



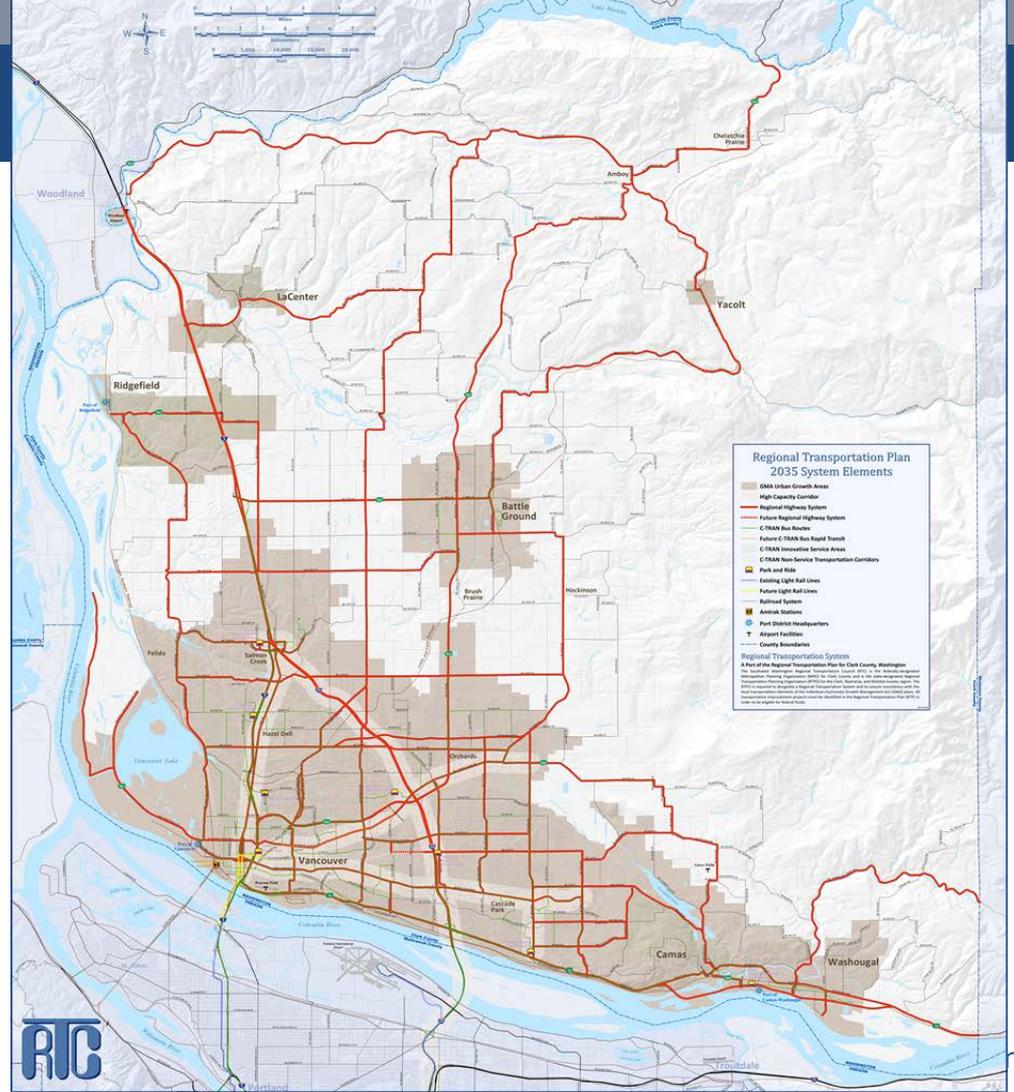
2018 RTP Update – Existing Conditions: Moving People

Agenda

- What is the Regional Transportation System?
- Moving People
 - Highway System
 - Local Arterials
 - Public Transit
 - Travel to Work

Regional System

- All state transportation facilities and services
- All freeways, expressways and principle arterials
- All high-capacity transit systems
- All transportation facilities and services that an RTPO determines necessary to complete the regional plan, including - airports, transit services and facilities, roadways, rail facilities, marine transportation facilities and etc.





Moving People



How Much Do Clark County Residents Travel?

