



# Metropolitan Transportation Commission

Bay Area Metro Center  
375 Beale Street  
San Francisco, CA 94105

## Meeting Agenda

### Operations Committee

#### *Committee Members:*

*Scott Haggerty, Chair    Julie Pierce, Vice Chair*

*Alicia Aguirre, Damon Connolly, Anne Halsted,  
Sam Liccardo, Jim Spering*

*Non-Voting Members: Tom Azumbrado, Dorene M. Giacomini*

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Friday, March 10, 2017

9:35 AM

Board Room - 1st Floor

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This meeting is scheduled to be webcast live on the Metropolitan Transportation Commission's Website: <http://mtc.ca.gov/whats-happening/meetings> and will take place at 9:35 a.m. or immediately following the 9:30 a.m. Planning Committee meeting.

#### 1. Roll Call / Confirm Quorum

*Quorum: A quorum of this committee shall be a majority of its regular non-ex-officio voting members (4).*

#### 2. Consent Calendar

- 2a.**    [17-2301](#)    Minutes of February 10, 2017 Meeting
- Action:**            Committee Approval
- Attachments:**    [2a Minutes Feb 2017.pdf](#)
- 
- 2b.**    [17-2307](#)    Clipper® Contract Action: Contract Change Order - FY 2015-16 Price Schedule Finalization: Cubic Transportation Systems, Inc. (\$210,000)
- Action:**            Committee Approval
- Presenter:**       Lynn Valdivia
- Attachments:**    [2b Clipper contract actions.pdf](#)
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- 2c.**    [17-2332](#)    Contract Amendment - Motorist Aid System Support: TeleTran Tek Services, Inc. (\$200,000)
- Contract amendment with TeleTran Tek Services, Inc. for motorist aid system support.
- Action:**            Committee Approval
- Presenter:**       Stephen Terrin
- Attachments:**    [2c TeleTran Tek contract action .pdf](#)

- 2d. [17-2346](#) Contract Amendment - I-880 Integrated Corridor Management North Segment Project-Design Services: URS Corporation Americas (\$192,000)

Action: Committee Approval

Presenter: Emily Van Wagner

Attachments: [2d URS Design Services for I-880 ICM North Segment contract amendment.pdf](#)

### 3. Approval

- 3a. [17-2305](#) 511 Update and Contract Actions
- i. Contract Amendment - 511 Web Services: Civic Resource Group (\$2,478,663)
  - ii. Contract Amendment - 511 Technical Advisory Services: Kimley-Horn and Associates (\$375,000)
  - iii. Contract Amendment - 511 System Integrator: Iteris, Inc. (\$1,522,369)
  - iv. Contract Amendment - 511/EL Operational Services: Faneuil, Inc. (\$330,535)

Program update and request for approval to amend three contracts that support delivery of MTC's 511 Program.

Action: Committee Approval

Presenter: Janet Banner and Shauna Callow

Attachments: [3a 511 Update and Contract Actions.pdf](#)

### 4. Information

- 4a. [17-2303](#) Managed Lanes Implementation Plan: Transit and Park-Rides

Presentation on how transit and park-rides can support use of HOV lanes and how transit can benefit from improved HOV operations. Update on Commuter Parking element of Bay Bridge Forward.

Action: Information

Presenter: Michelle Go and Stefanie Hom

Attachments: [4a MLIP-Transit and Park-Rides.pdf](#)

**5. Public Comment / Other Business**

**6. Adjournment / Next Meeting**

**The next meeting of the Operations Committee will be April 14, 2017, 9:35 a.m.  
at the Bay Area Metro Center, 375 Beale Street, San Francisco, CA.**

**Public Comment:** The public is encouraged to comment on agenda items at Committee meetings by completing a request-to-speak card (available from staff) and passing it to the Committee secretary. Public comment may be limited by any of the procedures set forth in Section 3.09 of MTC's Procedures Manual (Resolution No. 1058, Revised) if, in the chair's judgment, it is necessary to maintain the orderly flow of business.

**Meeting Conduct:** If this meeting is willfully interrupted or disrupted by one or more persons rendering orderly conduct of the meeting unfeasible, the Chair may order the removal of individuals who are willfully disrupting the meeting. Such individuals may be arrested. If order cannot be restored by such removal, the members of the Committee may direct that the meeting room be cleared (except for representatives of the press or other news media not participating in the disturbance), and the session may continue.

**Record of Meeting:** Committee meetings are recorded. Copies of recordings are available at a nominal charge, or recordings may be listened to at MTC offices by appointment. Audiocasts are maintained on MTC's Web site ([mtc.ca.gov](http://mtc.ca.gov)) for public review for at least one year.

**Accessibility and Title VI:** MTC provides services/accommodations upon request to persons with disabilities and individuals who are limited-English proficient who wish to address Commission matters. For accommodations or translations assistance, please call 415.778.6757 or 415.778.6769 for TDD/TTY. We require three working days' notice to accommodate your request.

**可及性和法令第六章:** MTC 根據要求向希望來委員會討論有關事宜的殘疾人士及英語有限者提供服務/方便。需要便利設施或翻譯協助者，請致電 415.778.6757 或 415.778.6769 TDD / TTY。我們要求您在三個工作日前告知，以滿足您的要求。

**Acceso y el Titulo VI:** La MTC puede proveer asistencia/facilitar la comunicación a las personas discapacitadas y los individuos con conocimiento limitado del inglés quienes quieran dirigirse a la Comisión. Para solicitar asistencia, por favor llame al número 415.778.6757 o al 415.778.6769 para TDD/TTY. Requerimos que solicite asistencia con tres días hábiles de anticipación para poderle proveer asistencia.

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Attachments are sent to Committee members, key staff and others as appropriate. Copies will be available at the meeting.

All items on the agenda are subject to action and/or change by the Committee. Actions recommended by staff are subject to change by the Committee.

MTC's Chair and Vice-Chair are ex-officio voting members of all standing Committees.





# Metropolitan Transportation Commission

375 Beale Street, Suite 800  
San Francisco, CA 94105

## Legislation Details (With Text)

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**File #:** 17-2301      **Version:** 1      **Name:**  
**Type:** Minutes      **Status:** Consent  
**File created:** 2/1/2017      **In control:** Operations Committee  
**On agenda:** 3/10/2017      **Final action:**  
**Title:** Minutes of February 10, 2017 Meeting  
**Sponsors:**  
**Indexes:**  
**Code sections:**  
**Attachments:** [2a\\_Minutes\\_Feb 2017.pdf](#)

Date	Ver.	Action By	Action	Result
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**Subject:**  
Minutes of February 10, 2017 Meeting

**Recommended Action:**  
Committee Approval

### Attachments



# Metropolitan Transportation Commission

## Meeting Minutes - Draft

### Operations Committee

#### Agenda Item 2a

Bay Area Metro Center  
375 Beale Street  
San Francisco, CA 94105

#### *Committee Members:*

*Scott Haggerty, Chair    Julie Pierce, Vice Chair*

*Alicia Aguirre, Damon Connolly, Anne Halsted,  
Sam Liccardo, Jim Spering*

*Non-Voting Members: Tom Azumbrado, Dorene M. Giacopini*

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Friday, February 10, 2017

9:35 AM

Board Room - 1st Floor

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#### 1. Roll Call / Confirm Quorum

**Present:** 7 - Chair Haggerty, Vice Chair Pierce, Commissioner Aguirre, Commissioner Connolly, Commissioner Halsted, Commissioner Liccardo and Commissioner Spering

Non-Voting Member Present: Commissioner Giacopini

Non-Voting Member Absent: Commissioner Azumbrado

Ex Officio Voting Member Present: Commission Chair Cortese

Ex Officio Voting Member Absent: Commission Vice Chair Mackenzie

Ad Hoc Non-Voting Members Present: Commissioner Josefowitz and Commissioner Slocum.

#### 2. Consent Calendar

**Upon the motion by Commissioner Aguirre and second by Vice Chair Pierce, the Consent Calendar was unanimously approved by the following vote:**

**Aye:** 7 - Chair Haggerty, Vice Chair Pierce, Commissioner Aguirre, Commissioner Connolly, Commissioner Halsted, Commissioner Liccardo and Commissioner Spering

**2a.**     [17-2216](#)     Minutes of January 13, 2017 Meeting

**Action:** Committee Approval

**2b.**     [17-2217](#)     Second Quarter MTC SAFE Financial Statements - December 2016

**Action:** Committee Approval

**Presenter:** Sonia Elsonbaty

**3. Public Comment / Other Business**

**4. Adjournment / Next Meeting**

**The next meeting of the Operations Committee will be March 10, 2017, 9:35 a.m. at the Bay Area Metro Center, 375 Beale Street, San Francisco, CA.**



# Metropolitan Transportation Commission

375 Beale Street, Suite 800  
San Francisco, CA 94105

## Legislation Details (With Text)

**File #:** 17-2307      **Version:** 1      **Name:**

**Type:** Contract      **Status:** Consent

**File created:** 2/3/2017      **In control:** Operations Committee

**On agenda:** 3/10/2017      **Final action:**

**Title:** Clipper® Contract Action: Contract Change Order - FY 2015-16 Price Schedule Finalization: Cubic Transportation Systems, Inc. (\$210,000)

**Sponsors:**

**Indexes:**

**Code sections:**

**Attachments:** [2b Clipper contract actions.pdf](#)

Date	Ver.	Action By	Action	Result
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### Subject:

Clipper® Contract Action: Contract Change Order - FY 2015-16 Price Schedule Finalization: Cubic Transportation Systems, Inc. (\$210,000)

### Presenter:

Lynn Valdivia

### Recommended Action:

Committee Approval

### Attachments



METROPOLITAN  
TRANSPORTATION  
COMMISSION

**Agenda Item 2b**  
Bay Area Metro Center  
375 Beale Street  
San Francisco, CA 94105  
TEL 415.778.6700  
WEB [www.mtc.ca.gov](http://www.mtc.ca.gov)

## Memorandum

TO: Operations Committee

DATE: March 3, 2017

FR: Executive Director

W. I. 320-1221

RE: Clipper® Contract Action: Contract Change Order – FY 2015-16 Price Schedule Finalization: Cubic Transportation Systems, Inc. (\$210,000)

Staff recommends that the Operations Committee authorize the Executive Director or his designated representative to negotiate and enter into the following contract action, which was approved by the Clipper® Executive Board on February 27, 2017:

**Contract Change Order – FY 2015-16 Price Schedule Finalization: Cubic Transportation Systems, Inc. (Cubic) (\$210,000)**

The Clipper® Contract requires annual adjustment of specified Contract prices based on industry-specific labor and materials indices published by the Bureau of Labor Statistics (BLS). MTC agreed to an annual adjustment of prices because of the Contract's multi-year time-span. According to the terms of the Contract, a Provisional Price Schedule is implemented with an across-the-board 3% increase at the beginning of each fiscal year; and after the Bureau of Labor Standards publishes the applicable indices, a reconciliation is calculated and resolved via Contract Change Order.

