



# PROFESSIONAL INFORMATION TECHNOLOGY CONSULTING SERVICES

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# Professional IT Consulting Services

**Vendors** Burns Engineering Inc.  
 Jacobs Engineering Group, Inc.  
 GCR Inc. (dba Civix)

Approve an amending ordinance to **increase the combined maximum contract amount by \$6.9M** for Professional IT Consulting Services and **add spending authority for the Houston IT Services Department**

**Purpose:** Primary Services provided by these on-call technology services include:

- Technology Planning & Studies
- Application Development & Hosting
- Design Services
- Program/Project Management
- Information Technology Security Services

**Departments** Houston Airport System (HAS)  
 Houston Information Technology Services (HITS)\* (\*expanding to include HITS)

<b>Spending Authority</b>	Original combined amount (all contracts)	\$10,500,000.00 (HAS only)
	<u>Proposed increase:</u>	<u>\$ 6,900,000.00 (HAS + HITS)</u>
	Revised total combined amount:	\$17,400,000.00 (HAS + HITS)

**Term** 3 years | 2 One-Year Options (no change)

**MWBE** 24%

# Initial Aviation-Related Use cases

## Aviation Professional Services | Overview

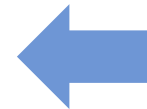


### Qualifications:

- ❑ 10 Years of Experience IT Planning and Project Management Services at top 50 airports as defined by Airport Council International (ACI) and greater than \$10 Million.
- ❑ 3 Firms w/30 Plus Years | Negotiating

### Key Components:

Technology Planning & Studies	Innovation Labs   Strategy
Application Development & Hosting	Data Mgmt.   Cloud   Build vs. Buy
Design Services	Spec/Drawing Docs
Program/Project Management	Advance Project Portfolio
IT Security Services	Enhance Security Posture



Presented by HAS in original TTI presentation on March 5, 2020



## Aviation Professional Services | Overview



- ❑ **Mission:** We exist to connect the people, businesses, cultures and economies of the world to Houston
- ❑ **Vision:** Establish Houston as a **five-star global** air service gateway where the magic of flight is celebrated

### Key Projects:

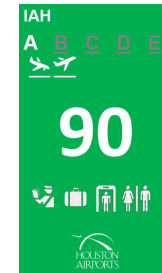
Curb to Gate	Safety Management System
Incident Management System	Employee Scheduling
Employee Scheduling	Smart Restroom Mobile App
Data Warehouse	Biometric Entry   Exit
5G Readiness Plan	Increase Cyber Security Posture
Ground Transportation Mgmt. System	Electronic Badging



# Projected Expansion of On-Call Services

Focusing on maintaining Hobby Airport's Skytrax 5-star rating and continuing the journey for Bush Intercontinental Airport:

- Continue to deliver and expand on Skytrax project portfolio to move IAH from 4-star level to 5-star. 29 overall categories impacting the customer experience are audited with many of the categories being extremely technology intensive.
- Build a real-time scoreboard measuring a variety of factors impacting the passenger experience (Detect, Assess, React, Predict). Typical journey elements include:
  - Roadway traffic
  - Parking
  - Curbside dwell
  - Checkpoint Queue
  - Concessions
  - Restrooms
  - International Arrivals processing
  - Baggage
- Realignment and support of 5-year strategic plan (post pandemic adjustments)



# Projected Expansion of On-Call Services



Additional contract capacity and spending authority will allow **HITS** to engage the contractors on additional City initiatives with similar scope for other departments:

- Citywide security camera system standards, governance, and interoperability
- Analysis of camera use case and design specs for **Illegal Dumping** surveillance options
- Expansion of Public Safety Video Network (PSVN) to include camera feeds from third parties & related **One Safe Houston** initiatives
- Communications equipment room inspection and re-design
  - Communications cabling, cable tray, racks, etc.
  - Electrical primary and backup power
  - HVAC
  - Grounding
  - Lighting
  - Access control & surveillance



# Spending Authority Overview

Department	Sum of FY20	Sum of FY21	Sum of FY22	Sum of FY23	Estimated FY24	Esitimated FY25	Department Total
HAS 8011- Airport Improvement	\$ 921,717.00	\$ -	\$ 484,286.00	\$ 1,490,000.00	\$ 1,380,000.00	\$ 1,325,825.10	\$ 5,601,828.10
HAS- 8001 Revenue	\$ 44,825.00	\$ 761,563.30	\$ 488,400.00	\$ 2,143,279.89	\$ 1,525,923.22	\$ 1,434,180.49	\$ 6,398,171.90
HITS- 1002 Central Service Revolving Fund	\$ -	\$ -	\$ 89,960.00	\$ -	\$ 1,575,000.00	\$ 1,500,000.00	\$ 3,164,960.00
HITS- 4515 Contributed Cap. Project Fund	\$ -	\$ -	\$ -	\$ 810,040.00	\$ -	\$ -	\$ 810,040.00
HITS- Other Funds	\$ -	\$ -	\$ -	\$ -	\$ 712,500.00	\$ 712,500.00	\$ 1,425,000.00
<b>GRAND TOTAL</b>	<b>\$ 966,542.00</b>	<b>\$ 761,563.30</b>	<b>\$ 1,062,646.00</b>	<b>\$ 4,443,319.89</b>	<b>\$ 5,193,423.22</b>	<b>\$ 4,972,505.59</b>	<b>\$ 17,400,000.00</b>

Current total Contract	\$ 10,500,000.00
Spending Authority Requested	\$ 6,900,000.00
New Total Contract	\$ 17,400,000.00

# Q&A

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Questions?