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**From:** Paine, Carli  
**Sent:** Thursday, April 04, 2019 8:23 PM  
**To:** Amanda Leahy  
**Subject:** FW: Balboa Reservoir - Transit Travel Times  
**Attachments:** 29.xlsx

Hi—Something about this was too big to send in one email. So, this is #1 of 2 emails.

**Carli Paine**

Manager, Land Use Development and Transportation Integration  
Sustainable Streets Division



Office 415.646.2502  
Mobile 415.837.3793

San Francisco Municipal Transportation Agency  
1 South Van Ness Avenue, 7th floor  
San Francisco, CA 94103



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**From:** Paine, Carli  
**Sent:** Thursday, April 4, 2019 4:00 PM  
**To:** Amanda Leahy <aleahy@kittelson.com>  
**Cc:** Keck, Kevin <Kevin.Keck@sfmta.com>  
**Subject:** FW: Balboa Reservoir - Transit Travel Times

Hi Amanda,  
See below for explanation, and attached. Feel free to reach out to Kevin directly to discuss.

Many thanks, Kevin!  
Carli

**Carli Paine**

Manager, Land Use Development and Transportation Integration  
Sustainable Streets Division



Office 415.646.2502  
Mobile 415.837.3793

San Francisco Municipal Transportation Agency  
1 South Van Ness Avenue, 7th floor

San Francisco, CA 94103



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**From:** Keck, Kevin  
**Sent:** Thursday, April 4, 2019 3:58 PM  
**To:** Paine, Carli <[Carli.Paine@sfmta.com](mailto:Carli.Paine@sfmta.com)>  
**Subject:** RE: Balboa Reservoir - Transit Travel Times

Hi Carli,

This weekday travel time data for the 29 and 43 is from our old APC system. In an effort to obtain the greatest number of samples, I have used the entire Fall schedule dataset which ran from September '18 thru Feb. '19.

For consistency with our newer APC system, I have used the arrival to arrival time and not excluded any intermediate bus stop dwells or signal delays. Getting similar data for the 49 from our new APC system will be more difficult and time-consuming.

Because we do not have APCs on our Bredas, data for the K is only available from the Nextbus AVL at the time-point to time-point level (+/- six-ten block intervals).

This data is also much coarser because of the lower polling rate associated with the cell phone system that transmits AVL data.

I plotted all of the data across our service day.

I would be happy to speak with Amanda about this data if she has questions.

Kevin

Kevin Keck, AICP  
Senior Transit Planner  
Muni Operations



Office 415.646.4125  
[kevin.keck@sfmta.com](mailto:kevin.keck@sfmta.com)

San Francisco Municipal Transportation Agency  
1455 Market St. Suite C RM 713-7014  
San Francisco, CA 94103



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**From:** Paine, Carli  
**Sent:** Thursday, April 04, 2019 2:49 PM  
**To:** Keck, Kevin <[Kevin.Keck@sfmta.com](mailto:Kevin.Keck@sfmta.com)>  
**Subject:** FW: Balboa Reservoir - Transit Travel Times

Hi Kevin—

When do you think you will have this information ready? I want to let Amanda know.

Thanks,

Carli

**Carli Paine**

Manager, Land Use Development and Transportation Integration  
Sustainable Streets Division



Office 415.646.2502  
Mobile 415.837.3793

San Francisco Municipal Transportation Agency  
1 South Van Ness Avenue, 7th floor  
San Francisco, CA 94103



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**From:** Amanda Leahy <[aleahy@kittelson.com](mailto:aleahy@kittelson.com)>  
**Sent:** Thursday, April 4, 2019 2:07 PM  
**To:** Paine, Carli <[Carli.Paine@sfmta.com](mailto:Carli.Paine@sfmta.com)>  
**Subject:** RE: Balboa Reservoir - Transit Travel Times

EXT

Hi, Carli – Have you had any luck with this request?

Thanks!  
Amanda

Amanda Leahy, AICP | Senior Planner | [Kittelson & Associates, Inc.](#)  
*Pronouns: she/her/hers*  
510.433.8058 (direct) | 415.798.1500 (cell)

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**From:** Amanda Leahy  
**Sent:** Tuesday, March 19, 2019 4:06 PM  
**To:** 'Paine, Carli' <[Carli.Paine@sfmta.com](mailto:Carli.Paine@sfmta.com)>  
**Subject:** RE: Balboa Reservoir - Transit Travel Times

Good question! Within the last year or two would be best.

Amanda Leahy, AICP | Senior Planner | [Kittelson & Associates, Inc.](#)  
*Pronouns: she/her/hers*  
510.433.8058 (direct) | 415.798.1500 (cell)

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**From:** Paine, Carli <[Carli.Paine@sfmta.com](mailto:Carli.Paine@sfmta.com)>  
**Sent:** Tuesday, March 19, 2019 3:57 PM  
**To:** Amanda Leahy <[aleahy@kittelson.com](mailto:aleahy@kittelson.com)>  
**Subject:** RE: Balboa Reservoir - Transit Travel Times

Can you describe the bounds of historic?

**Carli Paine**  
Manager, Land Use Development and Transportation Integration  
Sustainable Streets Division



Office 415.646.2502  
Mobile 415.837.3793

San Francisco Municipal Transportation Agency  
1 South Van Ness Avenue, 7th floor  
San Francisco, CA 94103



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**From:** Amanda Leahy <[aleahy@kittelson.com](mailto:aleahy@kittelson.com)>  
**Sent:** Tuesday, March 19, 2019 3:55 PM  
**To:** Paine, Carli <[Carli.Paine@sfmta.com](mailto:Carli.Paine@sfmta.com)>  
**Subject:** Balboa Reservoir - Transit Travel Times

EXT

Hi, Carli –

We are looking for historic transit travel times for the following routes and segments.

- K – Ocean Avenue between Balboa Park Station and Dorado Terrace/Jules Ave
- 29 – Ocean Avenue between Plymouth Avenue and Mission Street
- 49 – Ocean Avenue between City College Terminal and Mission Street
- 43 – Frida Kahlo Way between City College Terminal and Monterey (via Genesee and Foerster)

We are most interested in the weekday a.m. (7-10 a.m.) and p.m. (4-7 p.m.) peak periods but it would also be helpful to get a sense of the variation by time of day, including off-peak.

Thank you for looking into this!  
Amanda

Amanda Leahy, AICP | Senior Planner | [Kittelson & Associates, Inc.](#)  
*Pronouns: she/her/hers*  
155 Grand Avenue, Suite 900 | Oakland, California 94612  
510.839.1742 (main) | 510.433.8058 (direct) | 415.798.1500 (cell)

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