

DOT



FTA

U.S. Department of Transportation

Federal Transit Administration

Recipient ID:	1632
Recipient Name:	.
Project ID:	CA-58-0005-00
Budget Number:	1 - Budget Approved
Project Information:	Demonstration Hydrogen Refueling Station

## Part 1: Recipient Information

Project Number:	CA-58-0005-00
Recipient ID:	1632
Recipient Name:	
Address:	
Telephone:	
Facsimile:	

## Union Information

Recipient ID:	1632
Union Name:	AFSCME-Council 57, Local 3916
Address 1:	
Address 2:	
City:	
Contact Name:	
Telephone:	
Facsimile:	
E-mail:	
Website:	<a href="http://www.afscme57.org">www.afscme57.org</a>

Recipient ID:	1632
Union Name:	IBEW
Address 1:	
Address 2:	

City: 00000  
 Contact Name:  
 Telephone:  
 Facsimile:  
 E-mail: awf2@ibew1245.com  
 Website: www.IBEW1245.com

Recipient ID: 1632  
 Union Name: ATU-LOCAL 192  
 Address 1: 8640 Enterprise Way  
 Address 2:  
 City:  
 Contact Name:  
 Telephone:  
 Facsimile:  
 E-mail:  
 Website: www.atu192.org

## Part 2: Project Information

Project Type:	Grant	Gross Project Cost:	\$4,444,500
Project Number:	CA-58-0005-00	Adjustment Amt:	\$0
Project Description:	Demonstration Hydrogen Refueling Station	Total Eligible Cost:	\$4,444,500
Recipient Type:	Transit Authority	Total FTA Amt:	\$4,000,000
FTA Project Mgr:	<input type="checkbox"/>	Total State Amt:	\$0
Recipient Contact:		Total Local Amt:	\$444,500
New/Amendment:	None Specified	Other Federal Amt:	\$0
Amend Reason:	Initial Application	Special Cond Amt:	\$0
Fed Dom Asst. #:	20519	Special Condition:	None Specified
Sec. of Statute:	5308	S.C. Tgt. Date:	None Specified
State Appl. ID:	None Specified	S.C. Eff. Date:	None Specified
Start/End Date:	-	Est. Oblig Date:	None Specified
Recvd. By State:	Jun. 02, 2010	Pre-Award Authority?:	Yes
EO 12372 Rev:	Not Applicable	Fed. Debt Authority?:	No
Review Date:	None Specified	Final Budget?:	No
Planning Grant?:	NO		
Program Date (STIP/UPWP/FTA Prm Plan) :	Sep. 15, 2008		
Program Page:	None Specified		

Application Type:	Electronic
Supp. Agreement?:	No
Debt. Delinq. Details:	

### Urbanized Areas

UZA ID	UZA Name
60060	SAN FRANCISCO--OAKLAND, CA

### Congressional Districts

State ID	District Code	District Official
6	7	Ami Bera
6	8	Paul Cook
6	9	Jerry McNerney

### Project Details

There is no ITS project included in this application. There is a Regional Architecture established by MTC for ITS project.

This grant provides funds for the following project:

Establish Demonstration Hydrogen Refueling Station (A Component of ALA070046 -Zero Emission Bus Advanced Demonstration)

The project funds will be used to establish a new demonstration hydrogen refueling facility at located at California. This new refueling facility will advance the California Hydrogen Highway campaign by serving the refueling needs of 12 hydrogen fuel cell buses operated by sit, GGBHTD, SFMTA, SamTrans and SCVTA. The refueling facility will also serve the public refueling needs of hydrogen fuel automobiles from 6:00 AM to 10:00 PM, 7 days a week.

The project will construct up to a 150 kg/day system based on utilizing 100% renewable energy to generate the hydrogen. The basic system will consist of an electrolyzer, buffer storage, compressor, controls, enclosure and periphery controls. The new facility is designed to accommodate anticipated vehicle volume for several years into the foreseeable future.

