

#1, OFF-BOARD FARE COLLECTION SYSTEM ALBANY, SCHENECTADY, RENSSELAER & SARATOGA COUNTIES

<p>LOCATION: All CDTA transit lines in the four counties of Albany, Schenectady, Rensselaer & Saratoga.</p> <p>DESCRIPTION: Installation of off-board fare collection system for CDTA which provides for the use of electronic smart cards, web portals, barcode ticketing, retail & administrative point of sale terminals, central & garage data systems and infrastructure to manage devices.</p> <p>SET-ASIDE: RG28 (Intelligent Transportation Systems)</p> <p>COST: \$ 1,918,000 LIFE: 12 years</p> <p>SPONSOR: CDTA (Capital District Transportation Authority)</p> <p>PAVEMENT CONDITION: N/A</p> <p>FUNCTIONAL CLASS: N/A</p> <p>AADT: N/A</p> <p>ON PRIORITY NETWORK(S): Transit, Access Mgmt., ITS, Freight, Bike/Ped (Various)</p>	<table> <tr> <td>BENEFIT/COST RATIO</td><td>11.5</td></tr> <tr> <td>TOTAL BENEFITS (\$k/yr)</td><td>\$2,628</td></tr> <tr> <td>SAFETY</td><td>\$N/A</td></tr> <tr> <td>TRAVEL TIME</td><td>\$1427</td></tr> <tr> <td>OPERATING/ENERGY*</td><td>\$1201</td></tr> <tr> <td>ENERGY/USER</td><td>\$0</td></tr> <tr> <td>LIFE CYCLE VALUE</td><td>\$0</td></tr> <tr> <td>OTHER</td><td>\$0</td></tr> <tr> <td>ANNUALIZED COST (\$k/yr)</td><td>\$228</td></tr> </table> <p>*includes gasoline usage and ownership costs</p>	BENEFIT/COST RATIO	11.5	TOTAL BENEFITS (\$k/yr)	\$2,628	SAFETY	\$N/A	TRAVEL TIME	\$1427	OPERATING/ENERGY*	\$1201	ENERGY/USER	\$0	LIFE CYCLE VALUE	\$0	OTHER	\$0	ANNUALIZED COST (\$k/yr)	\$228
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<p>CONGESTION RELIEF: More efficient payment options will improve boarding times and reduce congestion from motor vehicles behind buses. VMT reduced by 1,644,501 miles/year.</p> <p>AIR QUALITY BENEFIT: Less idling by buses and cars behind the bus will reduce emissions. Volatile organic compounds reduced by 230 KG/year and NOx reduced by 654 KG/year.</p> <p>ENVIRONMENTAL MITIGATION: N/A.</p> <p>REGIONAL SYSTEM LINKAGE: The benefits will be seen across the CDTA transit service area.</p>

<p>LAND USE COMPATIBILITY (PLANNED OR EXISTING): The project is consistent with New Visions 2035 and the CDTA Transit Development Plan.</p> <p>CONTRIBUTION TO COMMUNITY OR ECONOMIC DEVELOPMENT: Streamlined and improved fare collection will benefit transit users, improve reliability and may encourage transit use.</p> <p>ENVIRONMENTAL JUSTICE: Low Income and/or Minority, Positive Impact</p> <p>BUSINESS OR HOUSING DISLOCATIONS: No ROW will be needed for this project.</p>
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<p>FACILITATES:</p> <p>BICYCLING – N/A</p> <p>WALKING – N/A</p>	<p>TRANSIT USE – Y: Infrastructure Improvements</p> <p>GOODS MOVEMENT – N/A</p> <p>INTERMODAL TRANSFERS – N/A</p>
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<p>SPONSOR PRIORITY: 1</p> <p>SCREENING ISSUES: None.</p> <p>OTHER CONSIDERATIONS: Sponsor is requesting for \$1.918 M in federal funds to support a larger \$9.25 M project.</p>
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