

AGENDA Transit Committee Meeting

Committee Members

Tim Shaw, Chairman Al Murray, Vice Chairman Andrew Do Steve Jones Miguel Pulido Tom Tait Gregory T. Winterbottom Orange County Transportation Authority
Headquarters
550 South Main Street
Board Room – Conf. Room 07
Orange, California
Thursday, April 27, 2017 at 9:00 a.m.

Any person with a disability who requires a modification or accommodation in order to participate in this meeting should contact the OCTA Clerk of the Board, telephone (714) 560-5676, no less than two (2) business days prior to this meeting to enable OCTA to make reasonable arrangements to assure accessibility to this meeting.

Agenda descriptions are intended to give members of the public a general summary of items of business to be transacted or discussed. The posting of the recommended actions does not indicate what action will be taken. The Committee may take any action which it deems to be appropriate on the agenda item and is not limited in any way by the notice of the recommended action.

All documents relative to the items referenced in this agenda are available for public inspection at www.octa.net or through the Clerk of the Board's office at the OCTA Headquarters, 600 South Main Street, Orange, California.

Call to Order

Pledge of Allegiance

Director Jones

1. Public Comments

Special Calendar

There are no Special Calendar matters.

Consent Calendar (Items 2 through 4)

All items on the Consent Calendar are to be approved in one motion unless a Committee Member or a member of the public requests separate action or discussion on a specific item.



AGENDATransit Committee Meeting

2. Approval of Minutes

Approval of the minutes of the Transit Committee meeting of April 13, 2017.

3. Agreement for Bus Parking Wheel Stops and Fence Repair at the Anaheim Bus Base

George Olivo/James G. Beil

Overview

The Orange County Transportation Authority's Board of Directors approved bus parking wheel stops and fence repair at the Anaheim Bus Base as part of the Orange County Transportation Authority's Fiscal Year 2016-17 Budget. Bids were received in accordance with the Orange County Transportation Authority's public works procurement procedures. Board of Directors' approval is requested to execute the agreement.

Recommendation

Authorize the Chief Executive Officer to negotiate and execute Agreement No. C-7-1553 between the Orange County Transportation Authority and Creative Home, doing business as CHI Construction, the lowest responsive, responsible bidder, in the amount of \$67,425, for bus parking wheel stops and fence repair at the Anaheim Bus Base.

4. Agreement for Hydrogen Gas Detection Upgrades and Ventilation System Modification at the Santa Ana Bus Base

George Olivo/James G. Beil

Overview

The Orange County Transportation Authority's Board of Directors approved hydrogen gas detection upgrades and a ventilation system modification at the Santa Ana Bus Base as part of the Orange County Transportation Authority's Fiscal Year 2016-17 Budget. Bids were received in accordance with the Orange County Transportation Authority's public works procurement procedures. Board of Directors' approval is requested to execute the agreement.

Recommendation

Authorize the Chief Executive Officer to negotiate and execute Agreement No. C-7-1529 between the Orange County Transportation Authority and Clean Energy, a California corporation, the lowest responsive, responsible bidder, in the amount of \$80,405, for hydrogen gas detection upgrades and a ventilation system modification at the Santa Ana Bus Base.



AGENDATransit Committee Meeting

Regular Calendar

There are no Regular Calendar items scheduled.

Discussion Items

5. Hydrogen Fuel Cell Electric Bus Update

P. Sue Zuhlke/Beth McCormick

Staff will provide an update on the hydrogen fuel cell electric bus projects.

- 6. Chief Executive Officer's Report
- 7. Committee Members' Reports
- 8. Closed Session

There are no Closed Session items scheduled.

9. Adjournment

The next regularly scheduled meeting of this Committee will be held at **9:00 a.m. on Thursday, May 11, 2017**, at the Orange County Transportation Authority Headquarters, 550 South Main Street, Board Room - Conference Room 07, Orange, California.