### Earmarks

#### Earmark Details

Earmark ID	Earmark Name	Orig. Balance	Amount Applied
D2008-CLNF-001		\$4,000,000	\$4,000,000

Number of Earmarks: 1

Total Amount Applied: \$4,000,000

Date Sent for Release: 9/17/2010 10:39:16 AM

Date Released: 9/23/2010

**Security****No information found.****Part 3: Budget****Project Budget**

	<u>Quantity</u>	<u>FTA Amount</u>	<u>Tot. Elig. Cost</u>
<b>SCOPE</b>			
<b>114-00 BUS: SUPPORT EQUIP AND FACILITIES</b>	1	\$4,000,000.00	\$4,444,500.00
<b>ACTIVITY</b>			
<b>11.23.01 CONSTRUCT - Refueling Facility</b>	1	\$4,000,000.00	\$4,444,500.00
<b>Estimated Total Eligible Cost:</b>			<b>\$4,444,500.00</b>
<b>Federal Share:</b>			<b>\$4,000,000.00</b>
<b>Local Share:</b>			<b>\$444,500.00</b>

**OTHER (Scopes and Activities not included in Project Budget Totals)****None****SOURCES OF FEDERAL FINANCIAL ASSISTANCE**

<u>UZA ID</u>	<u>Accounting Classification</u>	<u>FPC</u>	<u>FY</u>	<u>SEC</u>	<u>Previously Approved</u>	<u>Amendment Amount</u>	<u>Total</u>
60060	2008.25.58.CF.2	00	2010	58	\$0.00	\$4,000,000.00	\$4,000,000.00
<b>Total Previously Approved:</b>						<b>\$0.00</b>	
<b>Total Amendment Amount:</b>						<b>\$4,000,000.00</b>	
<b>Total from all Funding Sources:</b>						<b>\$4,000,000.00</b>	

**Alternative Fuel Codes**

11.14.00 BUS: SUPPORT EQUIP AND FACILITIES Fuel Cell

**Extended Budget Descriptions**

**114-00** BUS: SUPPORT EQUIP AND FACILITIES 1 \$4,000,000.00 \$4,444,500.00

The project funds will be used to establish a new demonstration hydrogen refueling facility.

## Changes since the Prior Budget

No information found.

## Part 4. Milestones

**11.23.01** CONSTRUCT - Refueling Facility 1 \$4,000,000 \$4,444,500

<u>Milestone Description</u>	<u>Est. Comp. Date</u>
1. Project Start (Maint Bay) Hydrogen bus maintenance bay at	None Specified
2. Proeject Compl (Maint Bay)	None Specified
3. RFP/IFB Issued for Equipment Hydrogen refueling station at	Sep. 23, 2009
4. Contract Award for Equipment	Dec. 31, 2009
5. RFP issued for construction	Jun. 01, 2010
6. Construction Contract Award 7/01-10-9/30/2010: Construction Starts: 12/01/2010	Jul. 15, 2010
7. Construction Completion	Nov. 15, 2010
8. Project Close-out	Dec. 31, 2010

## Part 5. Environmental Findings

**112301** CONSTRUCT - Refueling Facility 1 \$4,000,000 \$4,444,500

### Finding No. 1 - Class II(c)

#### **C19 - Install Purchase Maintenance Equipment**

Purchase and installation of operating or maintenance equipment to be located within the transit facility and with no significant impacts off the site.

**Finding Details:** Project sponsor's legal team adopted a Notice of Exemption for the Hydrogen Energy Station at the 1 as Part of the Hydrogen Fuel Cell Demonstration Project. This project will add less than 2,500 sq. ft. of additional structures, including a fueling island pad to the site. The largest facility will be a block wall, open air structure. The area in which the project will be located is presently not environmentally sensitive since it consists of a parking lot, a decorative concrete brick wall and a city street. Within our operating facility, the adjacent or nearby structures are our facilities maintenance building, transportation operations center, diesel fueling island and bus wash. Across the street to the south are the

Pixar Studios and approximately 600 feet to the north is a local high school. See attached maps.

