

**CITY OF PORTLAND**  
OFFICE OF MANAGEMENT AND FINANCE  
Charlie Hales, Mayor  
Jack D. Graham, Chief Administrative Officer

186281  
Ben Berry  
Chief Technology Officer  
Bureau of Technology Services  
1120 SW Fifth Ave., Suite 450  
Portland, Oregon 97204-1912  
(503) 823-5198  
FAX (503) 823-5194  
TTY (503) 823-6868

October 9, 2013

Mr. Mayor, Members of the Council:

I want to add my support and recommendation regarding the City's Emergency Radio System project and this important phase which is before you today. I regret that I am not able to attend this session in person and am appreciative of the opportunity to provide input in the form of this statement.

The Portland Radio System is a complex, public safety grade mission-critical voice communication system for first responders and emergency service providers. It currently supports more than 6,000 radio users inside and outside the City, across the entire Multnomah County area, with additional mutual aid partners and interoperability expectations in Washington County, Clackamas County, and Clark County, Washington. The importance of maintaining emergency radio communications has been highlighted recently in the national and local news. The evidence clearly shows that failure to receive information over a radio communication system results in the loss of life!

Over the previous 12 months, the radio system has handled nearly 24 million transmissions across its 24 channels. To put that into perspective the system averages about 3.3 transmissions every second; a rate that is increasing each year. These increases are but one aspect of why a replacement radio system is overdue. The system has also reached its limits in maintainability and availability of replacement equipment. The Emergency Radio System project was initiated to not only alleviate this concern, but to also move the communications system into a current Public Safety standard, known as Project 25.

In light of our close association with partner agencies in the region and our daily interaction with those partners, our expectations and goals concerning interoperability and the longevity of our system were clearly expressed in the RFP. A majority of those goals are worth restating at this time:

- Provide a solution that leverages existing communications infrastructure to the greatest extent possible for the benefit of City taxpayers;
- Provide radio System Users with at least the same, but preferably better, level of coverage as the existing system;
- Provide radio System Users with at least the same, but preferably better, levels of functionality and configurability as the existing system;
- Provide the flexibility to enable the City and partner agencies to take advantage of operability in mixed mode to support a managed migration of subscriber radios, and potential integration with emerging technologies such as Public Safety Long-Term Evolution (LTE) technology;
- To provide interoperability within the region, enhance interoperability with local, regional, state, and federal first responder agencies and provide reserve capacity for use during major public safety and/or catastrophic events.

---

*An Equal Opportunity Employer*

*To help ensure equal access to programs, services and activities, the Office of Management & Finance will reasonably modify policies/procedures and provide auxiliary aids/services to persons with disabilities upon request.*

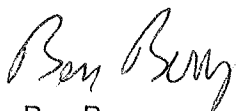
These goals are achieved with this contract and the build-out of our replacement Radio System. By preserving the current legacy system as much as practical, it maintains the high level of interoperability we currently have in the region, preserves our ability to communicate with our regional partners on different radio systems, and allows them to communicate back to us without the need to purchase additional equipment.

In my role as Chief Technology Officer and Director of the Bureau of Technology Services, I have maintained a focused participation in this project. The project team, led by PSSRP, has worked diligently to take the task of replacing this system through the correct preparative steps and appropriate City procurement processes and arrived at a solution that will serve the City and our radio partners for years to come. At the PSSRP Executive Steering Committee meetings, the Quality Assurance representatives have given high marks to how this project has progressed to this point.

The pending contract with our long-standing partner, Motorola Solutions, will result in the best available radio system for the City, our partners and our region. It will provide the correctly designed system with long-term sustainability at a reasonable cost. The stated goals in the areas of technology, interoperability, system capacity, radio coverage and sustainability will be realized.

And I am proud to give my recommendation to this Council that it approve the contract and direct the City Staff to continue to move forward in rebuilding our Public Safety Radio System.

Thank you,

A handwritten signature in black ink, appearing to read "Ben Berry". The signature is fluid and cursive, with the first name "Ben" and last name "Berry" clearly distinguishable.

Ben Berry  
Chief Technology Officer

Portland, Oregon  
**FINANCIAL IMPACT and PUBLIC INVOLVEMENT STATEMENT**  
**For Council Action Items**

(Deliver original to City Budget Office. Retain copy.)

