# Attachment D Analysis of Travel Demand During COVID-19

A detailed analysis of Location Based Services (cell phone location) data was conducted to understand the changes to overall travel with LA County as a result of the pandemic. Analyzing overall travel patterns helps to understand if transit ridership is tracking similarly or not, and if so, where and when are the next emerging markets expected?

Appendix A presents the weekly changes in visits per resident, person miles traveled (PMT), and PMT per visit regionwide, within each service council area, and along key transit corridors compared to Jan 12-18, 2020. Appendix B shows the changes during the AM Peak and Midday time periods for the three geographic levels.

## Regionwide

- Visits/Resident shows a staggered recovery after an initial drop of 21% in mid-April 2020, travel recovered by about 11% heading into June, 2020 and remained at that level until the end of July, 2020. In August 2020, LA County saw peak case loads for COVID-19, which caused another decline in overall travel before recovering to mid-June levels by the end of September 2020.
- PMT changes followed a similar trend after a 35% drop in mid-April 2020 compared to January 2020, PMT increased to 12% below January levels in mid-June, signifying 23% recovery. A slight increase was witnessed at the end of August 2020, but then dropped down to June 2020 levels by September 2020.
- PMT per Visit shows that residents made significantly shorter trips in the early weeks of the pandemic – in mid-April 2020, the PMT per visit was about 18% lower than January 2020 levels. As of late September 2020, the trip lengths returned to near January levels (2% lower than Jan), indicating a widening of travel sheds (longer trips were returning).
- Visits/Residents by time of day have changed significantly, with more travel in midday period as compared to AM peaks. While AM peak saw a 47% drop in mid-April 2020, travel in the midday dropped only about 14%. Between June and August 2020, the midday travel was higher than January 2020 levels, while AM Peak stayed around 40% lower. This indicates a change in the travel curve, with AM commute patterns replaced with trips staggered in the off-peak periods. As of September 2020, the curve seems to be reshaping again, with slight increases in AM peak and drops in midday, but midday travel still dominates as PMT recovery in Midday is larger than PMT recovery in AM Peak.

## Service Council Areas

- Metro's jurisdiction is divided into 5 Service Council Areas:
  - GWC Gateway Cities
  - o SBC South Bay Cities
  - SFV San Fernando Valley
  - o SGV San Gabriel Valley
  - WSC Westside/Central
- Recovery in Visits/Residents varies significantly by service council area SGV saw the largest % decrease in mid-April 2020 (-27%), followed by WSC (-25%). GWC had the lowest drop amongst service councils (-17%). WSC has been the slowest to recover (gained 11% since lowest point) while SGV was the fastest to recover (gained 14% since lowest point). WSC travel by residents is the lowest compared to January 2020 levels.
- PMT shows a slightly different trend. While SFV, SBC, WSC, and SGV all declined around 37% in mid-April 2020, WSC and SGV showed the largest gains by mid-September 2020 (24% recovery from lows in mid-April). Overall, by mid-September 2020, SFV was 17% lower than January levels, while WSC is reduced by 12%. This could be partially explained by the reduction in commute trips from SFV, many of which work in the WSC area. GWC is the closest to January 2020 levels as their decline in mid-April 2020 was less pronounced than other areas.
- For PMT per visit, residents of SFV and SBC reduced their trip lengths more than
  residents of other regions about 18% shorter trips as compared to January
  2020 levels. Reduction in the travel sheds was the least for GWC. Trip lengths
  for WSC and GWC residents is similar or slightly greater than January 2020
  levels, indicating that residents have expanded their travel sheds. SFV and SBC
  are still 4-5% lower than January 2020 levels.
- For Visits/Resident by time of day, SGV, WSC, and SFV had the largest decreases during the AM peak period (over 50%) in mid-April 2020. Midday travel in GWC saw the lowest drop (-7%), while WSC had a 21% decline. SGV had the largest recovery for both time periods (14% AM Peak and 11% Midday from lows in mid-April 2020), SFV had the slowest recovery. SBC and GWC are closest to mid-January 2020 levels for travel during the midday. In terms of PMT in AM peak period, SFV and WSC had the largest drops in mid-April, while SGV and SBC had the largest drops in midday period.

## **Key Transit Corridors**

• Out of four corridors showing more than 25% decline in visits/residents, three are situated in WSC. Residents in the Alvarado BL (which covers parts of USC)

showed the largest drop (-33%) in mid-April 2020, followed by Ventura BI and Santa Monica BL which dropped around 27% from the January 2020 levels. Avalon/Central Watts to Carson corridor witnessed the lowest drop (– 11%) from January. In September 2020, this corridor shows travel closest to January levels, while the corridors most reduced from January levels of travel are the Silver Line (EI Monte – Downtown LA), Ventura BL, and Santa Monica BL.

- For PMT, Santa Monica BL and Ventura BL had the largest decreases in mid-April 2020 (down over 40%), while Avalon/Central Watts, Slauson Av, and Florence Av reduced to only around 15% of pre-pandemic levels. Recovery rates vary widely – travel by residents along Santa Monica BL and Ventura BL are still 22% below January 2020 levels, while several corridors in SGV (Line 18, Lines 68/770) and GWC (Slauson Av, Florence Av, Long Beach Av) are near or slightly higher.
- For PMT per visit, Santa Monica BL, Ventura BL and Silver Line (El Monte –
  Downtown LA) corridor showed the largest drops, while residents in GWC
  corridors (Slauson Av, Florence Av, Long Beach Av), Alvarado BL, and Van Nuys
  BL showed the least constriction in travel shed sizes (< 10% drops from January
  2020 levels). Almost all corridors (except Ventura BL and Santa Monica BL) are
  at or above January levels.</li>
- For Visits/Resident by time periods, WSC and SFV corridors witnessed the largest drops in mid-April 2020 for both AM peak and midday periods. Midday travel along Alvarado BL saw the biggest jump (over 23%) from mid-April to mid-September 2020, though it is still 15% lower than January 2020 levels. Wilshire BL, Avalon/Central Watts, Florence Av, Long Beach Av are all near or above January levels by mid-September 2020.

