

WFRC

Highway & Transit System Report

January 2020

by

Kip Billings

Performance Measures

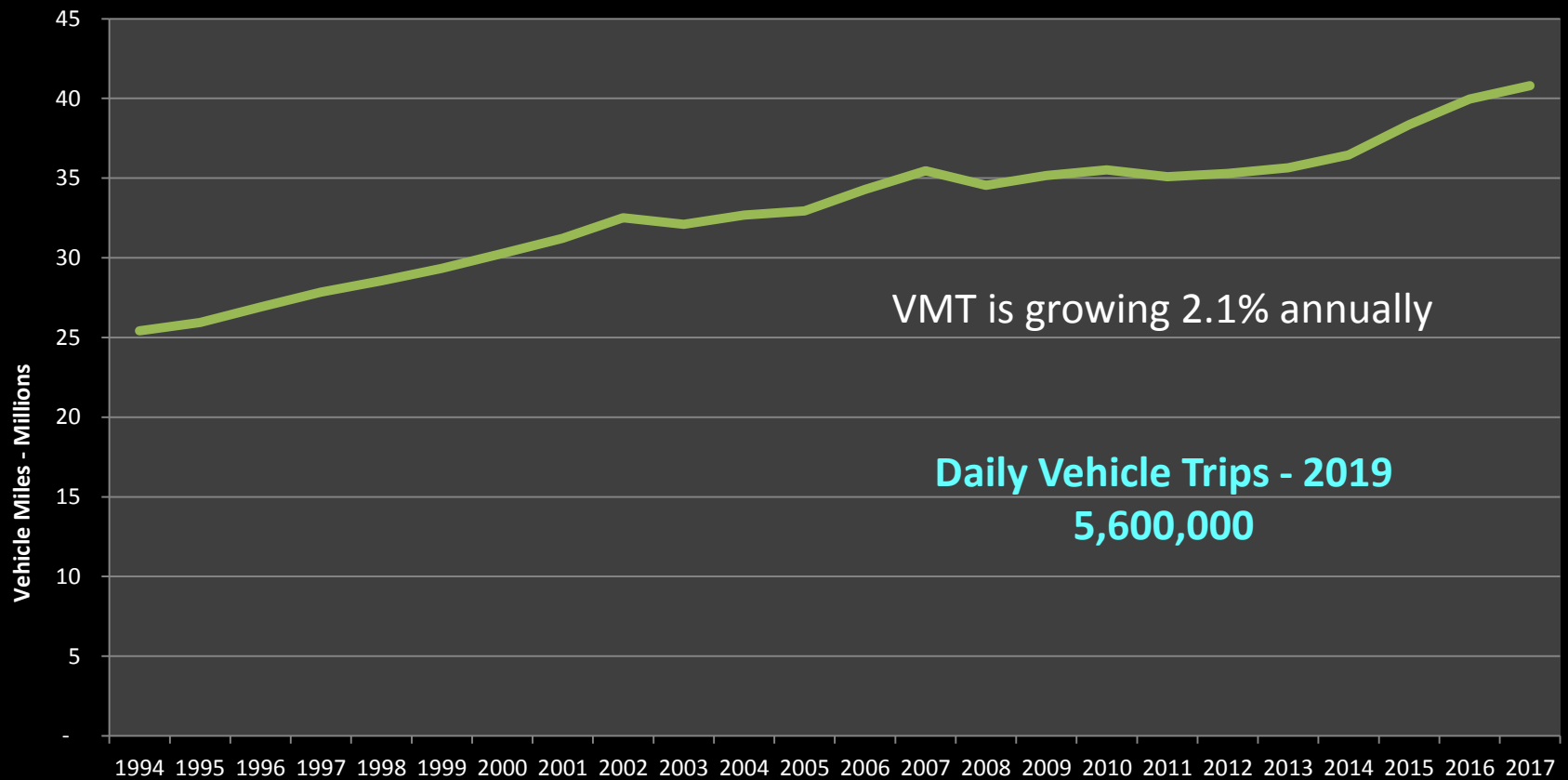
- Highway
 - Daily VMT
 - VMT/Capita
 - Traffic Speed PM Peak 2019
 - Trip Purpose
- Transit
 - Passengers by Mode
 - Annual Passengers/Capita
 - First/Last Mile by Mode
 - Peak Load Factor by Mode

HIGHWAY PERFORMANCE

Daily VMT

(UDOT HPMS data)

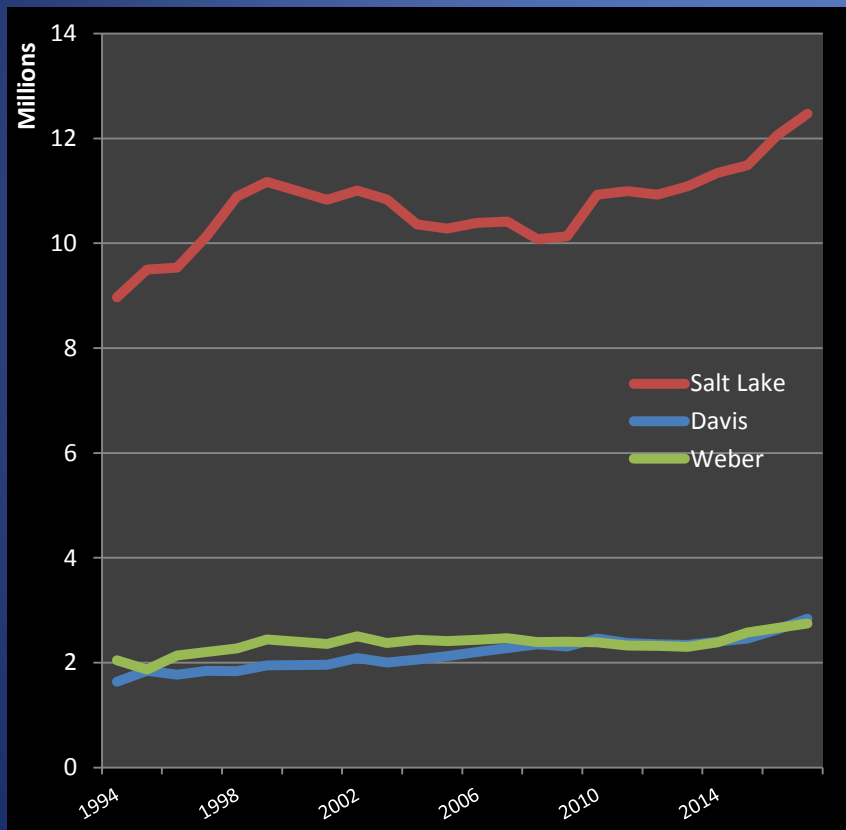
Weber, Davis, and Salt Lake Counties



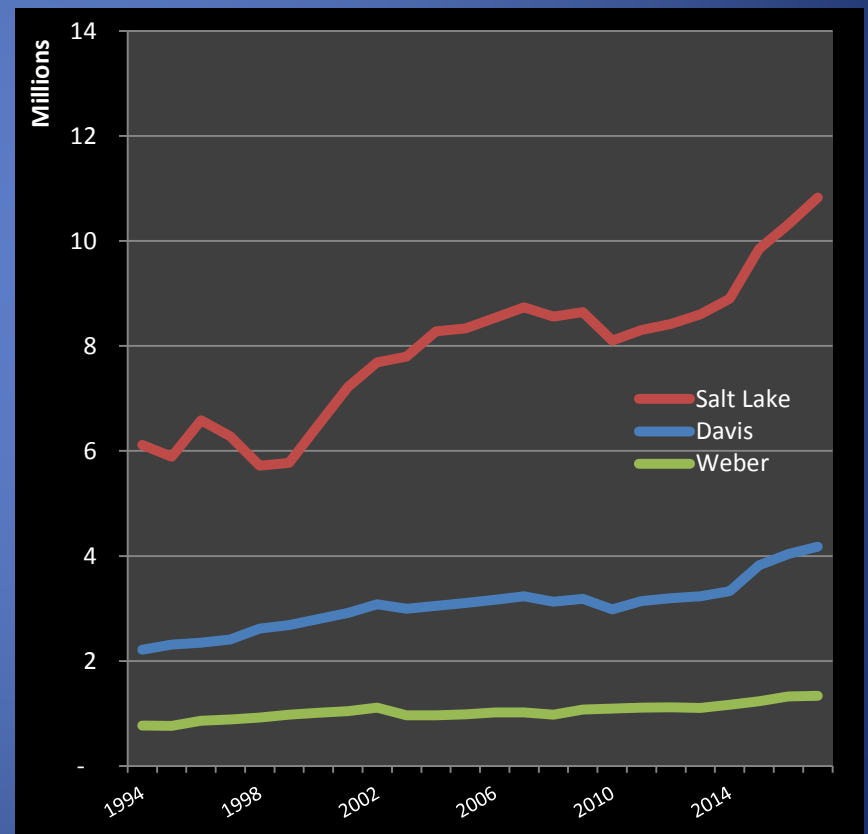
Source: UDOT HPMS data.

