TSP Mobile Hardware Upgrade

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Project Description

- Procurement and installation of 143 new EMTRAC Vehicle Computer Units (VCUs) and antennas on-board revenue vehicles to replace outdated equipment

- VCUs serve the following functions:
  – Request transit signal priority (TSP)
  – Communicate with pylons at bus rapid transit (BRT) stations
  – Transmit data at Metro Transit garages
  – Open gates at several stations

- Sole source approved with ACT Traffic Solutions

- $697,300 in local funds

Project Purpose and Recommended Action

- 340 revenue vehicles have outdated VCUs
  - Equipment is past manufacturer's recommended life cycle
  - Cannot support further expansion of TSP network
  - Incompatible with desired TSP operations on several routes

- Ensures entire BRT-dedicated fleet has most up to date equipment

- Partially upgrades local route fleet
  - Second phase of upgrades for the remainder of the revenue fleet planned for 2025

- Recommended action: That the Metropolitan Council authorize the Regional Administrator to negotiate and execute a sole source contract 24P288 with ACT Traffic Solutions in an amount not to exceed $697,300.