Appendix A

% Change in Visits/Resident by Corridor (Reference Week = Jan 12 - Jan 18)

Service		JAN 12 -	APR 19 -	APR 26 -	MAY 03 -	MAY 10 -	MAY 17 -	JUN 07 -	JUN 14 -	JUN 21 -	JUN 28 -	JUL 05 -	JUL 12 -	JUL 19 -	JUL 26 -	AUG 02 -	AUG 09 -	AUG 16 -	AUG 23 -	SEP 06 -	SEP 20 -
Council	Home Location	JAN 18	APR 25	MAY 02	MAY 09	MAY 16	MAY 23	JUN 13	JUN 20	JUN 27	JUL 04	JUL 11	JUL 18	JUL 25	AUG 01	AUG 08	AUG 15	AUG 22	AUG 29	SEP 12	SEP 26
	Van Nuys Bl only between Foothill and Ventura		-17%	-13%	-13%	-13%	-10%	-7%	-3%	-3%	-7%	-3%	-7%	-7%	-10%	-10%	-7%	-7%	-3%	-7%	-7%
SFV	Ventura BI between Universal City Station and Topanga Canyon		-28%	-24%	-21%	-21%	-21%	-14%	-10%	-10%	-14%	-14%	-14%	-14%	-17%	-17%	-17%	-14%	-10%	-17%	-14%
	Entire Service Council (SFV)		-23%	-20%	-20%	-20%	-17%	-10%	-10%	-10%	-10%	-10%	-10%	-10%	-17%	-17%	-17%	-13%	-10%	-17%	-13%
	Rosecrans Av 2		-20%	-17%	-17%	-17%	-13%	-10%	-10%	-10%	-10%	-7%	-10%	-10%	-13%	-13%	-13%	-10%	-10%	-13%	-10%
SBC	Avalon/Central Watts to Carson		-11%	-7%	-11%	-7%	-4%	0%	-4%	-4%	-4%	-4%	-4%	-4%	-7%	-7%	-7%	-4%	-4%	-7%	-4%
	Entire Service Council (SBC)		-21%	-17%	-17%	-17%	-14%	-7%	-10%	-10%	-10%	-10%	-10%	-10%	-14%	-14%	-14%	-10%	-7%	-14%	-10%
	Santa Monica BL from Sunset BL to City of Santa Monica		-27%	-27%	-27%	-23%	-23%	-15%	-15%	-15%	-15%	-12%	-15%	-15%	-19%	-19%	-15%	-12%	-12%	-15%	-12%
	Wilshire BL from 110 fwy to Wilshire/ Santa Monica BL		-25%	-21%	-21%	-18%	-18%	-14%	-11%	-14%	-14%	-11%	-11%	-11%	-14%	-14%	-14%	-14%	-11%	-11%	-7%
WSC	3rd St from La Cienega BL to 110 fwy		-22%	-19%	-19%	-19%	-15%	-11%	-7%	-11%	-11%	-7%	-7%	-7%	-15%	-15%	-15%	-11%	-7%	-11%	-7%
	Alvarado BL from Logan/Montana to Exposition/Flower		-33%	-30%	-30%	-26%	-26%	-19%	-19%	-19%	-19%	-15%	-15%	-15%	-19%	-19%	-19%	-15%	-11%	-15%	-7%
	Entire Service Council (WSC)		-25%	-21%	-21%	-21%	-18%	-14%	-11%	-14%	-14%	-14%	-14%	-14%	-18%	-18%	-18%	-14%	-11%	-18%	-14%
	10-Fwy Corridor Between El Monte Station to Alameda/Busway (Silver Line & 487/489)		-24%	-24%	-21%	-21%	-17%	-17%	-14%	-14%	-14%	-14%	-14%	-14%	-17%	-17%	-17%	-17%	-14%	-17%	-14%
	Line 18 (Whittier Corridor between atlantic & Soto)		-17%	-14%	-14%	-14%	-14%	-7%	-3%	-7%	-7%	-7%	-3%	-7%	-14%	-10%	-10%	-10%	-3%	-10%	-7%
SGV	Lines 68/770 (Cesar Chavez btw Atlantic & Soto) & Line 70 (Garvey btw Santa Anita & Atlantic	c <u>)</u>	-18%	-14%	-14%	-14%	-11%	-7%	-7%	-7%	-7%	-7%	-7%	-7%	-11%	-11%	-11%	-11%	-7%	-11%	-7%
	Lines 260/762 (Atlantic Corridor Between Huntington Dr. & Imperial)		-21%	-21%	-17%	-17%	-17%	-10%	-10%	-10%	-10%	-10%	-14%	-14%	-17%	-14%	-17%	-10%	-10%	-14%	-10%
	Entire Service Council (SGV)		-27%	-23%	-20%	-20%	-20%	-13%	-13%	-13%	-13%	-13%	-17%	-17%	-20%	-20%	-20%	-17%	-13%	-20%	-13%
	Slauson Av Corridor Between I-110 Fwy to Rosemead Bl		-14%	-11%	-11%	-7%	-7%	-7%	-7%	-7%	-7%	-7%	-11%	-7%	-11%	-11%	-11%	-11%	-7%	-11%	-7%
GWC	Florence Av Corridor Between I-110 Fwy to Norwalk Station		-14%	-14%	-10%	-10%	-10%	-7%	-3%	-3%	-7%	-7%	-7%	-7%	-10%	-10%	-7%	-7%	-3%	-7%	-3%
GWC	Long Beach Av Corridor btwn Slauson Av to Artesia A-Line (Blue) Station		-17%	-14%	-14%	-10%	-10%	-7%	-7%	-7%	-7%	-7%	-7%	-7%	-7%	-7%	-10%	-10%	-7%	-10%	-7%
	Entire Service Council (GWC)		-17%	-14%	-14%	-14%	-10%	-7%	-7%	<b>-7</b> %	-7%	-7%	-10%	-10%	-14%	-14%	-14%	-10%	-7%	-10%	-7%
All SC	All Service Councils		-21%	-21%	-17%	-17%	-17%	-10%	-10%	-10%	-10%	-10%	-10%	-10%	-17%	-14%	-14%	-14%	-10%	-14%	-10%