Daily VMT: Arterials & Freeways

Arterial VMT: 1994-2017



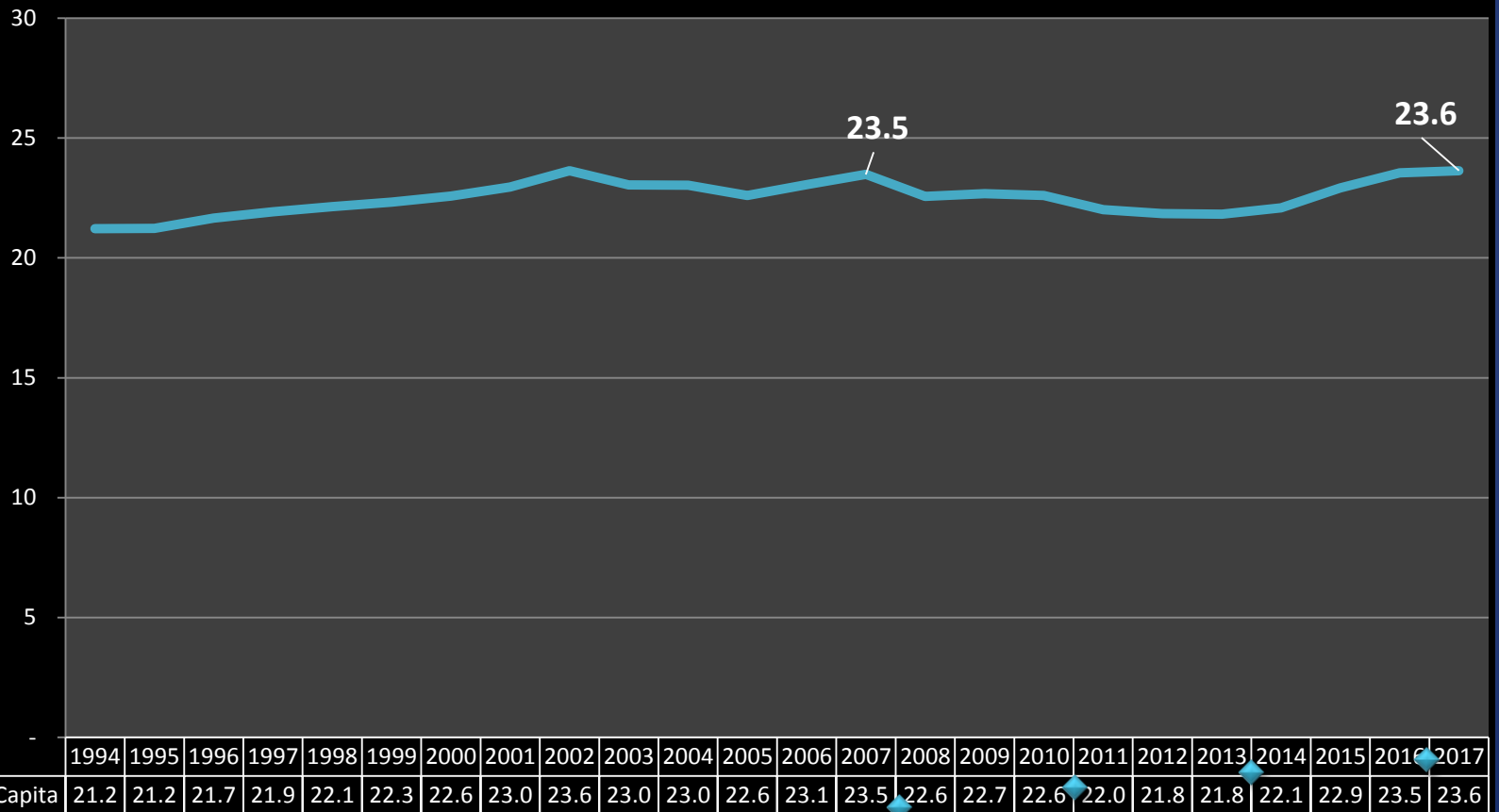
Freeway VMT: 1994-2017



Source: UDOT HPMS data.

VMT per Capita

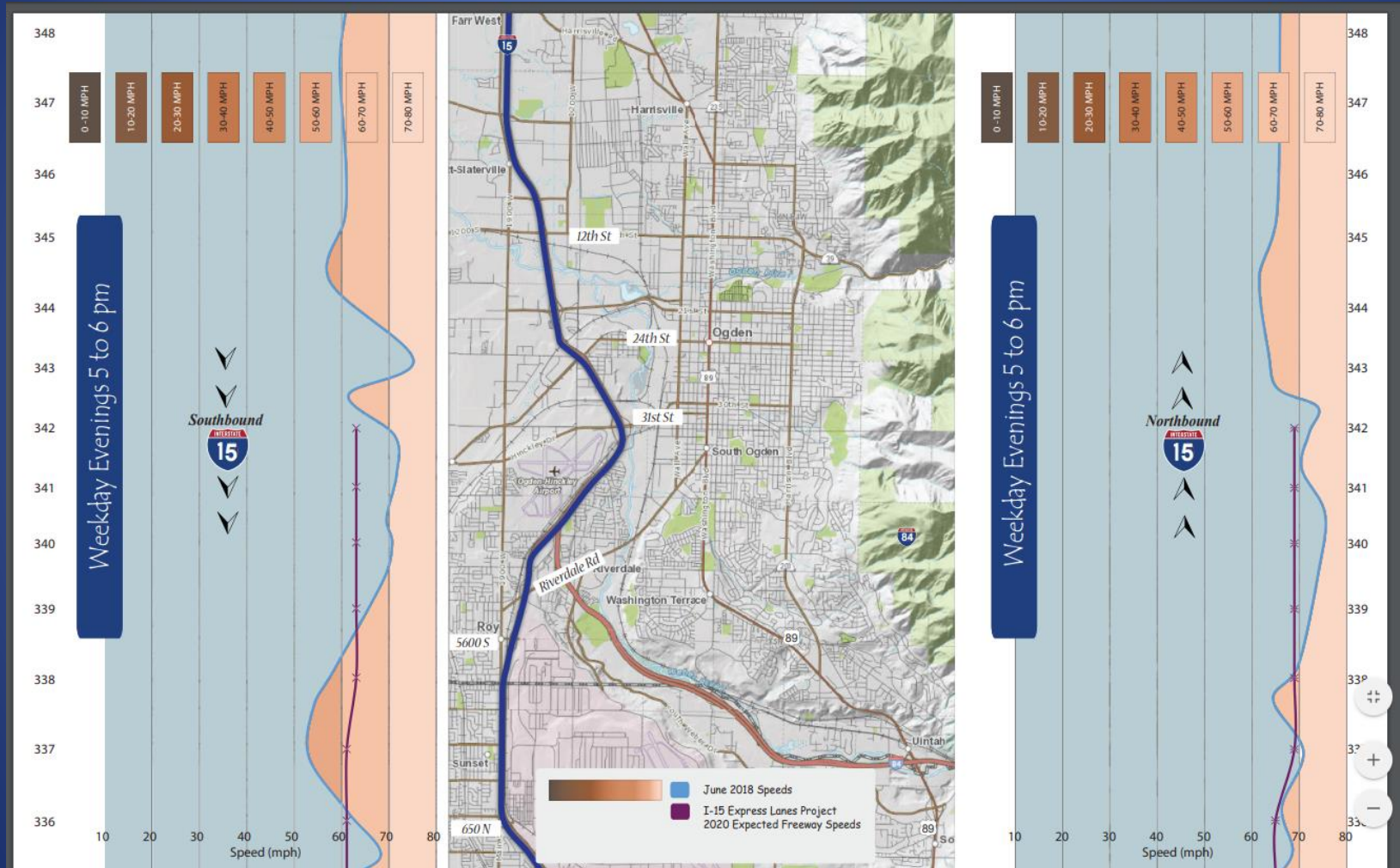
Weber, Davis, and Salt Lake Counties



Source: UDOT HPMS data.