This Change Order applies the contractual methodology to adjust prices in the Clipper® Contract for FY 2015-16. The applied methodology will increase operating costs by 1.72% retroactively for FY 2015-16, resulting in an additional cost of \$210,000 for operating invoices submitted during the fiscal year. Per the Clipper® Amended and Restated Memorandum of Understanding with the participating Operators, MTC will invoice the Operators for their shares of the operating cost adjustments.

This Change Order will finalize the Clipper® Contract Price Schedule for FY 2015-16 and enable Cubic to invoice for the increased operating costs. Cubic is neither a small business nor a disadvantaged business enterprise.

Staff recommends that this Committee authorize the Executive Director or his designee to negotiate and enter into one or more contract change order(s) with Cubic in an amount not to exceed \$210,000 for the services described above.

  
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Steve Heminger

SH: lv

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## REQUEST FOR COMMITTEE APPROVAL

### Summary of Proposed Contract Change Order

Work Item No.:	320-1221
Contractor:	Cubic Transportation Systems, Inc. San Diego, CA
Project Title:	Final FY 2015-16 Price Schedule for Clipper® Contract
Purpose of Contract Change Order:	Adopt a price-adjusted Clipper® Contract Price Schedule for FY 2015-16 in accordance with the terms and conditions of the Clipper® contract
Brief Scope of Work:	Finalize Clipper® Contract Price Schedule for FY 2015-16, including \$210,000 in additional operating costs for MTC and the participating transit operators
Project Cost Not to Exceed:	\$210,000 (this Change Order does not increase the Clipper® capital contract value regularly reported to this Committee)
Funding Source:	Participating Operator funds, STP, CMAQ, STA, STP Exchange, and Regional Measure 2 Operating
Fiscal Impact:	Funds available in the FY 2016-17 MTC agency budget. Participating Operators will cover a portion of the costs per the Clipper® Amended and Restated Memorandum of Understanding.
Motion by Committee:	That the Executive Director or his designee is authorized to negotiate and enter into a Contract Change Order to the Clipper® Contract with Cubic Transportation Systems, Inc. as described above and in the Executive Director's memorandum dated March 3, 2017, and the Chief Financial Officer is authorized to set aside \$210,000 for such Change Order(s).
Operations Committee:	<hr/> Scott Haggerty, Chair
Approved:	March 10, 2017



# Metropolitan Transportation Commission

375 Beale Street, Suite 800  
San Francisco, CA 94105

## Legislation Details (With Text)

**File #:** 17-2332      **Version:** 1      **Name:**  
**Type:** Contract      **Status:** Consent  
**File created:** 2/9/2017      **In control:** Operations Committee  
**On agenda:** 3/10/2017      **Final action:**  
**Title:** Contract Amendment - Motorist Aid System Support: TeleTran Tek Services, Inc. (\$200,000)  
Contract amendment with TeleTran Tek Services, Inc. for motorist aid system support.

**Sponsors:**

**Indexes:**

**Code sections:**

**Attachments:** [2c\\_TeleTran Tek contract action .pdf](#)

Date	Ver.	Action By	Action	Result
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### Subject:

Contract Amendment - Motorist Aid System Support: TeleTran Tek Services, Inc. (\$200,000)

Contract amendment with TeleTran Tek Services, Inc. for motorist aid system support.

### Presenter:

Stephen Terrin

### Recommended Action:

Committee Approval

### Attachments



METROPOLITAN  
TRANSPORTATION  
COMMISSION

**Agenda Item 2c**  
Bay Area Metro Center  
375 Beale Street  
San Francisco, CA 94105  
TEL 415.778.6700  
WEB [www.mtc.ca.gov](http://www.mtc.ca.gov)

## *Memorandum*

TO: Operations Committee

DATE: March 3, 2017

FR: Executive Director

W. I. 6032

RE: Contract Amendment – Motorist Aid System Support: TeleTran Tek Services, Inc. (\$200,000)

Staff recommends that the Committee approve a contract amendment with TeleTran Tek Services, Inc. (TeleTran Tek) for motorist aid system support in an amount not to exceed \$200,000 for FY 2017-18 through FY 2018-19.

### **Background**

Since 1992, MTC SAFE has employed TeleTran Tek to provide motorist aid system support in the form of data collection and analysis for the Call Box program and the Freeway Service Patrol (FSP). For the call box program, the operational data collected includes monthly call box answering statistics, maintenance repairs and service occurrences, and cellular service activities. For FSP, TeleTran Tek collects data on number and type of assists and tow truck drivers' performance.

The data is used to determine the quality of service being provided by the various partners and contractors in both programs and address deficiencies. The benefits to SAFE of TeleTran Tek's role in data creation have included not just its institutional knowledge but also a consistency that is useful when evaluating multi-year trends for service planning. This has led to MTC SAFE's FSP statistics to be among the most reliable in the state (indicating useful and clear trends) for the last several years.

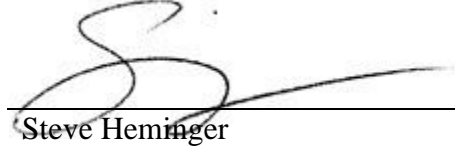
This Committee originally approved the contract with TeleTran Tek in May 2011. The base contract term was five years (through June 2016) with options to extend the term for up to five additional years through FY 2020-21. In May 2016, the Executive Director approved staff's recommendation for a one-year contract extension with TeleTran Tek through June 2017.

Staff now requests authority for a contract amendment with TeleTran Tek for motorist aid support services for an additional two years. While the proposed extension is less than what was initially envisioned for this contract, Staff believes that a two-year extension is a reasonable and prudent action that provides stability while preserving different options for filling the programs' future needs. TeleTran Tek is neither a small business nor a disadvantaged business enterprise and currently has no subcontractors.



**Recommendation**

Staff recommends that this Committee authorize the Executive Director to negotiate and enter into a contract amendment with TeleTran Tek. for motorist aid support services for MTC SAFE programs in an amount not to exceed \$200,000 for FY 2017-18 through FY 2018-19.



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Steve Heminger

SH:st

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action\_v2.docx

## REQUEST FOR COMMITTEE APPROVAL

### Summary of Proposed Contract Amendment

Work Item No.:	6032
Contractor:	TeleTran Tek Services, Inc. San Diego, CA
Project Title:	Motorist Aid System Support
Purpose of Project:	To provide motorist aid system support for MTC SAFE for FY 2017-18 and FY 2018-19.
Brief Scope of Work:	Provide data collection and analysis services for the various motorist aid programs operated by MTC SAFE, including the FSP and Call Box Programs
Project Cost Not to Exceed:	\$200,000 (this amendment ) \$541,526.00: Total Contract before this amendment \$741,526.00: Total Authorized Contract after this amendment
Funding Source:	SAFE
Fiscal Impact:	Funding for contracting year to be proposed for inclusion in agency budgets for FY 2017-18 and all subsequent contract years.
Motion by Committee:	That the Executive Director or his designee is authorized to and enter into a contract amendment with TeleTran Tek to provide motorist aid system support as described above and in the Executive Director's March 3, 2017 memorandum, and that the Chief Financial Officer is authorized to set aside funds in the amount of \$200,000 for such amendment, subject to approval of such funds in future agency budgets as specified above.
Operations Committee:	<hr/> Scott Haggerty, Chair
Approved:	March 10, 2017



# Metropolitan Transportation Commission

375 Beale Street, Suite 800  
San Francisco, CA 94105

## Legislation Details (With Text)

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**File #:** 17-2346      **Version:** 1      **Name:**

**Type:** Contract      **Status:** Consent

**File created:** 2/16/2017      **In control:** Operations Committee

**On agenda:** 3/10/2017      **Final action:**

**Title:** Contract Amendment - I-880 Integrated Corridor Management North Segment Project-Design  
Services: URS Corporation Americas (\$192,000)

**Sponsors:**

**Indexes:**

**Code sections:**

**Attachments:** [2d URS Design Services for I-880 ICM North Segment contract amendment.pdf](#)

Date	Ver.	Action By	Action	Result
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**Subject:**  
Contract Amendment - I-880 Integrated Corridor Management North Segment Project-Design  
Services: URS Corporation Americas (\$192,000)

**Presenter:**  
Emily Van Wagner

**Recommended Action:**  
Committee Approval

### Attachments



METROPOLITAN  
TRANSPORTATION  
COMMISSION

**Agenda Item 2d**  
Bay Area Metro Center  
375 Beale Street  
San Francisco, CA 94105  
TEL 415.778.6700  
WEB [www.mtc.ca.gov](http://www.mtc.ca.gov)

## *Memorandum*

TO: Operations Committee

DATE: March 3, 2017

FR: Executive Director

W.I.: 1235

RE: Contract Amendment - I-880 Integrated Corridor Management North Segment Project-Design Services: URS Corporation Americas (\$192,000)

This memorandum requests Committee approval of a contract amendment with URS Corporation Americas (URS) in an amount not to exceed \$192,000 to provide additional design services to complete the Plans, Specifications, and Estimates (PS&E) for the I-880 Integrated Corridor Management (I-880 ICM) North Segment Project and to provide design support services during project construction.

### **Background**

The I-880 ICM North Segment Project is a collaborative effort led by MTC, together with Caltrans District 4, City of Oakland, City of San Leandro, and Alameda-Contra Costa Transit District (AC Transit), to develop an enhanced arterial incident management strategy for the I-880 Corridor. Stakeholders identified this project for initial deployment along the northern segment of the I-880 Corridor as part of an overall ICM approach to improve mobility, accessibility, and safety. This project seeks to better coordinate and integrate Intelligent Transportation Systems (ITS) and operations across networks and jurisdictional boundaries.

The I-880 ICM North Segment Project will improve integration and operation of ITS systems in order to facilitate the active management of traffic that has naturally diverted from the freeway due to incidents. The project includes the installation of ITS infrastructure on arterial streets, such as closed circuit television cameras, trailblazer (electronic message) signs, and traffic signal intersection upgrades, including curb ramps, detectors, signal coordination, and communications.

In August 2011, MTC awarded URS a contract to assist MTC SAFE and project stakeholders with development of an I-880 incident management strategy. URS was selected from an approved list of fifteen consultants authorized by the BATA Oversight Committee in 2011, to provide on-call construction management and design services for BATA, MTC, and MTC SAFE projects. In October 2011, this committee approved an amendment for preparation of a combined Project Study Report/Project Report for an initial project, the I-880 ICM North Segment Project. In December 2012, this Committee approved an amendment to provide design services to develop the PS&E. URS is neither a small business nor a disadvantaged business enterprise and currently has no subcontractors.


The project has encountered numerous design challenges, several of which stem from the large number and high variability of arterial intersections within the nine-mile project area. Examples include: investigation of 13 intersections and subsequent design of accessible curb ramps at seven locations within the City of Oakland; field reviews and coordination with Oakland staff on options for trailblazer sign communications at 34 locations; design for vehicle and pedestrian detection at key locations where neither was in place; and topographic mapping at key intersections where current right of way maps did not exist. In addition, close coordination with Union Pacific Railroad was required for wireline design crossings at three locations.

Under the proposed amendment, URS would coordinate with Pacific Gas & Electric on the final trailblazer sign power solutions at key locations and complete accessible curb ramp design at one intersection within Caltrans' right of way. Indications in late fall 2016 were that design at this intersection would be completed by a developer who had already submitted to the City of Oakland an initial design, including curb ramps; however, the developer has not yet re-submitted its design for review, and there is no clear indication when such re-submittal would take place. MTC will direct URS to complete the design to avoid delaying approval of the 100% PS&E.