### % Change in Daily PMT by Corridor (Reference Week = Jan 12 - Jan 18)

Service		JAN 12 -	APR 19 -	APR 26 -	MAY 03 -	MAY 10 -	MAY 17 -	JUN 07 -	JUN 14 -	JUN 21 -	JUN 28 -	JUL 05 -	JUL 12 -	JUL 19 -	JUL 26 -	AUG 02 -	AUG 09 -	AUG 16 -	AUG 23 -	SEP 06 -	SEP 20 -
Council	Home Location JA	JAN 18	APR 25	MAY 02	MAY 09	MAY 16	MAY 23	JUN 13	JUN 20	JUN 27	JUL 04	JUL 11	JUL 18	JUL 25	AUG 01	AUG 08	AUG 15	AUG 22	AUG 29	SEP 12	SEP 26
	Van Nuys Bl only between Foothill and Ventura		-24%	-21%	-18%	-16%	-15%	-1%	-1%	5 0%	6 -3%	-2%	0%	0%	6 -7%	-7%	-3%	· -2%	6 2%	-4%	-3%
SFV	Ventura BI between Universal City Station and Topanga Canyon		-44%	-40%	-34%	-34%	-31%	-16%	-14%	-14%	-18%	-14%	-13%	-14%	-22%	-23%	-23%	-19%	6 -9%	-24%	-21%
	Entire Service Council (SFV)		-37%	-34%	-31%	-29%	-26%	-13%	-12%	-12%	-13%	-13%	-13%	-12%	-20%	-21%	-19%	-17%	-10%	<b>-21</b> %	-17%
	Rosecrans Av 2		-32%	-28%	-27%	-26%	-21%	-14%	-11%	-12%	6 -14%	-8%	-11%	-13%	-14%	-14%	-14%	-12%	6 -10%	6 -12%	-9%
SBC	Avalon/Central Watts to Carson		-21%	-15%	-16%	-15%	-7%	0%	-1%	-1%	6 -4%	-1%	-1%	-1%	-8%	-11%	-8%	-3%	6 6%	6 -6%	3%
	Entire Service Council (SBC)		-36%	-32%	-30%	-29%	-25%	-15%	-14%	-16%	-16%	-15%	-16%	-15%	-21%	-23%	-21%	-17%	6 -12%	-20%	-15%
	Santa Monica BL from Sunset BL to City of Santa Monica		-49%	-42%	-41%	-41%	-37%	-22%	-22%	-22%	6 -19%	-19%	-24%	-22%	-26%	-28%	-22%	-19%	6 -15%	6 -24%	-22%
	Wilshire BL from 110 fwy to Wilshire/ Santa Monica BL		-34%	-30%	-27%	-26%	-21%	-12%	-12%	-13%	6 -13%	-13%	-9%	-9%	-15%	-16%	-14%	-11%	6 -4%	6 -10%	-6%
	3rd St from La Cienega BL to 110 fwy		-36%	-29%	-25%	-27%	-23%	-13%	-10%	-12%	6 -12%	-11%	-10%	-6%	-17%	-20%	-15%	-14%	6 -7%	6 -13%	-6%
	Alvarado BL from Logan/Montana to Exposition/Flower		-37%	-30%	-29%	-21%	-16%	-9%	-1%	5 -2%	6 -4%	-3%	-5%	-5%	-11%	-6%	-6%	4%	6 10%	6 1%	7%
	Entire Service Council (WSC)		-36%	-33%	-29%	-28%	-24%	-13%	-12%	-13%	-13%	-12%	-13%	-13%	-18%	-20%	-18%	-14%	6 -7%	-18%	-12%
	10-Fwy Corridor Between El Monte Station to Alameda/Busway (Silver Line & 487/489)		-39%	-34%	-31%	-29%	-25%	-19%	-15%	-16%	6 -16%	-14%	-16%	-16%	-20%	-21%	-20%	-15%	6 -11%	-16%	-11%
	Line 18 (Whittier Corridor between atlantic & Soto)		-21%	-21%	-14%	-12%	-12%	-3%	-1%	-7%	6 -8%	-3%	-3%	-3%	-10%	-11%	-7%	· -7%	6 7%	6 -8%	3%
SGV	Lines 68/770 (Cesar Chavez btw Atlantic & Soto) & Line 70 (Garvey btw Santa Anita & Atlantic	c <u>)</u>	-27%	-22%	-18%	-17%	-13%		-4%					-5%			-9%				2%
	Lines 260/762 (Atlantic Corridor Between Huntington Dr. & Imperial)		-34%	-29%	-24%	-22%	-21%	-11%	-6%	-8%	6 -10%	-9%	-10%	-13%	-18%	-16%	-18%		6 -4%	6 -14%	-5%
	Entire Service Council (SGV)		-37%	-34%	-30%	-29%	-26%	-16%	-14%	-16%	-18%	-17%	-17%	-17%	-22%	-23%	-22%	-19%	-13%	-23%	-14%
	Slauson Av Corridor Between I-110 Fwy to Rosemead Bl		-22%	-17%	-16%	-12%	-10%	-6%	-7%	-10%	6 -9%	-7%	-7%	-7%	-10%	-11%	-11%	-8%	6 -1%		-2%
GWC	Florence Av Corridor Between I-110 Fwy to Norwalk Station		-21%	-15%	-13%	-10%	-8%		1%	5 1%		2%	-1%	1%	-4%	-4%	-3%				8%
	Long Beach Av Corridor btwn Slauson Av to Artesia A-Line (Blue) Station		-24%	-22%	-19%	-14%	-9%	-6%	-3%	-3%	6 -3%	-4%	-6%	-4%	6 -6%	-8%	-8%	5 -7%	6 -1%	6 -9%	-2%
	Entire Service Council (GWC)		-28%	-23%	-21%	-20%	-15%	-8%	-6%	-8%	-10%	-8%	-9%	-9%	-14%	-15%	-13%	-10%	6 -3%	-13%	-6%
All SC	All Service Councils		-35%	-31%	-28%	-27%	-23%	-13%	-11%	-12%	6 -14%	-12%	-13%	-13%	-19%	-21%	-18%	-15%	6 -9%	6 -18%	-12%