## Part 6: Fleet Status

### Fixed Route

	<u>Before</u>	<u>Change</u>	<u>After</u>
<b>I. Active Fleet</b>			
A. Peak Requirement	535	-17	518
B. Spares	108	18	126
C. Total (A+B)	643	1	644
D. Spare Ratio (B/A)	20.19%	-105.88%	24.32%
<b>II. Inactive Fleet</b>			
A. Other	0	0	0
B. Pending Disposal	0	0	0
C. Total (A+B)	0	0	0
<b>III. Total (I.C and II.C)</b>	<b>643</b>	<b>1</b>	<b>644</b>

Fix-ed route fleet includes 24 min buses for paratransit operations. Source: FY 2009 preliminary NTD report.

### Paratransit

	<u>Before</u>	<u>Change</u>	<u>After</u>
<b>I. Active Fleet</b>			
A. Peak Requirement	41	0	41
B. Spares	0	0	0
C. Total (A+B)	41	0	41
D. Spare Ratio (B/A)	0.00%	0.00%	0.00%
<b>II. Inactive Fleet</b>			
A. Other	0	0	0
B. Pending Disposal	0	0	0
C. Total (A+B)	0	0	0
<b>III. Total (I.C and II.C)</b>	<b>41</b>	<b>0</b>	<b>41</b>

Fleet data are from it FY 2007-08 NTD Original Submission on October 31, 2008.

## Part 7. FTA Comments

### General Review

Comment Title:

Comment By:

**Date Created:** Sep. 01, 2010  
**Date Updated:** None Specified  
**Ref Section:** Unknown  
**Comment:** The Office of Civil Rights is recommending conditional concurrence in the approval of the TEs pending grant applications, including: CA-58-0005-00.  
 Please ensure that all funds disbursements are withheld, pending receipt of the completed fiscal year 2011 triennial program goal submission.

### **FTA Internal**

**Comment Title:** Transport. Program Specialist  
**Comment By:**  
**Date Created:** Sep. 14, 2010  
**Date Updated:** None Specified  
**Ref Section:** Unknown  
**Comment:** Application Complete 9/14/2010

**Comment Title:** Development  
**Comment By:**  
**Date Created:** Sep. 14, 2010  
**Date Updated:** None Specified  
**Ref Section:** Unknown  
**Comment:** Approval Stamp 9/14/2010

**Comment Title:** FTA Civil Rights Concurrence  
**Comment By:**  
**Date Created:** Feb. 03, 2009  
**Date Updated:** None Specified  
**Ref Section:** Unknown  
**Comment:** Approval Stamp 2/3/2009

The office of Civil Rights concurs in the approval of the District grant application, CA-58-0005-00.

**Comment Title:** FTA STIP Approval  
**Comment By:**  
**Date Created:** Sep. 13, 2010  
**Date Updated:** None Specified  
**Ref Section:** Unknown  
**Comment:** Approval Stamp -- 1/7/2010MTC TIP Approval 1/7/2010

**Comment Title:** FTA Environment Concurrence

**Comment By:**  
**Date Created:** Sep. 14, 2010  
**Date Updated:** None Specified  
**Ref Section:** Unknown  
**Comment:** Approval Stamp 9/14/2010  
 Updated Approval Stamp 9/14/2010

**Comment Title:** Transport. Program Specialist  
**Comment By:**  
**Date Created:** Sep. 13, 2010  
**Date Updated:** None Specified  
**Ref Section:** Unknown  
**Comment:** Application Complete 9/13/2010

**Comment Title:** FTA Engineering Concurrence  
**Comment By:**  
**Date Created:** Sep. 14, 2010  
**Date Updated:** None Specified  
**Ref Section:** Unknown  
**Comment:** Approval Stamp 9/14/2010

**Comment Title:** Regional Admin Approval  
**Comment By:**  
**Date Created:** Sep. 23, 2010  
**Date Updated:** None Specified  
**Ref Section:** Unknown  
**Comment:** Approval Stamp 9/23/2010

**Comment Title:** FTA Legal Concurrence  
**Comment By:**  
**Date Created:** Sep. 14, 2010  
**Date Updated:** None Specified  
**Ref Section:** Unknown  
**Comment:** Approval Stamp 9/14/2010. Legal review and clearance is based, in part, on the clearances by other FTA reviewers in their respective areas of grant application review.