I-15 PM Speed Map – Weber County

June 2015, PM peak



Source: UDOT UPLAN Maps, I-15 Wasatch Front Speeds & Current Projects

I-15 PM Speed Map – Davis County

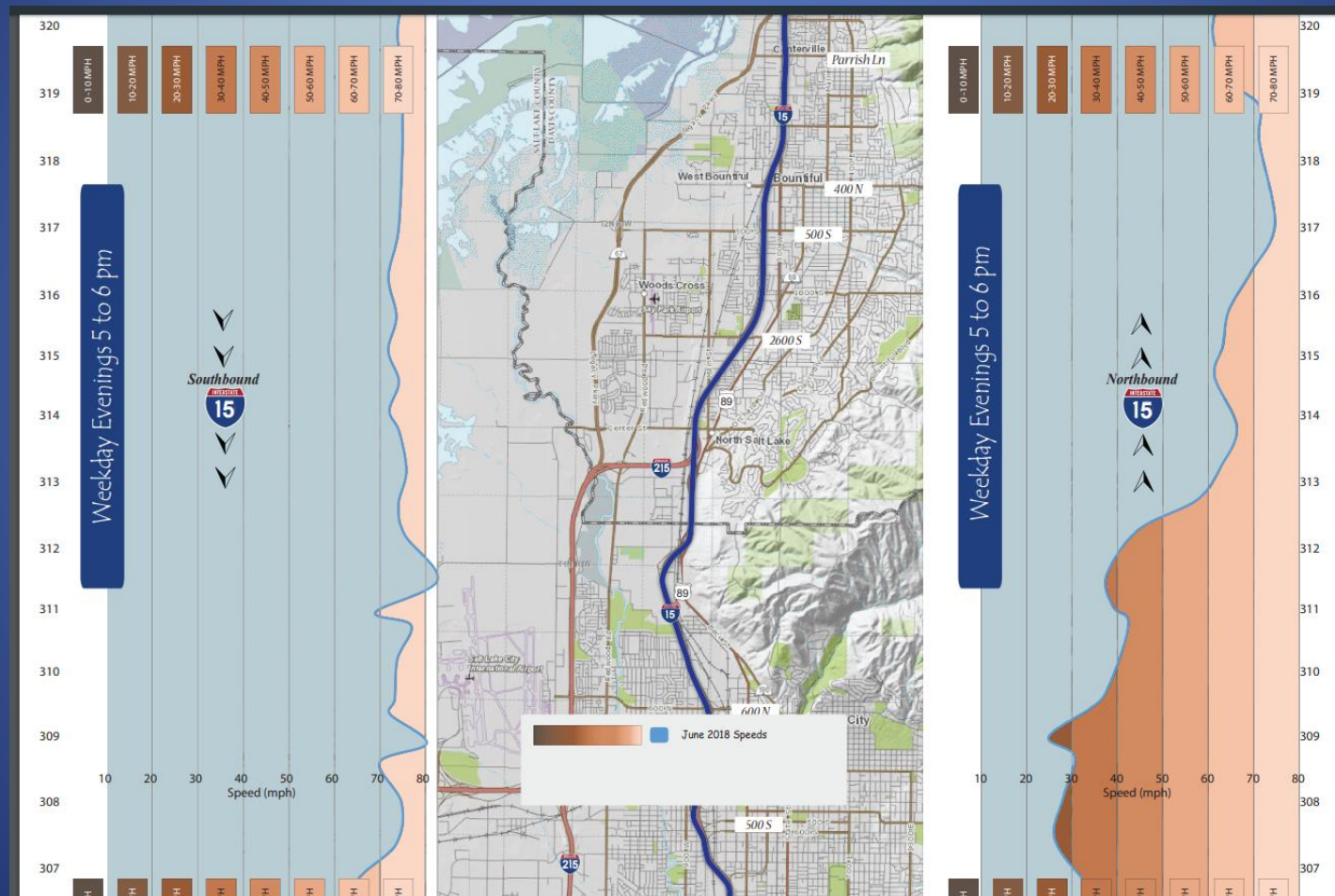
June 2015, PM peak



Source: UDOT UPLAN Maps, I-15 Wasatch Front Speeds & Current Projects

I-15 PM Speed Map – South Davis County