1. Name of Initiator Jeff Baer		2. Telephone No. 823-5540	3. Bureau/Office/Dept. OMF/PSSRP
4a. To be filed (hearing date): October 9, 2013	4b. Calendar (Check One) Regular <input checked="" type="checkbox"/> Consent <input type="checkbox"/> 4/5ths <input type="checkbox"/>		5. Date Submitted to Commissioner's office and CBO Budget Analyst: September 19, 2013
6a. Financial Impact Section: <input checked="" type="checkbox"/> Financial impact section completed		6b. Public Involvement Section: <input checked="" type="checkbox"/> Public involvement section completed	

**1) Legislation Title:**

\*Authorize contract with Motorola Solutions, Inc. to provide a public safety emergency radio system for a not to exceed amount of \$18,289,174.26 (Ordinance).

**2) Purpose of the Proposed Legislation:**

This legislation will authorize the execution of a contract with Motorola Solutions, Inc., to provide and install a replacement public safety emergency radio system, used by the City of Portland and surrounding public safety agencies. Throughout the region, approximately 6,500 mobile and portable devices use and are dependent on this system. The existing radio system is reaching end-of-life. On November 2, 2010, pursuant to the Council's authorization in Resolution No. 36800, the voters approved a bond measure to fund the replacement of the current radio system. In November 2012, RFP No.115097 was released and subsequent responses were reviewed by a team of evaluators composed of City staff, subject matter experts, system users, and a representative from the City's minority evaluator program. That process resulted in the selection of Motorola Solutions, Inc. as the optimum radio vendor to provide a complete radio system replacement. This contract provides a comprehensive, mission critical, interoperable public safety-grade emergency radio system to meet the needs of the City and its partners.

**3) Which area(s) of the city are affected by this Council item? (Check all that apply—areas are based on formal neighborhood coalition boundaries)?**

- |  |                                    |                                    |                                |
|--|------------------------------------|------------------------------------|--------------------------------|
| <input checked="" type="checkbox"/> City-wide/Régional | <input type="checkbox"/> Northeast | <input type="checkbox"/> Northwest | <input type="checkbox"/> North |
| <input type="checkbox"/> Central Northeast             | <input type="checkbox"/> Southeast | <input type="checkbox"/> Southwest | <input type="checkbox"/> East  |
| <input type="checkbox"/> Central City                  |                                    |                                    |                                |

**FINANCIAL IMPACT**

**4) Revenue:** Will this legislation generate or reduce current or future revenue coming to the City? If so, by how much? If so, please identify the source.

No. Ongoing maintenance and support will be funded as it currently is today through the City's Bureau of Technology Services and the participating partner agencies that access the Radio System.

**5) Expense:** What are the costs to the City as a result of this legislation? What is the source of funding for the expense? *(Please include costs in the current fiscal year as well as costs in future year, including Operations & Maintenance (O&M) costs, if known, and estimates, if not known. If the action is related to a grant or contract please include the local contribution or match required. If there is a project estimate, please identify the level of confidence.)*

The contract amount is approximately \$18,300,000. The implementation starts in FY 2012-13 and continues through FY 2015-16. It will be funded with existing PSSRP resources allocated to the Radio project, including \$39,480,000 G.O. Bond funds and approximately \$10 million dollars in dedicated radio replacement reserves accumulated throughout the life of the current radio system.

**6) Staffing Requirements:**

- Will any positions be created, eliminated or re-classified in the current year as a result of this legislation? *(If new positions are created please include whether they will be part-time, full-time, limited term, or permanent positions. If the position is limited term please indicate the end of the term.)*

No.

- Will positions be created or eliminated in future years as a result of this legislation?

No..

*(Complete the following section only if an amendment to the budget is proposed.)*

**7) Change in Appropriations** *(If the accompanying ordinance amends the budget please reflect the dollar amount to be appropriated by this legislation. Include the appropriate cost elements that are to be loaded by accounting. Indicate "new" in Fund Center column if new center needs to be created. Use additional space if needed.)*

Fund	Fund Center	Commitment Item	Functional Area	Funded Program	Grant	Sponsored Program	Amount

[Proceed to Public Involvement Section — REQUIRED as of July 1, 2011]

**PUBLIC INVOLVEMENT**

8) Was public involvement included in the development of this Council item (e.g. ordinance, resolution, or report)? Please check the appropriate box below:

- ☒ YES: Please proceed to Question #9.  
☐ NO: Please, explain why below; and proceed to Question #10.