MINUTES

Transit Committee Meeting

Committee Members Present

Tim Shaw, Chairman
Al Murray, Vice Chairman
Andrew Do
Steve Jones
Miguel Pulido
Tom Tait
Gregory T. Winterbottom

Staff Present

Darrell Johnson, Chief Executive Officer Ken Phipps, Deputy Chief Executive Officer Laurena Weinert, Clerk of the Board Mary K. Burton, Deputy Clerk of the Board James Donich, General Counsel OCTA Staff and members of the General Public

Committee Members Absent

None

Call to Order

The April 13, 2017 meeting of the Transit Committee was called to order by Committee Chairman Shaw at 9:02 a.m.

Pledge of Allegiance

Director Do led in the Pledge of Allegiance.

1. Public Comments

No public comments were received.

Special Calendar

There were no Special Calendar matters.

Consent Calendar (Items 2 through 7)

All items on the Consent Calendar are to be approved in one motion unless a Committee Member or a member of the public requests separate action or discussion on a specific item.

2. Approval of Minutes

A motion was made by Committee Vice Chairman Murray, seconded by Director Tait, and declared passed by those present, to approve minutes of the March 9, 2017 meeting.

Director Pulido was not present to vote on this item.

April 13, 2017 Page 1 of 4





3. Approval of Minutes - Special Meeting

A motion was made by Committee Vice Chairman Murray, seconded by Director Tait, and declared passed by those present, to approve the Special Transit Committee minutes of the March 23, 2017 meeting.

Director Pulido was not present to vote on this item.

4. Grant Award for the 2017 and 2018 Orange County Fair Express Service

A motion was made by Committee Vice Chairman Murray, seconded by Director Tait, and declared passed by those present, to authorize the Chief Executive Officer or designee to accept the grant award and execute grant-related agreements with the Mobile Source Air Pollution Reduction Review Committee to support the Orange County Fair Express Service.

Director Pulido was not present to vote on this item.

5. Authority to Acquire Former Pacific Electric Railroad Right-of-Way in the City of Garden Grove to Preserve and Protect for Future Transit Use

A motion was made by Committee Vice Chairman Murray, seconded by Director Tait, and declared passed by those present, to authorize the Chief Executive Officer to negotiate and execute necessary agreements to acquire 5.2 acres of former Pacific Electric railroad right-of-way located in the City of Garden Grove, in the amount of \$1,500,000, exclusive of title and escrow fees.

Director Pulido was not present to vote on this item.

6. Amended and Restated Cooperative Agreement with the City of Santa Ana for the Santa Ana Regional Transportation Center and the OC Streetcar

A motion was made by Committee Vice Chairman Murray, seconded by Director Tait, and declared passed by those present, to authorize the Chief Executive Officer to negotiate and execute Amended and Restated Cooperative Agreement No. C-94-859, between the Orange County Transportation Authority and the City of Santa Ana, for the operations and maintenance of the commuter/intercity rail station and the OC Streetcar facilities at the Santa Ana Regional Transportation Center.

Director Tait voted in opposition.

Director Pulido was not present to vote on this item.

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7. Award of Agreement for Engine Installation Kits

A motion was made by Committee Vice Chairman Murray, seconded by Director Tait, and declared passed by those present, to:

- A. Approve the selection of Complete Coach Works as the firm to provide the engine installation kits.
- B. Authorize the Chief Executive Officer to negotiate and execute Purchase Order No. C-7-1507 between the Orange County Transportation Authority and Complete Coach Works, in the amount of \$3,091,616, for engine installation kits.

Director Pulido was not present to vote on this item.

Regular Calendar

8. June 2017 Bus Service Change Program

Beth McCormick, General Manager of Transit, introduced the new Manager of Service Planning and Customer Advocacy, Johnny Dunning, Jr., who presented an update on the bus schedule and route revisions being implemented in June 2017.