### % Change in PMT per visit by Corridor (Reference Week = Jan 12 - Jan 18)

Service	Hans Laukin	JAN 12 -	APR 19 -	APR 26 -	MAY 03 -	MAY 10 -	MAY 17 -	JUN 07 -	JUN 14 -	JUN 21 -	JUN 28 -	JUL 05 -	JUL 12 -	JUL 19 -	JUL 26 -	AUG 02 -	AUG 09 -	AUG 16 -	AUG 23 -	SEP 06 -	SEP 20 -
Council	Home Location	JAN 18	APR 25	MAY 02	MAY 09	MAY 16	MAY 23	JUN 13	JUN 20	JUN 27	JUL 04	JUL 11	JUL 18	JUL 25	AUG 01	AUG 08	AUG 15	AUG 22	AUG 29	SEP 12	SEP 26
	Van Nuys Bl only between Foothill and Ventura		-8%	-9%	-6%	-4%	-6%	6%	3%	3%	ú 4%	19	6 7%	79	6 39	6 3%	4%	5 59	6 5%	3%	4%
SFV	Ventura BI between Universal City Station and Topanga Canyon		-22%	-21%	-17%	-17%	-13%	-3%	-4%	-5%	ú -5%	0%	6 1%	-1%	6 -6%	6 -6%	-6%	69 -69	6 2%	-8%	-9%
	Entire Service Council (SFV)		-18%	-17%	-13%	-11%	-12%	-4%	-2%	-2%	<b>-3</b> %	-3%	6 - <b>3</b> %	-3%	6 -4%	6 -5%	-3%	-49	6 0%	-5%	-4%
	Rosecrans Av 2		-15%	-14%	-12%	-11%	-9%	-4%	-1%	-2%	-4%	-2%	6 -1%	-3%	6 -19	6 -1%	-1%	· -29	6 0%	5 1%	1%
SBC	Avalon/Central Watts to Carson		-12%	-9%	-6%	-9%	-4%	0%	3%	3%	-1%	3%	6 2%	29	6 -19	6 -4%	-1%	5 19	6 10%	2%	7%
	Entire Service Council (SBC)		-19%	-18%	-15%	-14%	-13%	-9%	-4%	-6%	-6%	-5%	6 -6%	-6%	6 -9%	6 -11%	-9%	<b>-7</b> 9	<b>√</b> -5%	-8%	-5%
	Santa Monica BL from Sunset BL to City of Santa Monica		-30%	-21%	-20%	-24%	-18%	-7%	-7%	-7%	-4%	-8%	6 -10%	-7%	6 -9%	6 -11%	-7%	· -89	<del>6</del> -4%	-10%	-11%
	Wilshire BL from 110 fwy to Wilshire/ Santa Monica BL		-12%	-11%	-7%	-10%	-3%	3%	-1%	19	6 2%	-2%	6 2%	29	6 -19	6 -2%	0%	49	6 7%	1%	1%
WSC	3rd St from La Cienega BL to 110 fwy		-18%	-13%	-8%	-10%	-9%	-2%	-3%	-1%	<b>-1</b> %	-4%	6 -3%	19	6 -3%	6 -6%	-1%	-39	6 0%	-2%	1%
	Alvarado BL from Logan/Montana to Exposition/Flower		-6%	0%	1%	6%	13%	12%	21%	20%	18%	14%	6 11%	119	6 10%	6 15%	15%	229	6 23%	19%	16%
	Entire Service Council (WSC)		-15%	-14%	-10%	-8%	-8%	1%	-1%	2%	<b>2</b> %	3%	6 2%	2%	6 -1%	6 -3%	0%	<b>0</b> 9	6 4%	6 0%	3%
	10-Fwy Corridor Between El Monte Station to Alameda/Busway (Silver Line & 487/489)		-20%	-13%	-13%	-10%	-9%	-2%	-1%	-2%	ú -2%	-19	6 -3%	-3%	6 -3%	6 -5%	-3%	39	6 4%	5 1%	4%
	Line 18 (Whittier Corridor between atlantic & Soto)		-5%	-8%	0%	2%	2%	4%	2%	0%	-1%	49	6 1%	49	6 49	6 -1%	4%	39	6 11%	3%	11%
SGV	Lines 68/770 (Cesar Chavez btw Atlantic & Soto) & Line 70 (Garvey btw Santa Anita & Atlantic	c)	-11%	-9%	-4%	-3%	-3%	2%	4%	3%	6 -1%	3%	6 1%	3%	6 39	6 1%	2%	69	% <b>7</b> %	3%	9%
	Lines 260/762 (Atlantic Corridor Between Huntington Dr. & Imperial)		-17%	-10%	-8%	-6%	-5%	-1%	5%	3%	6 0%	2%	6 4%	2%	6 09	6 -3%	0%	5 19	6 7%	6 0%	6%
	Entire Service Council (SGV)		-15%	-14%	-13%	-11%	-7%	-3%	-1%	-3%	-5%	-4%	6 0%	0%	6 -3%	6 -4%	-2%	<b>-2</b> 9	6 1%	-4%	-1%
	Slauson Av Corridor Between I-110 Fwy to Rosemead Bl		-9%	-7%	-6%	-5%	-4%	1%	0%	-3%	· -2%	0%	6 4%	0%	6 09	6 -1%	-1%	39	6 7%	3%	5%
GWC.	Florence Av Corridor Between I-110 Fwy to Norwalk Station		-8%	-1%	-3%	0%	3%	7%	5%	5%	6%	10%	6 6%	8%	6 79	6 7%	4%	119	6 14%	5%	12%
GWC	Long Beach Av Corridor btwn Slauson Av to Artesia A-Line (Blue) Station		-8%	-9%	-7%	-4%	1%	0%	4%	49	4%	3%	6 0%	49	6 19	6 -1%	3%	49	6 7%	5 1%	5%
	Entire Service Council (GWC)		-13%	-11%	-9%	-7%	-5%	-1%	1%	-1%	-3%	-1%	6 2%	2%	6 0%	6 -2%	1%	19	6 4%	-3%	1%
All SC	All Service Councils		-18%	-13%	-13%	-11%	-7%	-3%	-1%	-2%	<b>-4</b> %	-2%	6 - <b>3</b> %	-3%	6 - <b>2</b> 9	6 -8%	-5%	-19	6 2%	-5%	-2%

Appendix B

% Change in Daily PMT by Corridor and Time of Day (Reference Week = Jan 12 - Jan 18)