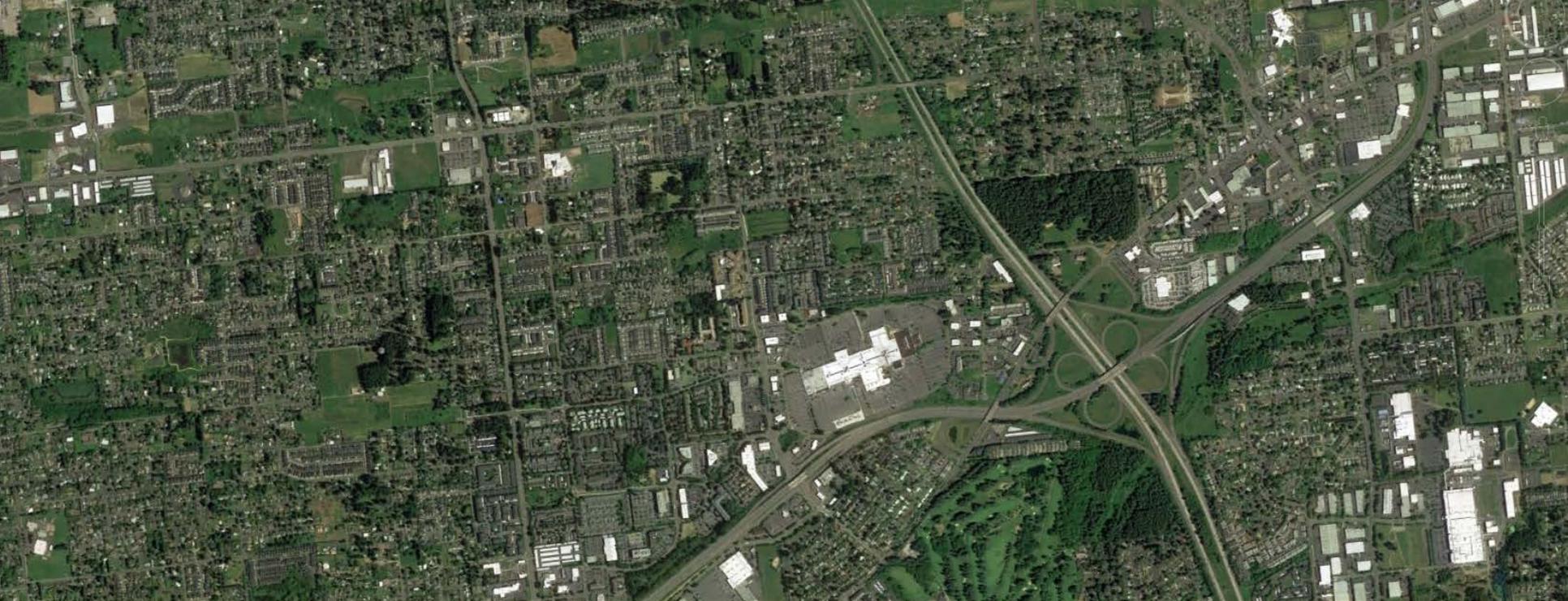
- 1.7 million person trips per weekday
- 85% between 6am and 6pm
- Around 10 trips per household

Travel Purposes

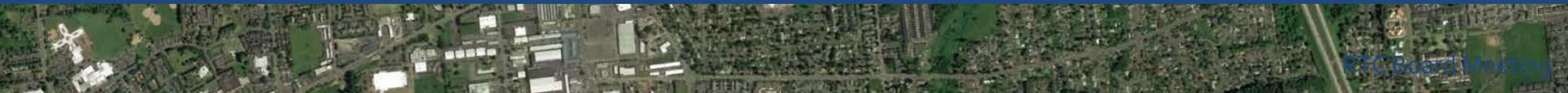
Trip Purpose	Percentage of all trips	Average Travel Time (min.)	Average Trip Distance (mi.)
Home-based Work	14.2%	23.95	8.25
Home-based Retail	8.6%	13.49	3.32
Home-based Other	45.1%	15.37	4.03
Non-home Based	32.1%	16.06	6.09

Travel Mode

Travel Mode	Percentage of all trips	Average Travel Time (minutes)
Walk	7.3%	9.9
Bike	1.0%	19.7
Auto Driver	61.7%	17.3
Auto Passenger	23.1%	14.4
Transit	1.6%	26.1
Paratransit	0.1%	21.3
School Bus	5.1%	22.9
Other	0.1%	



