



CVR-SAFE Committee

September 6, 2018, 10:00 a.m.

SACOG Board Room, 1415 L Street, Suite 300, Sacramento, CA

The CVR-SAFE Committee may take up any agenda item at any time, regardless of the order listed. Public comment will be taken on the item at the time that it is taken up by the committee. We ask that members of the public complete a request to speak form, submit it to the clerk of the committee, and keep their remarks brief. If several persons wish to address the board on a single item, the chair may impose a time limit on individual remarks at the beginning of the discussion. Action may be taken on any item on this agenda.

Note: Time durations are estimates only.

Roll Call: Directors Crews, Holmes, Peters, Saylor, Slowey, Schenirer, Vasquez, Veerkamp, Winn, Young, Vice Chair Joiner, Vice Chair Suen, Chair Cabaldon, and Ex Officio Member Benipal

Public Communications: Any person wishing to address the Committee on any item not on the agenda may do so at this time. After ten minutes of testimony, any additional testimony will be heard following the Action items.

Action:

1. Approve Minutes from the June 7, 2018, CVR-SAFE Committee Meeting (Jessica Lee) (Est. time: 1 minute)
2. CVR-SAFE Call Box Modernization Phase II (Barbara VaughBechtold) (Est. time: 10 minutes)

Receive and File:

3. Annual Fiscal Year 2017-2018 CVR-SAFE Statistics (Barbara VaughBechtold) (Est. time: 0 minutes)

Adjournment

Other Matters

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CVR - SAFE Committee

Meeting Date: 9/6/2018

Agenda Item No.: 2018-September-1.

Subject: Approve Minutes from the June 7, 2018, CVR-SAFE Committee Meeting (Est. time: 1 minute)

Action

Prepared by: Jessica Lee

Approved by: Matt Carpenter

Attachments: Yes

1. Issue:

Should the Capitol Valley Regional Service Authority for Freeways and Expressways (CVR-SAFE) Committee approve the June 7, 2018, meeting minutes?

2. Recommendation:

Approve the minutes of the meeting as submitted.

3. Background/Analysis:

The CVR-SAFE Committee met on June 7, 2018.

4. Discussion/Analysis:

The minutes of the June 7, 2018, meeting are attached for approval.

5. Fiscal Impact/Grant Information:

There is no fiscal impact.

6. This staff report aligns with the following SACOG Work Plan Goals:

ATTACHMENTS:

Description

Attachment: Draft Action Minutes

**CAPITOL VALLEY REGIONAL SERVICE AUTHORITY FOR FREEWAYS & EXPRESSWAYS
(CVR-SAFE)**

DRAFT ACTION MINUTES

The CVR-SAFE Committee met on June 7, 2018, in the Board Room on the Third Floor of the Meridian Plaza Building, located at 1415 L Street, Sacramento, CA, at 10:00 a.m.

CALL TO ORDER: Vice Chair Suen called the meeting to order at 10:05 a.m.

ROLL CALL: Present: Directors Crews, Peters, Saylor, Miller (for Slowey), Vasquez, Veerkamp, Winn, Young, Vice Chair Joiner, Vice Chair Suen, and Ex Officio Member Graham (for Benipal)
Absent: Directors Holmes, Sander, Schenirer, and Chair Cabaldon.

1. Minutes of the May 3, 2018, Meeting

Upon motion by Vice Chair Joiner, seconded by Director Crews, and passed by majority vote, the CVR-SAFE Committee approved the minutes as submitted.

Directors Holmes and Slowey abstained from voting.

2. Approve Final Fiscal Year 2018-2019 Budget for the CVR-SAFE

Upon motion by Director Crews, seconded by Vice Chair Joiner, the CVR-SAFE Committee unanimously recommended that the CVR-SAFE Board of Directors authorize the Chief Executive Officer to negotiate and award a contract for Call Box Maintenance Services to CASE Systems, Inc. for an amount not to exceed \$749,259.

3. Approve Final Fiscal Year 2018-2019 Budget for the CVR-SAFE

Upon motion by Director Crews, seconded by Vice Chair Joiner, the CVR-SAFE Committee unanimously recommended that the CVR-SAFE Board of Directors approve the final FY 2018-2019 CVR-SAFE budget.

