



CITY OF PLANO COUNCIL AGENDA ITEM

CITY SECRETARY'S USE ONLY				
<input type="checkbox"/> Consent <input type="checkbox"/> Regular <input type="checkbox"/> Statutory				
Council Meeting Date:		8/24/15		
Department:		Technology Services		
Department Head		David Stephens		
Agenda Coordinator (include phone #): Sharron Mason x 7247				
CAPTION				
To Motorola Solutions, Inc., increasing the contract by \$149,075 to upgrade radio towers to the latest technical standards for public safety radios, Change Order No. 1. (Contract No. 2015-13-X)				
FINANCIAL SUMMARY				
<input type="checkbox"/> NOT APPLICABLE <input type="checkbox"/> OPERATING EXPENSE <input type="checkbox"/> REVENUE <input checked="" type="checkbox"/> CIP				
FISCAL YEAR:	2014-15	Prior Year (CIP Only)	Current Year	Future Years
		TOTALS		
Budget		0	8,050,000	0
Encumbered/Expended Amount		0	-7,875,000	0
This Item		0	-149,075	0
BALANCE		0	25,925	0
FUND(S): TECHNOLOGY IMPROVEMENTS CIP				
<p>COMMENTS: Funding for this item is available in the 2014-15 Technology Improvements CIP. This change order to upgrade radio towers to the latest technical standards for public safety radios, in the amount of \$149,075, will leave a current balance of \$25,925 available for additional Technology Improvements if needed.</p> <p>STRATEGIC PLAN GOAL: Obtaining a change order to upgrade Plano's radio towers relates to the City's goals of Safe Large City and Financially Strong City with Service Excellence.</p>				
SUMMARY OF ITEM				
See recommendation memo.				
List of Supporting Documents:			Other Departments, Boards, Commissions or Agencies	
Recommendation Memo			NA	



Memorandum

Date: July 16, 2015

To: Jim Parrish, Deputy City Manager
David Stephens, Chief Information Officer

From: Ron Goldsmith, Radio System Manager

Subject: Radio Tower Modifications

The City of Plano Radio Shop manages ten (10) radio tower sites as part of the Plano, Allen, Wylie and Murphy (PAWM) regional communications network. Multiple city departments including Public Safety, Technology Services, Traffic, Public Works, Parks & Recreation and others use these towers.

In December of 2014, The City of Plano purchased a \$7,875,000 upgrade from Motorola to increase the capacity of the PAWM radio network (Contract # 2015-13-X). The upgrade included replacement of two-way radios, radio network infrastructure upgrades and the installation of additional antennas to all radio tower sites. The new antennas increased the radio tower loading and decreased the desired structural safety margin at four (4) of the radio towers located within the City of Plano. These radio towers are critical structures for our day-to-day operations as well as providing our most reliable means of communications in the event of a natural or man-made disaster.

The Radio Shop is requesting approval to upgrade the towers to the latest Grade 1 technical standard for public safety radio towers. This is a new standard designed to ensure the towers will withstand heavy ice accumulation and hurricane level winds. The upgrade will include manufacturing and installation of additional steel bracing for the radio towers. These tower modifications will provide the needed structural stability, as well as provide additional capacity for future projects, while maintaining Grade 1 service.

The modifications and engineering work will be performed by Motorola Solutions. The Radio Shop is requesting approval of \$149,074.56 for the tower upgrade/modification work. The funds to upgrade the radio towers will come from the unused portion of Technology Improvement Fund.