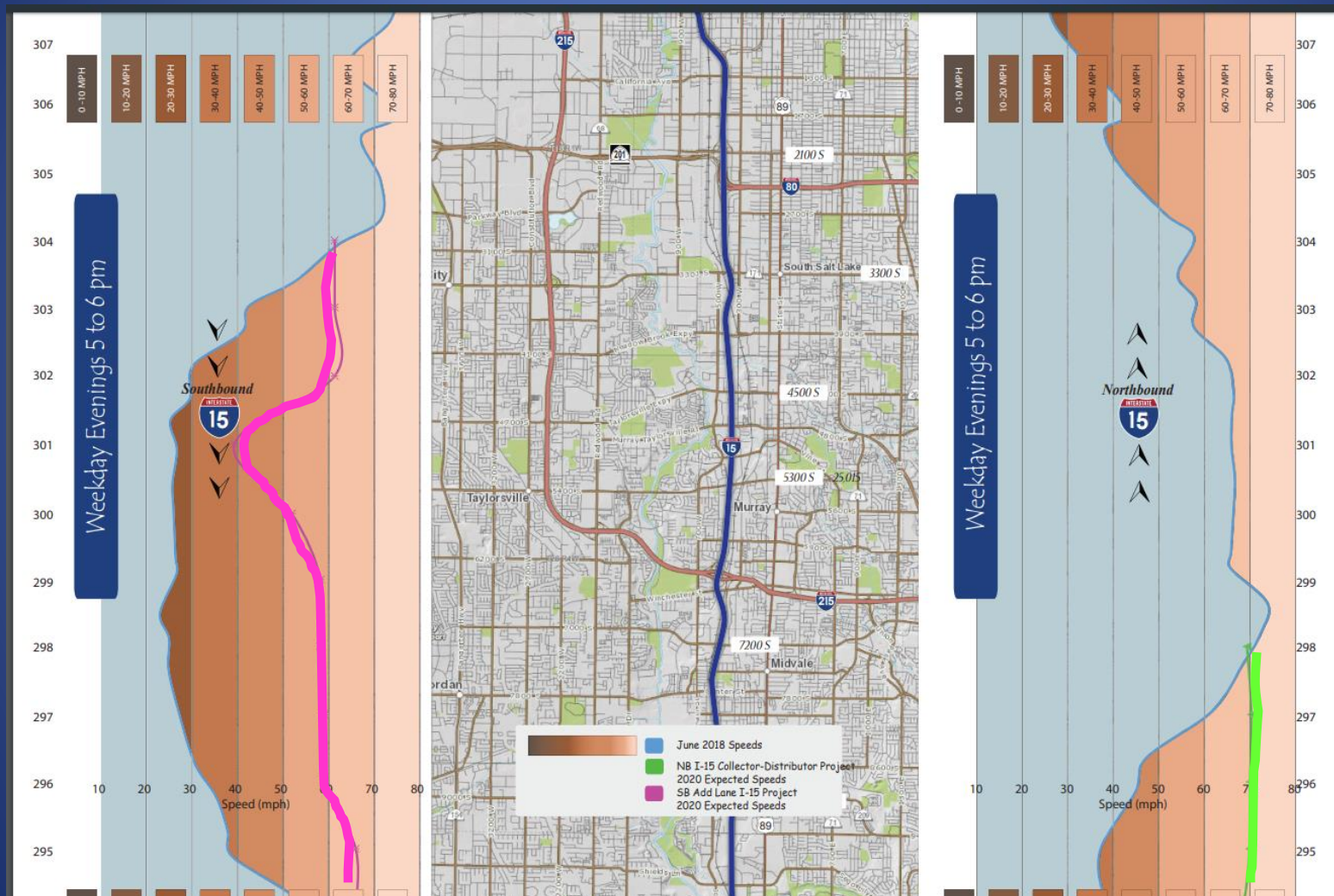
June 2015, PM peak



Source: UDOT UPLAN Maps, I-15 Wasatch Front Speeds & Current Projects

I-15 PM Speed Map – Salt Lake County (north)

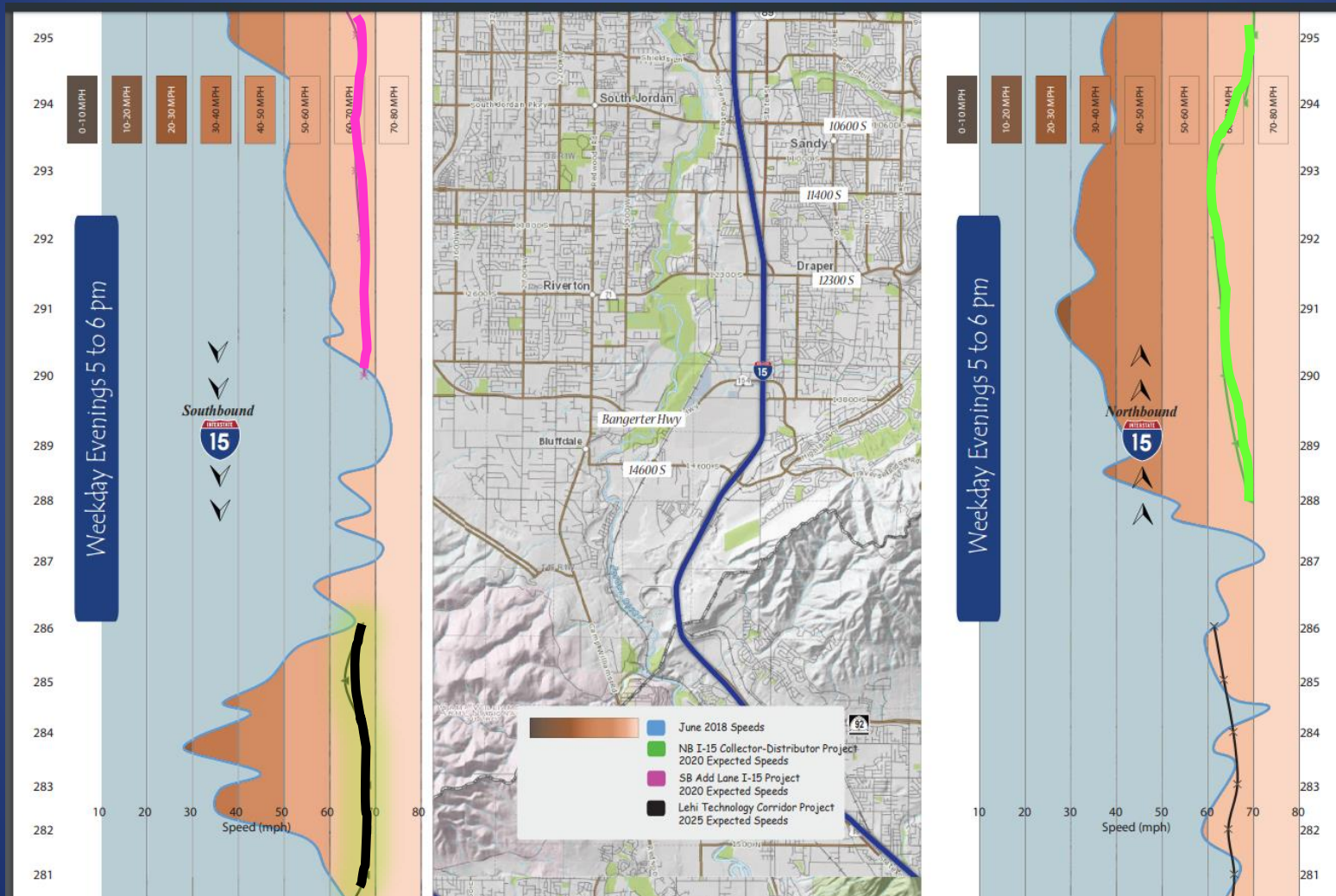
June 2015, PM peak



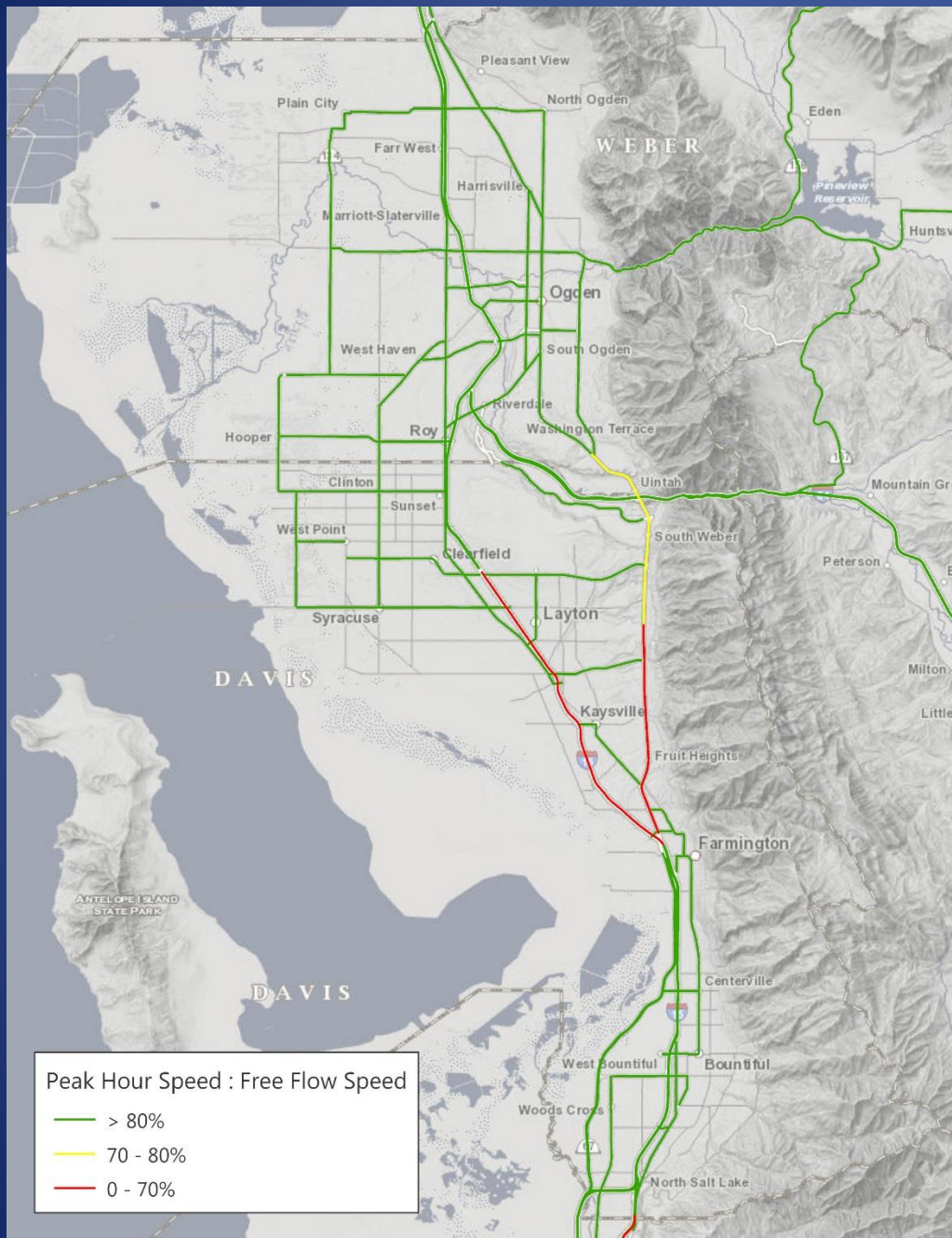
Source: UDOT UPLAN Maps, I-15 Wasatch Front Speeds & Current Projects