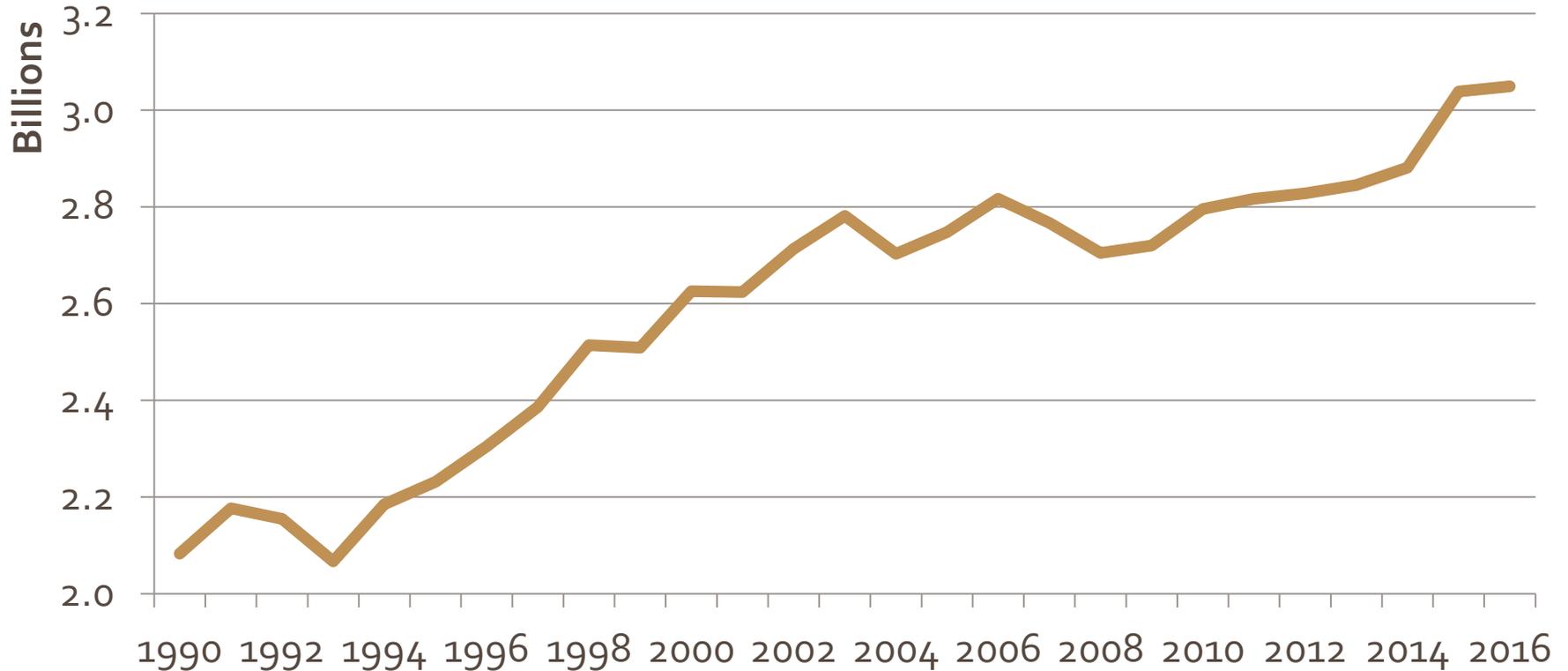
Roadway Network



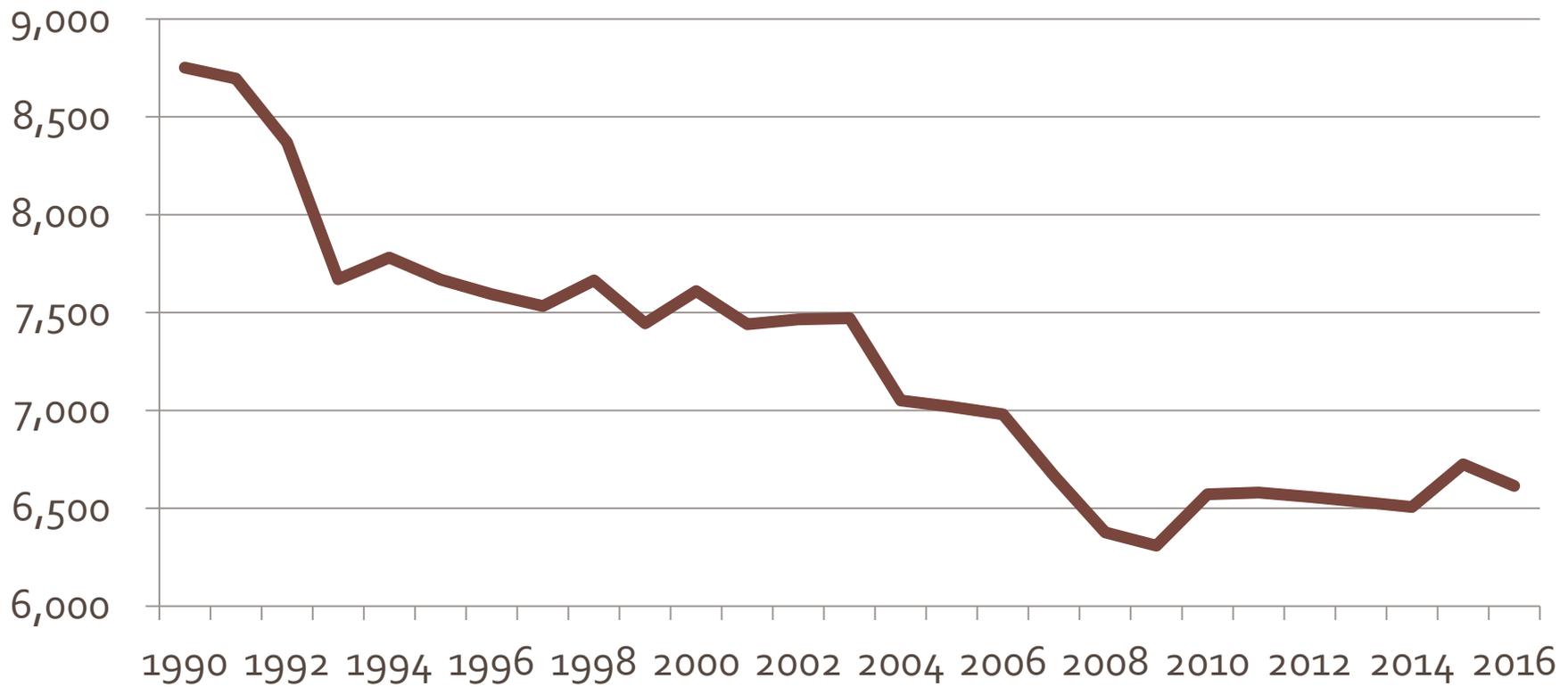
Clark County Roadway Network

- Over 2,300 centerline miles of roads maintained and operated by state and local jurisdictions
- Annually, over 3 billion vehicle miles are traveled on Clark County roadways