Service		_	JAN 12 -	APR 19 - A	PR 26 - N	/IAY 03 - N	1AY 10 - M	AY 17 - JL	JN 07	JUN 14 - JU	JN 21 - JU	N 28 - JU	JL 05 - J	IUL 12 - JU	IL 19 - J	UL 26 - 7	AUG 02 -	AUG 09 - A	UG 16 - <i>F</i>	AUG 23 - S	SEP 06 - 3	SEP 20 -
Council	Home Location	Time of Day	JAN 18	APR 25 N	//AY 02 N	/AY 09 N	1AY 16 M	AY 23 JL	JN 13 .	JUN 20 JU	JN 27 JU	L 04 JU	JL 11 J	IUL 18 JU	IL 25 A	AUG 01	AUG 08	AUG 15 A	UG 22 A	AUG 29	SEP 12	SEP 26
	Van Nuys Bl only between Foothill and Ventura	AM Peak (6 AM - 9 AM)		-3%	-4%	1%	-5%	-6%	-2%	3%	5%	3%	-3%	7%	2%	5%	3%	3%	5%	7%	5%	10%
	, ,	Midday (9 AM - 2 PM)		-2%	-1%	1%	-1%	5%	17%	15%	17%	18%	19%	22%	16%	10%	7%	17%	15%	15%	17%	10%
	Ventura BI between Universal City Station and Topanga Canyon	AM Peak (6 AM - 9 AM)		-27%	-31%	-23%	-19%	-17%	-21%	-10%	-15%	-13%	-12%	-11%	-8%	-15%	-12%	-14%	-11%	-10%	-17%	-16%
SFV	, , ,	Midday (9 AM - 2 PM)		-14%	-9%	-7%	-4%	-4%	11%	21%	9%	10%	10%	12%	10%	7%	6%	8%	4%	11%	1%	2%
	Entire Service Council (SFV)	AM Peak (6 AM - 9 AM)		-12%	-14%	-10%	-9%	-8%	-6%	-2%	-2%	-3%	-4%	-2%	0%	-6%	-6%	-6%	-3%	-1%	-8%	-1%
	` <i>'</i>	Midday (9 AM - 2 PM)		-8%	-6%	-4%	-4%	-1%	11%	13%	13%	14%	11%	12%	13%	9%	7%	9%	6%	9%	6%	5%
	Rosecrans Av 2	AM Peak (6 AM - 9 AM)		-8%	-15%	-4%	-4%	-2%	-7%	-1%	-3%	5%	3%	3%	2%	2%	0%	-2%	1%	3%	-3%	3%
		Midday (9 AM - 2 PM)		-16%	-16%	-8%	-7%	-4%	-1%	6%	1%	7%	5%	6%	0%	0%	0%	3%	2%	-2%	8%	7%
	Avalon/Central Watts to Carson	AM Peak (6 AM - 9 AM)		-8%	-9%	-1%	-3%	1%	-2%	2%	1%	-3%	-1%	1%	-3%	-7%	-8%	-1%	-2%	4%	-8%	5%
SBC		Midday (9 AM - 2 PM)		0%	5%	1%	7%	18%	17%	23%	20%	16%	22%	22%	20%	10%	15%	17%	18%	18%	18%	23%
	Entire Service Council (SBC)	AM Peak (6 AM - 9 AM)		-11%	-13%	-8%	-7%	-5%	-7%	-2%	-3%	-5%	-3%	-6%	-1%	-6%	-7%	-6%	-5%	-5%	-7%	-2%
	· · · · · · · · · · · · · · · · · · ·	Midday (9 AM - 2 PM)		-11%	-9%	-4%	-3%	-2%	5%	11%	7%	8%	8%	7%	6%	5%	4%	7%	5%	5%	4%	6%
	Santa Monica BL from Sunset BL to City of Santa Monica	AM Peak (6 AM - 9 AM)		-34%	-29%	-16%	-27%	-27%	-9%	-9%	-16%	-9%	-7%	-14%	-7%	-12%	-15%	-13%	-13%	-12%	-9%	-11%
	Santa monica de nom sanset de to sity or santa monica	Midday (9 AM - 2 PM)		-26%	-14%	-21%	-9%	-10%	20%	22%	11%	27%	10%	-3%	2%	2%	2%	20%	7%	8%	9%	2%
	Wilshire BL from 110 fwy to Wilshire/ Santa Monica BL	AM Peak (6 AM - 9 AM)		-16%	-6%	-12%	-6%	-4%	-3%	1%	-4%	-5%	-3%	-6%	1%	-1%	-10%	-5%	-1%	-2%	-2%	-1%
	This in a Be from 110 frey to this in a, sunta monda Be	Midday (9 AM - 2 PM)		-3%	-3%	1%	4%	5%	20%	18%	11%	19%	8%	17%	8%	7%	4%	11%	12%	15%	16%	18%
	3rd St from La Cienega BL to 110 fwy	AM Peak (6 AM - 9 AM)		-24%	-14%	-8%	-5%	-7%	-6%	-1%	-6%	-8%	-9%	-3%	-3%	-6%	-7%	-14%	-9%	-5%	-7%	0%
WSC	Sta St from Ed Cichega SE to 110 twy	Midday (9 AM - 2 PM)		-6%	2%	7%	4%	5%	13%	13%	12%	19%	9%	17%	9%	6%	3%	16%	8%	7%	5%	9%
	Alvarado BL from Logan/Montana to Exposition/Flower	AM Peak (6 AM - 9 AM)	1	-1%	-10%	1%	2%	8%	8%	12%	8%	9%	8%	11%	2%	-3%	4%	7%	20%	15%	12%	7%
	Threat day be not english to the eng	Midday (9 AM - 2 PM)		-4%	9%	3%	21%	28%	23%	22%	17%	20%	16%	21%	11%	16%	15%	26%	25%	28%	19%	26%
	Entire Service Council (WSC)	AM Peak (6 AM - 9 AM)		-12%	-13%	-10%	-8%	-7%	-6%	-4%	-3%	-3%	-4%	-4%	-2%	-5%	-7%	-6%	-3%	0%	-6%	2%