I-15 PM Speed Map – Salt Lake County (south)

June 2015, PM peak



Source: UDOT UPLAN Maps, I-15 Wasatch Front Speeds & Current Projects



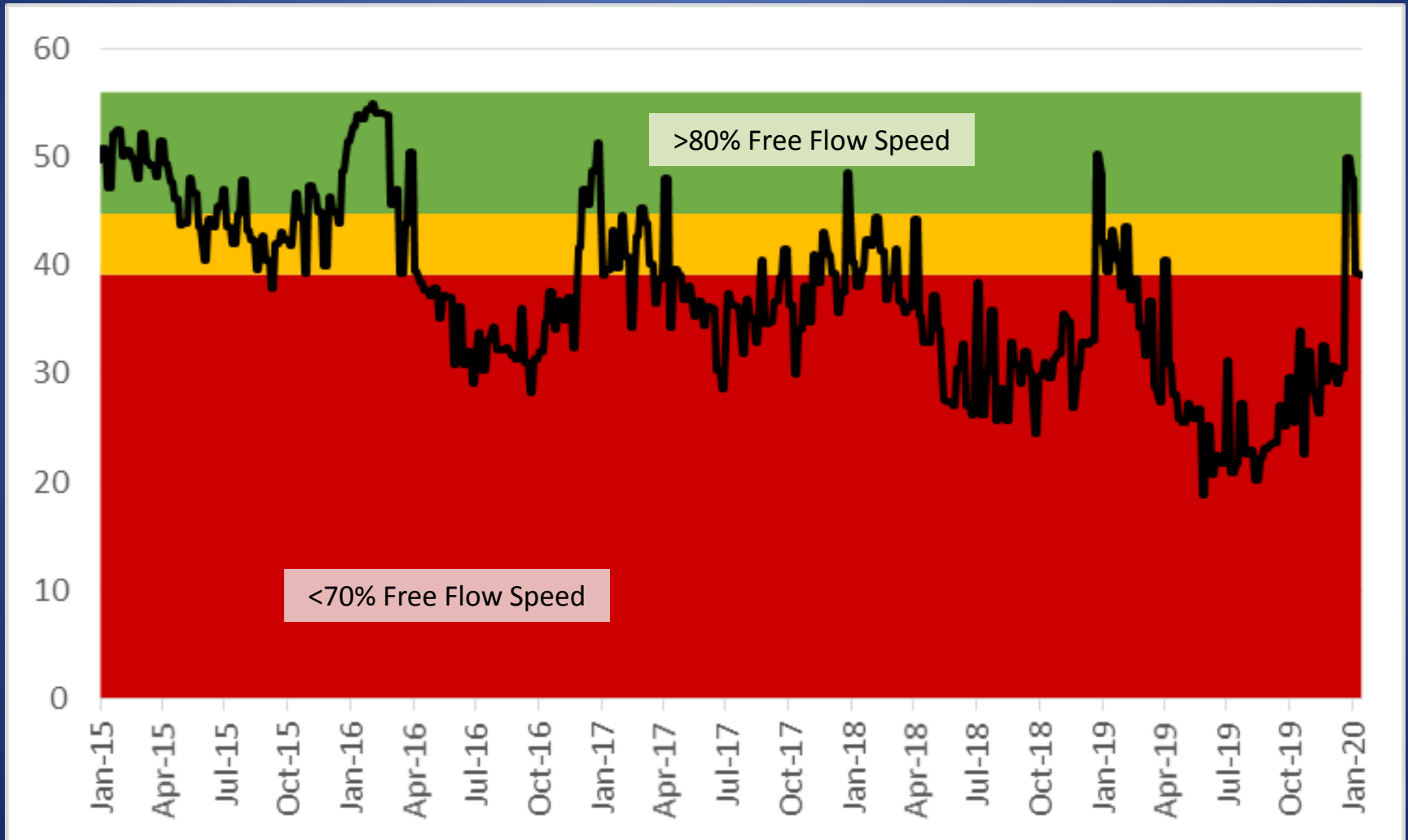
PM Peak Speed/Free Flow Speed

Weber County &
Davis County
2019

Source: UDOT Speed Map 2019.

Hwy-89 NB: I-15 to Cherry Lane

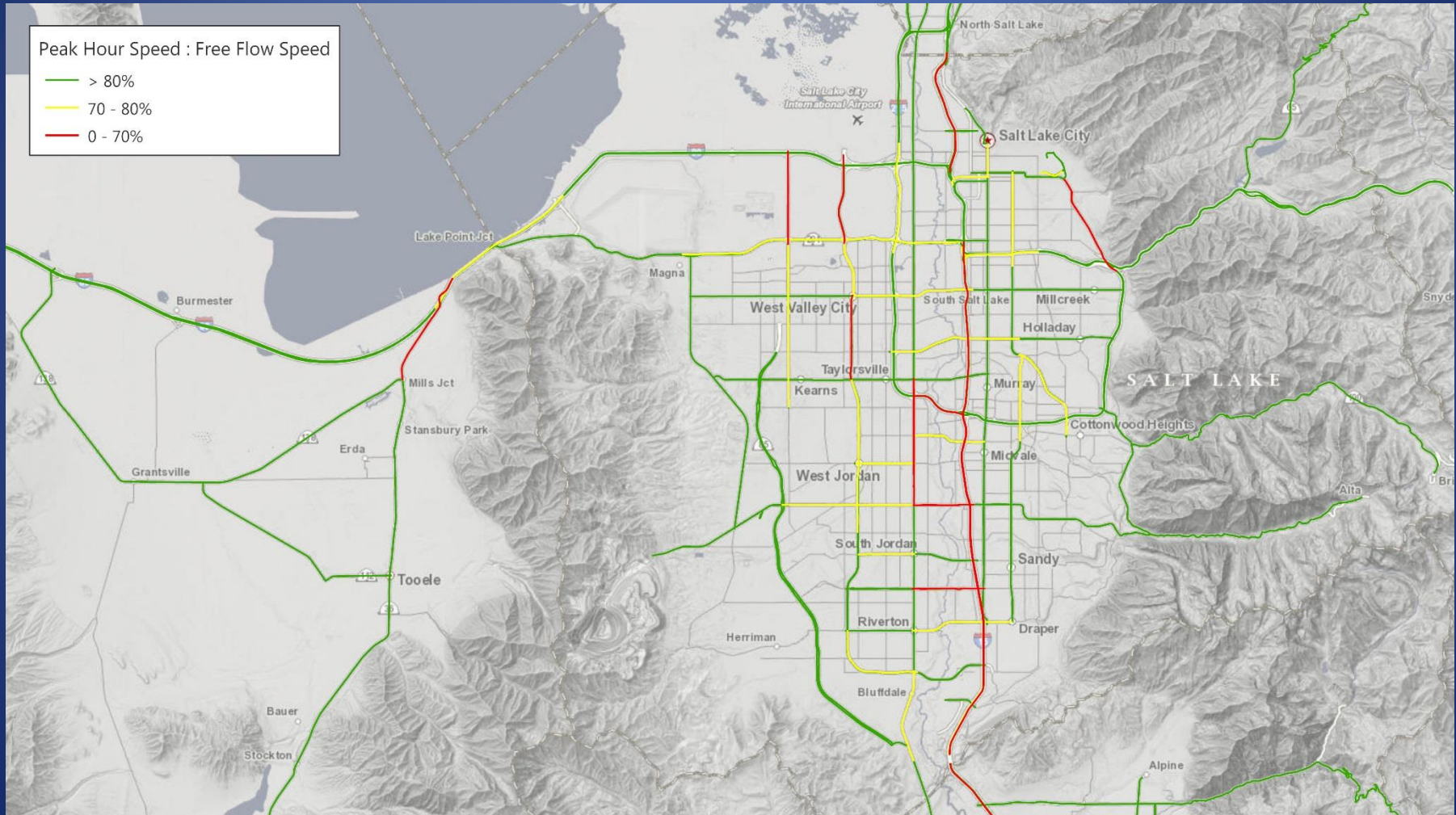
PM Peak Speed 2015 - 2019



Source: UDOT iPEMS data.