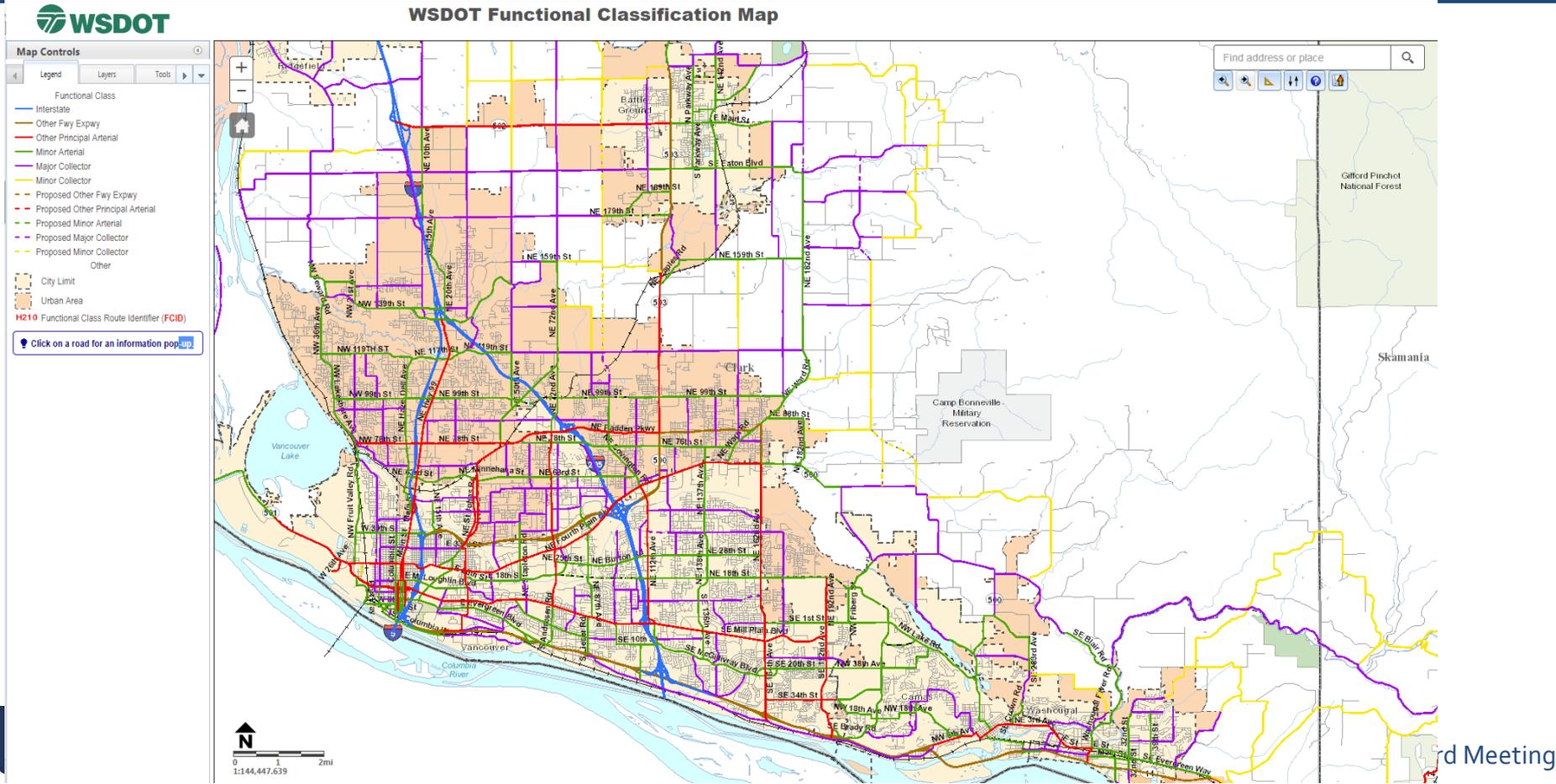
Roadway Network – Annual VMT



Roadway Network – Annual VMT per Capita



Functional Classification

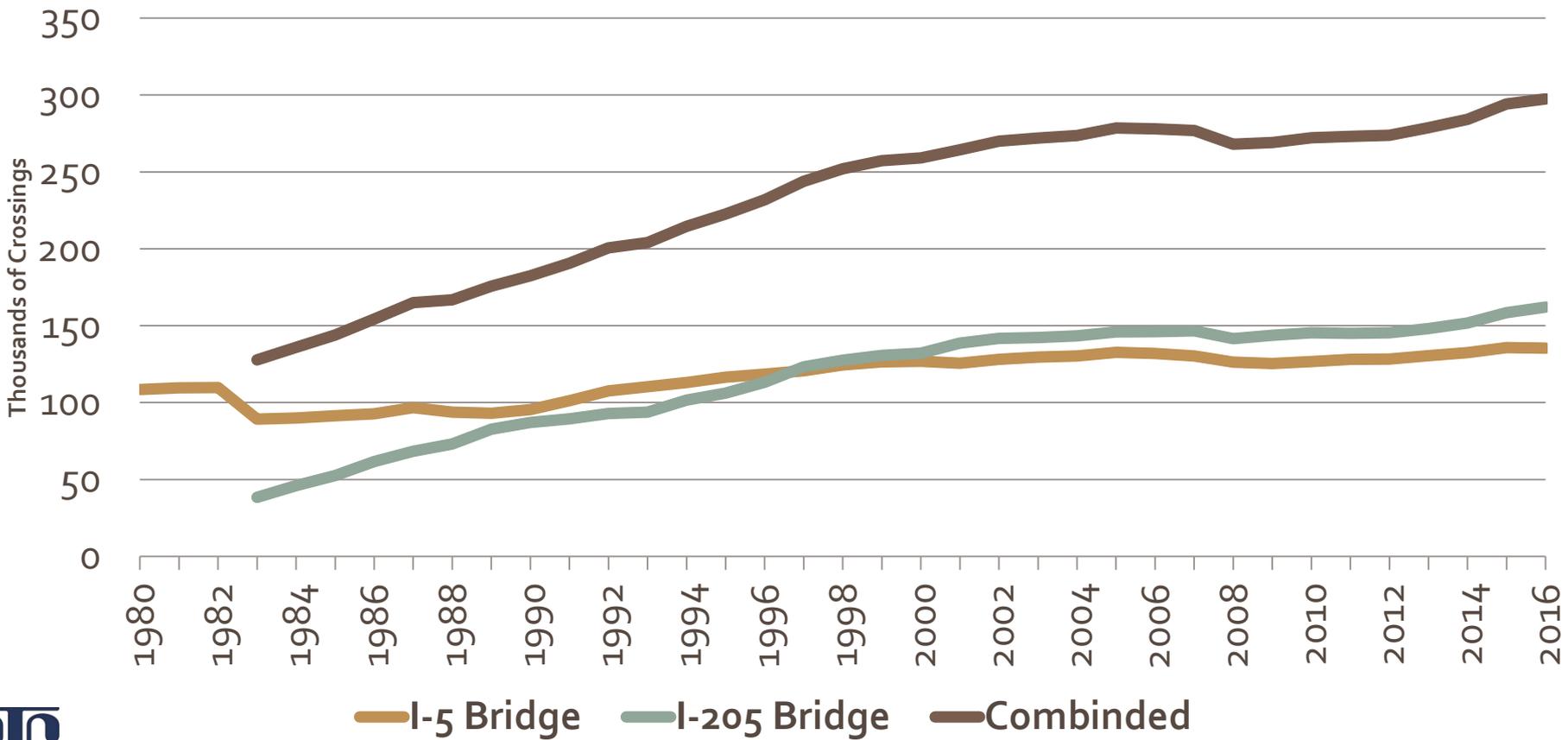


State Highways

- 125 total centerline miles
- 45% of all VMT

Facility	Begins	Ends	Centerline Miles
I-5	Oregon State Line	Cowlitz Co. Line	20.73
I-205	Oregon State Line	I-5 Interchange	10.57
SR-14	Interchange with I-5, Vancouver	Skamania Co. Line	21.77
SR-500	Interchange with I-5	SR-14 Intersection, Camas	22.64
SR-501, south	Interchange with I-5	Terminus of S. segment	10.99
SR-501, couplet	Interchange with I-5	Franklin St., Vancouver	0.55
SR-501, north	City of Ridgefield	Interchange, I-5 at Pioneer	2.97
SR-502	Intersection with I-5 at NE 219 St.	Intersection with SR-503	6.12
SR-503	Intersection with SR-500	Cowlitz Co. line	27.87