	Entire Service council (1150)	Midday (9 AM - 2 PM)		-7%	-6%	-3%	-1%	0%	11%	13%	13%	15%	11%	10%	11%	7%	6%	10%	5%	11%	8%	15%
	10-Fwy Corridor Between El Monte Station to Alameda/Busway (Silver Line & 4	AM Peak (6 AM - 9 AM)	1	-8%	-7%	-6%	-3%	-1%	-1%	-1%	4%	0%	0%	-2%	3%	1%	-1%	2%	5%	6%	1%	8%
	20 TWY COTTACT Detween Et Monte Station to Allameda, Basway (Silver Eine &	Midday (9 AM - 2 PM)		-15%	-10%	-8%	-4%	-4%	1%	6%	6%	4%	6%	8%	6%	6%	3%	1%	3%	6%	7%	9%
	Line 18 (Whittier Corridor between atlantic & Soto)	AM Peak (6 AM - 9 AM)	1	4%	-13%	0%	1%	0%	-5%	-5%	-1%	4%	-5%	0%	13%	2%	0%	6%	5%	20%	3%	10%
	Ente 10 (Wintelet Corridor Detween addition & 30to)	Midday (9 AM - 2 PM)		5%	4%	9%	7%	15%	12%	11%	14%	11%	12%	19%	11%	8%	12%	14%	9%	14%	5%	22%
	Lines 68/770 (Cesar Chavez Corridor btw Atlantic & Soto) & Line 70 (Garvey Co		1	5%	3%	9%	4%	7%	7%	9%	14%	10%	8%	10%	16%	12%	11%	8%	13%	17%	8%	18%
SGV		Midday (9 AM - 2 PM)		-5%	2%	2%	3%	6%	9%	7%	12%	11%	11%	10%	13%	11%	10%	8%	7%	9%	9%	17%
	Lines 260/762 (Atlantic Corridor Between Huntington Dr. & Imperial)	AM Peak (6 AM - 9 AM)	1	-9%	-2%	-1%	-6%	-3%	1%	0%	6%	-1%	4%	-1%	5%	-4%	-5%	-4%	5%	1%	-1%	4%
	Entes 2007 702 (Attained Corridor Detween Hantington Dr. & Imperial)	Midday (9 AM - 2 PM)		-11%	-5%	2%	5%	-2%	10%	7%	13%	1%	5%	4%	3%	0%	9%	1%	4%	7%	2%	9%
	Entire Service Council (SGV)	AM Peak (6 AM - 9 AM)		-8%	-8%	-5%	-3%	-2%	0%	2%	3%	-2%	0%	-2%	1%	-2%	-2%	-3%	-1%	3%	-5%	5%
		Midday (9 AM - 2 PM)		-12%	-8%	-5%	-4%	-1%	8%	9%	8%	8%	7%	7%	9%	4%	2%	4%	3%	5%	3%	5%
	Slauson Av Corridor Between I-110 Fwy to Rosemead Bl	AM Peak (6 AM - 9 AM)	<b>†</b>	1%	7%	11%	7%	8%	5%	2%	4%	3%	-2%	3%	4%	5%	5%	2%	1%	12%	3%	10%
	SiddSoff AV Coffidor Between 110 Fwy to Nosemeda Bi	Midday (9 AM - 2 PM)		1%	0%	6%	9%	13%	13%	13%	14%	12%	13%	15%	17%	9%	8%	13%	10%	19%	16%	17%
	Florence Av Corridor Between I-110 Fwy to Norwalk Station	AM Peak (6 AM - 9 AM)	<b>-</b>	4%	-2%	5%	5%	8%	11%	11%	10%	8%	15%	18%	15%	8%	16%	8%	19%	17%	10%	22%
	Tiorence Av corruor between 1110 rwy to Norwalk Station	Midday (9 AM - 2 PM)		2%	4%	4%	9%	12%	18%	18%	17%	12%	17%	14%	17%	13%	17%	15%	19%	20%	15%	17%
GWC	Long Beach Av Corridor btwn Slauson Av to Artesia A-Line (Blue) Station	AM Peak (6 AM - 9 AM)	1	4%	0%	9%	13%	9%	8%	13%	17%	10%	12%	19%	16%	15%	13%	10%	12%	17%	7%	14%
	ESTING SECRETARY CONTINUE DEWIT STRUSSON AN TO ALTERSIA A LINE (DIGE) STRUSTON	Midday (9 AM - 2 PM)		2%	-1%	3%	4%	15%	3%	10%	7%	13%	12%	7%	15%	17%	6%	4%	4%	10%	11%	11%
	Entire Service Council (GWC)	AM Peak (6 AM - 9 AM)		-4%	-6%	0%	0%	2%	1%	2%	3%	0%	1%	2%	3%	1%	1%	0%	2%	5%	-1%	8%
	Entire Service Country (GWC)	Midday (9 AM - 2 PM)		-5%	-4%	-1%	1%	6%	10%	11%	10%	10%	11%	10%	11%	8%	7%	6%	6%	10%	7%	9%
	All Service Councils	AM Peak (6 AM - 9 AM)		-9%	-10%	-6%	-5%	-3%	-3%	0%	0%	-2%	-1%	-2%	0%	-3%	-4%	-4%	-1%	1%	-5%	3%
All SC		Midday (9 AM - 2 PM)		-9%	-6%	-3%	-3% -2%	-3% 1%	10%	12%	11%	12%	10%	10%	11%	-3% 7%	-4% 6%	8%	5%	9%	-5% 6%	8%
		ivilduay (5 Alvi - 2 FIVI)		-0/0	-0/0	-3/0	-2/0	1/0	10/0	12/0	11/0	12/0	10/0	10/0	11/0	1/0	0%	0/0	3/0	3/0	0%	670