PM Peak Speed/Free Flow Speed

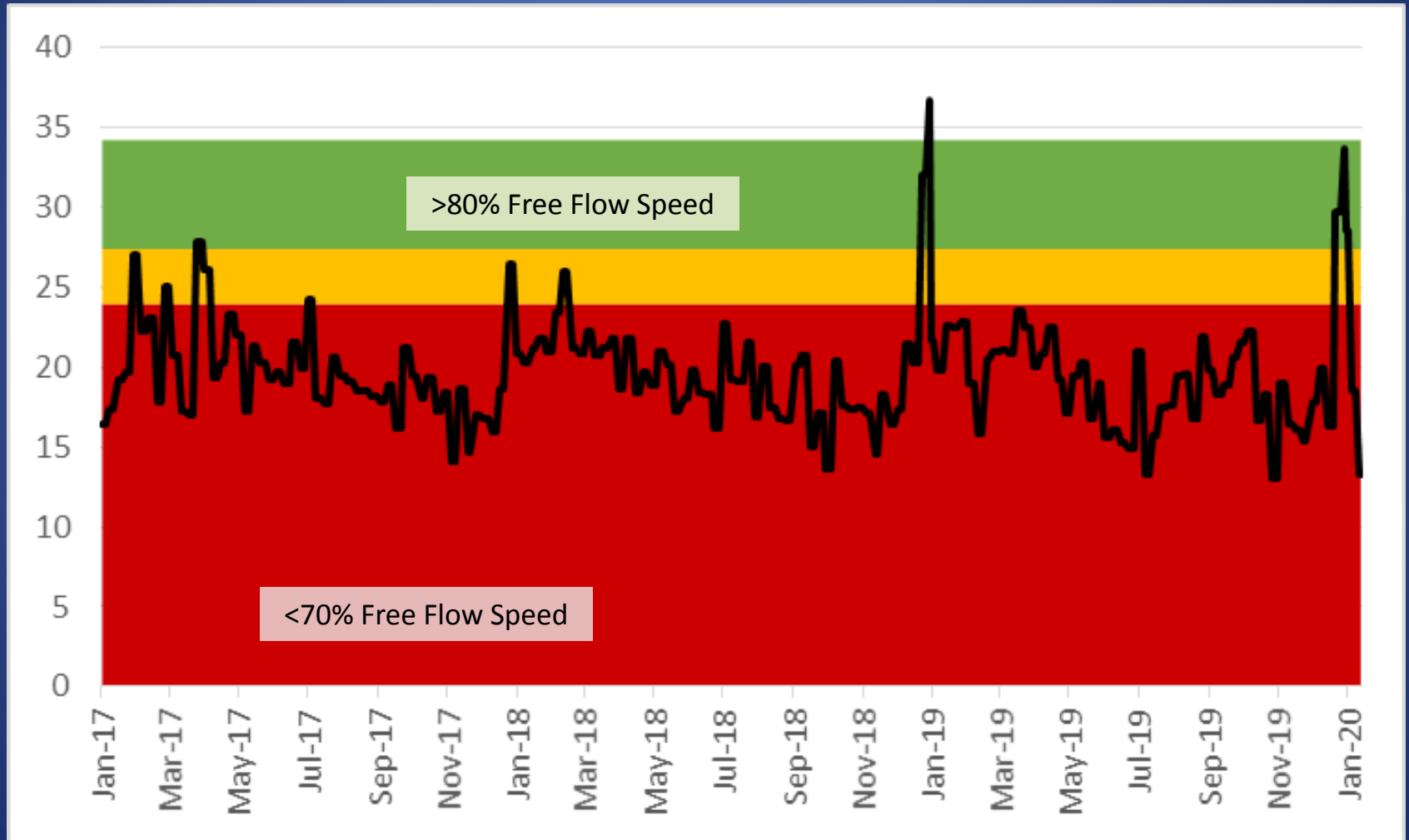
Salt Lake County & Tooele County 2019



Source: UDOT Speed Map 2019.

5600 West SB: I-80 to SR-201

PM Peak Speed 2017-2019

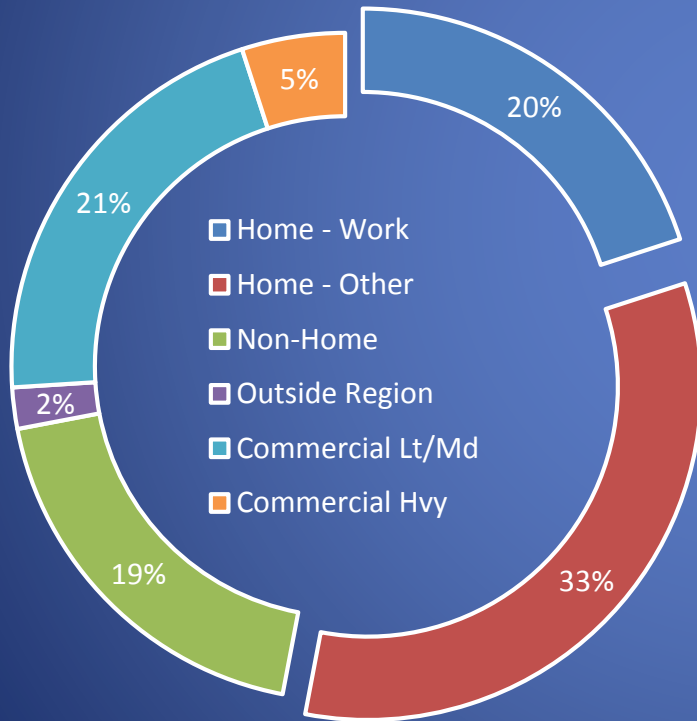


Source: iPEMS (UDOT)