Following approval of the 100% PS&E and issuance of an encroachment permit by Caltrans in April, MTC will submit its Federal funding application for review and approval. Following receipt of Federal construction funding, MTC will issue procurements for construction management, civil construction and system integration services later this year. Under the proposed amendment, URS would also provide design support services during project construction.

#### **Recommendation**

Staff recommends that the Committee authorize the Executive Director or his designee to negotiate and enter into a contract amendment with URS to provide additional design support services for completion of the Plans, Specifications and Estimates and to provide design support services during construction for the I-880 ICM North Segment Project in an amount not to exceed \$192,000.



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Steve Heminger

SH: evw

REQUEST FOR COMMITTEE APPROVAL  
Summary of Proposed Contract Amendment

Work Item No.:	1235
Vendor:	URS Corporation Americas San Jose, CA
Work Project Title:	I-880 Integrated Corridor Management
Purpose of Project:	Develop design documents for implementation of an enhanced incident management strategy for the I-880 Corridor.
Brief Scope of Work:	Prepare final design and associated Plans, Specifications, and Estimates, including accessible curb ramp design (6 <sup>th</sup> /Jackson in Oakland) and communication strategy for trailblazer signs (Oakland). Provide design support services during project construction.
Project Cost Not to Exceed:	\$192,000 (this amendment) \$1,879,648: Total contract before this amendment \$2,071,648: Total authorized contract after this amendment
Funding Source:	SAFE; CMAQ
Fiscal Impact:	\$92,000 is available in the FY 2016-17 SAFE budget. \$100,000 is subject to approval in MTC's FY 2017-18 budget (pending receipt of Federal construction funding).
Motion by Committee:	That the Executive Director or his designee is authorized to negotiate and enter into a contract amendment with URS Corporation Americas for the preparation of Plans, Specifications and Estimates and provision of design support services during construction as described above and in the Executive Director's March 3, 2017 memorandum, and the Chief Financial Officer is directed to set aside funds in the amount of \$192,000 for such contract amendment.
Operations Committee:	
	<hr/> Scott Haggerty, Chair
Approved:	Date: March 10, 2017



# Metropolitan Transportation Commission

375 Beale Street, Suite 800  
San Francisco, CA 94105

## Legislation Details (With Text)

<b>File #:</b>	17-2305	<b>Version:</b>	1	<b>Name:</b>	
<b>Type:</b>	Contract	<b>Status:</b>		Committee Approval	
<b>File created:</b>	2/3/2017	<b>In control:</b>		Operations Committee	
<b>On agenda:</b>	3/10/2017	<b>Final action:</b>			
<b>Title:</b>	511 Update and Contract Actions				
	i. Contract Amendment - 511 Web Services: Civic Resource Group (\$2,478,663)				
	ii. Contract Amendment - 511 Technical Advisory Services: Kimley-Horn and Associates (\$375,000)				
	iii. Contract Amendment - 511 System Integrator: Iteris, Inc. (\$1,522,369)				
	iv. Contract Amendment - 511/EL Operational Services: Faneuil, Inc. (\$330,535)				

Program update and request for approval to amend three contracts that support delivery of MTC's 511 Program.

### Sponsors:

### Indexes:

### Code sections:

**Attachments:** [3a 511 Update and Contract Actions.pdf](#)

Date	Ver.	Action By	Action	Result
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### Subject:

#### 511 Update and Contract Actions

- i. Contract Amendment - 511 Web Services: Civic Resource Group (\$2,478,663)
- ii. Contract Amendment - 511 Technical Advisory Services: Kimley-Horn and Associates (\$375,000)
- iii. Contract Amendment - 511 System Integrator: Iteris, Inc. (\$1,522,369)
- iv. Contract Amendment - 511/EL Operational Services: Faneuil, Inc. (\$330,535)

Program update and request for approval to amend three contracts that support delivery of MTC's 511 Program.

### Presenter:

Janet Banner and Shauna Callow

### Recommended Action:

Committee Approval

### Attachments



METROPOLITAN  
TRANSPORTATION  
COMMISSION

**Agenda Item 3a**

Bay Area Metro Center  
375 Beale Street  
San Francisco, CA 94105  
TEL 415.778.6700  
WEB [www.mtc.ca.gov](http://www.mtc.ca.gov)

## *Memorandum*

TO: Operations Committee

DATE: March 3, 2017

FR: Executive Director

W. I. 1224

RE: 511 Update and Contract Actions

- i. Contract Amendment – 511 Web Services: Civic Resource Group (\$2,478,663)
- ii. Contract Amendment – 511 Technical Advisory Services: Kimley-Horn and Associates (\$375,000)
- iii. Contract Amendment – 511 System Integrator: Iteris, Inc. (\$1,522,369)
- iv. Contract Amendment – 511/EL Operational Services: Faneuil, Inc. (\$330,535)

### **Background and Contract Actions**

At the June 2015 and February 2016 Committee meetings, staff presented 511's plans for next generation (Next Gen) traveler information services, which emphasized continued relevance within a significantly reduced budget and the flexibility to adapt to rapid technological evolution. Staff will provide a presentation on the Next Gen 511 system, which successfully launched in June 2016. Also, staff recommends that the Operations Committee authorize the Executive Director or his designated representative to negotiate and enter into each of the following contract actions. Attachment A summarizes each project team's small business and disadvantaged business enterprise status.

#### **i. Contract Amendment – 511 Web Services: Civic Resource Group (\$2,478,663)**

In June 2011, following a competitive procurement process, this Committee approved a contract with Civic Resource Group (CRG) to provide 511 website services for a five-year contract period with options to extend for up to five years. Under the proposed amendment, CRG would continue to enhance transit information on 511.org, maintain a staging site for testing new transit data, add express lanes information to 511.org, and implement personalized text message alerts. This amendment also renews the Google trip planner and base map license for the remaining contract years, and funds a disaster recovery option with Amazon Web Services (AWS) to ensure 511.org can recover quickly if the current hosting region goes down. Finally, this amendment adjusts rates and project management support for the remaining contract years, and provides contingency funds to address unforeseen needs and ensure flexibility for enhancements in future years. This amendment will add \$2,478,663 to the contract, bringing the contract total to \$13,163,090 for the nine-year period. A portion of the necessary funding is in the approved FY 2016-17 budget; additional funding is subject to the approval of the FY 2017-18 agency budget.

Staff recommends that the Committee authorize a contract amendment with CRG in an amount not to exceed \$2,478,663 for the above services.

#### **ii. Contract Amendment – 511 Technical Advisory Services: Kimley-Horn and Associates (\$375,000)**

In March 2014, this Committee approved a contract with Kimley-Horn and Associates (KH) to provide 511 technical advisory services as part of a competitively-procured, pre-qualified panel. Under this



amendment, KH would continue to provide data performance monitoring, systems engineering support, software development guidance, and strategic planning. This amendment will add \$375,000 and three years to the contract, bringing the contract total to \$956,745 for the six-year period; extension through 2020 aligns this contract with other 511 operational contracts. The funds for this amendment are subject to approval of future agency budgets.

Staff recommends that the Committee authorize a three-year contract amendment through June 30, 2020 with KH in an amount not to exceed \$375,000 for the above services.

**iii. Contract Amendment – 511 System Integrator: Iteris, Inc. (\$1,522,369)**

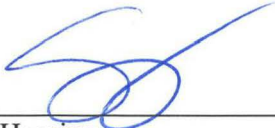
In September 2015, following a competitive procurement process, the MTC Commission approved a contract with Iteris, Inc. (Iteris) to integrate, implement, and operate 511 systems. Under this amendment, Iteris would further automate the collection of BART real-time transit data, and enhance the Regional Transit Database to allow for transit service data change reporting and provision of holiday and special service timetables. This amendment also funds licensing and/or support costs for email administration, HERE traffic data, AWS cloud hosting, and Java Message Service. Finally, this amendment provides operating funds for transit agencies new to 511 and new express lanes data, and provides contingency funds to address unforeseen needs and ensure flexibility for enhancements in future years. This amendment will add \$1,522,369 to the contract, bringing the contract total to \$10,764,008 for the four-year term. Partial funding for this amendment is included in the approved FY 2016-17 agency budget, and the remaining funds for this amendment are subject to approval of future agency budgets.

Staff recommends that the Committee authorize a contract amendment with Iteris, Inc. in an amount not to exceed \$1,522,369 for the above services.

**iv. Contract Amendment – 511/EL Operational Services: Faneuil, Inc. (\$330,535)**

In March 2016, following a competitive procurement process, this Committee approved a contract with Faneuil, Inc. (Faneuil) to support real-time operations of both MTC's 511 Traveler Information System and Bay Area Express Lanes. The operational services contractor provides staff resources to monitor, operate, and coordinate coverage during daily operations and emergency events. This amendment will add \$330,535 in contingency funds to the contract to allow for additional staffing during regular or emergency operations, if current levels prove insufficient, bringing the contract total to \$5,839,445 for the four-year term. Partial funding for this amendment is included in the approved FY 2016-17 agency budget, and the remaining funds for this amendment are subject to approval of future agency budgets.

Staff recommends that the Committee authorize a contract amendment with Faneuil, Inc. in an amount not to exceed \$330,535 for the above services.

  
\_\_\_\_\_  
Steve Heminger

**Attachment:**

- Attachment A: Small Business and Disadvantaged Business Enterprise Status

SH: sc

J:\COMMITTEE\Operations\2017 Operations Comm Packet\03\_OPS\_Mar\_2017\3a\_511 Next Gen Update\_Contract Actions\_v16.docx

**Attachment A**  
**Small Business and Disadvantaged Business Enterprise Status**

### i) 511 Web Services

			DBE * Firm			SBE ** Firm		
<b>Prime/ Subcontractor</b>	<b>Firm Name</b>	<b>Role on Project</b>	<b>Yes</b>	<b>If Yes, List #</b>	<b>No</b>	<b>Yes</b>	<b>If Yes, List #</b>	<b>No</b>
Prime Contractor	Civic Resource Group Intl.	Deliver 511 website services			X	X	1794963	
Subcontractor	Olson Communications	Project Management support, Variable web services support	X	25220				X
Subcontractor	Microlink Enterprise Inc.	Design, development, and testing support	X	31714				X
Subcontractor	OzNet Systems	Analysis, testing, and deployment support	X	33075		X	54375	
Subcontractor	Arellano Associates LLC	Testing support	X	41199		X	2000360	
*Denotes Certification by the California Unified Certification Program (CUCP)								
**Denotes certification by the State of California								

## ii) 511 Technical Advisory Services

			DBE * Firm			SBE ** Firm		
Prime/ Subcontractor	Firm Name	Role on Project	Yes	If Yes, List #	No	Yes	If Yes, List #	No
Prime Contractor	Kimley - Horn and Associates	Provide strategic advice and technical guidance			X			X
Subcontractor	Wiltec	Project Support - Performance Monitoring	X	8440				X
Subcontractor	Advantec	Systems Engineering - Quality Control Review	X	30139				X
*Denotes Certification by the California Unified Certification Program (CUCP)								
**Denotes certification by the State of California								

