

GENERAL

Ordinance Fact Sheet

191045

Ordinance Number

Brief Title	Approval Deadline
Authorizing contracts with Motorola Solutions Inc.	

Details

Reason for Legislation

Authorizing the Manager of Procurement Services to enter into a contract with Motorola Solutions Inc. for the construction of Microwave Towers to expand and enhance the P25 citywide radio system of the Kansas City Police Department (KCPD) and the City of Kansas City, MO.).

Discussion

This project is a continuation of an effort to enhance the mobile broadband wireless network for use by KCPD and City started in 2010. This project uses funds previously designated for work on microwave towers for the expansion and enhancement of KCPD's mobile wireless broadband network. This proposal encompasses a coordinated solution to provide the City of Kansas City with an upgrade to their existing microwave and the addition of MPLS Routers. The City of Kansas City would be working with one project team led by Motorola Solutions. This approach includes the advantage of having the system upgrade comprised of one coordinated design and cutover.

Reason

Authorizing the city manager to enter into a contract with Motorola Solutions Inc. for the upgrade of the radio microwaves and enhance the mobile broadband wireless network of the Kansas City Police Department (KCPD); and designating requisition authority

Positions/Recommendations

Sponsor	Earnest Roust, City Manager
Programs, Departments, or Groups Affected	Kansas City Police Department Office of The City Manager All departments
Applicants / Proponents	Applicant Office of the City Manager City Department Kansas City Police Department Other Kansas city Finance Department
Opponents	Groups or Individuals Basis of opposition
Staff Recommendation	<input checked="" type="checkbox"/> For <input type="checkbox"/> Against Reason Against
Board or Commission Recommendation	By KCPD Board of Commissioners <input type="checkbox"/> For <input type="checkbox"/> Against <input type="checkbox"/> No action taken <input type="checkbox"/> For, with revisions or conditions (see details column for conditions)
Council Committee Actions	<input type="checkbox"/> Do pass <input type="checkbox"/> Committee Sub. <input type="checkbox"/> Without Recommendation <input type="checkbox"/> Hold <input type="checkbox"/> Do not pass

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Details

This solution can easily evolve into a High Leverage Network capable of supporting a wide range of future requirements. The new Ethernet network will be designed for 99.999% reliability with 160Mbps of capacity. The existing MDR 8000 radios are End of Life, no longer being sold by Nokia/Alcatel and will be reaching End of Support in the near future. At the same time, Motorola is moving to Ethernet based site links with MPLS routing for future system releases, beginning sometime in 2019-2020. For this reason Motorola is proposing to upgrade the microwave radios to support MPLS routing and Ethernet site links.

Policy/Program Impact

Policy or Program Change	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes
Operational Impact Assessment	

Finances

Cost & Revenue Projections -- Including Indirect Costs	
Financial Impact	This project uses funds previously appropriated for the expansion and enhancement of KCPD's wireless broadband network. There is no additional impact.
Fund Source (s) and Appropriation Account Codes	20-2320-107006-B-611060-10007006 \$ 1,810,152

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