Adjournment: The meeting adjourned at 10:13 a.m.



CVR - SAFE Committee

Meeting Date: 9/6/2018

Agenda Item No.: 2018-September-2.

Subject: CVR-SAFE Call Box Modernization Plan Phase II (Est. time: 10 minutes)

Action

Prepared by: Barbara VaughanBechtold

Approved by: Matt Carpenter

Attachments: Yes

1. Issue:

Should the board approve the Capitol Valley Regional Service Authority for Freeways and Expressways (CVR-SAFE) Call Box Modernization Plan Phase II?

2. Recommendation:

That the CVR-SAFE committee recommend that the CVR-SAFE board approve the Call Box Modernization Plan Phase II, and authorize the Chief Executive Officer (CEO) to: 1) submit for approval the Call Box Modernization Plan to the California Department of Transportation (Caltrans) and the California Highway Patrol (CHP); 2) contingent on Caltrans and CHP Plan approval, release a Request for Proposals (RFP) for the Call Box Modernization work; and 3) authorize the CEO to negotiate a contract with the selected vendor.

3. Background/Analysis:

Phase I of the Call Box Modernization Plan, which removed 48 percent of the system and upgraded remaining call boxes to 3G cellular service, was completed in Fiscal Year (FY) 2016-2017. In November 2017, Verizon announced that they will be eliminating all 3G service by the end of 2019. Call boxes must either be removed or upgraded to 4G cellular service by December 31, 2019, to continue working. SAFE programs across California are impacted by the technology change.

At the May CVR-SAFE committee meeting, staff identified several potential approaches for the six counties within the CVR-SAFE system. The committee chose the option of removing a majority of call boxes with less than five calls per year and upgrading the remainder, but asked staff to reach out to the appropriate jurisdictional staff within the

CVR-SAFE area to obtain input on the call box locations to be modernized or removed as part of the chosen Plan.

CVR-SAFE staff reached out and received input from most of the jurisdictions in the CVR-SAFE area. A number of jurisdictions and regional transportation planning agencies gave specific direction on removing or retaining and upgrading particular call boxes or groups of call boxes along roadway segments based on their local knowledge of services available in the area, public safety, etc. These include: El Dorado County Transportation Commission, City of Galt, City of Marysville, Sacramento County, San Joaquin Council of Governments, Sutter County, City of West Sacramento, Yolo County, and Yuba City. The other jurisdictions deferred to CVR-SAFE staff and committee recommendations.

4. Discussion/Analysis:

The Modernization Plan shown in the attachment provides detailed removal, upgrade, and cost estimates by county. The Modernization Plan proposes largely removing call boxes that had fewer than five calls in 2017, installing 511 roadside assistance signage along those roadway segments where call boxes are removed as mitigation for those removals, and upgrading all bike trail call boxes and the remaining roadway call boxes to 4G service. This would remove 154 roadside call boxes in the CVR-SAFE area, leaving 238 roadside and 62 bike trail call boxes in place. This amounts to removing 39 percent of the roadside call boxes remaining in the system after the Phase I modernization. A map with recommended removals and retained locations can be seen here (<https://bit.ly/2Bxveuh>).

This Plan does not address Glenn or Placer counties, as they prefer to upgrade all of their existing call boxes and will reimburse SACOG for all related costs.

Staff requests approval of the Phase II Plan with any additional modifications the committee may choose to make. After final board approval, staff will take the Modernization Plan to Caltrans and the CHP for their approval, then release an RFP for the Call Box Modernization work.

5. Fiscal Impact/Grant Information:

The actual number of call boxes removed or upgraded will ultimately determine the fiscal impact to the CVR-SAFE program. Staff estimates there are sufficient funds in the current FY 2018-2019 CVR-SAFE budget for Modernization Plan Phase II work this fiscal year. Any remaining costs for completion by December 2019, will be included in the FY 2019-2020 budget. Regardless of the number of call boxes that are modernized or removed, no fiscal impact to SACOG's operating budget is anticipated. CVR-SAFE is an enterprise program fully supported by the revenue generated through vehicle registration fees.