Following the discussion on this item, no action was taken on this receive and file information item.

Discussion Items

9. Chief Executive Officer's Report

Darrell Johnson, Chief Executive Officer (CEO), reported on the following:

- The Paratransit Operations Workshop will take place on Monday, April 24, 2017.
- The Taxpayer Oversight Committee held their annual Measure M public hearing on Tuesday, April 11th, and found OCTA to be in compliance with the Ordinance for the 26th year in a row.
- The Mobile Source Air Pollution Reduction Review Committee provided a grant for the Metrolink Angels Express train service which has had nearly 2,600 boardings to date this season.
- OCTA outreach teams will be participating in Earth Day events throughout the county to promote public transportation and ridesharing opportunities.

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10. Committee Members' Reports

Director Murray reported that Irvine Mayor, Don Wagner, joined him on the Angels Express train for the first home game, and Mayor Wagner said that he was elated to see the number of folks that participated in this event.

Committee Chairman Shaw reported that he recently visited Brazil and is looking forward to sharing a video of the light-rail system in Rio de Janeiro at a future Transit Committee meeting.

Committee Chairman Shaw asked about Senate Bill (SB) 1 and heard that Senator Roth was given \$400 million in Transportation projects. Mr. Johnson, CEO, reported that staff plans a full report on SB 1 to the Legislative and Communications Committee next Thursday, April 20th and to the Board on Monday, April 24th.

11. Closed Session

There were no Closed Session items scheduled.

12. Adjournment

The meeting adjourned at 9:14 a.m.

The next regularly scheduled meeting of this Committee will be held at **9:00 a.m. on Thursday, April 27, 2017,** at the Orange County Transportation Authority Headquarters, 550 South Main Street, Board Room – Conf. Room 07, Orange, California.

ATTEST	
	Mary K. Burton
Tim Shaw Committee Chairman	Deputy Clerk of the Board

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April 27, 2017

To: Transit Committee

From: Darrell Johnson, Chief Executive Officer

Subject: Agreement for Bus Parking Wheel Stops and Fence Repair at the

Anaheim Bus Base

Overview

The Orange County Transportation Authority's Board of Directors approved bus parking wheel stops and fence repair at the Anaheim Bus Base as part of the Orange County Transportation Authority's Fiscal Year 2016-17 Budget. Bids were received in accordance with the Orange County Transportation Authority's public works procurement procedures. Board of Directors' approval is requested to execute the agreement.

Recommendation

Authorize the Chief Executive Officer to negotiate and execute Agreement No. C-7-1553 between the Orange County Transportation Authority and Creative Home, doing business as CHI Construction, the lowest responsive, responsible bidder, in the amount of \$67,425, for bus parking wheel stops and fence repair at the Anaheim Bus Base.

Discussion

The Orange County Transportation Authority (OCTA) completed construction of the Anaheim Bus Base in 1983. Chain link fencing was installed along the northerly property line adjacent to the Carbon Creek Flood Control Channel with 77 bus parking stalls, which are located perpendicular to the property line fence. The chain link fence is in need of repair/replacement. Additionally, concrete wheel stops will be installed at a number of spaces to prevent buses from hitting the fence with front mounted bike racks. The work needs to be done for safety and functionality of the bus yard. Staff worked closely with base maintenance and operations, and completed plans and specifications for the bus parking wheel stop and fence repair at the Anaheim Bus Base.

Procurement Approach

This procurement was handled in accordance with OCTA's Board of Directors-approved procedures for public works projects. These procedures, which conform to both state and federal requirements, require that contracts are awarded to the lowest responsive, responsible bidder after a sealed bidding process.

Invitation for Bids (IFB) 7-1553 was released on February 13, 2017, through OCTA's CAMM NET system. The project was advertised on February 13 and February 20, 2017, in a newspaper of general circulation. No bidders were present at the February 22, 2017 pre-bid conference. Two addenda were issued to make available the pre-bid conference presentation, and handle administrative issues related to the IFB. On March 14, 2017, four bids were received by the date and time specified in the IFB.