Trip Purpose

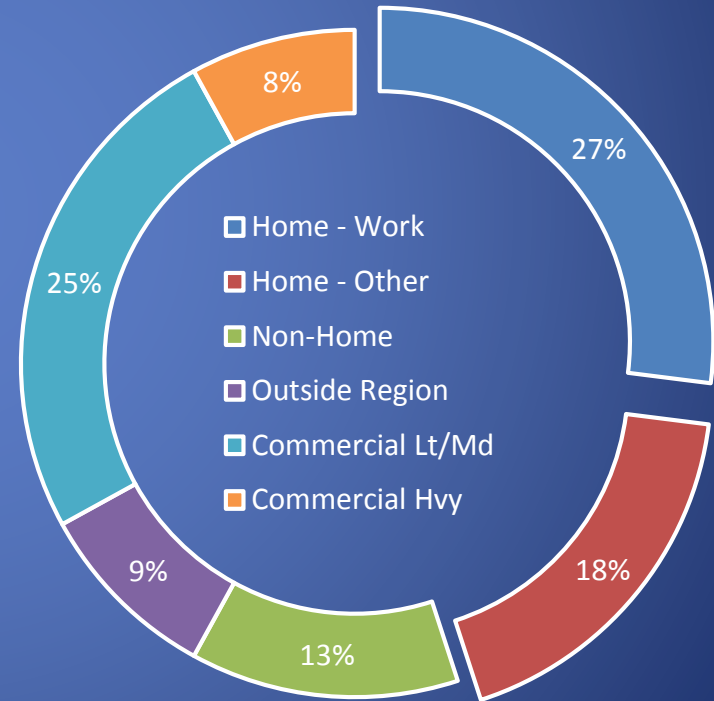
By Number of Trips

why



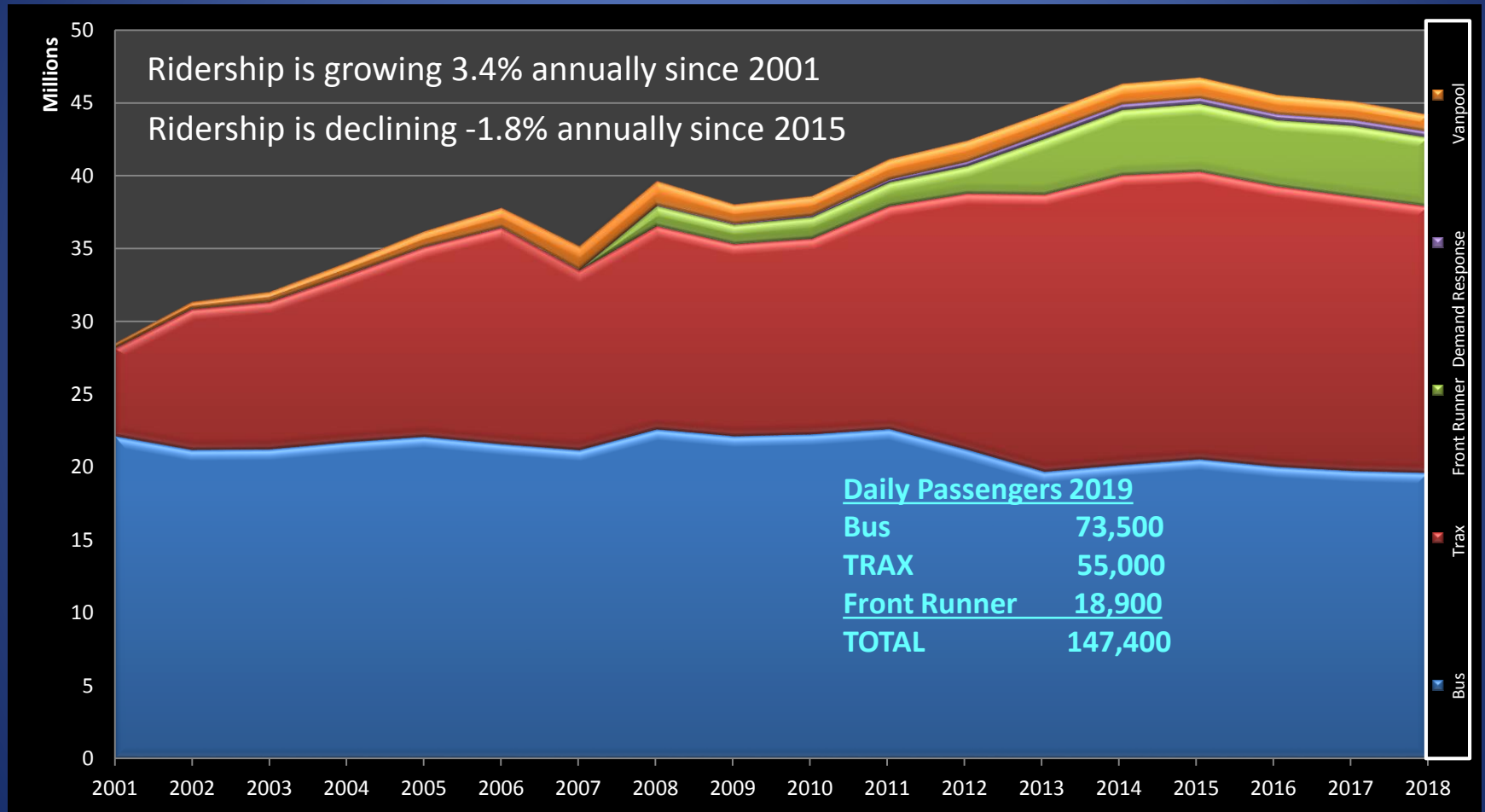
By VMT

why & how much



TRANSIT PERFORMANCE

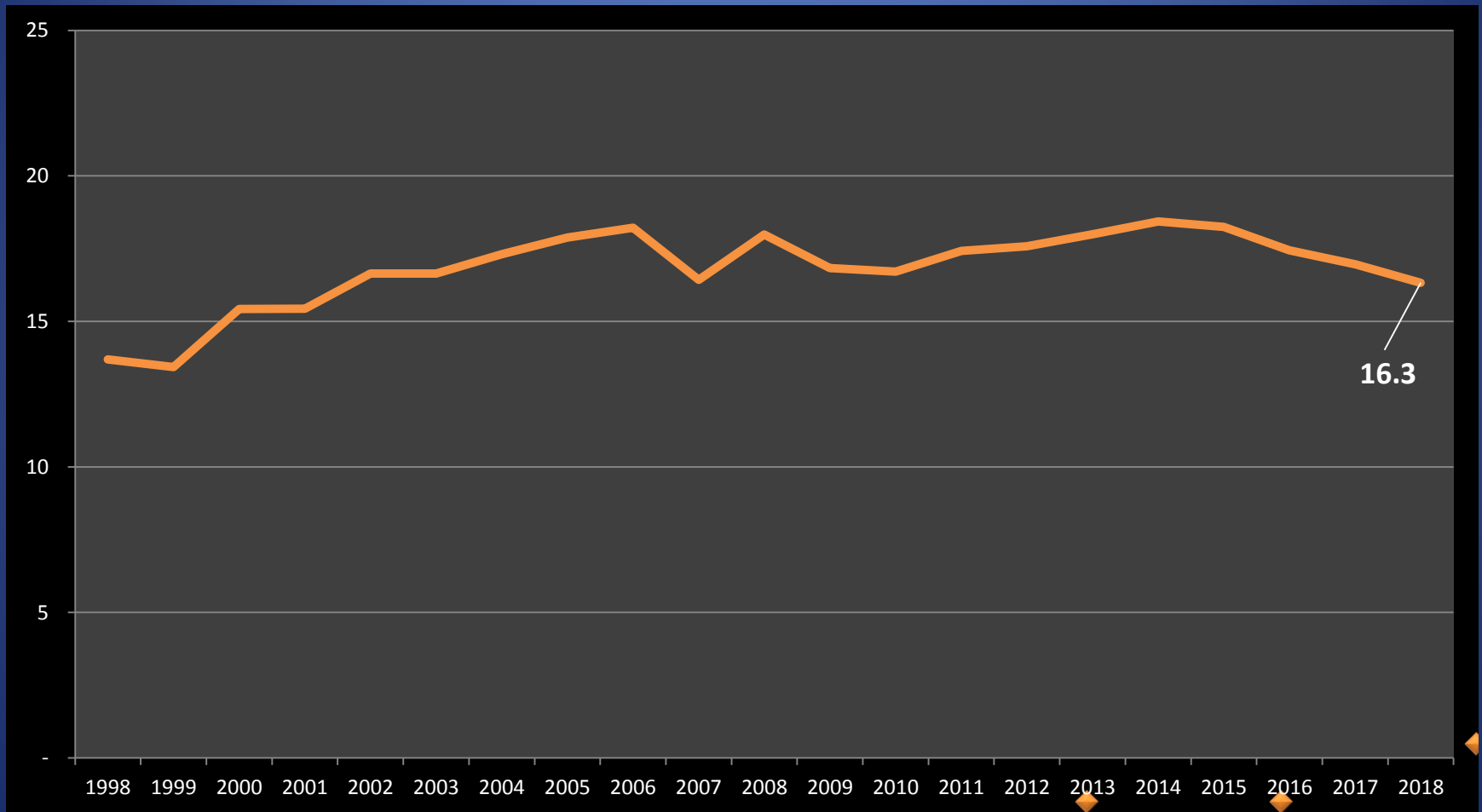
UTA Ridership Trend: 2001-2018



Source: National Transit Database

UTA Annual Transit Passengers per Capita

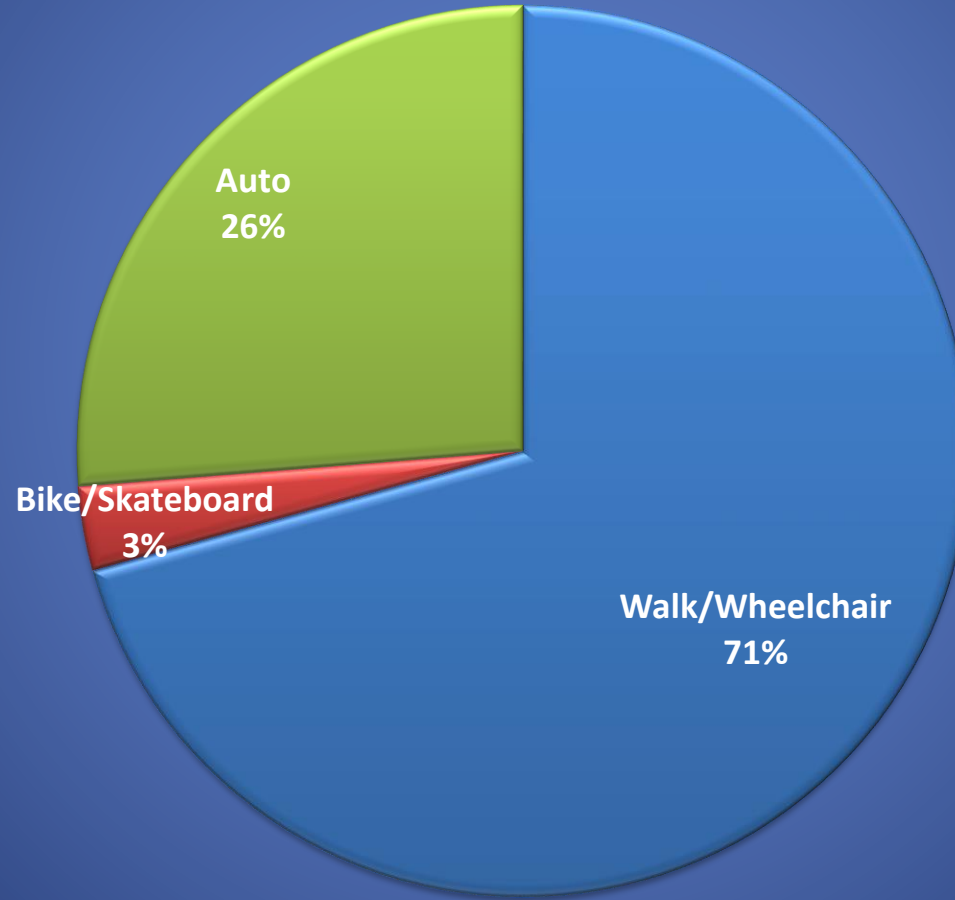
(All Modes)



Source: National Transit Database

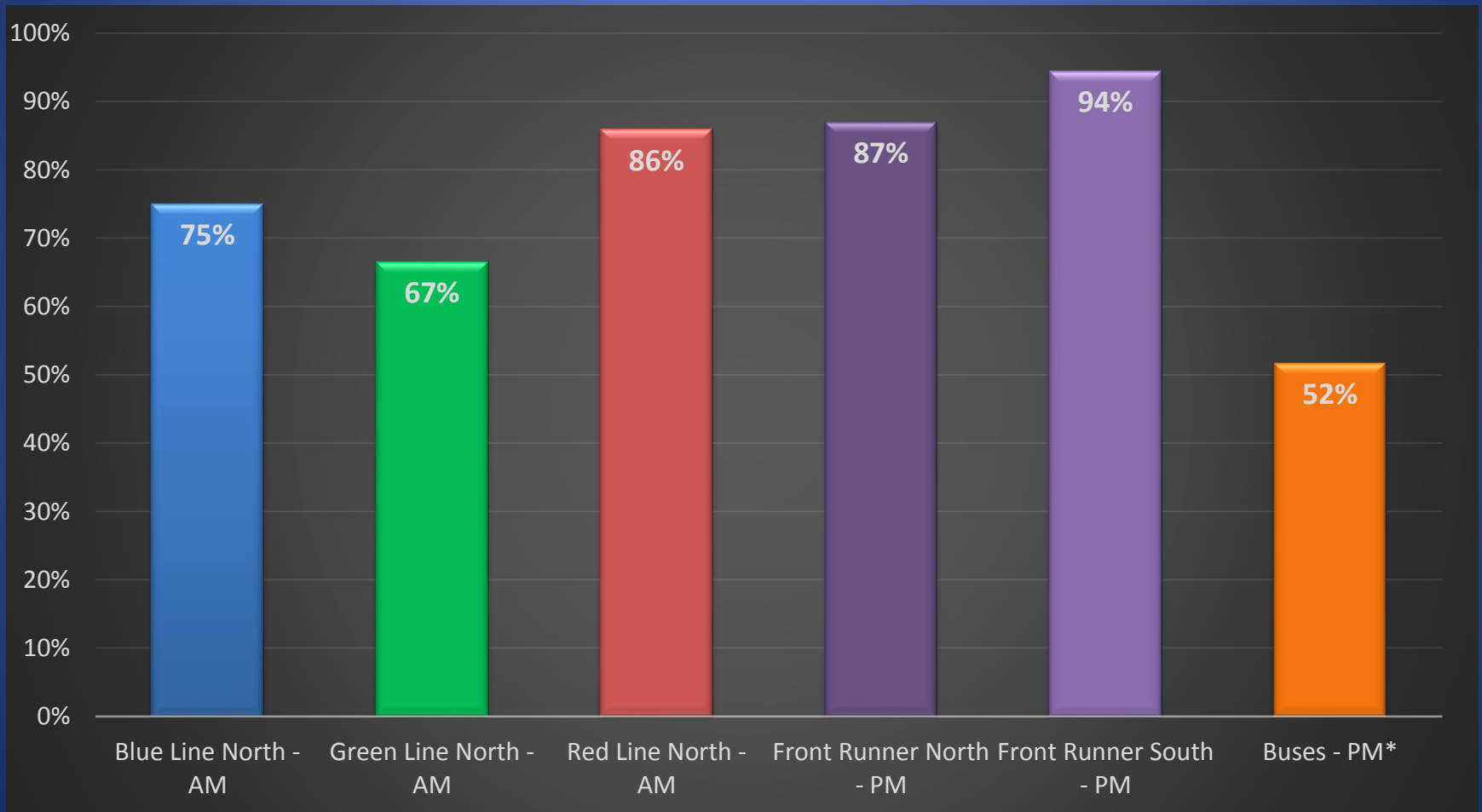
First/Last Mile by Mode

How to get to transit service – 2015 UTA survey



Transit Load Factor – PM Peak Period

Passengers per Trip / Seating Capacity



Source: UTA, average peak period passengers in the peak direction, September & October 2019.

*Buses: 2018 value (21.7) estimated from 2013 PM peak bus passengers/bus trip of 22.4 factored by percent change in bus passengers (-0.36%) and bus service miles (2.95%).

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Speed Map:

<http://arcg.is/10uy8>

I-15 Wasatch Front Speeds & Current Projects:

<https://uplan.maps.arcgis.com/apps/MapSeries/index.html?appid=720a116aadfb4e95930e71b9b1be77a2>

UTA Data Portal:

<https://data-rideuta.opendata.arcgis.com/>