**Comment Title:** Returned to Recipient  
**Comment By:**  
**Date Created:** May. 06, 2010  
**Date Updated:** None Specified  
**Ref Section:** Unknown  
**Comment:** Returned to Recipient 5/6/2010



<b>Comment Title:</b>	Operations
<b>Comment By:</b>	
<b>Date Created:</b>	Sep. 14, 2010
<b>Date Updated:</b>	None Specified
<b>Ref Section:</b>	Unknown
<b>Comment:</b>	Approval Stamp 9/14/2010

<b>Comment Title:</b>	Transport. Program Specialist
<b>Comment By:</b>	
<b>Date Created:</b>	Sep. 16, 2010
<b>Date Updated:</b>	None Specified
<b>Ref Section:</b>	Unknown
<b>Comment:</b>	Application Complete 9/16/2010

<b>Comment Title:</b>	Planning
<b>Comment By:</b>	
<b>Date Created:</b>	Sep. 14, 2010
<b>Date Updated:</b>	Sep. 16, 2010
<b>Ref Section:</b>	Unknown
<b>Comment:</b>	Approval Stamp 9/14/2010 Updated Approval Stamp 9/14/2010

## Part 8: Results of Reviews

<b>Type:</b>	Error
<b>Location:</b>	Milestones
<b>Description:</b>	At least one Milestone was specified which does not have an estimated completion date.
<b>Instructions:</b>	Open the Milestones window and ensure that all milestones specified have an estimated completion date.

## Part 9: Agreement

**UNITED STATES OF AMERICA  
DEPARTMENT OF TRANSPORTATION  
FEDERAL TRANSIT ADMINISTRATION**

**GRANT AGREEMENT  
(FTA G-16, October 1, 2009)**

On the date the authorized U.S. Department of Transportation, Federal Transit Administration (FTA) official's electronic signature is entered for this Grant Agreement, FTA has Awarded Federal assistance in support of the Project described below. Upon Execution of this Grant Agreement by the Grantee named below, the Grantee affirms this FTA Award, and enters into this Grant Agreement with FTA. The following documents are incorporated by reference and made part of this Grant Agreement:

- (1) "Federal Transit Administration Master Agreement," FTA MA(16), October 1, 2009,  
<http://www.fta.dot.gov/documents/16-Master.pdf>
- (2) The Certifications and Assurances applicable to the Project that the Grantee has selected and provided to FTA, and
- (3) Any Award notification containing special conditions or requirements, if issued.

FTA OR THE FEDERAL GOVERNMENT MAY WITHDRAW ITS OBLIGATION TO PROVIDE FEDERAL ASSISTANCE IF THE GRANTEE DOES NOT EXECUTE THIS GRANT AGREEMENT WITHIN 90 DAYS FOLLOWING THE DATE OF THIS FTA AWARD SET FORTH HEREIN.

### FTA AWARD

FTA hereby awards a Federal grant as follows:

Project No: CA-58-0005-00

Grantee:

Citation of Statute(s) Authorizing Project: 49 USC 5308 - Clean Fuels Grant Program

Estimated Total Eligible Cost (in U.S. Dollars): \$4,444,500

Maximum FTA Amount Awarded [Including All Amendments] (in U.S. Dollars): \$4,000,000

Amount of This FTA Award (in U.S. Dollars): \$4,000,000

Maximum Percentage(s) of FTA Participation:

Percentages of Federal participation are based on amounts included in the Approved Project Budget, modified as set forth in the text following the Project Description.

U.S. Department of Labor Certification of Public Transportation Employee Protective Arrangements:

Original Project Certification Date: 9/10/2010

Project Description:

Demonstration Hydrogen Refueling Station

The Project Description includes information describing the Project within the Project Application submitted to FTA, and the Approved Project Budget, modified by any additional statements displayed in this Grant Agreement, and, to the extent FTA concurs, statements in other documents including Attachments entered into TEAM-Web.

