



To: Dustin Anderson – Town Manager

From: Stephen Gunty – Director of Public Works

Subject: GPS vehicle monitoring system

Meeting Date: March 1, 2021

The Public Works Department seeks to enhance its current GPS vehicle monitoring system that currently utilizes Verizon Connect cellular connections to monitor 35 vehicles (primarily pickups, dump trucks, street sweepers and heavy equipment). The system provides information on vehicle speeds, locations, idle times and mileage driven. We would like to enable 9 additional vehicles with this AVL (automatic vehicle location) feature to bring the monitored vehicle total to 44 vehicles.

Budget Note

All required software and wireless charges for this expansion to our GPS vehicle monitoring system is funded out of the technology fund acct #247-114-02-63205. The actual hardware devices needed as part of this GPS vehicle monitoring system were already acquired & funded out of the technology fund at a one-time cost averaging about \$82.00 per vehicle and were installed by Public Works to reduce costs. We seasonally deactivate 2 large dump trucks each summer (April 1 – Nov 1) and 2 sweepers each winter as a cost savings that the GPS program allows.

Therefore, no further hardware devices are needed as the 9 additional cellular connections requested will activate hardware devices already on hand, leaving 1 de-activated device as a spare if ever needed. However, there is a wireless plan charge for each additional device of \$16.19/month. The 9 additional cell plans requested will result in 44 total monitored vehicles at \$145.71 in additional monthly fees (i.e. \$1,748.52 annually) for enabling the AVL feature on 9 more vehicles.

Recommendation: By motion and voice vote, approve acquisition of 9 additional wireless plans required to enable the AVL feature for 9 more fleet vehicles.