Columbia River Crossings – Average Weekday

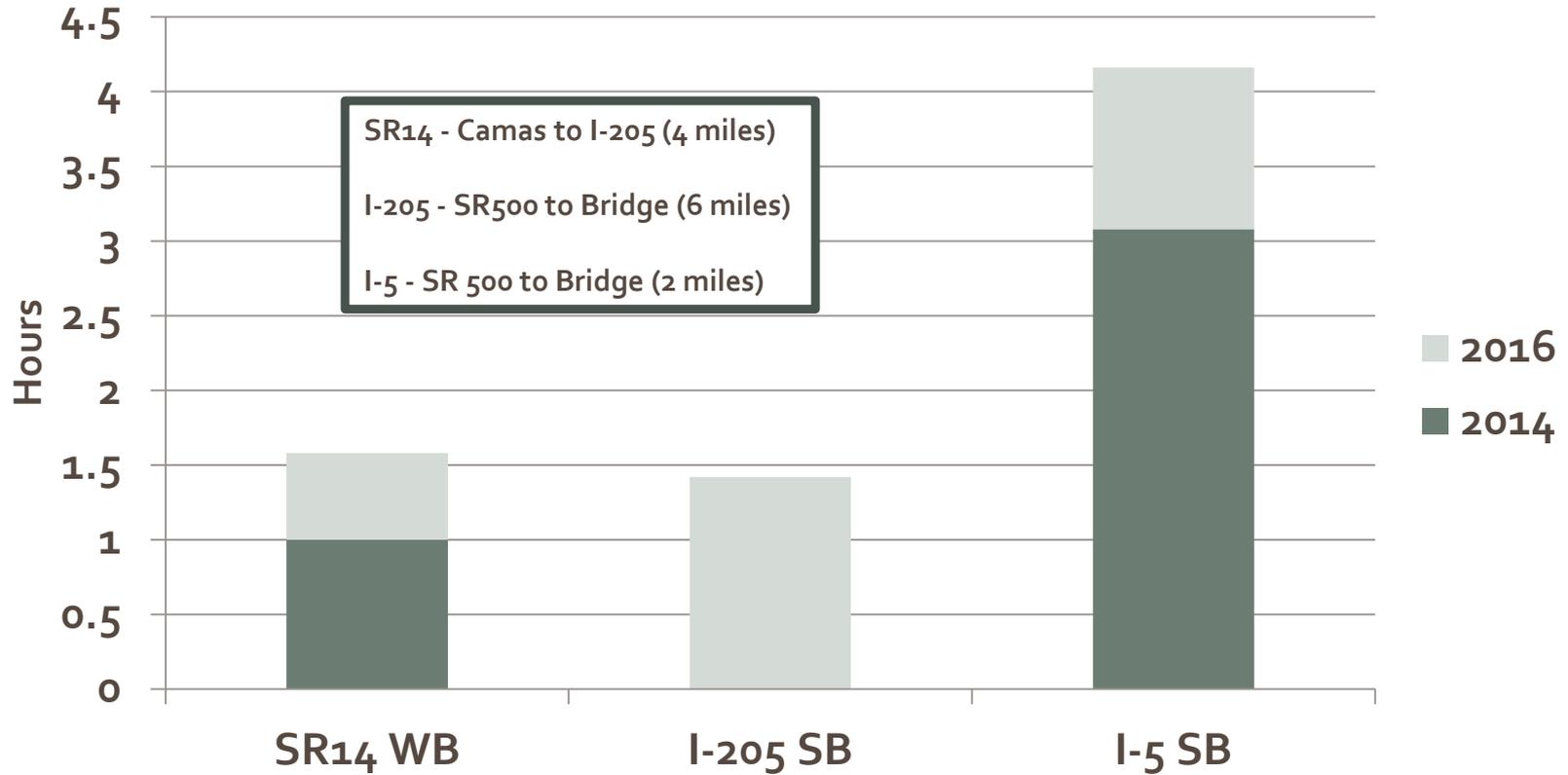


Travel Speeds

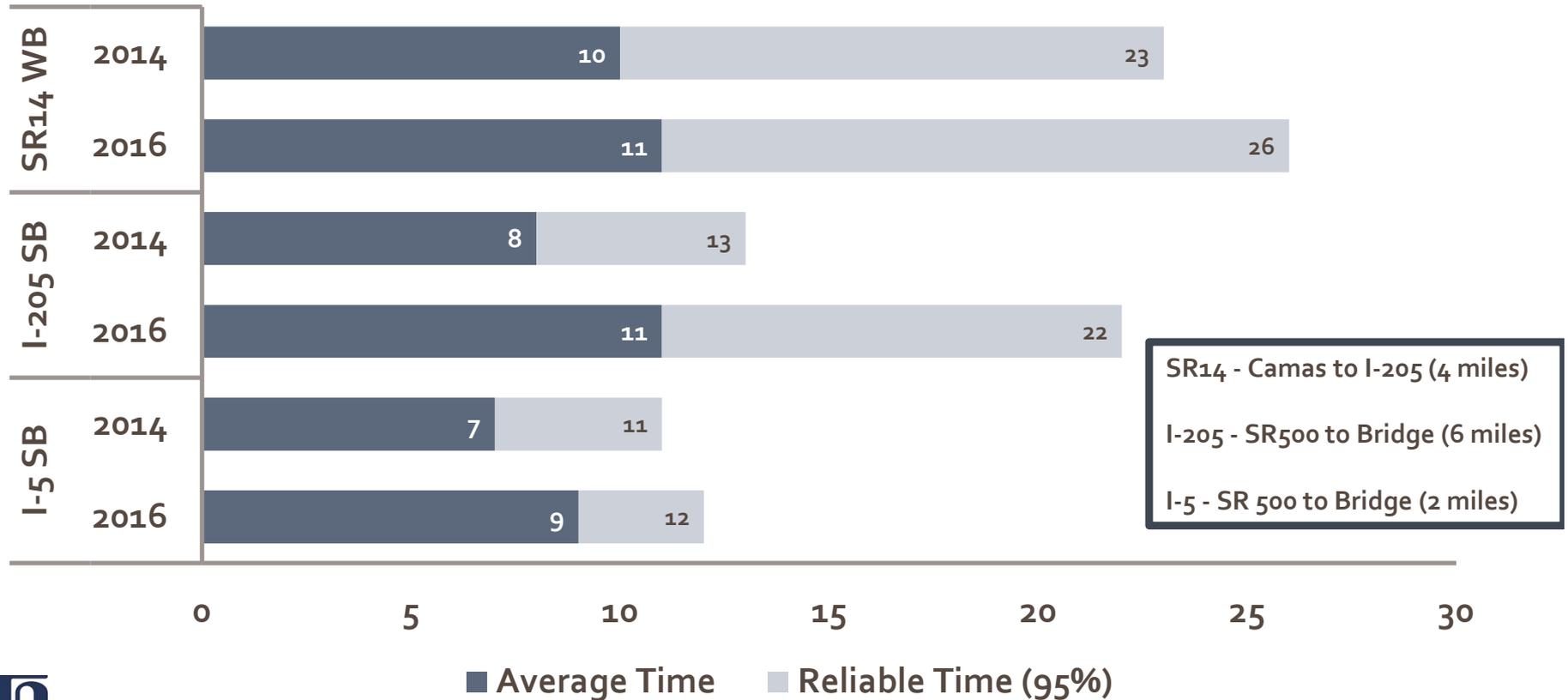
- 2016 Interstate Corridor Travel Speeds
- Southbound AM
- Northbound PM



Duration of Congestion (45mph or less) - AM Peak



Travel Time vs. Travel Reliability



Clark County: Non-state Roadways

- 2,200 centerline miles
- 1.7 billion annual VMT
- About 70% of centerline miles are classified as locals
- Within the Federal Urban Area Boundary
 - 230 centerline miles of arterials
 - 160 centerline miles of collectors

High Volume Arterials

1,500- 3,000 Vehicles in 2016 PM Peak Hour in Peak Direction

- West and East Mill Plain Blvd.
- NE 78th Street
- Padden Parkway
- SR 503
- 164th Ave
- 192nd Ave
- Fourth Plain
- Andresen Blvd.