#### **Special Provision. Text Messaging While Driving.**

In accordance with Executive Order No. 13513, Federal Leadership on Reducing Text Messaging While Driving, October 1, 2009, 23 U.S.C.A. § 402 note, and DOT Order 3902.10, Text Messaging While December 30, 2009, the Grantee is encouraged to comply with the terms of the following Special Provision.

a. Definitions. As used in this Special Provision:

- (1) "Driving" means operating a motor vehicle on a roadway, including while temporarily stationary because of traffic, a traffic light, stop sign, or otherwise. "Driving" does not include being in your vehicle (with or without the motor running) in a location off the roadway where it is safe and legal to remain stationary.
- (2) "Text Messaging" means reading from or entering data into any handheld or other electronic device, including for the purpose of short message service texting, e-mailing, instant messaging, obtaining navigational information, or engaging in any other form of electronic data retrieval or electronic data communication. The term does not include the use of a cell phone or other electronic device for the limited purpose of entering a telephone number to make an outgoing call or answer an incoming call, unless the practice is prohibited by State or local law.

b. Safety. The Grantee is encouraged to:

- (1) Adopt and enforce workplace safety policies to decrease crashes caused by distracted drivers including policies to ban text messaging while driving-
- (a) Grantee-owned or Grantee-rented vehicles or Government-owned, leased or rented vehicles;

- (b) Privately-owned vehicles when on official Project related business or when performing any work for or on behalf of the Project; or
  - (c) Any vehicle, on or off duty, and using an employer supplied electronic device.
- (2) Conduct workplace safety initiatives in a manner commensurate with the Grantee's size, such as:
- (a) Establishment of new rules and programs or re-evaluation of existing programs to prohibit text messaging while driving; and
  - (b) Education, awareness, and other outreach to employees about the safety risks associated with texting while driving.
- (3) Include this Special Provision in its subagreements with its subrecipients and third party contracts and also encourage its subrecipients, lessees, and third party contractors to comply with the terms of this Special Provision, and include this Special Condition in each subagreement, lease, and third party contract at each tier financed with Federal assistance provided by the Federal Government.

Awarded By:

Regional Administrator  
FEDERAL TRANSIT ADMINISTRATION  
U.S. DEPARTMENT OF TRANSPORTATION  
09/23/2010

### EXECUTION OF GRANT AGREEMENT

The Grantee, by executing this Grant Agreement, affirms this FTA Award; adopts and ratifies all statements, representations, warranties, covenants, and materials it has submitted to FTA; consents to this FTA Award; and agrees to all terms and conditions set forth in this Grant Agreement.

By executing this Grant Agreement, I am simultaneously executing any Supplemental Agreement that may be required to effectuate this Grant Agreement.

Executed by:

Mgr Capital Planning & Grant Administrat

DT

09/23/2010

## CA-58-0005-00 Quarterly Narrative Report

Jul. 01, 2014 through Sep. 30, 2014

As Of Dec. 11, 2014

MS/P Report Submitted , FFR Submitted

### Part 1: Recipient Information

Project Number:	CA-58-0005-00
Recipient ID:	1632
Recipient Name:	
Address:	
Telephone:	
Facsimile:	

### Part 2: Project Information

Project No:	CA-58-0005-00
Brief Desc:	Demonstration Hydrogen Refueling Station
FTA Project Mgr:	
Start/End Date:	-
Gross Project Cost:	\$4,444,500
Adjustment Amt:	\$0
Total Eligible Cost:	\$4,444,500
Total FTA Amt:	\$4,000,000
Total State Amt:	\$0
Total Local Amt:	\$444,500
Other Federal Amt:	\$0