9) If "YES," please answer the following questions:

a) What impacts are anticipated in the community from this proposed Council item?

The execution of this contract will improve public safety responsiveness and quality of service while enabling first responders to take advantage of new communications tools and prepare for emerging and future technologies.

b) Which community and business groups, under-represented groups, organizations, external government entities, and other interested parties were involved in this effort, and when and how were they involved?

The goods and services contracting community, including contractors certified with the State of Oregon as minority, women, and emerging small businesses were made publicly available on the City's Procurement Services website. They became involved when the project advertised for proposals in November 2012. Three vendors responded and a team of experts reviewed both the technical and the business cases presented by each vendor. Multnomah County and Washington County representatives participated in the selection process. The radio project stakeholders include a Radio Project Oversight Committee (RPOC) the Independent Citizens Committee (ICC) and the PSSRP Executive Steering Committee comprised of the Public Safety Bureau Directors and outside citizen representatives tasked with monitoring the project.

c) How did public involvement shape the outcome of this Council item?

Potential proposers were able to review the request for proposals (RFP), ask questions and provide comments which resulted in addenda to the RFP. A diverse evaluation committee as required under City policy and including public agency subject matter experts and users of the current system participated in the selection of the radio system. Their expertise provided valuable insights and suggestions.

d) Who designed and implemented the public involvement related to this Council item?

The PSSRP Executive Steering Committee approved the Public Safety Radio Charter and project governance which outlines the subject matter experts and the implementation team. City Procurement policies prescribed the evaluation requirements and advertised the competitive RFP which included contractors certified with the State as minority, women, and emerging small businesses. The Chief Administrative Officer formed the ICC and the subsequent Radio Project Oversight Committee to provide citizen involvement in the expenditure of Bond Funds.

e) Primary contact for more information on this public involvement process (name, title, phone, email):

Jeff Baer, PSSRP 823-5540 / Karl Larson, PSSRP 823-5882

**10) Is any future public involvement anticipated or necessary for this Council item? Please describe why or why not.**

Yes. The RPOC, ICC and the PSSRP Executive Steering Committee along with an independent quality assurance consultant will continue to evaluate and monitor the project through completion. Additionally, the Bureau of Technology Services will revise the inter-governmental agreements associated with the public safety radio system, and these agreements will be submitted to Council for review.



APPROPRIATION UNIT HEAD (Jeff Baer, PSSRP Program Office Manager)



# CITY OF PORTLAND

186281

## OFFICE OF MANAGEMENT AND FINANCE

Charlie Hales, Mayor  
Jack D. Graham, Chief Administrative Officer  
Bryant Enge, Director, Bureau of Internal Business Services

Christine Moody  
Chief Procurement Officer  
Procurement Services  
1120 S.W. Fifth Avenue, Rm. 750  
Portland, Oregon 97204-1912  
(503) 823-5047  
FAX (503) 823-6865  
TTY (503) 823-6868

### FOR MAYOR'S OFFICE USE ONLY

Reviewed by Bureau Liaison \_\_\_\_\_

**DATE:** September 25, 2013

**TO:** Mayor Charlie Hales

**FROM:** Christine Moody, Chief Procurement Officer *CM*

**RE:** \*Authorize contract with Motorola Solutions, Inc to provide a public safety emergency radio system for a not to exceed amount of \$18,289,174.26 (Ordinance).

1. **INTENDED THURSDAY FILING DATE:** October 3, 2013
2. **REQUESTED COUNCIL AGENDA DATE:** October 9, 2012
3. **CONTACT NAME & NUMBER:** Christine Moody x31095
4. **PLACE ON:** ☐ CONSENT ☒ REGULAR
5. **BUDGET IMPACT STATEMENT ATTACHED:** ☒ Yes ☐ No ☐ N/A
6. **ONE (1) ORIGINAL OF CONTRACT "APPROVED AS TO FORM" BY CITY ATTORNEY ATTACHED:** ☐ Yes ☐ No ☒ N/A

### 7. BACKGROUND/ANALYSIS:

The City of Portland's public safety emergency radio system is part of the Public Safety System Revitalization Program (PSSRP) and is used by all Portland public safety organizations, the Multnomah County Sheriff's Department and other city, county, and federal agencies located within Multnomah County. These agencies rely on the Radio System for routine and emergency response communications both within their agencies and with other surrounding agencies in the region. Responses to 911 calls are dispatched and coordinated through the emergency radio system.

