

ALAMEDA-CONTRA COSTA TRANSIT DISTRICT



STAFF REPORT

MEETING DATE: 1/22/2020

Staff Report No. 20-037

TO: AC Transit Board of Directors
FROM: Michael A. Hursh, General Manager
SUBJECT: Wheel Chair Ramp/Lift Maintenance

BRIEFING ITEM

RECOMMENDED ACTION(S):

Consider receiving a report on wheel chair ramp/lift maintenance, operator pre-checks and how lift issues are managed including an analysis of the September 2019 road calls. [Requested by Director Shaw - 10/9/19]

STRATEGIC IMPORTANCE:

Goal - Safe and Secure Operations
Initiative - Service Quality

This briefing item provides road call performance and Operator pre-check data that will be used to enhance the District's ability to deliver safe, reliable, and sustainable service.

BUDGETARY/FISCAL IMPACT:

There is no specific fiscal impact for this briefing item.

BACKGROUND/RATIONALE:

As requested by the Board, staff is presenting this briefing item on the wheelchair deployment analysis used to monitor pre-checks and improve road call failures. The District experienced seven (7) wheelchair ramp/lift related road calls between report date August 31, 2019 to September 30, 2019. Analysis found that four (4) of the road calls resulted in items lodged in the ramp drawer preventing operation, two (2) road calls had defective kneeler switches, and one (1) road call required a mechanical adjustment to the proxy sensor.

The following table details the road call incidents that includes time stamps on the division departure, road call, and wheelchair ramp/lift deployments to indicate if a pre-trip deployment was made. Based on the data, one (1) failure may have been preventable through Operator pre-check depending on when the item was dropped and lodged in the ramp.

Ramp/Lift Incident Details

Date	Bus No.	Bus Pullout	Road Call	Ramp/Lift Deployed	Route ID	Reported Problem	Corrective Action
8/31	1330	05:52	13:27	05:50	51A	Ramp does not close	Cleaned debris and replaced sensor
				08:14			
8/31	1069	07:20	12:57	13:38	72R	Ramp stuck	Debris on the ramp preventing the ramp from fully closing
				13:48			
9/7	1511	06:28	09:05	06:26	14	Ramp stuck	Removed eye glasses from track
				07:27			
				20:33			
				20:52			
9/11	1437	09:05	16:30	10:06	14	Kneeler stuck	Fault in Kneel switch
				10:10			
				10:37			
				12:47			
				12:57			
				18:57			
9/17	1585	07:09	10:50	10:29	18	Bad Proximity switch	Adjusted front door sensor
				10:37			
				11:43			
9/21	1332	05:49	09:05	09:17	51A	Drawer will not close	Cleaned debris
				09:59			
9/28	1455	17:36	20:33	17:42	45	Kneeler not working	Fault in Kneel switch
				20:38			

The table above is an example of a new Lift Analysis Report being developed that will provide pertinent information to identify root causes of road calls and possible preventable measures to enhance performance and reliability of the equipment. Division staff will use this report to validate if a proper pre-trip inspection was performed by the Operator. Division staff will also complete regular "gate" checks along with Road Supervision to verify that each Operator has deployed the ramp/lift during their normal bus pre-trip inspection.

ADVANTAGES/DISADVANTAGES:

There are no advantages or disadvantages associated with this report. It is intended to provide an update on strategic activities.

ALTERNATIVES ANALYSIS:

This report does not recommend an action; therefore, no alternatives analysis is presented.

PRIOR RELEVANT BOARD ACTION/POLICIES:

None

ATTACHMENTS:

None

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