



Houston Airport System IAH Terminal Redevelopment Program (ITRP) Program Implementation Update

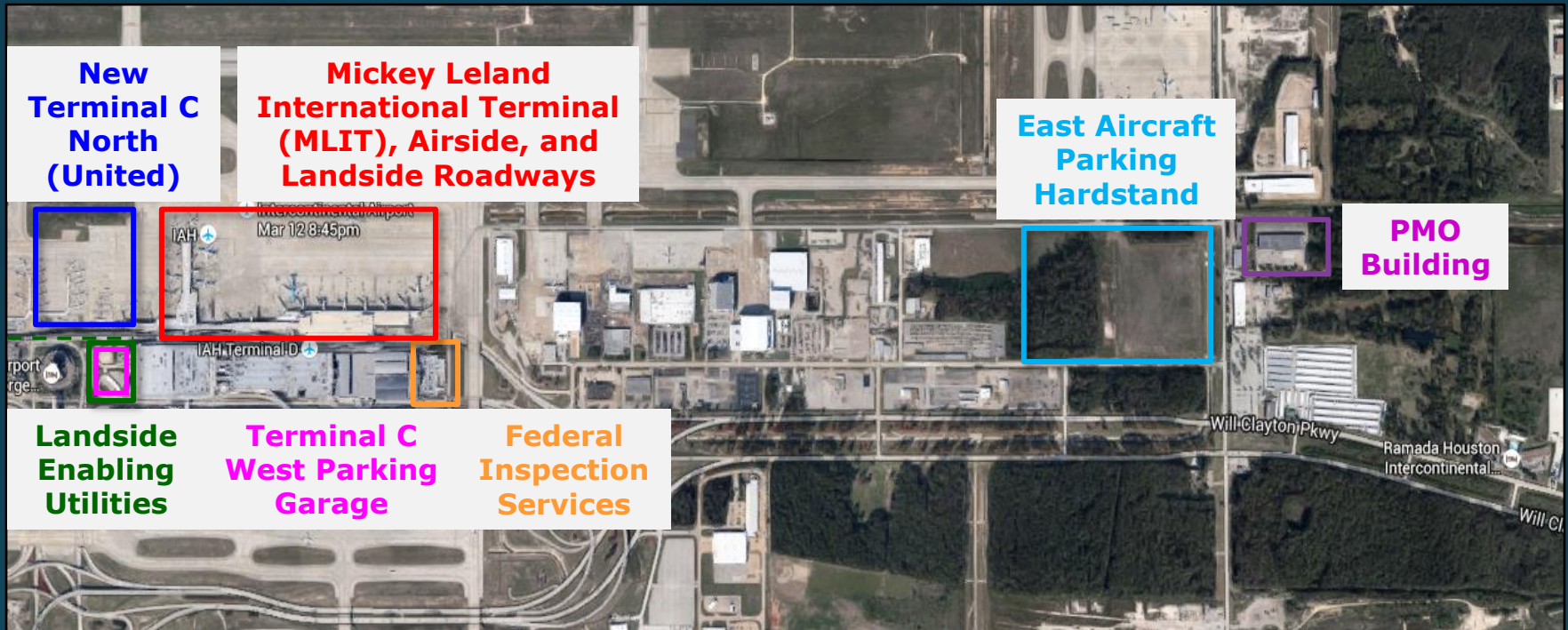
November 19, 2015

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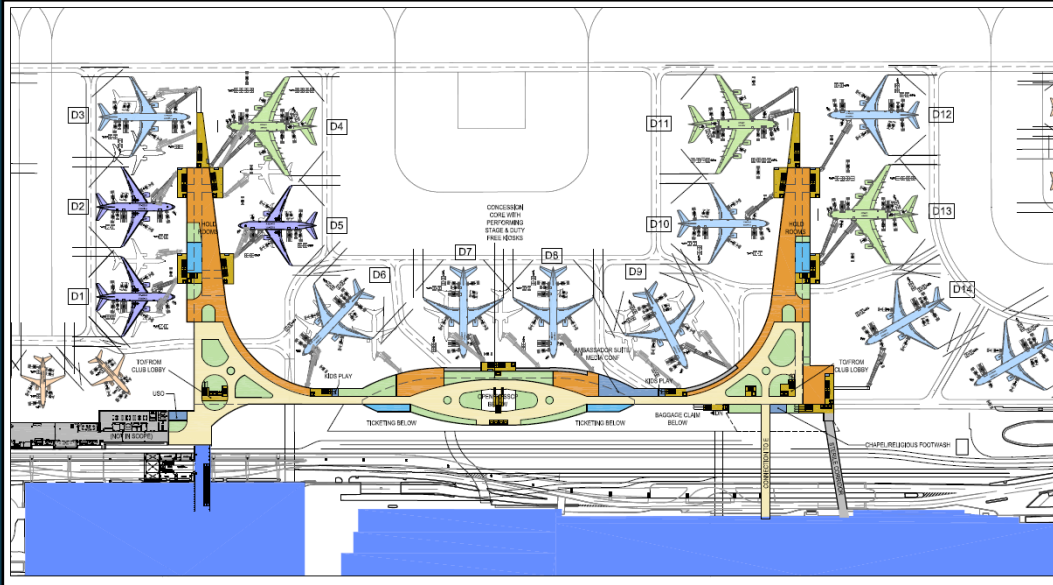
- Presentation Outline
 - Program Overview
 - Procurement Actions
 - Solicitation And Selection Process
 - Office Of Business Opportunity Update
 - Contract Award Recommendations
 - Contract Cost Estimates
 - Projected Near Term ITRP Milestones