## Part 3: Federal Financial Report

### Financial Status

	Previous	This Period	Cumulative
A. Federal Cash on Hand at Beginning of Period			\$0
B. Federal Cash Receipts			\$3,925,827
C. Federal Cash Disbursements			\$3,925,827
D. Federal Cash on Hand at End of Period			\$0
E. Total Federal Funds Authorized			\$4,000,000
F. Federal Share of Expenditures	\$3,925,840	\$2,162	\$3,928,002
G. Recipient Share of Expenditures	\$436,259	\$186	\$436,445
H. Total Expenditures( F + G )	\$4,362,099	\$2,348	\$4,364,447
I. Federal Share of Unliquidated Obligations			\$0
J. Recipient Share of Unliquidated Obligations			\$0
K. Total Unliquidated Obligations( I + J )			\$0
L. Total Federal Share ( F + I )			\$3,928,002
M. Unobligated Balance of Federal Funds ( E - L )			\$71,998
N. Total Recipient Share Required			\$444,500
O. Remaining Recipient Share to be provided N - ( G + J )			\$8,055
P. Federal Program Income on Hand at Beginning of Period			\$0
Q. Total Federal Program income earned			\$0

R. Federal Program income expended in accordance with the deduction alternative	\$0
S. Federal Program income expended in accordance with the addition alternative	\$0
T. Federal Program income expended on allowable Transit Capital and Operating expenses	\$0
U. Federal Unexpended Program income ( P + Q - R or s or T )	\$0

### **Indirect Expense**

Type	N/A
Rate	0.00%
Base	\$0
Amount Charged	\$0
Federal Share	\$0

## **Part 4. Milestone/Progress Report**

### **Project Status Overview**

Current Project Status Update: 07/01/2014-09/30/2014 (Report No.20)

RFQ for design services was released and closed. There were three respondents and a best qualified was selected. Fee Estimates have been requested after which a schedule of values and payment milestones will be determined and the contract finalized by 11/30/2014

Current Project Status Update: 04/01/2014-06/30/2014 (Report No.19)

Board approved issuance of RFP procurement for design and project/construction management services on May 14 2014.

Current Project Status Update: 01/01/2014-03/31/2014 (Report No.18)

Remaining funds to be applied to upcoming construction of hydrogen bus maintenance bay at same facility. Project is still in planning stage.

Current Project Status Update: 10/01/2013-12/31/2013 (Report No.17)

Remaining funds to be applied to upcoming construction of hydrogen bus maintenance bay at same facility. Project is still in planning stage.

Current Project Status Update: Project #1666: 07/01/2013-09/30/2013 (Report No.16)

Project is operating with expected performance standards. Project complete. Remaining funds planned to be applied to upcoming construction of hydrogen bus maintenance bay at same facility pending FTA

approval.

Current Project Status Update - project #1666: 04/01/2013-06/30/2013 (Report No.15):  
FUELING FACILITY. Project is complete.

Current Project Status Update - project #1666: 01/01/2013-03/31/2013 (Report No.15):  
FUELING FACILITY-

The construction phase of this project is complete, There was an Incident involving a valve failure on May 4, 2012 that has required a degree of damage repair, safety upgrades, additional training, and procedure enhancements. All of these repairs and upgrades are complete as of 12/31/2012 and the station was re-commissioned in February, 2013. The project has been accepted and we are just waiting for a final invoice from the vendor.

Current Project Status Update project #1666: 10/01/2012-12/31/2012 (Report No.14):  
FUELING FACILITY-Project is complete. There was an incident involving a valve failure on May 4, 2012 that has required a degree of damage repair, safety upgrades, additional training, and procedure enhancements. All of these repairs and upgrades are complete as of 12/31/2012. We expect to load hydrogen in the on-site liquid storage and begin test fills by 1/31/2013. It is anticipated that the buses will resume full and normal operation during February, 2013. Financial closeout is in process and is expected to take a few months.

Current Project Status Update - project #1666: 07/01/2012-09/30/2012 (Report No.13): On May 4, 2012, a valve failed at the station, causing the release of approximately 300 kilograms of hydrogen gas. The gas ignited at the exit of the vent pipe and burned for 1-1/2 hours until technicians were permitted by the to enter the station and stop the flow of gas. The root cause of the incident was the use of materials in the valve that are incompatible with hydrogen service. Linde will pay the cost of these materials in conjunction with their existing contract.

A number of actions must be completed before the station can be reopened. Physical changes to the station must be made using proper valves. The fire detection system must be upgraded to better determine the location and extent of fire. New and modified procedures will be instituted to improve the timely communication of station status during emergency events. Additional training will focus on improving the District's, Linde's and the 's immediate response to any future incidents.