### % Change in Visits/Resident by Corridor and Time of Day (Reference Week = Jan 12 - Jan 18)

Service			JAN 12 -	APR 19 -	APR 26 -	MAY 03 - N	MAY 10 - I	MAY 17 - J	UN 07 -	JUN 14 - J	UN 21 - J	IUN 28	IUL 05	IUL 12 - JU	JL 19 -	JUL 26 -	AUG 02	AUG 09 - A	UG 16 - A	NUG 23 - S	SEP 06 - SI	P 20 -
Council	Home Location	Time of Day	JAN 18	APR 25	MAY 02	MAY 09 N	MAY 16	MAY 23 J	UN 13	JUN 20 J	UN 27	IUL 04	IUL 11	IUL 18 JU	JL 25	AUG 01	AUG 08	AUG 15 A	UG 22 A	UG 29	SEP 12 SI	EP 26
Council	Van Nuys Bl only between Foothill and Ventura	AM Peak (6 AM - 9 AM)		-39%	-33%	-33%	-34%	-34%	-29%	-30%	-30%	-32%	-25%	-29%	-30%	-31%	-33%	-28%	-27%	-22%	-32%	-27%
	Tan nays strong sectices i social and ventura	Midday (9 AM - 2 PM)		-5%	-4%	-2%	-3%	4%	11%	11%	10%	9%	10%	3%	4%	-3%	-2%	7%	2%	5%	1%	-4%
	Ventura BI between Universal City Station and Topanga Canyon	AM Peak (6 AM - 9 AM)		-57%	-54%	-49%	-54%	-54%	-48%	-47%	-47%	-50%	-43%	-40%	-42%	-49%	-49%	-46%	-43%	-36%	-46%	-43%
SFV	Tentara Si Secrecei omiteisar etty station and Topanga earlyon	Midday (9 AM - 2 PM)		-21%	-17%	-14%	-10%	-10%	5%	7%	5%	5%	2%	1%	-1%	-8%	-9%	-4%	-2%	1%	-9%	-9%
	Entire Service Council (SFV)	AM Peak (6 AM - 9 AM)		-50%	-47%	-47%	-48%	-46%	-39%	-40%	-41%	-41%	-37%	-36%	-37%	-43%	-44%	-42%	-38%	-33%	-44%	-38%
		Midday (9 AM - 2 PM)		-14%	-12%	-10%	-11%	-6%	6%	5%	3%	6%	3%	2%	3%	-8%	-8%	-7%	-6%	-2%	-10%	-10%
	Rosecrans Av 2	AM Peak (6 AM - 9 AM)		-44%	-44%	-43%	-43%	-40%	-36%	-37%	-38%	-39%	-32%	-32%	-34%	-39%	-39%	-35%	-33%	-30%	-39%	-34%
	NOSCI UTS AV Z	Midday (9 AM - 2 PM)		-15%	-13%	-11%	-13%	-8%	1%	1%	-2%	2%	4%	-4%	-5%	-9%	-7%	-7%	-6%	-6%	-8%	-5%
	Avalon/Central Watts to Carson	AM Peak (6 AM - 9 AM)		-36%	-34%	-34%	-34%	-30%	-24%	-30%	-34%	-33%	-31%	-30%	-28%	-34%	-35%	-33%	-26%	-22%	-35%	-30%
SBC	Availably central wates to earson	Midday (9 AM - 2 PM)		4%	9%	2%	6%	14%	18%	14%	11%	14%	12%	12%	13%	4%	7%	6%	8%	10%	4%	7%
	Entire Service Council (SBC)	AM Peak (6 AM - 9 AM)		-46%	-45%	-45%	-45%	-41%	-36%	-38%	-40%	-41%	-37%	-36%	-37%	-41%	-42%	-39%	-35%	-30%	-40%	-35%
	Entire Service council (SBC)	Midday (9 AM - 2 PM)		-11%	-8%	-8%	-8%	-3%	10%	4%	2%	5%	4%	2%	2%	-5%	-5%	-4%	-1%	3%	-6%	-5%
	Santa Monica BL from Sunset BL to City of Santa Monica	AM Peak (6 AM - 9 AM)		-54%	-55%	-55%	-53%	-53%	-42%	-46%	-46%	-45%	-39%	-39%	-42%	-45%	-51%	-44%	-39%	-33%	-45%	-39%
	Santa Monica De Ironi Sunset De to City of Santa Monica	Midday (9 AM - 2 PM)		-28%	-26%	-25%	-20%	-22%	-8%	-6%	-8%	-5%	-5%	-9%	-9%	-16%	-17%	-10%	-6%	-9%	-9%	-10%
	Wilshire BL from 110 fwy to Wilshire/ Santa Monica BL	AM Peak (6 AM - 9 AM)		-50%	-48%	-48%	-45%	-44%	-38%	-36%	-45%	-41%	-36%	-33%	-36%	-42%	-43%	-42%	-39%	-34%	-37%	-31%
	Wilstille BE Hoth 110 twy to Wilstille, Salita Monica BE	Midday (9 AM - 2 PM)		-18%	-17%	-16%	-11%	-8%	-3%	-1%	-7%	-6%	-1%	-2%	-3%	-10%	-11%	-9%	-9%	-6%	-6%	-4%
	3rd St from La Cienega BL to 110 fwy	AM Peak (6 AM - 9 AM)		-49%	-46%	-45%	-46%	-39%	-35%	-35%	-41%	-39%	-32%	-35%	-32%	-41%	-41%	-41%	-34%	-30%	-37%	-30%
WSC	Std St from La Cleffega BL to 110 fwy	Midday (9 AM - 2 PM)		-15%	-11%	-9%	-11%	-7%	0%	5%	-3%	0%	1%	1%	0%	-11%	-11%	-9%	-6%	-1%	-5%	-4%
	Alvarado BL from Logan/Montana to Exposition/Flower	AM Peak (6 AM - 9 AM)		-48%	-45%	-44%	-45%	-45%	-31%	-33%	-35%	-37%	-28%	-27%	-26%	-34%	-31%	-28%	-26%	-22%	-30%	-19%
	Aivarado BE ITOTT Logary Moritana to Exposition/ Hower	Midday (9 AM - 2 PM)		-37%	-33%	-32%	-29%	-27%	-22%	-21%	-21%	-18%	-20%	-22%	-21%	-25%	-24%	-22%	-19%	-16%	-21%	-14%
	Entire Service Council (WSC)	AM Peak (6 AM - 9 AM)		-51%	-48%	-48%	-48%	-46%	-40%	-39%	-43%	-42%	-39%	-38%	-40%	-44%	-45%	-43%	-38%	-32%	-42%	-38%