## iii) 511 System Integrator

			DBE * Firm			SBE ** Firm		
<b>Prime/ Subcontractor</b>	<b>Firm Name</b>	<b>Role on Project</b>	<b>Yes</b>	<b>If Yes, List #</b>	<b>No</b>	<b>Yes</b>	<b>If Yes, List #</b>	<b>No</b>
Prime Contractor	Iteris	System Integrator/Data Mgmt			X			X
Subcontractor	TransSight	Operate and Maintain Transit/Parking/Gateway Systems; System Administration Support for 511 Operations Center	X	42484				X
Subcontractor	VoltDelta	Telephony and IVR Hosting			X			X
Subcontractor	HERE	Traffic Data			X			X
*Denotes Certification by the California Unified Certification Program (CUCP)								
**Denotes certification by the State of California								

## iv) 511/EL Operational Services

			DBE * Firm			SBE ** Firm		
<b>Prime/ Subcontractor</b>	<b>Firm Name</b>	<b>Role on Project</b>	<b>Yes</b>	<b>If Yes, List #</b>	<b>No</b>	<b>Yes</b>	<b>If Yes, List #</b>	<b>No</b>
Prime Contractor	Faneuil, Inc.	Operational/Staffing Services for 511 & Express Lanes			X			X
Subcontractor	TransSight, LLC	Implementation and Ongoing Support for 511 Operations	X	42484				X
*Denotes Certification by the California Unified Certification Program (CUCP)								
**Denotes certification by the State of California								

REQUEST FOR COMMITTEE APPROVAL  
Summary of Proposed Consultant Contract Amendment

Work Item No.:	1224
Contractor:	Civic Resource Group Los Angeles, CA
Work Project Title:	511 Website Services
Purpose of Project:	Deliver 511 website services.
Brief Scope of Work:	Further enhance and operate information sources, backend systems, and user features. License Google trip planner and map. Adjust rates for remaining contract years.
Project Cost:	\$2,478,663 (this amendment) Total Contract before this amendment: \$10,684,427 Total Authorized Contract after this amendment: \$13,163,090
Funding Source:	CMAQ, SAFE, RM2, STP, STA, Toll Credits
Fiscal Impact:	\$421,320 is included in the MTC FY 2016-17 budget. \$2,057,343 is subject to approval of the MTC FY 2017-18 budget.
Motion by Committee:	That the Executive Director or his designee is authorized to negotiate and enter into a contract amendment with Civic Resource Group to provide the consulting services described above and in the Executive Director's memorandum dated March 3, 2017, and the Chief Financial Officer is authorized to set aside funds in the amount of \$2,478,663 for such amendment, as described above, with funds for future fiscal years subject to inclusion in such future budgets.
Operations Committee:	<hr/> Scott Haggerty, Chair
Approved:	Date: March 10, 2017

REQUEST FOR COMMITTEE APPROVAL  
Summary of Proposed Consultant Contract Amendment

Work Item No.:	1224
Contractor:	Kimley-Horn and Associates Oakland, CA
Work Project Title:	511 Technical Advisory Services
Purpose of Project:	To provide Technical Assistance to the 511 Program
Brief Scope of Work:	Provide strategic advice and technical guidance, performance monitoring and evaluation, procurement assistance, systems engineering, and project oversight and support.
Project Cost:	\$375,000 (this amendment) Total Contract before this amendment: \$581,745 Total Authorized Contract after this amendment: \$956,745
Funding Source:	STA, STP, Toll Credits
Fiscal Impact:	\$200,000 is included in the MTC FY 2017-18 budget. \$175,000 is subject to the approval of MTC FY 2018-19 budget.
Motion by Committee:	That the Executive Director or his designee is authorized to negotiate and enter into a contract amendment with Kimley-Horn and Associates to provide the consulting services described above and in the Executive Director's memorandum dated March 3, 2017, and the Chief Financial Officer is authorized to set aside funds in the amount of \$375,000 for such amendment, as described above, with funds for future fiscal years subject to inclusion in such future budgets.
Operations Committee:	<hr/> Scott Haggerty, Chair
Approved:	Date: March 10, 2017

**REQUEST FOR COMMITTEE APPROVAL**  
**Summary of Proposed Consultant Contract Amendment**

Work Item No.:	1224
Contractor:	Iteris, Inc. Santa Ana, CA and Berkeley, CA
Work Project Title:	511 SF Bay System Integrator, Data Management & Dissemination, and Interactive Voice Response Phone System Contractor
Purpose of Project:	To provide data and systems management and operate and maintain dissemination tools and data feeds for the multimodal 511 Traveler Information Service.
Brief Scope of Work:	Automate the collection of BART real-time transit data, enhance the 511 regional transit database, provide additional operations and maintenance for transit agencies that are new to 511, and further enhance and operate 511 data collection systems and dissemination services.
Project Cost:	\$1,522,369 (this amendment) Total Contract before this amendment: \$9,241,639 Total Authorized Contract after this amendment: \$10,764,008
Funding Source:	RM2, STA, STP, Toll Credits
Fiscal Impact:	\$678,369 is included in the MTC FY 2016-17 Agency budget.  \$497,000 is subject to approval of the MTC FY 2017-18 budget.  \$347,000 is subject to approval of the MTC FY 2018-19 budget.
Motion by Committee:	That the Executive Director or his designee is authorized to negotiate and enter into a contract amendment with Iteris, Inc. to provide the consulting services described above and in the Executive Director's memorandum dated March 3, 2017, and the Chief Financial Officer is authorized to set aside funds in the amount of \$1,522,369 for such amendment, as described above, with funds for future fiscal years subject to inclusion in such future budgets.
Operations Committee:	<hr/> Scott Haggerty, Chair
Approved:	Date: March 10, 2017

**REQUEST FOR COMMITTEE APPROVAL**  
**Summary of Proposed Consultant Contract Amendment**

Work Item No.:	1224 & 6840
Contractor:	Faneuil, Inc. Hampton, VA
Work Project Title:	511 Traveler Information and Express Lanes Operational Services
Purpose of Project:	To provide operational staffing services for the 511 Traveler Information System and Bay Area Express Lanes.
Brief Scope of Work:	Provide additional staffing resources for 511, as necessary.
Project Cost:	\$330,535 (this amendment) Total Contract before this amendment: \$5,508,910 Total Authorized Contract after this amendment: \$5,839,445
Funding Source:	STP, SAFE, STA, Toll Credits
Fiscal Impact:	\$33,052 is included in the MTC FY 2016-17 Agency budget.  \$99,161 is subject to approval of the MTC FY 2017-18 budget.  \$198,322 is subject to approval of the MTC FY 2018- 19 budget.
Motion by Committee:	That the Executive Director or his designee is authorized to negotiate and enter into a contract amendment with Faneuil, Inc. to provide the staffing services described above and in the Executive Director's memorandum dated March 3, 2017, and the Chief Financial Officer is authorized to set aside funds in the amount of \$330,535 for such amendment, as described above, with funds for future fiscal years subject to inclusion in such future budgets..
Operations Committee:	<hr/> Scott Haggerty, Chair
Approved:	Date: March 10, 2017

# **511 Traveler Information Service: Next Gen Update & Contract Actions**

**Operations Committee**

**March 10, 2017**



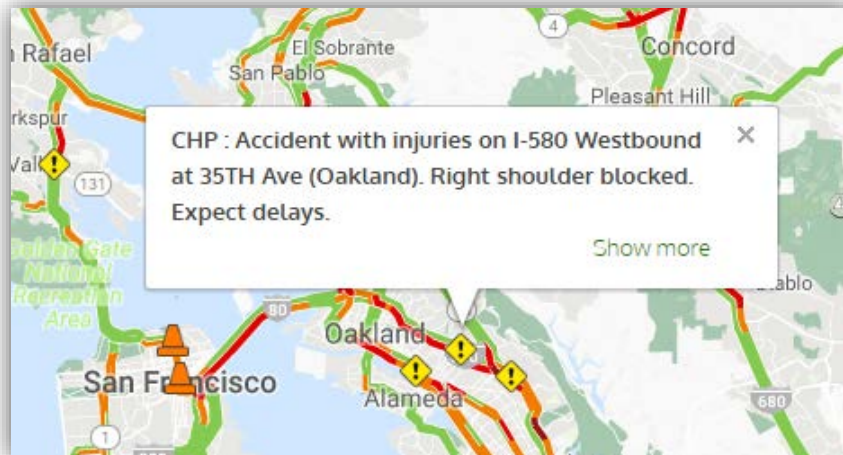
# Next Gen User Enhancements



511 MONTGOMERY STATION (Street-Level Service)			Page 1 of 2 11:44 AM	
Market/2nd NE island			min	
9	Cow Palace	1, 13		
9R	Sunnydale	2, 9		
6	Quintara 14th Avenue	3, 15		
7	Great Highway	10, 22		
Market/Montgomery SW island			min	
9	Ferry Plaza	1, 19		
9R	Ferry Plaza	7, 8		
6	Ferry Plaza	8, 18		
21	Ferry Plaza	11, 24		
Market/1st SW corner			min	
38	Transbay Terminal	1, 10		
5R	Transbay Terminal	1, 6		
38R	Transbay Terminal	3, 6		
2	Mission Main	6, 43		
5	Market Seventh Street	6, 15		
7	Transbay Terminal	16, 27		
Kearny/Geary NE corner			min	
30	Van Ness North Point	6, 11		
45	Lyon Greenwich	17, 23		
8	Fishermans Wharf	23, 27		
Call or visit 511.org for more real-time departures and alert information.				

# 511 Operations Center

- **Reduced budget by over 50%**
  - Automated data collection through software enhancement
  - Reduced hours and overall staffing
  - Coordinated staffing with Express Lanes Operations



511 SF Bay | METROPOLITAN TRANSPORTATION COMMISSION

Wherever you're going, start here

Home / Alerts & News / Traffic

### Traffic : Current Incidents

Current Incidents | Construction & Event Info | Caltrans Message Signs

Type	Route	Description	Last Updated
🛑	CA-152	Downed tree on CA-152 Eastbound and Westbound between Pole Line Rd (Gilroy) and Watsonville Rd (Gilroy). All lanes closed. Consider using alternate routes. (CHP) <a href="#">Show on map</a>	2:58 PM 2/6/2017
⚠️	I-580 W	Accident with injuries on I-580 Westbound at 35TH Ave (Oakland). Right shoulder blocked. Expect delays. (CHP) <a href="#">Show on map</a>	3:11 PM 2/6/2017
⚠️	CA-4 W	Accident with injuries on CA-4 Westbound east of Loveridge Rd (Pittsburg). Right shoulder blocked. Expect delays. (CHP) <a href="#">Show on map</a>	3:18 PM 2/6/2017
⚠️	I-580 W	Accident with injuries on I-580 Westbound east of Edwards Ave (Oakland). Lanes blocked. Expect delays. (CHP) <a href="#">Show on map</a>	3:18 PM 2/6/2017
⚠️	I-880 S	Accident on I-880 Southbound north of 23RD Ave (Oakland). On Ramp blocked. Expect delays. (CHP) <a href="#">Show on map</a>	3:20 PM 2/6/2017

Critical Alerts

Transit

News & Announcements

Emergencies

Regional Transportation Tweets

[@SpareTheAir](#)

14 minutes ago

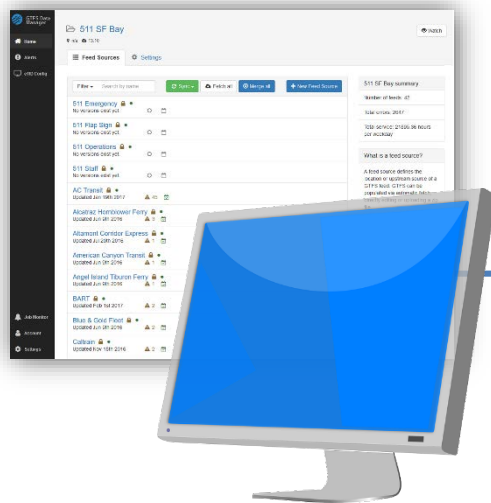
Lighting a fire in your fireplace pollutes the air in your house and your neighborhood. Rethink your wood fire...