Presently, the radio system relies on equipment that was designed in the early 1990s and most components of the system are no longer supported by the vendor. This means that no warranties or vendor service agreements are available for the equipment and repairs must be made with used, as-is replacement parts. The equipment is becoming less and less reliable over time, while growing increasingly more difficult and costly to maintain.

The current system also does not meet the Federal Communications Commission's (FCC) new standards for public safety radio transmissions and for interoperability with other jurisdictions. Portland needs to maintain interoperability with other regional and state agencies in order to coordinate responses to events that involve multiple jurisdictions or occur in boundary areas.

APCO P25 is now the new standard for public safety radio and is supported and encouraged by the FCC. This standard uses transmission bandwidth more efficiently and will be implemented throughout the region and the state for new radio equipment. Several other cities, including Seattle, have already moved successfully to, or are in the process of implementing, P25 systems. As a part of the radio replacement project, Portland contracted with Federal Engineering, an expert in radio system design to perform an engineering analysis and recommend a solution that best meets Portland's need and the needs of other radio system users. The contract as negotiated provides a P25 system and incorporates the consultant's recommendations.

On November 2, 2010, Measure 26-117 was placed before the voters to authorize, in part, funding for the replacement of the radio system. Upon approval, the City established an Independent Citizen Committee

### *An Equal Opportunity Employer*

*To help ensure equal access to programs, services and activities, the Office of Management & Finance will reasonably modify policies/procedures and provide auxiliary aids/services to persons with disabilities upon request.*

(ICC) to oversee the projects approved by the voters. Additionally a Radio Project Oversight Committee (RPOC) along with the PSSRP Executive Steering Committee and an independent Quality Assurance consultant actively monitor the project.

In November, 2012, after extensive research and consultation with stakeholders, the City advertised RFP No. 115097. On March 1, 2013 three (3) proposals were received. The proposals were reviewed, evaluated, and scored in accordance with Portland City Code 5.33 by an evaluation team that included representation from the minority evaluator program, City staff, and recognized experts from the public safety radio community in Multnomah and Washington County. Proposal evaluations took place between March and May, 2013. The City issued a Notice of Intent to Negotiate and Award a Contract to Motorola Solutions, Inc., on May 22, 2013 and no protests were received.

Motorola Solutions, Inc has a current City of Portland business license tax account, is in full compliance with the Equal Benefits Program, and their EEO Certification is current through 9/16/2015. Motorola Solutions, Inc. is headquartered in Schaumburg, Illinois and is not a State of Oregon Certified MWESB contractor. Motorola will be subcontracting CommDEX Consulting, LLC, an Oregon certified Minority Owned Business, and Benetti Partners LLC, an Oregon certified Women Owned, Minority Owned, and Emerging Small Business.

The contract with Motorola will allow PSSRP to implement a cost-effective, robust, reliable mission critical radio communications system while meeting the needs of public safety and other users for many years to come.

**Legal issues** - none known

**Controversial issues** – none known

**Citizen participation** – One citizen participated as an evaluator under the Minority Evaluator Program. The Radio Project Oversight Committee, a seven (7) member citizen's group was created to oversee the G.O. Bond fund, provided input and counsel during this project and will continue to be involved through the life of the project.

**Link to current city policies** – none

**Other governmental participation** – Representatives from Multnomah County and Washington County directly participated in the selection process. A number of government stakeholders/users of the current radio system were consulted through the research, design, and evaluation phases.

#### **8. FINANCIAL IMPACT:**

The cost to implement is \$18,289,174.26. This includes post-warranty technical support, infrastructure repair and long term system maintenance throughout a 10 (ten) year cycle. The Public Safety System Revitalization Program (PSSRP) rates the level of confidence as high. Funding is available through PSSRP's existing project budget.

#### **9. RECOMMENDATION/ACTION REQUESTED:**

Authorize a contract with Motorola Solutions, Inc to provide a public safety emergency radio system for a not to exceed amount of \$18,289,174.26.