

## INFORMATION ATTACHMENT

### BUS OPERATOR INFORMATION SCREEN AND DETOUR COMMUNICATIONS SOFTWARE

#### Background

Clever Devices installs and supports the hardware and software for the Advanced Communications System (ACS) that includes an Automated Vehicle Locator (CAD/AVL) system, Automatic Voice Annunciation System and Computer Aided Dispatch (CAD). Clever constantly improves upon its equipment in an effort to provide its customers with the latest transit communications technology. Each GRTC bus is equipped with a Transit Control Head (TCH) which allows the operator to connect and activate all of the functionality offered in the ACS suite. GRTC has 47 buses in its fleet using outdated TCHs that will no longer be supported by Clever Devices. Upgrading to the newest TCH will not only allow those buses to continue to utilize the ACS modules but it will also allow staff to install a new module called Disruption Management Solution.

#### Highlights

- Since these services can only be provided by Clever Devices. GRTC has classified this purchase as a sole source procurement. FTA regulations for sole source procurements require GRTC to conduct the appropriate analysis to determine that the quoted price is fair and reasonable. Staff has conducted the required analysis and has made such a determination.
- The TCH hardware will enable the following functionality:
  - Over 200 standard dashboards and reporting tools that measures the scheduled plan of service against the service that was actually delivered so that Planning and Scheduling can improve and revise schedule plans, reduce costs and improve efficiencies.
  - Bus operators will have the ability to complete pre and post trip reports, see route detours and GPS location, report any vehicle damage before and after completing their route and monitor their real-time adherence to the route schedule.
  - An emergency alarm on the TCH.
  - Operators will have the ability to report any electronics, farebox or destination signage issues.
- The TCH upgrade priced at \$307,787 includes equipment, software, training and installation.
- The Disruption Management Solution enables Clever CAD users to make schedule and route adjustments in real-time to quickly restore service that has been disrupted due to unplanned circumstances. All changes are immediately reflected onboard the affected vehicles, on wayside signage, on the mobile app and online to give passengers the information they need to get where they are going with as limited an impact as possible. The solution priced at \$244,132 includes software licenses, training, extended software maintenance for two years and integration with GRTC's scheduling software.

- This purchase will be funded with federal, state and local funds.

Source	Federal 5307 (28%)	State (68%)	Local (4%)
Grant #	1458-2019-1		
Amount Funded	\$86,180	\$209,295	\$12,312
Source	Federal (80%)	State (0%)	Local (20%)
Grant #	1458-2020-1		
Amount Funded	\$195,306		\$48,826

Recommendation

That the Board of Directors authorizes the CEO to issue a purchase order to Clever Devices for \$551,919 for the purchase of Transit Control Heads, Disruption Management Solution and related software licenses, training and installation.

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 Eldridge F. Coles, Secretary  
 GRTC Board of Directors

Date \_\_\_\_\_