<https://t.co/lolaZ50HD4>

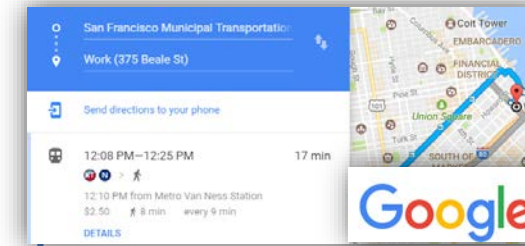
[@sfmta\\_muni](#)

# Transit Data Collection & Sharing

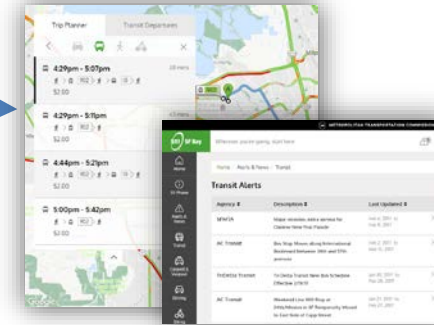
## Transit Data Manager



## Regional Transit Databases



## Google trip planner



## 511.org & 511 phone

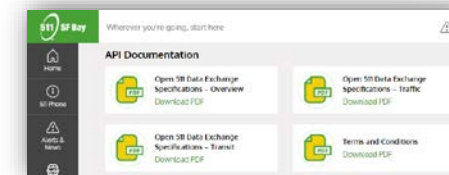
- Real-time departures
- Trip planning
- Schedules
- Alerts



## Ferry building flap sign



## Regional real-time signs

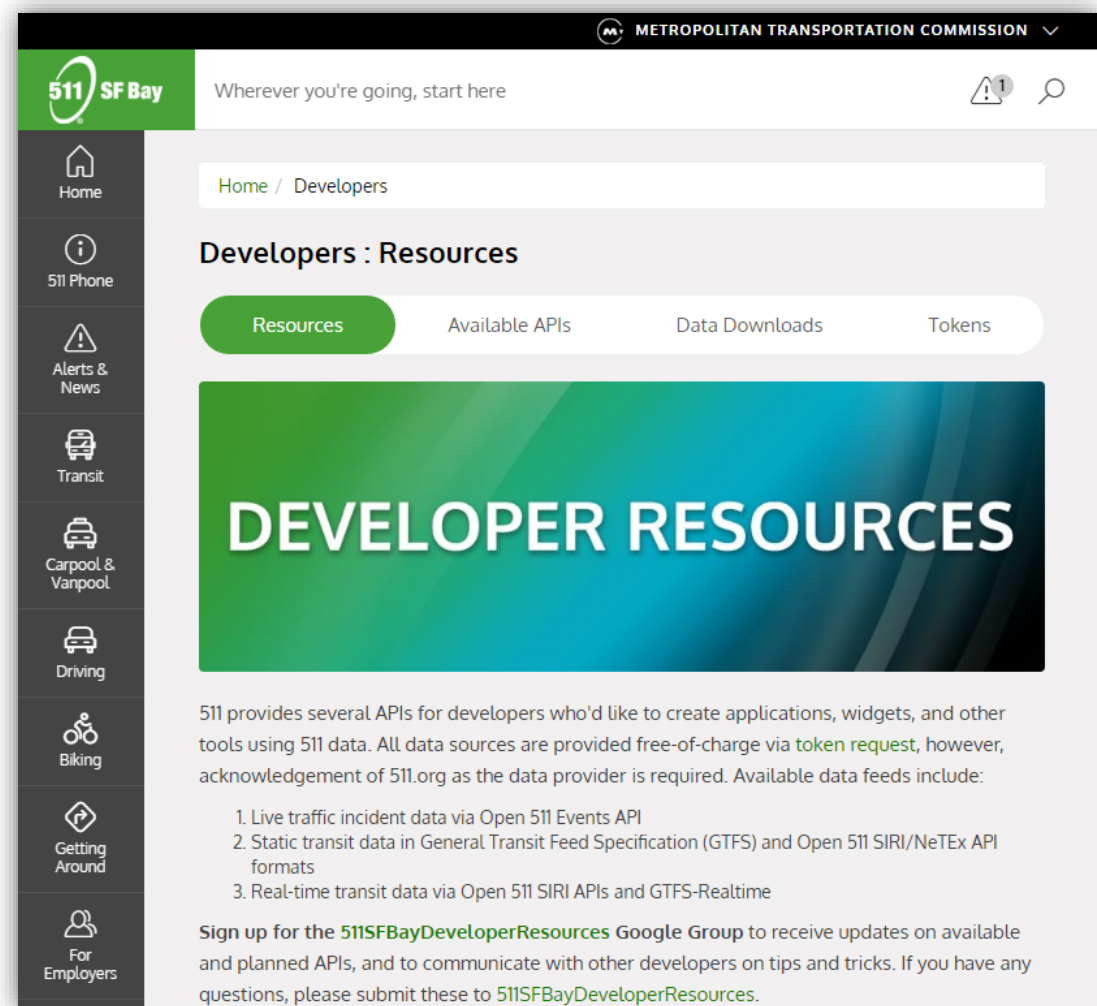


## Open 511 data



# Open Data

- One-stop portal for developers
- API driven data feeds
  - Live traffic incidents
  - Static transit schedules
  - Real-time transit departures & alerts
- Providing data to Google, Apple, TransitApp, and other apps



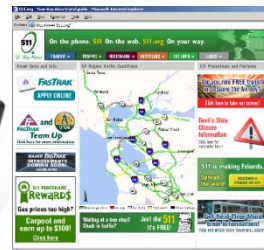
# Upcoming Enhancements

- Express lanes info added to 511.org & developer APIs
- Spanish on 511 phone system
- Transit data:
  - Detailed fare information
  - Holiday schedules
  - Expanded GTFS data

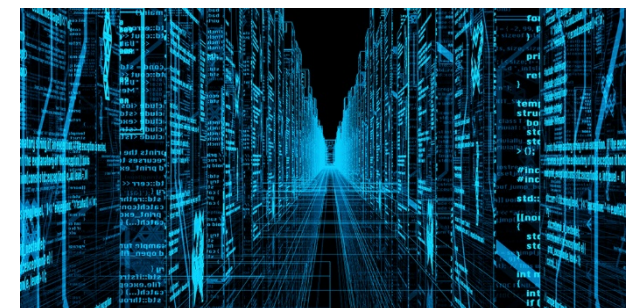


# Evolution of Traveler Information Services

TravInfo®



NextGen 511



1993

2002

2016

2017→



# Metropolitan Transportation Commission

375 Beale Street, Suite 800  
San Francisco, CA 94105

## Legislation Details (With Text)

**File #:** 17-2303      **Version:** 1      **Name:**  
**Type:** Report      **Status:** Informational  
**File created:** 2/1/2017      **In control:** Operations Committee  
**On agenda:** 3/10/2017      **Final action:**  
**Title:** Managed Lanes Implementation Plan: Transit and Park-Rides

Presentation on how transit and park-rides can support use of HOV lanes and how transit can benefit from improved HOV operations. Update on Commuter Parking element of Bay Bridge Forward.

**Sponsors:**

**Indexes:**

**Code sections:**

**Attachments:** [4a\\_MLIP-Transit and Park-Rides.pdf](#)

Date	Ver.	Action By	Action	Result
------	------	-----------	--------	--------

**Subject:**

Managed Lanes Implementation Plan: Transit and Park-Rides

Presentation on how transit and park-rides can support use of HOV lanes and how transit can benefit from improved HOV operations. Update on Commuter Parking element of Bay Bridge Forward.

**Presenter:**

Michelle Go and Stefanie Hom

**Recommended Action:**

Information

**Attachments**





METROPOLITAN  
TRANSPORTATION  
COMMISSION

**Agenda Item 4a**  
Bay Area Metro Center  
375 Beale Street  
San Francisco, CA 94105  
TEL 415.778.6700  
WEB [www.mtc.ca.gov](http://www.mtc.ca.gov)

## *Memorandum*

TO: Operations Committee

DATE: March 3, 2017

FR: Executive Director

W. I. 6840

RE: Managed Lanes Implementation Plan: Transit and Park-Rides

As part of the Managed Lanes Implementation Plan (MLIP) effort that began in spring 2015, MTC, Caltrans and the California Highway Patrol have explored operational and network improvements, including supportive transit, carpooling and commuter parking strategies, to improve the operations and management of both high-occupancy vehicle (HOV) and express lanes in the Bay Area.

Express buses, carpools, and park-rides are key support structures that help optimize managed lanes by essentially filling seats and moving a greater number of people in fewer cars through a congested corridor. Express bus services provided by Golden Gate Transit, AC Transit, and WestCat (to name a few) that take commuters in and out of San Francisco work best when they can take advantage of an HOV lane that provides riders speed and time savings that they may not otherwise get as a solo driver in a congested general purpose lane. Carpools – whether casual carpools or organized carpools – in the same vein can also benefit from the reliability of an HOV lane. Furthermore, park-ride lots are a key first-mile strategy that provide commuters with convenient locations to transfer from a single passenger vehicle to a carpool, vanpool, or transit. As part of the Bay Bridge Forward initiative, the Commission approved a funding plan in July 2016 to support the design/construction of three pilot park-ride lots within Caltrans airspaces under the freeways at I-880/High Street and I-880/Fruitvale Avenue in Oakland, and at I-80/Buchanan in Albany. These pilot park-ride lots will feature parking pricing and be equipped with parking management technologies to address payment, parking enforcement and real-time parking information.

Taken together, the improvements to express bus services, park-rides and carpooling as identified in MLIP are designed to complement any changes in HOV policies and support the operations of new express lanes projects to open soon.

At your March 2017 meeting, staff will provide you with a) an overview of the region's express bus and park-ride network to support managed lanes and b) an update on the Bay Bridge Forward: Commuter Parking Initiative.



