

Memorandum

To: CHAIR AND COMMISSIONERS

CTC Meeting: February 1-2, 2006

Reference No.: 2.1c.(7)
Action Item

From: CINDY McKIM
Chief Financial Officer

Prepared by: Ross A. Chittenden
Division Chief
Transportation Programming

Ref: **TRAFFIC CONGESTION RELIEF PROGRAM (TCRP) PROJECT APPLICATION
AMENDMENT APPROVAL
RESOLUTION TAA-06-07, AMENDING RESOLUTION TAA-04-06**

The Alameda Contra Costa Transit District (AC Transit) requests approval of the following Traffic Congestion Relief Program (TCRP) project application amendment.

Project #29 – AC Transit; buy three fuel cell buses and fueling facility for demonstration project in Alameda and Contra Costa Counties. Amend application to:

- Revise project scope.
- Update project schedule and funding plan.

RECOMMENDATION

The California Department of Transportation recommends approval.

BACKGROUND

The project is to purchase three zero-emission fuel cell buses that will be used to demonstrate the feasibility of using this technology as the energy source for the operation of standard-size transit buses in a large urban transit environment. The project includes the supporting infrastructure facilities (fueling and maintenance) needed to implement the project. All three buses have been received and will be in revenue service by April 2006. There will be a testing period of two years.

The scope of the project is being revised to include an education and outreach program. This component is added to the scope to take advantage of partnerships with Chevron/Texaco and other partners in the development of a learning center. The AC Transit is requesting that the scope be revised retroactively to March 2004.

Education and Outreach will include these key components:

- Printed materials and supporting video about the project and about the specific properties and applications of hydrogen and fuel cells,
- Middle and High School curricula related to project activities and the potential of zero-emission, hydrogen fuel cell technology,
- Video documentation of project activities and progress,
- Development of an Educational Learning Center and related exhibits and displays to expand the public's knowledge of this technology and the benefits of this technology within the transit industry, and
- Outreach materials and multi-media presentations directly linked to educating key target audiences and the procurement of audio-visual equipment for these efforts.

Outreach efforts will include travel to various conferences/seminars and similar events that provide a forum for promoting the commercial development of the fuel cell technology.

The AC Transit expects the TCRP funds will be expended by June 2006. However, the schedule is updated to extend the project completion date to June 2007, the end of the first year of testing, in order to allow sufficient time to complete reports on the initial results of the testing. The funding plan is updated to show increased costs related to education and outreach.

A concurrent reallocation is requested under Reference No. 2.6e.(3).

RESOLUTION

Resolved, with all conditions stipulated still in effect, the California Transportation Commission hereby revises TCRP Project #29 as follows:

Revises:

County	District	BREF	TCRP											
Alameda/Contra Costa	4	29	\$ 8,000											
Completion (FY)		Phase 1						Phase 3						
		Phase 2						Phase 4	05/06	06/07				
Lead Agency:	Alameda Contra Costa Transit District (AC Transit)													
Implementing:	AC Transit													
Description:	AC Transit; buy three fuel cell buses and fueling facility for demonstration project in Alameda and Contra Costa Counties.													
(DOLLARS IN THOUSANDS)														
FUND	TOTAL	Project Totals by Fiscal Year						Project Totals by Component						
		Prior	05/06	06/07	07/08	08/09	Beyond	R/W	CON	PA&ED	PS&E	R/W Supp	CON Supp	
TCRP - Committed														
Existing	8,000	8,000							8,000					
Change	0													
Proposed	8,000	8,000							8,000					
Federal Funds														
Existing	1,300	1,300							1,300					
Change	97	(10)	107						97					
Proposed	1,397	1,290	107						1,397					
CEC/California Air Resources Board														
Existing	3,425	3,425							3,425					
Change	0													
Proposed	3,425	3,425							3,425					
Private Funding														
Existing	0													
Change	2,250	1,500	750						2,250					
Proposed	2,250	1,500	750						2,250					
District - Local Committed														
Existing	300	300							300					
Change	930	930							930					
Proposed	1,230	1,230							1,230					
District - Local Proposed														
Existing	874	874							874					
Change	(874)	(874)							(874)					
Proposed	0	0							0					
Federal Dept. of Energy (Lawrence Hall of Science) - Committed														
Existing	0													
Change	2,400		400	2,000					2,400					
Proposed	2,400		400	2,000					2,400					
TFCA - Regional														
Existing	1,000	1,000							1,000					
Change	0													
Proposed	1,000	1,000							1,000					
Total														
Existing	14,899	14,899	0	0					14,899					
Change	4,803	1,546	1,257	2,000					4,803					
Proposed	19,702	16,445	1,257	2,000					19,702					

TCRP AMENDMENT TAA-06-07

Location Map



TCRP #29

Description: AC Transit; buy three fuel cell buses and fueling facility for demonstration project in Alameda and Contra Costa Counties.