL TERMINAL – CENTRAL PROCESSOR

International Terminal Complex – Phase 1

IAH Terminal Redevelopment Program
International Terminal Complex – Phase 2

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

Aircraft Type

<table>
<thead>
<tr>
<th>Type</th>
<th>No.*</th>
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<tbody>
<tr>
<td>Group VI</td>
<td>2</td>
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<tr>
<td>Group V</td>
<td>11</td>
</tr>
<tr>
<td>Group III</td>
<td>3</td>
</tr>
<tr>
<td>Group III (Excluding Int. Arrivals)</td>
<td>5</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>21</strong></td>
</tr>
</tbody>
</table>

Note:
Indicative layouts and subjective to further design, review and airfield planning. Phase start defined by demand based triggers.
International Terminal Complex – Phase 3

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
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
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
Infrastructure
FAR 139 Pavement Projects

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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
Networking Break
Infrastructure
Upcoming Project Information
Capital Improvement Plan (CIP)
HAS Capital Program FY18-22

(Values in 1,000s)
Terminal A Modernization Program
Terminal A Modernization Program

- **Restroom Renovations:**

![Diagram of Terminal A Modernization Program]

05.07.18 318pm rev
Terminal A Modernization Program

- **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
• **Check-in Lobby Enhancements:**

  - New elevator core cladding & elevator upgrades
  - Moving Starbucks
Preferred Long-Term Alternatives
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
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
Storm Water Pollution Control System
Terminal A & B Paver Removal & U-Ramp Repairs
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
PN 749 Terminal A & B Paver Removal & U-Ramp Repairs
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

(Scale: 1/2" = 1'-0")

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

Andre Morrow
Supply Chain Management
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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:

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
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
Small On-Call Repairs
Small On-Call Repair Service Program

• **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
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
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 Engineering
- 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
Timeline

- Estimated Advertisement (TBD)
- Competitive Sealed Proposal
- Estimated Contract Award – (6 Months)
Question & Answer Opportunity