All bids were reviewed by staff from OCTA's Contracts Administration and Materials Management and the Rail Programs and Facilities Engineering departments to ensure compliance with contract terms and conditions, and technical specifications. The list of bidders and bid amounts are presented below:

Firm and Location	Bid Amount
Creative Home doing business as (dba) CHI Construction Anaheim, California	\$67,425.00
Fleming Environmental, Inc. Fullerton, California	\$67,649.00
Rio Jordan Construction, Inc. Pico Rivera, California	\$70,950.00
Harris Steel Fence Co., Inc. Los Angeles, California	\$122,222.00

The engineer's estimate for the project was \$72,000. The recommended firm's bid is 6.79 percent below the engineer's estimate and is considered by staff to be fair and reasonable.

State law requires award to the lowest responsive, responsible bidder. Staff recommends award to Creative Home, dba CHI Construction, the lowest responsive, responsible bidder, in the amount of \$67,425.00.

Fiscal Impact

The project was approved in OCTA's Fiscal Year 2016-17 Budget, Capital Programs Division, Account 1722-9022-D3103-08H, and is funded through local transportation funds.

Summary

Based on the information provided, staff recommends the Board of Directors authorize the Chief Executive Officer to negotiate and execute Agreement No. C-7-1553 between the OCTA and Creative Home, dba CHI Construction, the lowest responsive, responsible bidder, in the amount of \$67,425, for bus parking wheel stops and fence repair at the Anaheim Bus Base.

Attachment

None.

Prepared by:

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Program Manager, Rail & Facilities

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Approved by:

James G. Beil, P.E.

Executive Director, Capital Programs

and some

(714) 560-5646

Virginia Abadessa

Director, Contracts Administration and

Materials Management

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April 27, 2017

To: Transit Committee

From: Darrell Johnson, Chief Executive Officer

Subject: Agreement for Hydrogen Gas Detection Upgrades and Ventilation

System Modification at the Santa Ana Bus Base

Overview

The Orange County Transportation Authority's Board of Directors approved hydrogen gas detection upgrades and a ventilation system modification at the Santa Ana Bus Base as part of the Orange County Transportation Authority's Fiscal Year 2016-17 Budget. Bids were received in accordance with the Orange County Transportation Authority's public works procurement procedures. Board of Directors' approval is requested to execute the agreement.

Recommendation

Authorize the Chief Executive Officer to negotiate and execute Agreement No. C-7-1529 between the Orange County Transportation Authority and Clean Energy, a California corporation, the lowest responsive, responsible bidder, in the amount of \$80,405, for hydrogen gas detection upgrades and a ventilation system modification at the Santa Ana Bus Base.

Discussion

The Orange County Transportation Authority (OCTA) completed construction of the Santa Ana Bus Base in 2005. Facility modifications were made in 2007 to comply with requirements for operation and maintenance of compressed natural gas buses. On January 11, 2016, staff informed the OCTA Board of Directors (Board) of an opportunity for OCTA to serve as the transit operator for a two-year single hydrogen fuel cell bus demonstration, grant funded through the National Fuel Cell Bus Program. The purpose for the demonstration is to gain knowledge about the overall operation of the hydrogen gas detection upgrades and ventilation system modifications (Project) through actual use, data collection, and data reporting. On February 22, 2016, the OCTA Board approved the cooperative agreement between OCTA and the Center for Transportation

and the Environment (CTE), the grant lead, which defines responsibilities of OCTA, and CTE under the Project.

