Agreement for Intelligent Transportation Management System Radio Computing Infrastructure and Software Update

OCTA

ITMS* Radio Refresh Overview

- **OCTA** operates a land mobile radio system provided by L3 Harris called OpenSky II**
  - Provides voice and data communications to:
    - Fixed-route vehicles
    - Paratransit vehicles
    - Field Supervisors, Maintenance, and Transit Police Services
  - Last updated in 2012
  - Key elements are end of life

*ITMS – Intelligent Transportation Management System

**OCTA – Orange County Transportation Authority

ITMS Radio Refresh Highlights

- Update computing and network infrastructure to comply with current technology and cyber security standards

- Extend Voice Over Internet Protocol (VOIP) technology already incorporated in ITMS (CAD/AVL*) infrastructure

- Enhance and improve interoperability gateways for police and fire with VOIP technology

- VOIP expands coverage of vehicles, field supervisors, maintenance, transit police, and managers

- Positions OCTA to discontinue land mobile radio operations gradually over time with minimal impact to operations

- Allows OCTA to operate both OpenSky and VOIP simultaneously

*CAD/AVL - computer aided dispatch/automated vehicle location

Staff Recommendations

- Authorize the Chief Executive Officer to negotiate and execute sole source Agreement No. C-2-2261 between the Orange County Transportation Authority and L3Harris Technologies, Inc., in the amount of $2,270,723, to update the ITMS radio computing infrastructure and software

- Amend the OCTA Fiscal Year 2022-23 Budget, in the amount of $2,270,723, to accommodate expenses related to sole source Agreement No. C-2-2261 to update the ITMS radio computing infrastructure and software