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Steve Heminger

SH: mg/sh

J:\COMMITTEE\Operations\2017 Operations Comm Packet\03\_OPS\_Mar\_2017\4a\_Transit\_Park-Ride.docx

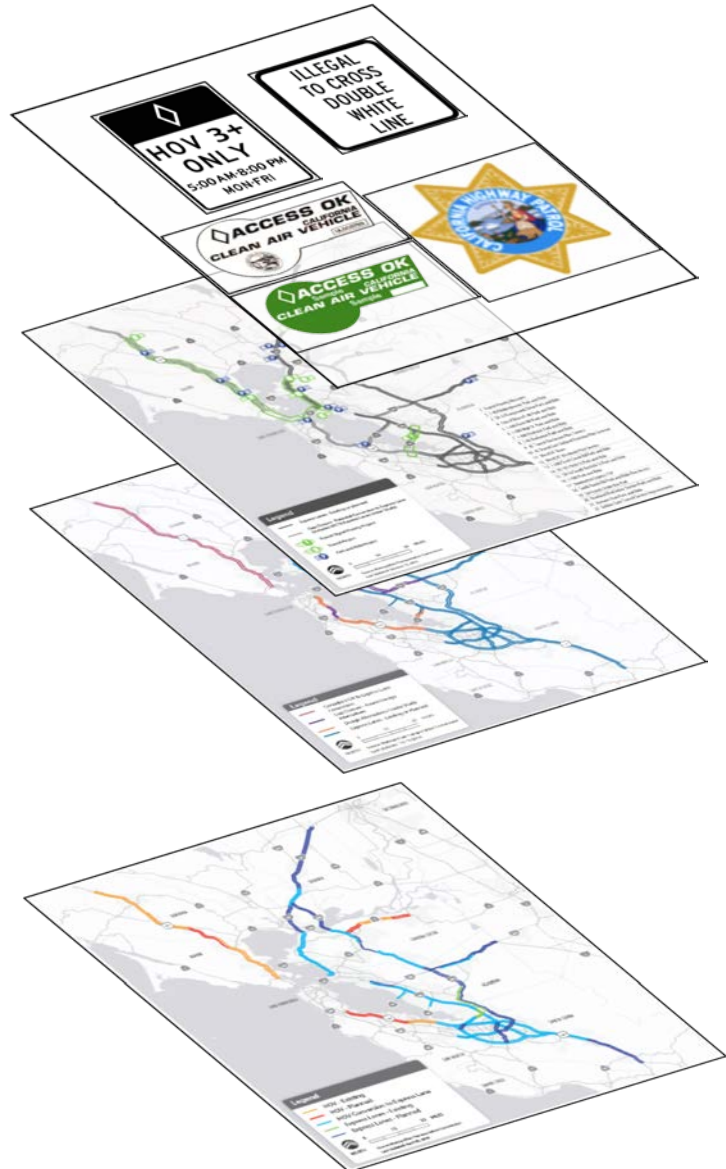


# Transit and Park-Rides

Operations Committee  
March 10, 2017



# Managed Lanes Implementation Plan



## 1) Improve Reliability (Address Degradation)

- ☒ Violations & Enforcement 5/16 OPS Committee
- ☒ Clean Air Vehicles 5/16 OPS Committee
- ☒ Hours of Operation Policy 1/17 OPS Committee

Occupancy Policy

## 2) Improve Consistency (Reduce Driver Confusion)

- Need for consistency as regional network starts to form

## 3) Increase Person Throughput (Efficiency)

- Improve access & attractiveness of all HOV Options  
Carpool → Transit
- Network Gap Closures (Connectivity)



Baseline: Existing and Planned HOV and Express Lanes

# Key Commuter Considerations to Using Transit and Carpools in HOV Lanes

TIME  
SAVINGS



RELIABILITY













ACCESS



COST  
SAVINGS



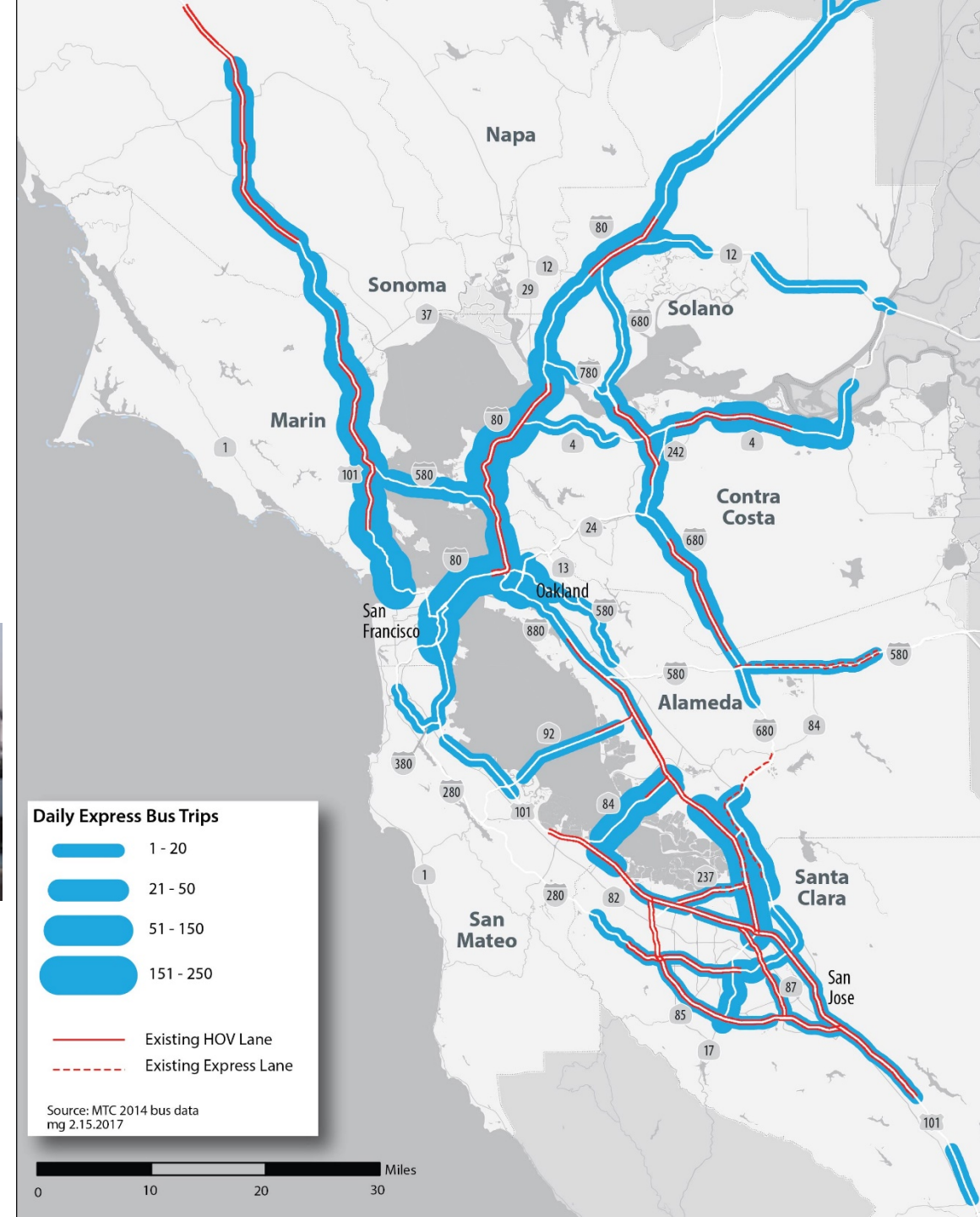
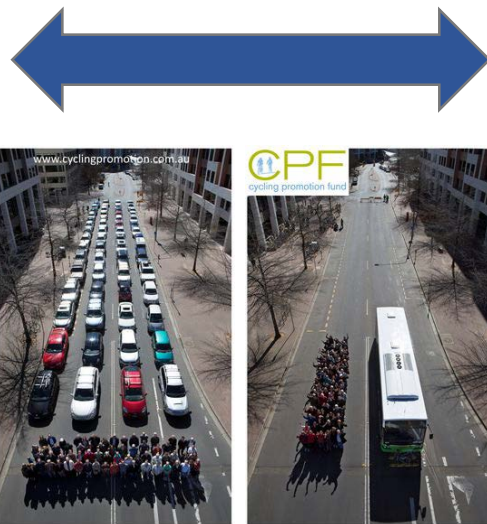
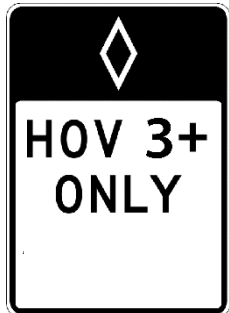
# Commute Option Tradeoffs on HOV Corridors

Trip Attribute	 Drive Alone		 Carpool		 Bus	
	 / 					
Travel Time	No waiting	Travel time depends on GP lane congestion	Non-degraded HOV lane offers time savings	Wait for pickup	Non-degraded HOV lane offers time savings	Wait for pickup; Wait for stops
Travel Time Reliability		Reliability depends on GP lane congestion	Non-degraded HOV lane improves reliability		Non-degraded HOV lane improves reliability	Wait for bus
Access	Easy departure	Difficulty parking	Passenger doesn't park	Must find carpool partner	No need to park at work	Need access to bus stops (park-ride or first/last mile)
Trip Cost	Other factors support drive alone	Gas; Tolls; Parking; Car Ownership (Wear & Tear, Insurance)	Split costs	Driving costs	No tolls; Less or no gas, parking, and car ownership costs	Bus Fare; First/last mile (park-ride or first/last mile)



# Express Bus Services

- Reliable HOV lanes offer speed and time savings
- Express buses can fill seats and move more people in fewer vehicles