As required by the cooperative agreement, OCTA must provide a fire code-compliant area in the existing maintenance facility for regular maintenance and inspection of the hydrogen fuel cell electric bus. Design of the necessary facility modifications to meet the requirement were completed on January 11, 2017. The facility modifications include installation of two hydrogen gas detection devices, interfacing and programming new hydrogen gas detectors into existing gas detection control panel, installation of one hydrogen flame detector, interfacing and programming the new flame detector into existing fire alarm control panel, and installation of one audible alarm and related warning lights, all related electrical conduit and wiring, and a ventilation exhaust fan upgrade. Under the Demonstration Project, the single hydrogen fuel cell bus will be fueled at a hydrogen fueling station located at the University of California, Irvine. No hydrogen fueling facility modifications are being made under the Project. OCTA facilities engineering staff worked closely with CTE and OCTA transit maintenance and operations staff to deliver plans and specifications for the Project.

Procurement Approach

The procurement was handled in accordance with OCTA's Board-approved procedures for public works projects. These procedures, which conform to both federal and state requirements, require that contracts are awarded to the lowest responsive, responsible bidder after a sealed bidding process.

Invitation for Bids (IFB) 7-1529 was released on February 9, 2017, through OCTA's CAMM NET system. The Project was advertised on February 10 and 17, 2017, in a newspaper of general circulation. A pre-bid conference and job walk were held on February 16, 2017, and were attended by three firms. Two addenda were issued to make available the pre-bid conference registration sheets and handle administrative issues related to the IFB. On April 7, 2017, two bids were received and publicly opened.

Both bids were reviewed by staff from both Contracts Administration and Materials Management and Facilities Engineering departments to ensure compliance with the contract terms and conditions, and technical specifications. The list of bidders and bid amounts are presented below:

Agreement for Hydrogen Gas Detection Upgrades and Page 3 Ventilation System Modification at the Santa Ana Bus Base

Firm and Location Bid Amount

Clean Energy, a California corporation \$80,405

Newport Beach, California

EFS West \$81,133

Valencia, California

The engineer's estimate for the Project was \$81,800. The recommended firm's bid is 1.7 percent lower than the engineer's estimate and is considered by staff to be fair and reasonable.

State law requires award to the lowest responsive, responsible bidder. Staff recommends award to Clean Energy, a California corporation, the lowest responsive, responsible bidder, in the amount of \$80,405, for the Project.

Fiscal Impact

The Project was approved in OCTA's Fiscal Year 2016-17 Budget, Capital Programs Division, Account 1722-9022-D3126-08T, and is funded by Federal Transit Administration grant funds through the CTE.

Summary

Based on the information provided, staff recommends the Board authorize the Chief Executive Officer to negotiate and execute Agreement No. C-7-1529 between the Orange County Transportation Authority and Clean Energy, a California corporation, the lowest responsive, responsible bidder, in the amount of \$80,405, for hydrogen gas detection upgrades and a ventilation system modification at the Santa Ana Bus Base.

Attachment

None.

Prepared by:

George Olivo, P.E.

Program Manager, Rail & Facilities

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Virginia Abadessa

Director, Contracts Administration and

Materials Management

(714) 560-5623

Approved by:

James G. Beil, P.E.

Executive Director, Capital Programs

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Hydrogen Fuel Cell Electric Bus Update





Demonstration Bus Project

- Ballard, BAE Systems on ElDorado Nation Axess chassis
- Two-year Demonstration
 - > Range ~ 200 miles
 - > 12,408 miles traveled
 - > 7.15 miles per gasoline gallon equivalent
 - ▶ 64% availability
 - > Fuel cost \$1.82 per mile
- Off-site Fueling at University of California, Irvine



ARB Grant Funded Hydrogen Bus Project

- > Awarded \$13,241,092 for 10 buses, fuel station, and facility upgrades
- Fuel Station Construction
 - Final Design/Equipment Drawings August 2017
 - Equipment Installed October 2018
 - Station Commissioned December 2018
- Bus Build
 - Delivery of First Article April 2018
 - Delivery of Remaining Nine Buses December 2018
- Data Collection and Reporting through January 2020