

DRAFT

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

LOCATION: All CDTA transit lines in the four counties of Albany, Schenectady, Rensselaer & Saratoga. 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. SET-ASIDE: RG28 (Intelligent Transportation Systems) COST: \$ 1,918,000 LIFE: 12 years SPONSOR: CDTA (Capital District Transportation Authority) PAVEMENT CONDITION: N/A FUNCTIONAL CLASS: N/A AADT: N/A ON PRIORITY NETWORK(S): Transit, Access Mgmt., ITS, Freight, Bike/Ped (Various)	<table><tr><td>BENEFIT/COST RATIO</td><td>7.9</td></tr><tr><td>TOTAL BENEFITS (\$k/yr)</td><td>\$1,800</td></tr><tr><td>SAFETY</td><td>\$N/A</td></tr><tr><td>TRAVEL TIME</td><td>\$978</td></tr><tr><td>OPERATING/ENERGY*</td><td>\$822</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	7.9	TOTAL BENEFITS (\$k/yr)	\$1,800	SAFETY	\$N/A	TRAVEL TIME	\$978	OPERATING/ENERGY*	\$822	ENERGY/USER	\$0	LIFE CYCLE VALUE	\$0	OTHER	\$0	ANNUALIZED COST (\$k/yr)	\$228
BENEFIT/COST RATIO	7.9																		
TOTAL BENEFITS (\$k/yr)	\$1,800																		
SAFETY	\$N/A																		
TRAVEL TIME	\$978																		
OPERATING/ENERGY*	\$822																		
ENERGY/USER	\$0																		
LIFE CYCLE VALUE	\$0																		
OTHER	\$0																		
ANNUALIZED COST (\$k/yr)	\$228																		

CONGESTION RELIEF: More efficient payment options will improve boarding times and reduce congestion from motor vehicles behind buses. AIR QUALITY BENEFIT: Less idling by buses and cars behind the bus will reduce emissions. ENVIRONMENTAL MITIGATION: N/A. REGIONAL SYSTEM LINKAGE: The benefits will be seen across the CDTA transit service area.

LAND USE COMPATIBILITY (PLANNED OR EXISTING): The project is consistent with New Visions 2035 and the CDTA Transit Development Plan. CONTRIBUTION TO COMMUNITY OR ECONOMIC DEVELOPMENT: Streamlined and improved fare collection will benefit transit users, improve reliability and may encourage transit use. ENVIRONMENTAL JUSTICE: Low Income and/or Minority, Positive Impact BUSINESS OR HOUSING DISLOCATIONS: No ROW will be needed for this project.

FACILITATES: BICYCLING – N/A WALKING – N/A	TRANSIT USE – Y: Infrastructure Improvements GOODS MOVEMENT – N/A INTERMODAL TRANSFERS – N/A
---	---

SPONSOR PRIORITY: 1 SCREENING ISSUES: None. OTHER CONSIDERATIONS: Sponsor is requesting for \$1.918 M in federal funds to support a larger \$9.25 M project.