# What If I-80 HOV Lanes Were Not Degraded?

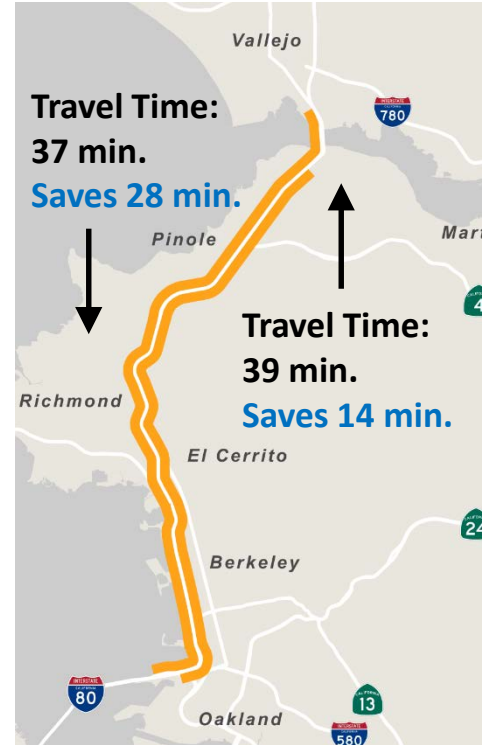
## Observed Travel Times

General Purpose (GP)  
Lane Travel Times



HOV Lane  
Travel Times

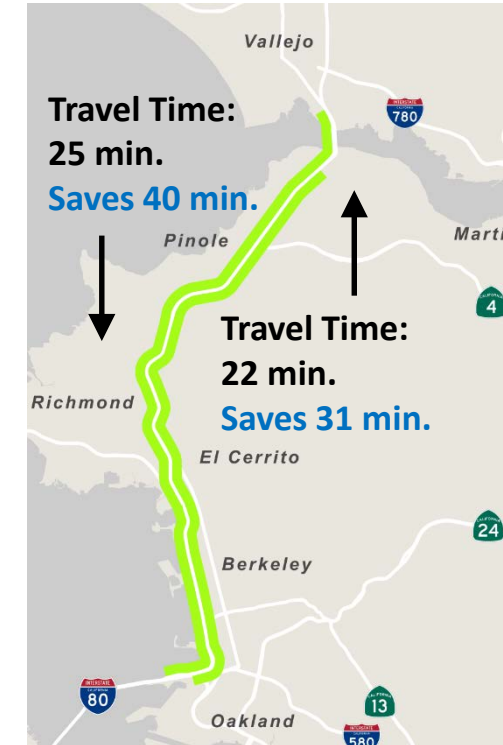
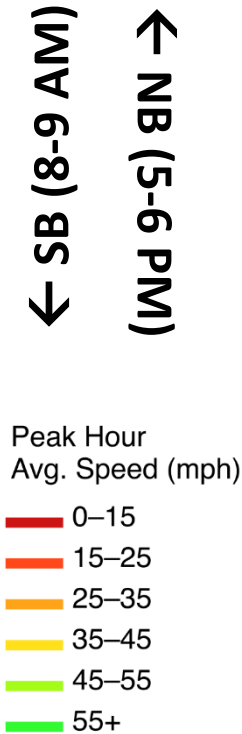
HOV vs GP  
Time Savings



## If HOV Lane Wasn't Degraded

HOV Lane Travel Times  
(≥45 MPH)

vs GP  
Time Savings



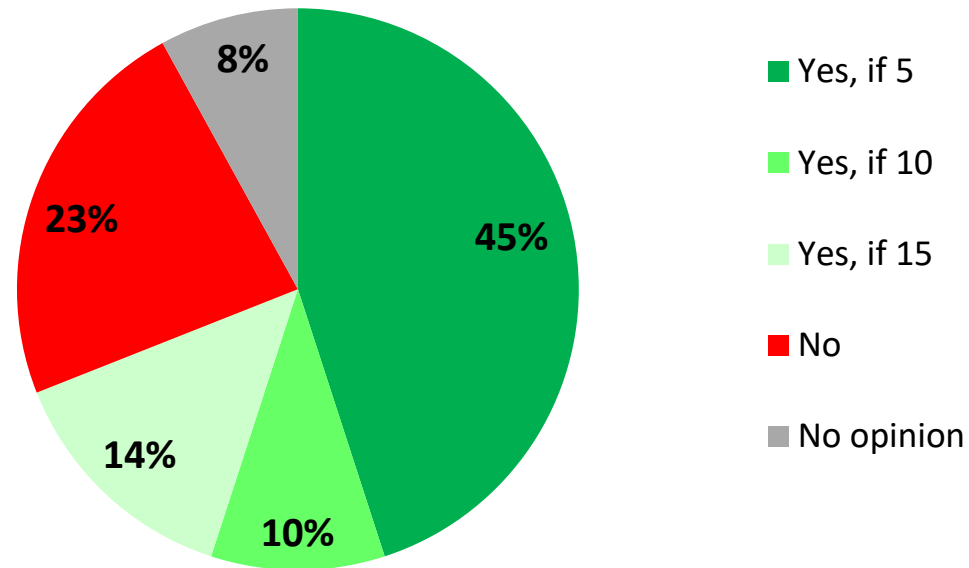
If federal performance standards were met, carpoolers and bus riders would move:

12 Minutes Faster SB – AM  
17 Minutes Faster NB – PM

## Regional Managed Lanes Survey:

# Time Savings & Willingness to Ride Express Bus

Would you take an express bus that uses an HOV lane if it was reliably five minutes faster than driving in the regular lanes? What if it was 10 minutes faster? What about 15 minutes faster?



Aggregate Bay Area Sample: 1208 Respondents

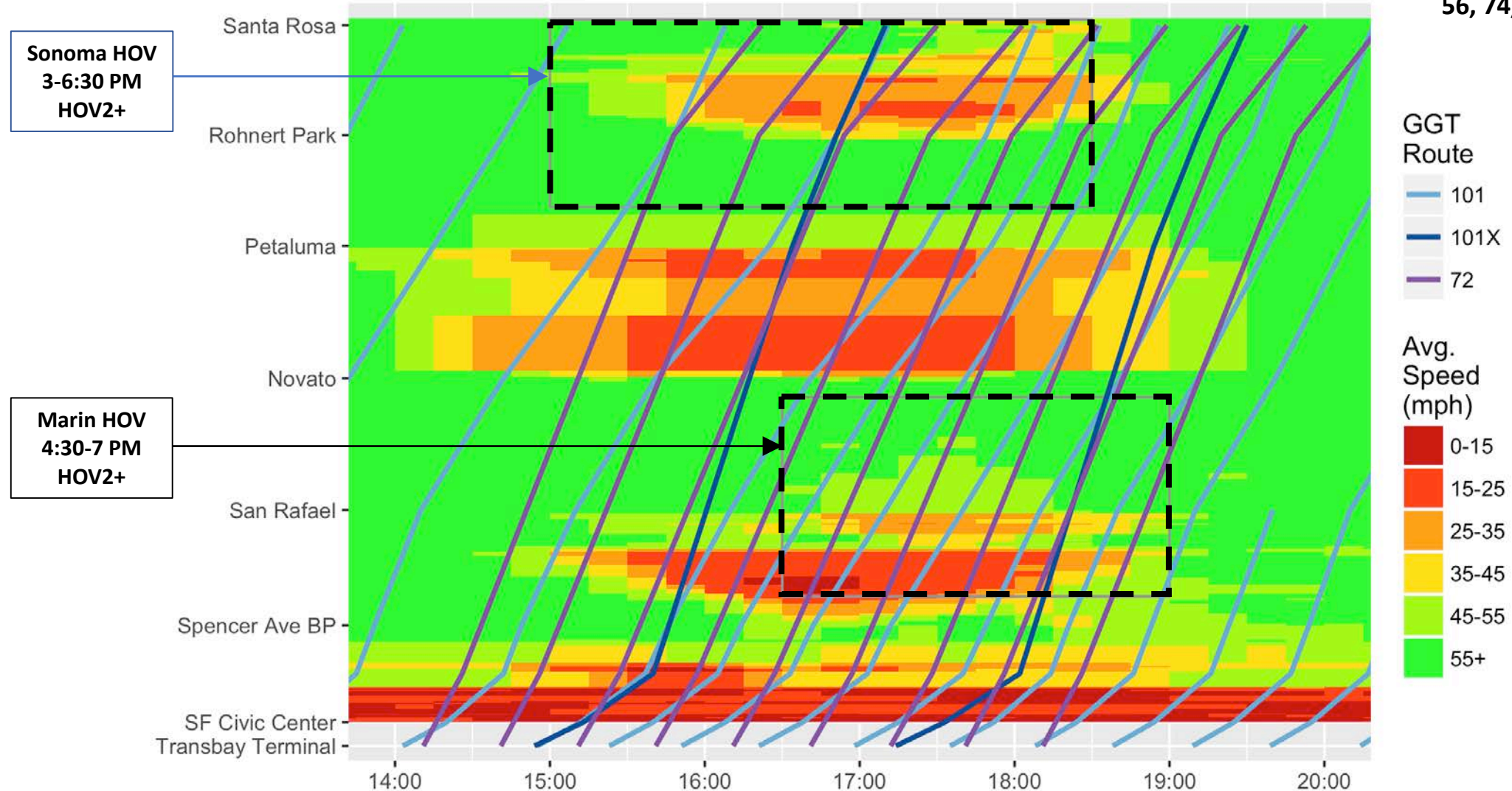
Source: MTC Managed Lanes Implementation Plan Survey (2016)



# Marin Sonoma 101 NB – PM

## 2016 Congestion & Express Buses

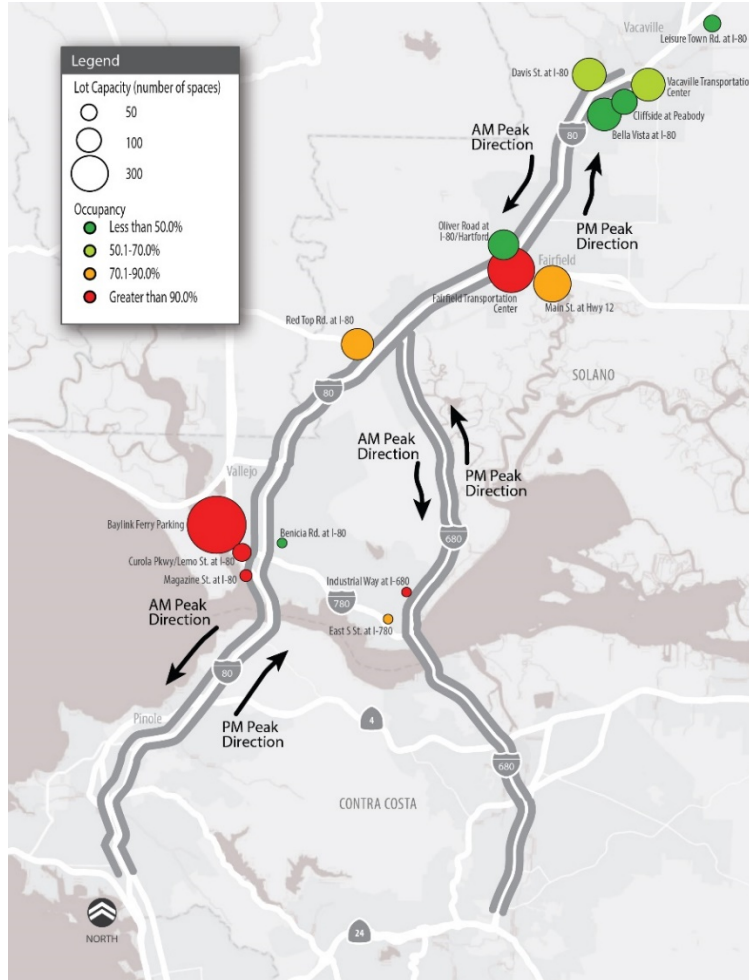
Routes delayed:  
72, 101, 101X (shown)  
56, 74, 76 (not shown)