	Littile Service Council (WSC)	Midday (9 AM - 2 PM)		-21%	-18%	-17%	-17%	-12%	-5%	-1%	-6%	-42%	-6%	-7%	-6%	-14%	-14%	-13%	-11%	-6%	-14%	-12%
	10-Fwy Corridor Between El Monte Station to Alameda/Busway (Silver Line & 4	AM Peak (6 AM - 9 AM)		-49%	-49%	-46%	-47%	-43%	-41%	-40%	-41%	-42%	-38%	-37%	-39%	-41%	-43%	-41%	-39%	-34%	-42%	-36%
	10-rwy Corridor Between Er Monte Station to Alameda/Busway (Silver Line &	Midday (9 AM - 2 PM)		-18%	-19%	-14%	-47%	-43%	-7%	-3%	-5%	-42%	-36%	-6%	-6%	-41%	-43%	-41%	-13%	-7%	-10%	-9%
	Line 18 (Whittier Corridor between atlantic & Soto)	AM Peak (6 AM - 9 AM)		-42%	-42%	-39%	-40%	-40%	-32%	-33%	-34%	-32%	-32%	-31%	-29%	-39%	-37%	-32%	-35%	-25%	-40%	-34%
	Line 18 (Whittier Corridor between atlantic & 30to)	Midday (9 AM - 2 PM)		-16%	-13%	-12%	-14%	-40%	-32%	3%	-34%	-32%	-32%	3%	-3%	-14%	-10%	-32%	-13%	-23%	-14%	-12%
	Lines 68/770 (Cesar Chavez Corridor btw Atlantic & Soto) & Line 70 (Garvey Co			-42%	-41%	-40%	-40%	-38%	-32%	-34%	-35%	-36%	-31%	-32%	-33%	-34%	-37%	-33%	-34%	-29%	-36%	-30%
SGV	Lines 60/770 (Cesai Chavez Corridor blw Atlantic & 30(0) & Line 70 (Garvey Co	Midday (9 AM - 2 PM)		-10%	-7%	-7%	-40%	-2%	-32 <i>%</i> 4%	3%	2%	3%	1%	1%	3%	-5%	-4%	-33 <i>%</i> -4%	-6%	-4%	-5%	-4%
	Lines 260/762 (Atlantic Corridor Between Huntington Dr. & Imperial)	AM Peak (6 AM - 9 AM)		-43%	-46%	-44%	-44%	-41%	-35%	-35%	-39%	-36%	-34%	-35%	-37%	-42%	-40%	-37%	-35%	-29%	-39%	-32%
	Lines 200/702 (Atlantic Corridor Between Huntington Dr. & Imperial)	Midday (9 AM - 2 PM)		-43%	-12%	-9%	-10%	-41%	3%	1%	-39%	1%	-34%	-33%	-5%	-42%	-40%	-11%	-33%	-29%	-9%	-5%
	Entire Service Council (SGV)	AM Peak (6 AM - 9 AM)		-50%	-12%	-45%	-10% - <b>47</b> %	-45%	-39%	-40%	-40%	-41%	-37%	-39%	-40%	-43%	-45%	-43%	-38%	-33%	-45%	-36%
		Midday (9 AM - 2 PM)		-19%	-16%	-11%	-12%	-10%	-1%	-1%	-2%	0%	-2%	-7%	-7%	-13%	-13%	-13%	-11%	-6%	-14%	-8%
	Slauson Av Corridor Between I-110 Fwy to Rosemead Bl	AM Peak (6 AM - 9 AM)	1	-39%	-36%	-37%	-33%	-35%	-34%	-35%	-38%	-34%	-32%	-33%	-31%	-35%	-33%	-33%	-34%	-29%	-35%	-30%
	Sidusoff AV Coffidor Between 1-110 Pwy to Roseffiedd Bi	Midday (9 AM - 2 PM)		-9%	-5%	-4%	-33%	-33%	-34 <i>%</i>	2%	1%	1%	-32%	-33%	1%	-6%	-6%	-33%	-8%	-6%	-8%	-30%
	Florence Av Corridor Between I-110 Fwy to Norwalk Station	AM Peak (6 AM - 9 AM)	<b>!</b>	-40%	-39%	-36%	-37%	-37%	-32%	-31%	-31%	-37%	-33%	-30%	-34%	-36%	-37%	-32%	-32%	-24%	-34%	-30%
	Florence AV Corridor Between 1-110 Fwy to Norwalk Station	Midday (9 AM - 2 PM)		-40%	-39%	-36%	-37%	1%	-32%	12%	-31% 7%	-37% 7%	-33%	-30%	-54% 4%	-30%	-37%	3%	-32%	1%	-34%	-30% 0%
GWC	Long Boach Av Carridar by Slavean Av to Artosia A Line (Blue) Station	, , , , , , , , , , , , , , , , , , , ,	1	-5% -42%	-4%	-34%	-35%	-35%	-34%	-31%	-32%	-34%	-31%	-29%	-27%	-3%	-32%	-33%	-2%	-29%	-39%	-31%
	Long Beach Av Corridor btwn Slauson Av to Artesia A-Line (Blue) Station	AM Peak (6 AM - 9 AM) Midday (9 AM - 2 PM)		-42%	-39% -5%	-34% -2%	-35%	-35% 2%	-34%	-31% 4%	-32%	-34% 5%	-31%		-27% 1%	-30% 2%	-32% 3%	-33% 1%	-33% -4%	-29% 0%	-39%	-31% -2%
	Entire Comice Council (CN/C)				-5% -41%	-2% - <b>39%</b>	-1% -40%	-37%	-33%	-34%	-1% -35%	-36%	-32%	-33%	-35%	-38%	-39%	-37%	-4% -33%	-28%	-6% - <b>36%</b>	-30%
	Entire Service Council (GWC)	AM Peak (6 AM - 9 AM) Midday (9 AM - 2 PM)		-42% -7%	-41% -4%	-39% -3%	-40%	-3/% 1%	-33%	-34% 7%	-35% 5%	-36% 8%	-32% 5%	-33% 0%	-35% 1%	-38% -5%	-39% -5%	-3 <i>7</i> % -6%	-33% -4%	-28% 2%	-36% -3%	-30% -2%
	All Coming Councils	· · · · · · · · · · · · · · · · · · ·		-47%		-3% -44%	-4%	-44%	-37%	-38%	-40%	-40%	-36%	-35%	-36%	-43%	-5% -41%	-39%	-4%	-32%	-40%	-34%
All SC	All Service Councils	AM Peak (6 AM - 9 AM)			-47%												,.					
		Midday (9 AM - 2 PM)		-13%	-13%	-8%	-9%	-8%	3%	2%	1%	4%	2%	0%	1%	-10%	-6%	-6%	-7%	-3%	-7%	-6%