ITRP Scope – Individual Projects



Mickey Leland International Terminal (MLIT)



MLIT Procurement Packages

- Terminal Architect Engineer Design Services
- Terminal Construction-Manager-At-Risk Services
- Airside/Airfield Architect Engineer Design Services
- Airside/Airfield Construction-Manager-At-Risk Services



Mickey Leland International Terminal (MLIT) Vision

- ✓ **Convenient**, Simple, Functional And Intuitive For Entire Passenger Experience;
- ✓ **Flexible** Design For Future Innovation And Changes To Technology, Operations And Security;
- ✓ **Technology-Enabled** For Automated Processing And Customer Convenience;
- ✓ Creating A **Sense Of Place**, Reflective Of The Houston Community And Environment;
- ✓ **Contemporary** And Timeless Design With Use Of Natural Light For An Open Expansive Feel;
- ✓ **Modular** Features To Enable Off-Site Construction With On-Site Assembly To Expedite Construction, Reduce Material Waste, Control Quality, And Enable Easier Interior Updates;
- ✓ **Maintainable** Facilities And Systems That Consider Whole-Life Cycle Costing; and,
- ✓ **Sustainable** And Energy Efficient.



ITRP Development Historical Timeline - 1

- Budget And Fiscal Affairs Presentation April 2014
- Completed Program Definition Manual June 2014
- Industry Day Public Outreach Event August 2014
- Completed Utilities Master Plan September 2014
- Industry Day Public Outreach Event September 2014
- Formed Construction Education Collaborative January 2015
- Industry Day Public Outreach Event March 2015
- Mobilized Executive Program Manager March 2015
- Approved United Airlines Lease Agreements March 2015



ITRP Development Historical Timeline - 2

- Mobilized Program Management Support Services April 2015
- Developed Specifications, Solicited Key Procurements:
 - MLIT Architect Engineer Design Services July 2015
 - MLIT Construction-Manager-At-Risk Services July 2015
 - East Aircraft Parking Hardstand Design/Build Services July 2015
 - Program Management Office Design/Build Services July 2015
 - Owner's Controlled Insurance Program July 2015
 - Landside Enabling Utilities Design/Build Services August 2015
- Approved Interim Financing Facility October 2015
- Construction Education Collaborative Groundbreaking October 2015



Procurement Actions

Overview Of Solicitation And Selection Process

PROJECT	PROCUREMENT METHOD
MLIT Architect Engineer Design Services	Request for Qualifications (RFQ)
MLIT Construction-Manager-At-Risk Services	Construction Manager at Risk (CMAR)
Landside Enabling Utilities	Design-Build RFQ (Two Step Process)
East Aircraft Parking Hardstand	Design-Build RFQ (Two Step Process)
Owner's Controlled Insurance Program (OCIP)	Request For Proposals (RFP)
Program Management Office (PMO)	Design-Build RFQ (Two Step Process)

- Two Year Planning Process
- Active SPD And HAS Collaboration
- Multiple Industry Days
- Consensus Scoring
- Design Committee
- Recommendations Made
- Proposals For PMO Rejected



Overview Of Selections Process – Evaluation Teams - 1

- MLIT Architect Engineer Design Services
 - HAS Senior Managers (Evaluators)
 - Design Committee (Observers)
 - Airline Representatives (Observers)
 - Executive Program Manager (Observer)

- MLIT Construction-Manager-At-Risk Services
 - HAS Functional Managers (Evaluators)
 - PWE Senior Manager (Evaluator)
 - Airline Representatives (Observers)
 - Executive Program Manager (Observer)

- Owner's Controlled Insurance Program
 - HAS Functional Managers (Evaluators)
 - COH Risk Manager (Observer)



Procurement Actions

Overview Of Selections Process – Evaluation Teams - 2

- Landside Enabling Utilities Design/Build Services
 - HAS Functional Managers (Evaluators)
 - Program Management Team (Observers)
- East Aircraft Parking Hardstand Design/Build Services
 - HAS Functional Managers (Evaluators)
 - Program Management Team (Observers)
- Program Management Office (PMO) Design/Build Services
 - HAS Functional Managers (Evaluators)
 - Program Management Team (Observers)