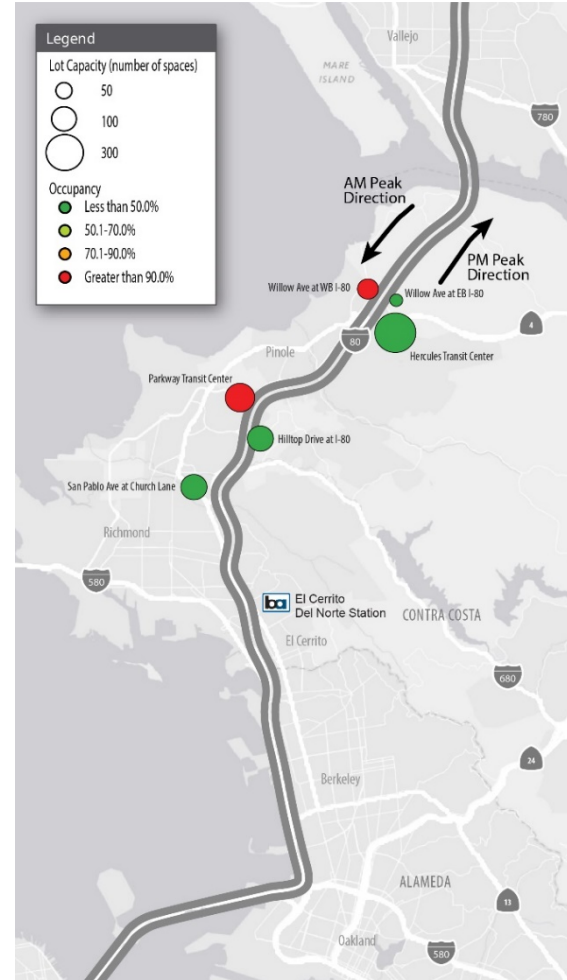


# Park-Ride Lots Help Address First Mile Gaps

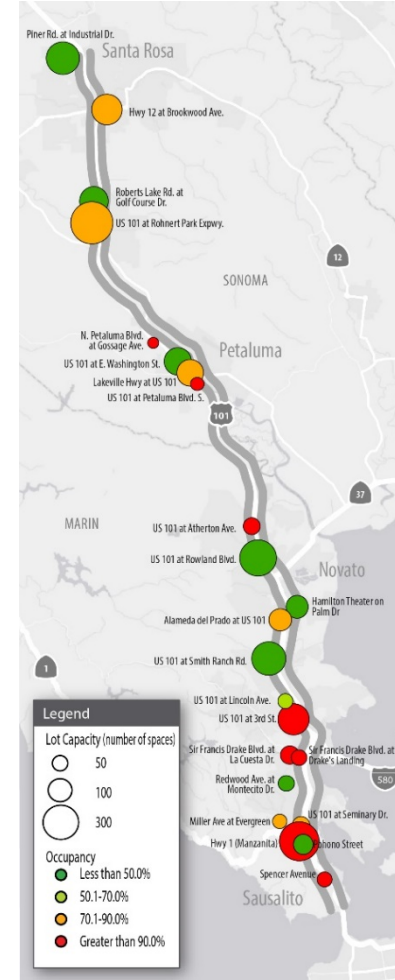
I-80 Solano



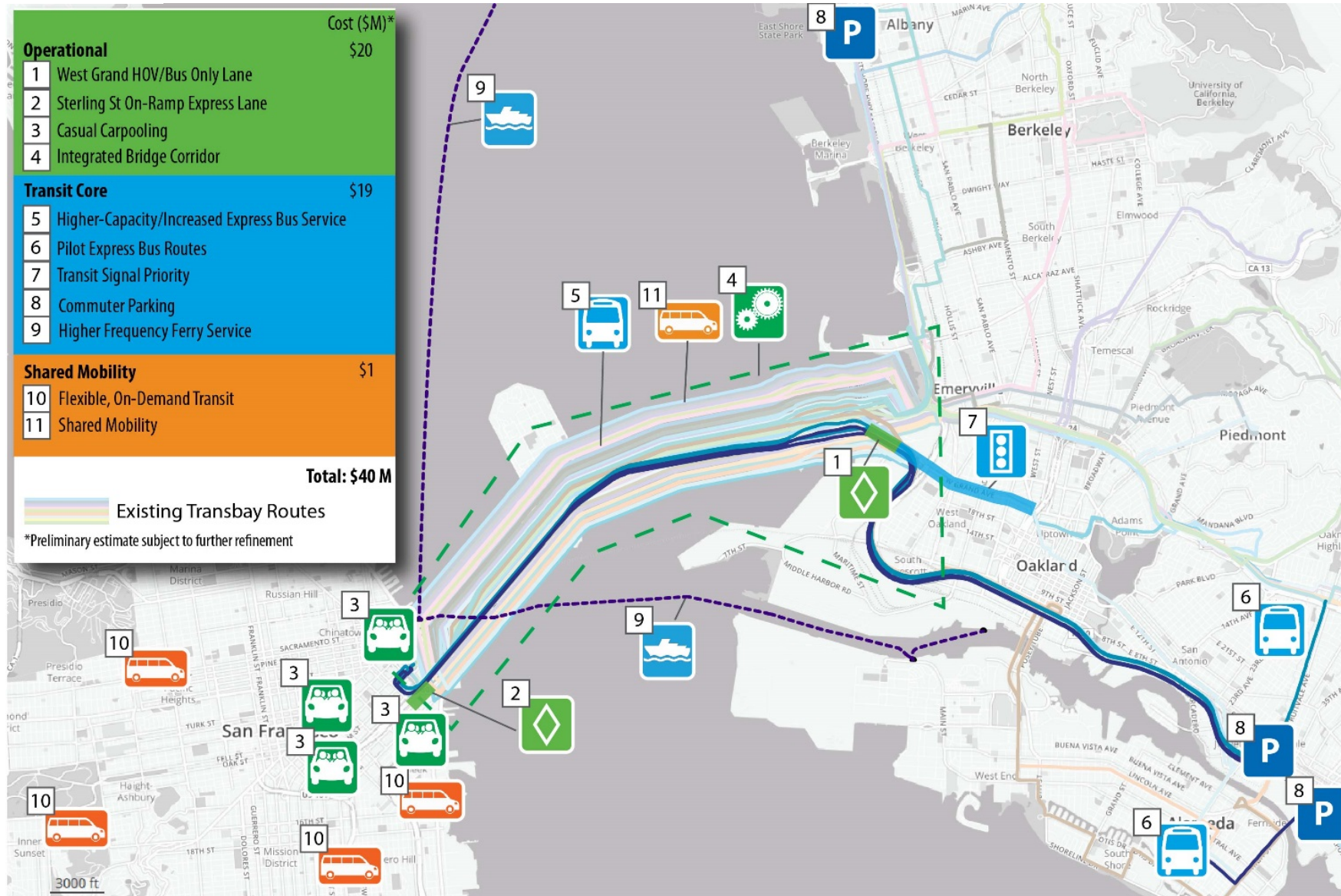
I-80 Alameda/Contra Costa



US-101 Marin/Sonoma



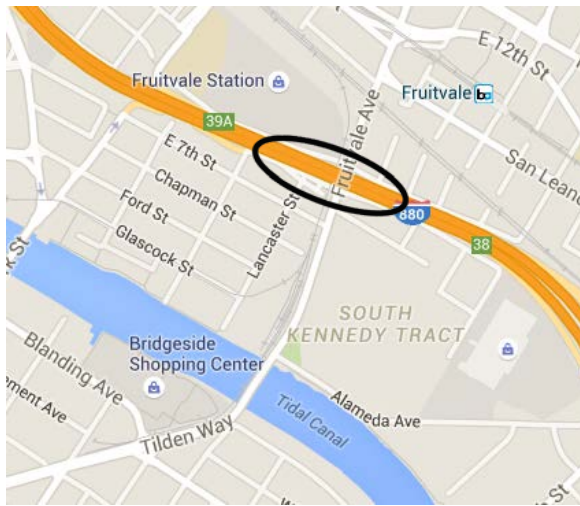
# Bay Bridge Forward: Near-Term, Low-Cost, & High-Impact Efficiency Strategies



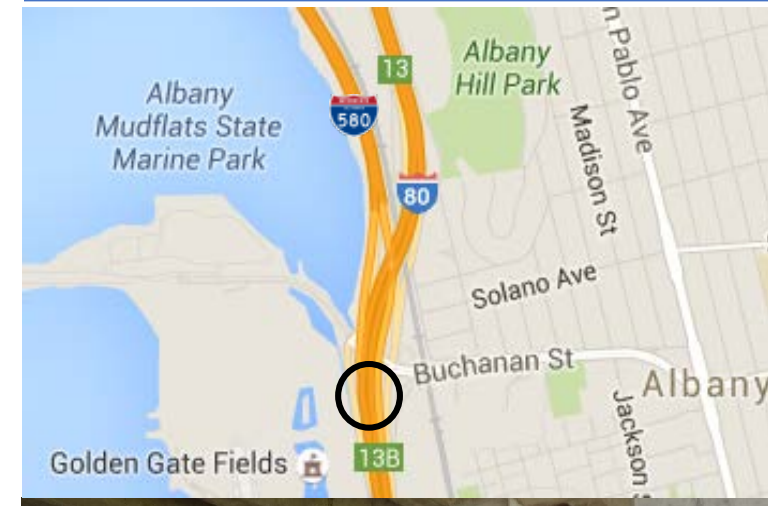


# Commuter Parking Initiative

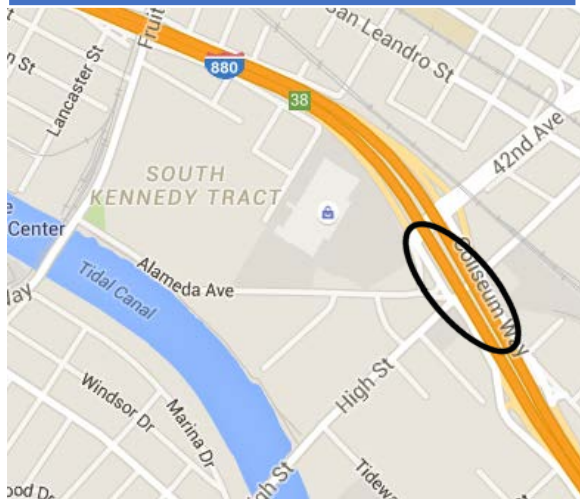
I-880/Fruitvale Ave (Oakland)



I-80/Buchanan St (Albany)



I-880/High St (Oakland)





# Parking Management Technology



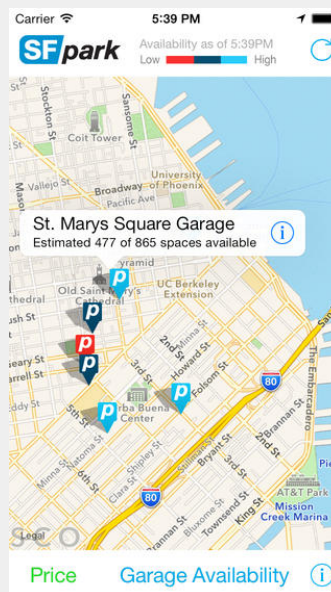
Payment



Real-Time Parking Information



Enforcement



# Commuter Parking Initiative Implementation Timeline and Supporting Activities



2015/11/05  
07:47:48



West Grand On-Ramp HOV/Bus Lane

Construction

OPERATIONAL  
SPRING 2018

AC Transit Comprehensive Operations Analysis/New Transbay Service

OPERATIONAL  
FALL 2018

Fall  
2016

Spring  
2017

Winter  
2017

Spring  
2018

COMMUTER PARKING INITIATIVE PLANNING, DESIGN & ENVIRONMENTAL

CONSTRUCTION

OPERATIONAL  
FALL 2018