6. This staff report aligns with the following SACOG Work Plan Goals:

7. Deliver Key High-Profile Transportation Projects, 9. Better Connect and Communicate with Members and Regional Electeds

ATTACHMENTS:

Description

Attachment: Proposed CVR-SAFE Call Box Modernization Plan Phase II

Proposed CVR-SAFE Call Box Modernization Plan Phase II

	El Dorado	Sacramento	San Joaquin	Sutter	Yolo	Yuba	Six County
Current # of roadside call boxes	42	83	139	34	65	29	392
# of roadside call boxes to be removed	34	20	57	12	21	10	154
% of roadside call boxes to be removed	81%	25%	41%	35%	32%	35%	39%
Removal cost (\$600/call box)	\$20,400	\$12,000	\$34,200	\$7,200	\$12,600	\$6,000	\$92,400
# of 511 signs added***	17	10	28	6	10	5	76
Signage cost (\$700/sign)	\$11,900	\$7,000	\$19,600	\$4,200	\$7,000	\$3,500	\$53,200
# of bike trail call boxes remaining**	0	48	0	6	3	5	62
# of roadside call boxes remaining	8	63	82	22	44	19	238
Total # of call boxes remaining	8	111	82*	28*	47	24*	300
# of call box sites with coverage of only 3 major cellular carriers	0	0	1*	1*	0	4*	6
Upgrade to 4G Cost (\$1,600/call box)	\$12,800	\$177,600	\$131,200	\$44,800	\$75,200	\$38,400	\$480,000
Total Removal/Upgrade Costs (incl. 10% contingency)	<u>\$45,100</u>	<u>\$196,600</u>	<u>\$185,000</u>	<u>\$56,200</u>	<u>\$94,800</u>	<u>\$47,900</u>	<u>\$688,160</u>
Annual maintenance cost after removals (\$39.63/call box monthly maint. + \$19.63/retained cost for permanently removed call box)	\$11,814	\$57,498	\$52,423	\$16,142	\$27,298	\$13,769	\$178,944
Estimated cost to upgrade 4G call boxes to 5G in 3 years (assumes 4% annual cost increase & 10% contingency)	\$14,400	\$199,800	\$147,600	\$50,400	\$84,600	\$43,200	\$594,000

* The number of call boxes remaining includes the 6 call box sites that do not have full cellular coverage.

** No bike trail call boxes will be removed.

*** 511 signage will only be installed in roadside locations.



CVR - SAFE Committee

Meeting Date: 9/6/2018

Agenda Item No.: 2018-September-3.

Subject: Annual Fiscal Year 2017-2018 CVR-SAFE Statistics (Est. time: 0 minutes)

Receive and File

Prepared by: Barbara VaughanBechtold

Approved by: Matt Carpenter

Attachments: Yes

1. Issue:

Staff is sharing annual statistics on Capitol Valley Regional Service Authority for Freeways and Expressways (CVR-SAFE) core program services.

2. Recommendation:

None, this item is for information only.

3. Background/Analysis:

Attachments A through D provide Fiscal Year (FY) 2017-2018 annual statistics for each of the main programs operated by the CVR-SAFE and are described below.

Call boxes are a mandatory component for CVR-SAFE. CVR-SAFE manages call boxes including those on eligible highways, bike trail call boxes, and six "suicide prevention" call boxes located on the Foresthill Bridge in Placer County, where the CVR-SAFE has a service agreement to maintain the boxes. Glenn County has 32 highway call boxes which the CVR-SAFE maintains, with reimbursement provided from the Glenn County SAFE.

4. Discussion/Analysis:

At the completion of the first phase of the Call Box Modernization Program in FY 2016-2017, approximately 525 call box sites remained, with 492 call boxes currently active.

Freeway Service Patrol (FSP) programs are in operation in five counties. In the Sacramento/Yolo County area, FSP covers 748 lane miles (98 centerline miles) on 7 beats, with 17 trucks that operate during peak congestion periods. In San Joaquin County, FSP patrols are active on a 15-mile segment of I-205 and have provided additional coverage

during the construction along Highway 99 and I-5. El Dorado County's FSP program operates on Highway 50 beginning at the western county line and extends 10 miles towards Placerville.

