



**City of Racine, Wisconsin**  
**AGENDA BRIEFING MEMORADUM**

<b>AGENDA DATE:</b>	August 27, 2018
<b>SUBJECT:</b>	Radio Equipment
<b>PREPARED BY:</b>	Peter Kinzelman
<b>SUMMARY:</b>	Requesting permission to purchase Trak radio equipment directly from manufacturer.
<b>PROJECT BACKGROUND &amp; ANALYSIS:</b>	<p>As part of the radio replacement project for the police and fire departments, the City needs to purchase a GPS receiver and a modular frequency timer system. These units are required to synchronize multiple radio transmitters for the P25 digital radio upgrade project. These items are necessary for the design of the new digital radio system to expand radio coverage and add a second north-side transmit location to our primary dispatch channel for police.</p> <p>This project will assist in fixing current portable radio coverage issues on the north side of the City, and to improve portable radio coverage within buildings, and in low-lying areas of the City of Racine. Based on coverage analysis, the use of dual simulcast transmitters will significantly enhance communication reliability and officer safety for the police department.</p> <p>These GPS synchronization units would typically be provided as part of the radio system by the radio vendor, but our department became aware that radio vendors add significant mark-up when reselling this equipment, so we contacted the manufacturer for a direct purchase quotation. Staff also obtained a comparison quote from Baycom / Motorola Solutions for the identical equipment. Staff feels that by directly purchasing these units and modules from the original equipment manufacturer, Smiths Interconnect. The City would see an approximately \$14,000 savings from the other quotes.</p>
<b>RECOMMENDED ACTION:</b>	I am requesting to be authorized to purchase two GPS receivers and a modular frequency timer system from Smiths Interconnect as a sole sourced vendor.
<b>FISCAL NOTE:</b>	Funds for this purchase are available in account 45031 57350 at a cost of \$40,100.