A copy of the staff report detailing the incident and the findings of a Sandia National Laboratories report on the failed valve are attached to the grant documents section in TEAM. The station is scheduled to re-open in mid December 2012.

CurrentProject Status Update project #1666: 04/01/2012-06/30/2012 (Report No.12): Contracting work project was completed 3/31/2012. Final billing is on-going.

Contracting work project was completed on 3/31/2012. Fueling station open for use. Final billing is on-going.

CurrentProject Status Update - project #1666: 01/01/2012-03/31/2012 (Report No.11): Contracting work project is completed. Station is open for use.

CurrentProject Status Update project #1666: 10/01/2011-12/31/2011 (Report No.10): 100% Complete. High Water Table required soil stabilization. Lime treating the excavated area stabilized the soil and allowed the contractor to get the required level of compaction.

11/05/11: I have reviewed the information reported in the MPR for the quarter ended 9/30/11 - 4th Qtr FY-2011. /s/ Program Manager, FTA-Region IX.

CurrentProject Status Update -

project #1666: 07/01/2011-09/30/2011 (Report No.9)

There have been no changes to the project schedule during this reporting period - but milestones have been updated to reflect the actual schedule. The invitation for bid was released on 7/22/2010 and a contract award was made on 9/9/2010. Pre-construction and mobilization activities began on 12/01/2010. Permits were issued 12/21/2010 and construction began on 01/02/2011. Construction was substantially completed on 09/30/2011. Commissioning will be completed by 02/28/2012 and the contract is planned to be complete on 03/31/2012.

This project is to design and build a hydrogen fueling station at . The project implementation is nearly completed. The design and construction are completed and the facility is in the commissioning and testing phase. Once all commissioning and testing metrics have met their targets we will close the project. There have been no changes to project scope, budget, schedule, or quality during this reporting period. The project continues to be on-time, on-budget, and delivering acceptable deliverable.

CurrentProject Status Update: 04/01/2011-06/30/2011(Report No.8)

The final equipment arrived at the site by 7/15/2011 and installation will be complete by 7/31/2011. The commissioning phase will begin on 8/1/2011 with the first fill planned for 8/16/2011. The facility is currently on track to be complete by 7/31/2011 with the completion of the station commissioning planned for 9/1/2011.

Actual milestone dates for the first two milestones have been updated.

5/07/11: I have reviewed the information in the MPR for the quarter ended 3/31/11 - 2nd Qtr FY-2011. Actual Milestone Dates should be entered for the first two milestones. /s/ Philoki Barros, Program Manager, FTA, Region IX -

Phil, Project milestones have been updated.

CurrentProject Status Update: 01/01/2011-03/31/2011(Report No.7)

Project # 1666

On-going construction. Some minor construction delays were experienced because of longer permitting times and adverse weather. The facility is currently on track to be completed by 6/15/2011 with the completion of the station commissioning planned for 7/8/2011.

Current Project Status Update: 10/01/10-12/31/10(Report No.6)

Project # 1666

By 10/15/2010 the contractor was in place and the building permit was issued on 12/22/2010. Construction began immediately. Demolition of the existing concrete and block wall began immediately. We are currently in the process of over-excavating, scarifying, and recompacting the station area.

11/12/10 - I have reviewed the information in the MPR for the quarter ended 9/30/10 - 4th Qtr FY-2010. /s/ Program Manager, FTA, Region IX

Current Project Status Update: 07/01/10-09/30/10(Report No.5)

Project # 1666

An Invitation For Bid (IFB) was issued on July 22, 2010 for the construction of the station. Bids closed on 9/9/2010 and the contract was awarded to the low bidder. A contract was in place by 10/15/2010.