The 511 Traveler Information network is deployed in many different forms. These include websites, smart phone apps and a telephone system. The Mobile Call Box Roadside Assistance program is a component of the telephone system and is covered by all cellular carriers on the highways. The number of 511 calls assisting motorists who would previously have made the aid call from a physical call box increased from 2,093 in FY 2016-2017 to 2,328 calls in FY 2017-2018. Staff believe that the "Roadside Assist Call 511" signs that were installed on the roadside in place of removed call boxes have increased the visibility of this service and led to much of the increase in calls.

5. Fiscal Impact/Grant Information:

There is no fiscal impact to SACOG's operating budget. CVR-SAFE is an enterprise program fully supported by the revenue generated through vehicle registration fees.

6. This staff report aligns with the following SACOG Work Plan Goals:

7. Deliver Key High-Profile Transportation Projects

ATTACHMENTS:

Description










Attachment A

Attachments B-D

Measure	Measure Details	FY 2016-17	FY 2017-18	Comments
Call boxes				
Call box availability	Percent of call boxes available for use	90%	99%	Due to completion of call box modernization
Average call delay	How soon is the motorist speaking with our call center operator?	58 seconds	55 seconds	
Total number of calls for year	Calls for aid	4,989	4,894	Maintenance call volumes and Mobile Call Box calls are not included.
Overall average calls per month	Simple Average	416	408	
Number of Mobile Call Box calls	Calls for motorist aid through 511 system	2,093	2,328	Higher call volume appears to be related to increased service visibility due to placement of Call 511 for Roadside Assistance signs.
Percentage of calls for maintenance	Percent of total calls that relate to repairs and twice-yearly maintenance.	13%	15%	Not included in reported volumes.
Number of bike trail call box calls	These are not typical motorist aid types of calls—voice calls go directly to various law enforcement agencies	2,378	2,806	Maintenance call volumes have been removed.
Freeway Service Patrol—El Dorado				
Number of assists	Stops to assist motorists	929	915	
Freeway Service Patrol—San Joaquin				
Number of assists	Stops to assist motorists	5,911	3,399	Decrease likely due to less construction activity on Hwy 99 and I-5.
Freeway Service Patrol—Sacramento/Yolo				
Number of assists	Stops to assist motorists	37,347 – Sacramento County 1,871 - Yolo County	34,683 – Sacramento County 2,010 – Yolo County	

<h2 style="text-align: center;">Capitol Valley Regional SAFE</h2> <h3 style="text-align: center;">Summary of Call Box Calls for FY 2017 / 2018</h3>					
492		4,894		588,494	
Call Boxes		Calls for Aid		Calls Since 1994	
Chico Dispatch	Boxes	Calls	Calls / box / month	Capitol Valley Regional SAFE	
Glenn	32	50	0.1		
Yuba	34	199	0.5		
Sutter	40	190	0.4		
TOTAL	106	439	0.4		
Sacramento Dispatch	Boxes	Calls	Calls / box / month		
Sacramento	131	3046	1.9		
Yolo	68	329	0.4		
El Dorado	42	216	0.4		
TOTAL	241	3591	1.2		
Stockton Dispatch	Boxes	Calls	Calls / box / month		
San Joaquin	139	633	0.4		
TOTAL	139	633	0.4		
Placer County	6	225	3.1		
Test / Unas.	0	5	NA		
CVRS Total	492	4894	0.84		
Average calls per call box / month			Call Volume by Dispatch		Average Call Box Call Length
					3:09
					Average Call Answer Delay
					55 seconds
FY 2017 / 2018 Call Box Calls by Month					FY 2017-2018 Mobile Call Box Calls
					2,328
Maintenance calls comprise an estimated 15% of all calls made in the Capitol Valley SAFE region and are not included in the totals reported.					
<p>The contents of this report reflect the views of the author who is responsible for the facts and the accuracy of the data presented herein. The contents do not necessarily reflect the official views or policies of the SAFE. This report does not constitute a standard, specification, or regulation.</p>					

