



Microwave Radio Backhaul Replacement Phase 2

TTI Presentation

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Bottom Line Up Front






Vendor	Motorola
Purpose:	Request appropriation of approved CIP funding to replace end of life microwave radios that directly support the public safety radio network. These radios are used to link 52 radio tower sites together. This system is a shared resource with GHC911 and Harris CO. These tower sites provide radio communications and radio interoperability throughout the region for public safety and mission critical city services. The requested appropriation will cover the planned option years through the expiration of each tower site agreement.
Requested Appropriation Amount:	\$ 2,213,000
Primary Department Users:	HITS (including SWD & MYR MOSE) HFD, HPD, HPW, HAS & 30+ fee-based external user entities

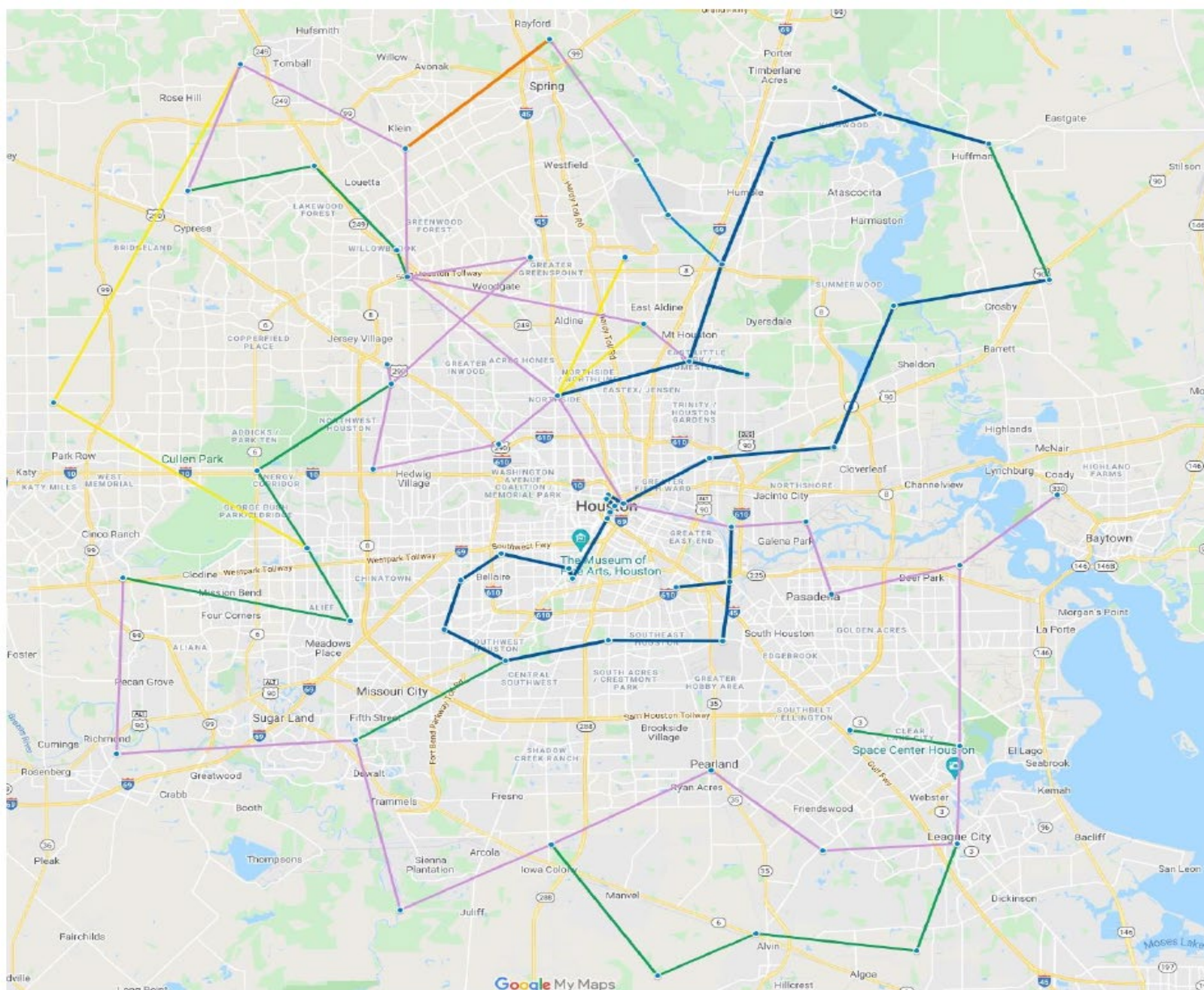
Milestones w/ Completion Dates	Milestone Invoice Amount	Funding Source	Fund #	GL Account	Funding Amounts
1 Design Review	\$ 444,513.19	UASI-Grant	5030	521615	\$ 300,000.00
Jan-22		SHSP-Grant	5030	521615	\$ 78,928.96
		Previously Funded CIP	4504	521615	\$ 65,584.23
					\$ 444,513.19
2 Equipment Shipped	\$ 1,336,291.40	CIP	1800	521615	1,336,291.40
Apr-22					1,336,291.40
3 Installation, Integration, Testing, C	\$ 888,133.91	CIP	1800	521615	\$ 876,708.60
Aug-22		Previously Funded CIP	4504	521615	\$ 11,425.31
					\$ 888,133.91
4 Final Acceptance	\$ 296,044.64	Previously Funded CIP	4504	521615	\$ 296,044.64
Nov-22					\$ 296,044.64
Total	\$ 2,964,983.14				\$ 2,964,983.14

Microwave Paths and Funding Sources for Phase II

RADIO SYSTEM OVERVIEW

- ❖ Over **50 radio tower sites** equipped with towers, equipment shelters, radio transmission equipment, generators & DC power systems
- ❖ 25,540 radios operational on the system
- ❖ Portable and Mobile Radio Inventory
 - Police - 6,682 (Portable), 2,107 (Mobile)
 - Fire - 1,450 (P), 650 (M)
 - HITS - 676 (P), 643 (M)
 - PWE - 391 (P), 61 (M)
 - SWD - 621 (M)
 - COH Radios – 12,166
 - External Agency Radios - 6,649
- ❖ FY21 Radio System Availability was **99.9973%**

-  **COH PHASE 1**
-  **COH PHASE 2**
-  **REFRESH COMPLETED**
-  **BIAH MOVE**
-  **FIBER / LEASED (NOT MW)**



AGENCY PARTNERSHIPS

COH provides radio services to 30+ external agencies



Revenue Generated (2013 – 2021): **\$8,394,915**

Questions?

