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To: Mr. Steve Summers, Waunakee Community School District

From: Paul Mennen, Lamers Bus Lines, Inc.

Re: Potential Technology Updates/Upgrade Cost

Per our past meetings, we had a discussion on what options and associated costs would be available to Waunakee Community School District as it relates to Bus Audio and Video Surveillance systems and Routing Software that can be used to enhance student safety and communications between parents, schools, and transportation operations.

The cost to replace/upgrade all audio/video camera systems in the buses serving the district with the same technology, make, model, and features would cost about \$2,000 per vehicle. This cost would equip each large-size route bus with 4 cameras inside of the bus, and a 5th camera mounted on the stop arm outside of the bus which is designed to capture vehicles that perform an illegal passing. The smaller route buses will be equipped with the same system and set up; except they will have 3 cameras inside the bus. The current fleet serving Waunakee is about 32 buses which includes spare and activity trip buses. My recommendation is to use the Seon Camera Systems.

The cost to upgrade the current VersaTrans routing software from Tyler Technologies to their web-based Traversa Student Transportation program which can also be integrated with the school district's Student Information System would not cost the district any added money as we are doing this with many of our customers. However, the Traversa program is an all-in-one web-based student routing software program that can integrate GPS and tablets installed on the buses. This will provide drivers daily with the most up to date routes and tracks the bus location to allows parents via an app to find their child's busing information and see their child's bus location. This can also be used for scanning students on and off the bus, allowing the parents and schools to know when and where a child got on and off the bus.

Traversa also compares the planned route times versus the actual route times, allowing transportation staff to know where to make route adjustment and find efficiencies.

The cost to equip each bus with Traversa Tablets and student scanning hardware is \$1,800 per bus. There is also the cost unless the district has the equipment and program to create student ID cards that can be used to scan on and off the buses.

The total cost of these updates/upgrades for 32 buses would be approximately \$121,600.00 plus the cost of the student ID cards. There are some annual recurring software fees.