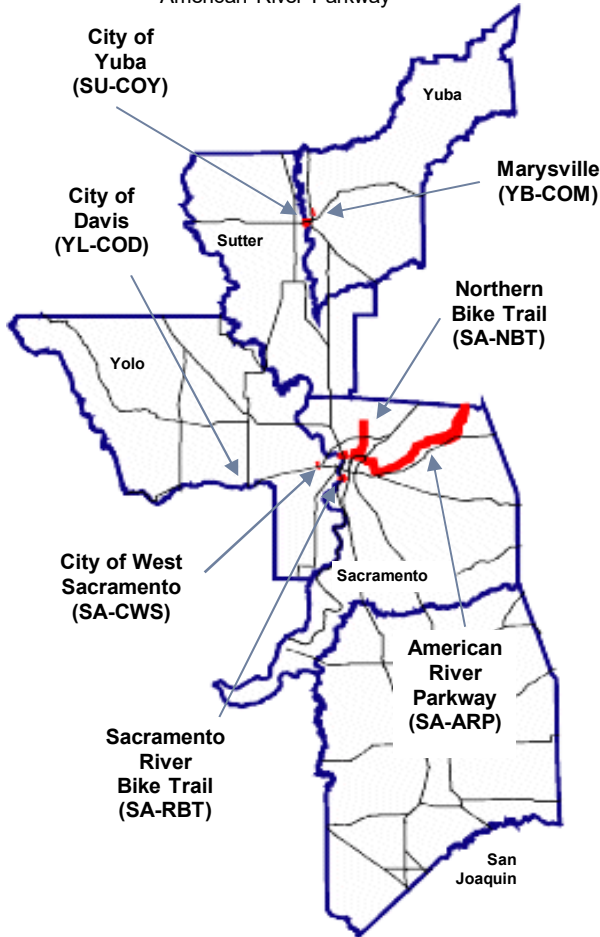
Capitol Valley Regional SAFE
Call Box Calls Grouped by Type of Assistance
FY 2017 / 2018 Report

	Type of Assistance	Percent	
1	California Highway Patrol (CHP)	52%	 <i>Road hazards, Fires, Accidents</i>
2	Auto Club (AAA)	4%	 <i>Motorist patched through to AAA</i>
3	Auto Club (Other)	2%	 <i>Motorist patched through to other auto club</i>
4	Friends & Family	5%	 <i>Motorist patched through to friends or family</i>
5	Freeway Service Patrol	5%	 <i>Motorist needs tow, FSP available</i>
6	Rotational Tow	3%	 <i>Motorist needs tow, FSP not available, Motorist has resources</i>
7	No Resources - CHP dispatched to scene	6%	 <i>FSP not available, motorist has no resources, CHP dispatched</i>
8	Informational	16%	 <i>Motorist asking for directions or other information</i>
9	Duplicate Event	6%	 <i>Motorist calling again for the same reason</i>
	TOTAL	100%	
<p><i>Maintenance calls comprise an estimated 15% of all calls made in the Capitol Valley SAFE region and are not included in the totals reported.</i></p> <p><i>Similarly, 'Dial tone' calls have also been removed. This report only reflects calls received by the private call answer center.</i></p> <p><i>Bike trail call box calls are answered directly by the local law enforcement agencies.</i></p>			

CVRS Bike Trail Call Boxes



American River Parkway



Sacramento River Bike Trail

Maintenance calls comprise an estimated 15% of all calls made in the Capitol Valley SAFE region and are not included in the totals reported.

Bike Trail	Number of Call boxes	Number of Calls to Dispatch	Average Calls / box / month
SA-NBT	5	877	14.6
SA-RBT	3	455	12.6
YL-COD	3	98	2.7
SA-ARP	37	1,198	2.7
YB-COM	5	93	1.6
SU-COY	6	64	0.9
SA-CWS	2	21	0.9
Total	57	2,806	4.0

The contents of this report reflect the views of the author who is responsible for the facts and the accuracy of the data presented herein. The contents do not necessarily reflect the official views or policies of the SAFE. This report does not constitute a standard, specification, or regulation.