

**Before the
Federal Communications Commission
Washington, D.C. 20554**

In the Matter of)	
)	
Public Notice)	PS Docket No. 06-229
Office of Management and Budget Grants)	
Emergency Approval for Information Collection)	DA 10-1097
Managed under 700 MHz Waiver Petition Order)	
In PS Docket 06-229)	
)	

INITIAL QUARTERLY REPORT OF THE CITY OF BOSTON

Respectfully Submitted on Behalf of
MAYOR THOMAS M. MENINO

By and through

William G. Oates, Chief Information Officer

And

Donald R. Denning, Jr., Public Safety CIO
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Department of Innovation and Technology,

City of Boston
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July 17, 2010

In compliance with the Public Notice¹, and the requirement of the FCC's Waiver Order² the City of Boston respectfully submits its initial quarterly report. The Public Safety Spectrum Trust has reviewed the content of this report.

I. Planning

Expected timing for development of and issuance of any RFI/RFP

The City of Boston is currently in the process of drafting an RFI/RFP to be issued during Q4 CY10. The RFI/RFP content will be based upon background information previously collected during the BTOP grant application process as well as leveraging the Bay Area documents used as part of their process as well as a review of the interoperability showings submitted to the FCC on 19 July 2010. If we believe that we are able to provide sufficient detail about certain specifics (mostly in the areas of interoperability of networks) we will issue the document as an RFP. If key details are still missing we will issue as an RFI and utilize the RFI responses to assist the City in drafting a comprehensive RFP for issuance in Q1 of CY11.

The City of Boston has met with numerous vendors and commercial providers over the past quarter to help us understand deployment and partnership models. Vendor contacts included Motorola, Inc, Alcatel-Lucent Corporation, AT&T Wireless and Verizon Wireless. With the assistance of the PSCR team at NIST, the City is still in the process of creating additional vendor contacts to assist in the RFI/RFP process. The City has been participating in the PSST OAC.

As required by the order, the City of Boston has sent notification to the Chief Information Officer of the Commonwealth of Massachusetts and is currently awaiting an acknowledgement of our intent to deploy.

On 12 July 2010, the City of Boston submitted their Spectrum Lease Agreement to the PSST for their approval. The City did not request any modifications to the lease agreement.

There is one incumbent narrowband voice user licensed within the Commonwealth. The Massachusetts State Police are authorized by the FCC under license WQFN732 to operate two paired frequencies within the band 14

¹ See Public Notice, Office Of Management And Budget Grants Emergency Approval For Information Collection Mandated Under 700 Mhz Waiver Petition Order In PS Docket 06-229, FCC DA 10-1097, OMB Control #3060-1140 (Released 17 June, 2010)

² See FCC Order, In the Matter of Request for Waiver of Various Petitioners to Allow the Establishment of 700 MHz Interoperable Public Safety Wireless Broadband Networks, ¶64. PS Docket 06-229, FCC 10-79 (Released May 12, 2010). (the "Waiver Order")

broadband allocation. These two voice pairs are used by the State Police for mobile vehicular repeaters under station class MOI with a maximum ERP of 2.0 Watts. The use of these pairs is mostly confined to the western part of the Commonwealth but is licensed for statewide operation. The Massachusetts State Police are aware of our waiver and impending spectrum lease agreement and we are working closely with Motorola and MSP to come to a resolution that will not impede our deployment or the operational needs of the incumbent.

A review of the FCC license system shows no other narrowband incumbents in the adjacent states with the exception of the City of Stamford, CT, which is approximately 175 miles away from our geographical area of operation

II. Funding

The City of Boston through the information-gathering phase engaged vendors and partners to assist use with creating a preliminary network design. Based upon the information gathered, the City submitted a grant application to the BTOP program for approximately \$24,000,000.00 of which approximately \$16,000,00.00 would be federally funded. On 16 July 2010, the City was notified by NTIA, that their BTOP application was entering the “due diligence” phase. The FY11 City of Boston Capital Budget has been approved by the City Council and will be utilized to fund the cash portion of the matching funds requirement of the BTOP grant as directed in the grant guidance. Additional capital funding requests are planned to meet continued needs of the build out.

As stated above, the City of Boston FY11 capital funding will be utilized to begin the build out of the network during FY11 in anticipation of a BTOP grant award. The City of Boston has a comprehensive long-term capital budget process that will continue to fund the build out over a 24-month period. We are also investigating other grant opportunities through the UASI HSGP and PSIC programs.

III. Deployment

Status of equipment development and purchase, including number of devices and users

At this time no equipment has been deployed or purchased

Site development, including use of existing towers

The preliminary design developed with the assistance of the vendor base calls for 20 eNode-B sites to provide adequate coverage within the operational area.

As part of the preliminary design process, we targeted City owned properties. The sites selected are considered for first order selection, as many of them are

existing LMR sites, future LMR sites or sites that will require minimum construction. With the exception of one site, all are under full control of the City or City authorities. The one exception is a state controlled facility that is currently a City LMR site. As we move forward with a more detailed and comprehensive network design we, will continue to leverage City owner site locations to minimize any construction costs. The City of Boston fiber optic network currently serves all but one site. We anticipate no extraordinary permitting delays due to site selection.

We foresee no right of way issues with our current site selections.

We are not planning on any new site acquisitions as all sites that were selected in the preliminary design are City owned (with the exception of the formerly mentioned State site.)

The City is conducting tower structural analysis studies at certain sites in anticipation of deployment.

We are also working at upgrading a building enclosure at the state operated site as part of a different project. The upgrade will allow sufficient physical space to support the eNode-B equipment at that site.

Deployments and upgrades (commencement and completion), including site information and location

As the City has not yet entered into a contract with a vendor to deploy, we are unable to provide a detailed deployment schedule. As part of the preliminary information gathering process, we anticipate beginning to deploy physical site equipment during Q2 or Q3 of CY11. Completion is targeted for 24 months following project start.

Applications in development or in use

In anticipation of the availability of the Public Safety Broadband Network, we are increasing our capability to support mobility VPNs over commercial carriers with the understanding that our current investments will be applicable to the new network.

We are also in the process of procuring new Computer Aided Dispatch and Automated Field Reporting and designing these applications to leverage the network's full capability.