Procurement Actions Overview Of Selection Process – Consensus Scoring

- SPD Had Oversight Of Procurement Process
- Evaluations Based On Technical Criteria
- Technical Scores Developed Applying Consensus Scoring
- Oral Interviews Conducted With Top Proponents
 - Proponents Provided Questions In Advance
 - Non-HAS Observer Participation
 - Shortlisted Construction-Manager-At-Risk Firms Observed Interviews
 - Oral Interviews Scored Based On Solicitation Criteria
- Second Interviews Held With Top Two MLIT Architect Engineer Design Services Firms
- Selection Recommendations Made To HAS Director



Procurement Actions Overview Of Selection Process – Introduction of Observers

- United Airlines
- Intercontinental Foreign Flag Airlines
- American Institute Of Architects (AIA)
- University Of Houston School Of Architecture
- Rice University School Of Architecture
- Prairie View A&M University School Of Architecture



Contract Award Recommendation MLIT Architect Engineer Design Services

- 9 Statements Of Qualifications Received
- 3 Firms Shortlisted, Participated In Interviews
- Recommended Contract Award: Fentress Architects, Ltd.
 - MWBE Goal: 30%; Participation Plan: 32.65%
 - MWBE Sub-Consultants:

STOA International Architects	RdlR Architects
Smith & Company Architects	Huerta & Assoc. Architects
Archi*Technics	Bradlink
Henderson & Rogers	Jones Engineers, LP
Hunt & Hunt Engineering	4b Technology Group
PGA Engineers	Isani Consultants
United Engineers	OMEGA Engineers
Clark Condo	



Contract Award Recommendation Landside Enabling Utilities Design/Build Services

- 4 Statements Of Qualifications Received
- 3 Firms Shortlisted, Participated In Interviews
- Recommended Contract Award: Hensel Phelps/Atkins
 - MWBE Goal: 19.5%; Participation Plan 19.75%
 - MWBE Sub-Consultants:

HT&J, LLC	Isani Consultants
4b Technology Group	Aviles Engineering Corp.
Vesta Rea & Associates	Shah Smith & Associates



Contract Award Recommendation East Aircraft Parking Hardstand Design/Build Services

- 5 Statements Of Qualifications Received
- 3 Firms Shortlisted, Participated In Interviews
- Recommended Contract Award: J. Banicki/Texas Sterling
 - MWBE Goal: 33.51%; Participation Plan 33.51%
 - MWBE Sub-Consultants:

Ferguson Consulting	Quadrant Consultants
English + Associates Architects	Infrastructure Associates
Henderson & Rogers	Gorrondona & Associates
4b Technology Group	HVJ Associates
Fronza & Francis	



Procurement Actions Owner's Controlled Insurance Program

- 6 Proposals Received
- 3 Firms Shortlisted, Participated In Interviews
- Recommended Contract Award: Marsh USA, Inc.
 - MWBE Goal: 24%; Participation Plan: 58%
 - MWBE Sub-Consultants:
 - Borris Miles Insurance Agency



Current ITRP Procurement Actions Estimated Contract Appropriations And Total Values

Contract	Estimated Initial Appropriation	Estimated Total Contract Value*
MLIT Architect Engineer Design Services	\$ 50,095,000	\$ 50,095,000
MLIT Construction-Manager-At-Risk Services	\$ 6,234,461	\$ 601,858,000
Landside Enabling Utilities Design/Build Services	\$ 5,047,000	\$ 58,096,000
East Aircraft Parking Hardstand Design/Build	\$ 2,725,462	\$ 34,646,000
OCIP Broker/Administrator Services	\$ 5,500,000	\$ 5,500,000
TOTAL	\$ 69,601,923	\$ 750,195,000

* Reflects Un-Escalated Values



Projected Near Term ITRP Milestones - 1

- Public Outreach Industry Day Event November 20, 2015
- Requests For Council Action December 2, 2015
 - Approve MLIT Architect/Engineer Design Services
 - Approve MLIT Construction-Manager-At-Risk Services
 - Approve Landside Enabling Utilities Design/Build Services
 - Approve East Aircraft Parking Hardstand Design/Build Services
 - Approve Owner's Controlled Insurance Program Services



Projected Near Term ITRP Milestones - 2

- Upcoming Procurement Solicitations
 - Solicit PMO Design/Build Services: January 2016
 - Solicit MLIT Airside Design Services: February 2016
 - Solicit MLIT Airside CMAR Services: February 2016
 - Solicit FIS Architect Engineer Design Services: TBD
 - Solicit FIS Expansion CMAR Services: TBD
 - Solicit Terminal C West Parking Engineering Design: TBD
 - Solicit Terminal C West Parking CMAR Services: TBD
- Begin HACEC Training Courses February 2016





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