

**PROJECT TITLE:** GPS Bus Tracking System and Payroll Device

**DESCRIPTION:** onboard computer data collection device with GPS location gathering and communication, with specific ties to payroll, maintenance and route reporting systems for Clemson Area Transit.

**JUSTIFICATION & IMPACT:** Currently CAT has no system in place to produce digital reports needed and real-time route location information.

**HISTORY & REMARKS:** Clemson University, CAT's largest partner, has requested the GPS unites be installed on each bus to aid students in better time management. The payroll portion would create digital reports that would reduce paper use and generate more efficient reports.

Maintenance and statistical information required for reporting can also be obtained digitally through the system and quickly assimilated for CAT staff and partners use.

**METHOD FOR ESTIMATING CAPITAL COST:** CAT is testing similar units with a cost of around \$2,400 each, including tax. CAT intends to purchase 23 units for \$55,200. Installation, technical support, reporting documents and licensing fees are believed to be available at approximately \$105,000

**DEPARTMENTAL PRIORITY:** High  
*High, Moderate or Low*

**ANNUAL OPERATING COST:**

**REVENUE GENERATED:**

\*\*\*\***PLANNING YEARS**\*\*\*\*

<u>FUNDING TO DATE</u>	<u>2014/2015 BUDGET</u>	<u>2015/2016 BUDGET</u>	<u>2016/2017 BUDGET</u>	<u>2017/2018 BUDGET</u>	<u>2018/2019 BUDGET</u>	<u>PROJECT TOTAL</u>
\$	\$160,000	\$	\$	\$	\$	\$

**ACTIVITY SCHEDULE:**            **FROM-TO:**            **COST:**  
Track the 3 trial GPS units' information    Fall 2014    Previous payment

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Total		<b>\$160,000</b>
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<u>FUNDING SOURCE</u>	<u>AMOUNT</u>	<u>% OF TOTAL</u>
5309 Grant	\$128,000	%80
Capital Reserve	\$32,000	%20

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Total	\$160,000	
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**PROJECT TITLE:** VHS to Digital Camera Conversion

**DESCRIPTION:** Replace Police Cruiser VHS Video Recorders with Digital Recorders

**JUSTIFICATION & IMPACT:** VHS equipment is no longer being produced and replacement parts will not be available. Policy dictates police cruisers will be dead lined if the camera system is not usable. Converting to digital will allow the cameras to be maintained and keep cruisers on the road.

**HISTORY & REMARKS:** The State has been issuing and maintaining our VHS cameras. However, the SC DPS is currently replacing all VHS units with digital mobile camera units. We have just found out the current VHS systems will no longer be maintained. Priority will now be given to state agencies and larger local government agencies at a replacement rate of approximately 150 to 175 units per year.

**METHOD FOR ESTIMATING CAPITAL COST:**

**DEPARTMENTAL PRIORITY: High**  
*High, Moderate or Low*

**ANNUAL OPERATING COST:** Under warranty for first two years. Potentially \$6,000 each year after. SC DPS will no longer be maintaining the units

**REVENUE GENERATED:**

\*\*\*\*PLANNING YEARS\*\*\*\*

<u>FUNDING TO DATE</u>	<u>2014/2015 BUDGET</u>	<u>2015/2016 BUDGET</u>	<u>2016/2017 BUDGET</u>	<u>2017/2018 BUDGET</u>	<u>2018/2019 BUDGET</u>	<u>PROJECT TOTAL</u>
\$	\$6,000	\$60,000	\$	\$	\$	\$66,000

**ACTIVITY SCHEDULE: FROM-TO: COST:** \_\_\_\_\_

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Total \$66,000.00

<u>FUNDING SOURCE</u>	<u>AMOUNT</u>	<u>% OF TOTAL</u>
Hospitality Fee (14-15)	\$6,000	
Hospitality Fee (15-16)	\$40,000	
General Fund (15-16)	\$20,000	

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Total \$66,000.00

Notes:

The SC DPS has currently been issuing and maintaining our mobile video systems. We have been fortunate over the past several years not to incur the equipment or maintenance costs for these units. The units issued over the last several years have all been VHS units. Recently we had to send a vehicle to Greenville for repairs. When that officer returned with their vehicle we were suddenly informed the VHS units will no longer be maintained due to VHS parts not being produced any longer. (See attached letter form the maintenance provider for the SC DPS) Capt. Stone, our fleet maintenance coordinator, contacted the SC DPS program manager and found out the following:

- Support of VHS units will be discontinued by the manufacturer
- SC DPS is currently replacing all State enforcement vehicles with digital units
- All State enforcement vehicles and then larger county/municipal agencies have priority
- Mobile units are being replaced at a rate of approximately 150 to 175 units annually
- The program manager informed Capt. Stone it could be up to 5 to 8 years before this agency would receive any benefit from the SC DPS program

Given recent National events where mobile cameras were not in use; coupled with the fact this agency in of itself clearing officers of wrongful complaints made against them because mobile video was available, this is an issue that must be reviewed very quickly. All of this information became known to this agency just within the past couple of weeks; which is why it was not discussed during our recent budget sessions. It should also be known the police department policy is to not allow a vehicle to be used for patrol operations without an operable mobile video system.

Capt. Stone did find out from the SC DPS program manager that the State approved vendor for the units being placed in the State vehicles has made an agreement to replace other agencies at a reduced cost per unit should the agency decide to do so. A full replacement cost \$5,000.00 plus installation. The agreement is to upgrade current VHS units to the approved digital unit at a cost of \$2,750.00 per unit plus installation of \$400.00 per unit. The police department currently has 21 mobile video units that would require upgrading.

BELOW IS THE ATTACHED LETTER FROM THE MAINTENANCE VENDOR



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Total \$35,000.00

Notes:

Police Radio Repeater:

The installation estimate includes a concrete pad for the outdoor, climate controlled cabinet that will cover the repeater; a certified tower climber to install all required antennae mounting hardware and the antennae system; grounding of all required items; and the removal of the current repeater from the Clemson House.

