

TRANSBAY JOINT POWERS AUTHORITY

REQUEST FOR PROPOSALS No. 18-02 TWO-WAY RADIO SYSTEM

QUESTIONS & ANSWERS

The following questions related to the above-referenced RFP were received at the pre-proposal conference on April 23, 2018:

1. Q: How many supplemental radios are anticipated to be needed prior to obtaining the specified radios?

A: Refer to Addendum No. 1 for quantity.

2. Q: Will San Francisco Police Department officers carry these radios?

A: Yes. However, the primary radio users will be the contract security guards and the building maintenance staff. An emergency responder radio communication system, which is separate from the distributed antenna system (DAS), is being installed in the transit center.

3. *Q: Does TJPA have an FCC license?*

A: No, this is an item of the scope of work.

*Q: Has any testing of radios been conducted in the facility?*A: No.

5. *Q:* When will the distributed antenna system be installed?

A: The DAS is currently being installed. Information describing the system is attached.

6. *Q*: Will the radios be operated on all levels of the facility?

- A: Yes, but operations on the two below-grade levels will be limited.
- 7. *Q: Are transit operator radios to be covered by the system?*A: No.
- 8. Q: Are the IP consoles required now or for future operations?
 - A: IP consoles will be needed in August 2018.

Attachment

Additional information regarding cellular/UHF/VHF DAS:

TJPA has contracted with Boingo to install a Neutral Host Distributed Antenna System (DAS) in the Salesforce Transit Center. The system will support all current commercial cellular frequencies with the ability to upgrade for future 5G requirements.

Also supported will be the UHF/VHF systems identified by TJPA for use in the venue.

The distributed antenna system takes an RF source - such as would transmit from a cell tower or UHF broadcast site - converts the RF source to be transmitted over fiber optic cable throughout the transit center, and then converts the signal back to RF to be transmitted via small antennas closer to the end customer/subscriber at a lower power.

This enables signals that do not travel well through large venues constructed of steel and concrete to reach the cellular and two-way radio users.

The head end equipment is located in the MDF room in the transit center. The equipment chosen to support the transit center DAS is the SOLiD Alliance Platform, using a combination of SOLiD's 5 watt and 20 watt remote units.

The attached 8 sheets show the DAS equipment installation locations in the transit center.



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Revision history 3/2/2017 SOLiD Preliminary Design (Not for Construction) 2 4/7/2017 SOLiD Full Ground Coverage. TMob BTS 2100 Updates 3 4/11/2017 SOLiD /HF HE & Pass filter at Roof Park update
I1 6/26/2017 SOLiD update Roof level design I3 6/28/2017 update roof modeling and sector plan Project name REV4_Transbay Transit Center SF ADDRESS San Francisco CA Designer name SOLiD Plan name Design plan





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High power	Remote Unit				
Splitter					
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JHF canister	antenna	 			
Directional s	mall antenna(EXTENT D5977)				
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Revisio	on history
1	3/2/2017 SOLiD
Prelim	inary Design (Not for Construction)
2	4/7/2017 SOLiD
Full Gi	round Coverage. TMob BTS 2100 Updates
VHF F	E & Pass filter at Roof Park update
11	6/26/2017 SOLiD
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