IAH Terminal Redevelopment Program (ITRP)
Radio Intermediate Distribution Frame (RIDF) Relocation
Transportation, Technology & Infrastructure Committee Meeting
September 3, 2020
IAH Terminal Redevelopment Program (ITRP) - Scope Overview

- New Terminal C North Concourse – Apron & Utilities
- International Terminal – North Concourse Project
- International Terminal – Central Processor & Federal Inspection Service Project
- Enabling Utilities – Landside Project
- Infrastructure Division Office (IDO) Building Project

Program Budget - $1.3B
Program Completion - Early 2025
International Terminal Complex - Scope

NEW CONSTRUCTION

RENOVATION

NEW D WEST PIER

INT’L ARRIVALS CORRIDOR

FUTURE D CENTRAL PIER

FUTURE D EAST PIER

MLIT NORTH CONCOURSE

NEW BAGGAGE SCREENING BUILDING

NEW INTERNATIONAL TERMINAL
This RIDF room houses mission critical radio communications equipment that supports the public safety operations for IAH and the COH’s 20,000 first responder radios.

It houses equipment for multiple tenants (e.g. City of Houston, HPD, HAS, Federal Agencies, and Humble PD.)
Why is the Relocation of the RIDF required?

- The demolition of the Terminal D/E parking garage is a key enabling project to allow for the construction of the New International Terminal Processor.
- The parking garage demolition requires the relocation of the RIDF room on the top deck.
- An alternate site has been selected after review with Stakeholder’s and FAA.
- The new RIDF needs to be operational prior to closing the existing.
- The RIDF contains Mission Critical Radio Communications Equipment supporting public safety operations for the City of Houston’s (COH) First Responders, IAH Operations, as well as Federal Agencies.
- RIDF is a critical link for the COH radio communication network and acts as an active redundant master site for the COH.
- The RIDF new site and operational relocation will be approximately 11 months, including design, construction (1 Year Warranty), commissioning and decommissioning of the existing RIDF Room.
- The ITRP Program will fund the approximate cost of work ($8.6M).
Public Safety Communications

- Radio Network Infrastructure
  - 2 Master Sites (Primary & Redundant)
  - 8 Prime Sites (Primary and Redundant)
- Radio Shops (2)
- Network Operations Center
- Radio Network Core
- 52 Tower Sites
- 92 Radio Microwave Paths
- Approximately 400 managed FCC licenses
- 13 Dispatch Console Sites (119 Dispatch Consoles)
- NICE Audio Logging System
- 108 Air Conditioners
- 42 Generators
As part the HITS briefing on upcoming projects for 2020 in Oct 2019, the RIDF Relocation was listed:
Proposed Approach

- The existing equipment was provided, installed and is currently maintained / supported by COH HITS-RCS and Motorola, Inc.
- Motorola, Inc. is the only service provider that can perform this scope:
  - with minimal risk to the operations of IAH and the COH radio networks,
  - without voiding current warranties and maintenance and support contract,
  - without replacing COH existing infrastructure,
  - installation of their proprietary software, and
  - with a complete understanding of the encryption methods and policies employed by the COH radio network (originally provided by Motorola, Inc).
- The existing contract with Motorola, Inc has already been extended to the maximum amount, this contract vehicle is not able to be used.
- The existing DIR Contract can be used and supports additional COH terms and conditions.
- Includes one year of warranty on the equipment.
- **The proposed approach is to expand the DIR Contract with Motorola, Inc to include this work.**
Thank you