Once Conditional Use Permits were approved, the RFP for the hydrogen system was issued and five responses were received. The responses were evaluated and the hydrogen system portion of the project was awarded to Linde. Once the hydrogen specific issues were incorporated into the engineering, a bid package and a permit package of plans and specifications were prepared by

the project engineers and submitted. Building permits were applied for and the construction portion of the project was offered for bid in an Invitation for Bid. Bids were received and a contractor was selected based on a low bid criteria. By 10/15/2010 the contractor was in place and we are now waiting for the issuance of building permit. The plans have been through the first phase of plan check and responses to plan check comments are being prepared. Building permit issuance is expected within 30 days.

Scheduled milestones/completion dates that were not met:

Item: Issuance of permits/begin of construction

Original milestone date: 10/31/2010

Revised date: 11/30/2010

Explanation of delay: An extended period of time was required for the city to review and plan check the initial submission of the plans and specifications. Plan Check comments have now been received and remediation and responses are being prepared. We estimate that the delay in city plan check will be approximately 30 days.

Proposed Problem Resolution: Expedite responses and corrections so that a minimal back check time is facilitated.

Outstanding claims exceeding \$100,000: No claims this period.

Current Project Status Update: 04/01/10-06/30/10 (Report No.4)

-11.23.01 Project #1666. Engineering Design/Maintenance Facility.

Design work on \_\_\_\_\_ is completed. Invitation for Bid (IFB) released this July and construction is anticipated to begin in October.

Current Project Status Update: 01/01/10-03/31/10 (Report No. 3)

-11.23.01 G1666. Engineering Design/Maintenance Facility. Contract with Linde was finalized for construction and installation of hydrogen fueling facility at \_\_\_\_\_. Meeting concerning hydrogen fuel cell bus data collection issues held with representatives from FTA, NREL, and AC Transit. Work has begun on a Vehicle Service Deployment Plan to determine how the new fuel cell buses will be assigned to different routes, with final decisions contingent on bus service reductions, initiated on March 28. First delivery of the fuel cell bus is now slated for mid-May. A letter from the Bay Area's State Representatives recommending that the California Energy Commission fully fund the Oakland hydrogen fueling facility at Seminary, was sent to Sacramento on March 26.

Prior Project Status Update: 10/01/09-12/31/09 (Report No.2)

-11.23.01 G1666. Demonstration Hydrogen Refueling Station:

Contractor selected: Linde LLC, for construction and equipment installation of hydrogen fueling facility at \_\_\_\_\_

Contract award pending FTA approval to reallocate a portion of Federal revenues to \_\_\_\_\_

Prior Project Status Update: 07/01/09-09/30/09 (Report No. 1)

-11.23.01 G1666. Demonstration Hydrogen Refueling Station:

RFP issued for construction and equipment installation by hydrogen fueling facility at \_\_\_\_\_

		<u>Quantity</u>	<u>FTA Amount</u>	<u>Elig. Proj. Cost</u>
<b>11.23.01</b>	CONSTRUCT - Refueling Facility	1	\$4,000,000	\$4,444,500

	<u>Milestone Description</u>	<u>Orig. Est. Comp. Date</u>	<u>Rev. Est. Comp. Date</u>	<u># Rev</u>	<u>Actual Comp. Date</u>	<u>Cont. Code</u>
1.	RFP/IFB Issued for	9/23/2009	9/30/2009	1	9/23/2009	



Equipment					
DETAILED					
DESCRIPTION: Hydrogen refueling station at					
2.	Contract Award for Equipment	12/31/2009	12/31/2009	1	12/16/2009
3.	RFP issued for construction	6/1/2010	7/1/2010	2	7/22/2010
4.	Construction Contract Award	7/15/2010	9/30/2010	2	9/9/2010
DETAILED					
DESCRIPTION: 7/01-10-9/30/2010: Construction Starts: 12/01/2010					
5.	Construction Completion	11/15/2010	9/30/2011	2	9/30/2011
6.	Project Close-out	12/31/2010	5/30/2013	5	5/30/2013
7.	Project Start (Maint Bay)		6/30/2014	1	5/14/2014
DETAILED					
DESCRIPTION: Hydrogen bus maintenance bay at					
8.	Proeject Compl (Maint Bay)		12/31/2015	1	

**Recipient Remarks**

Remaining funds to be used for hydrogen maintenance bay at