Vehicle Volumes 2016 PM Peak

Congestion Management Process
Regional Transportation Council, April 2017



Highest Volume Intersections - 2016

Rank	East/West	North/South	Average Weekday Volume
1	Fourth Plain	SR-500	72,000
2	Mill Plain	Chkalov Dr.	71,000
3	SR-500	54 th Avenue	62,000
4	Mill Plain	136 th Avenue	61,000
5	Padden Parkway	State Route 503	61,000

Intersection Delay - 2016

- Fourth Plain/Andresen Rd. (northbound) – 256 seconds
- Fourth Plain/SR-500 (eastbound) – 180 seconds
- SR-500/42nd Av./Falk Rd. (eastbound) – 146 seconds
- Padden Parkway/NE 94th Av. (westbound) – 100 seconds
- 134th Street/NE 20th Av. (southbound) – 95 seconds

Intersection Delay 2016 PM Peak

Congestion Management Process
Regional Transportation Council, April 2017

Average Intersection Delay:

- Greater than 90 seconds
- Greater than 80 seconds
- Greater than 45 seconds
- CMS Corridors

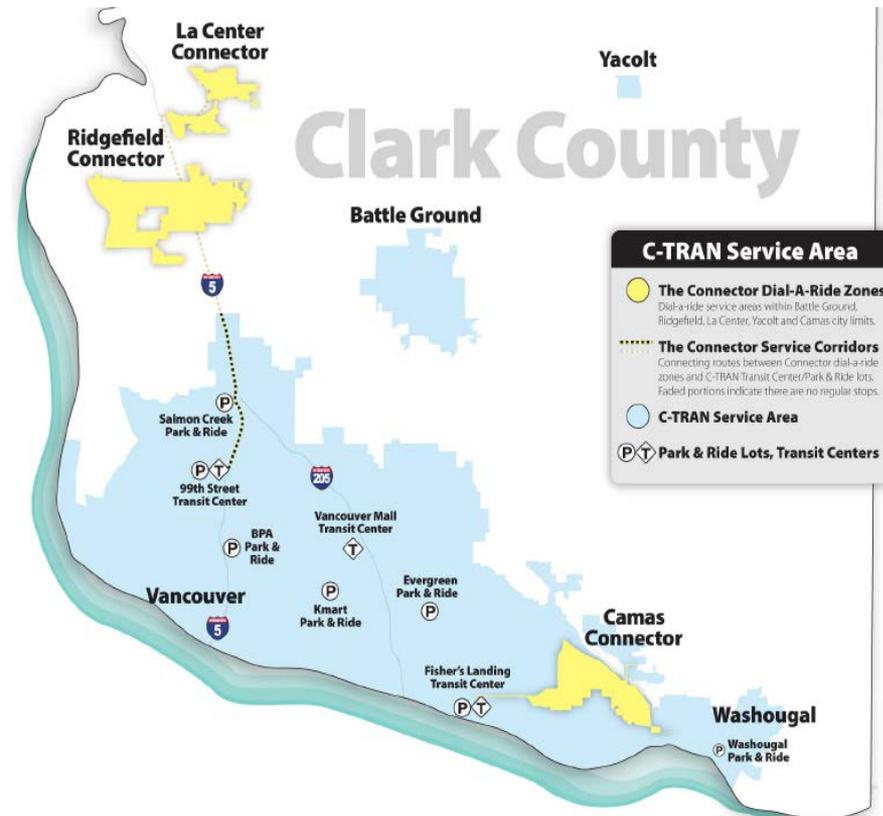




Public Transit

Public Transit: C-TRAN

- 3 Transit Centers
- 6 Park and Rides
- 945 bus stops
- 179 passenger shelters
- 79 "Simme" seats
- 4:30am to 9:30pm weekdays (with key routes until 13:30am)
- 7am to 8pm Saturday
- 8am to 7pm Sunday and Holidays



Public Transit: C-TRAN

- 1 BRT line
- 19 local urban lines
- 2 regional limited lines
- 7 premium commuter lines
- C-VAN paratransit service
- 3 “Connectors”
- Bi-monthly shopping shuttle



C-TRAN Ridership by Service Type: 2016

Service Type	Annual Riders	Percent
Urban/Local	4,798,278	80.8%
Commuter	778,400	13.1%
C-VAN	249,532	4.2%
Events/Other	30,635	0.5%
Connector	14,786	0.2%
Vanpool	68,864	1.2%
Total	5,940,495	100.0%

Other Public Transit

- Inter-city bus
 - Greyhound (Portland Station)
 - Skamania County: Skamania Senior Services
 - Cowlitz County: Lower Columbia River CAP
- Passenger Rail
 - Amtrak
- Human Service Council Transportation Brokerage
- Taxi Services
- Commercial Ride Sharing – Uber, Lyft, etc.

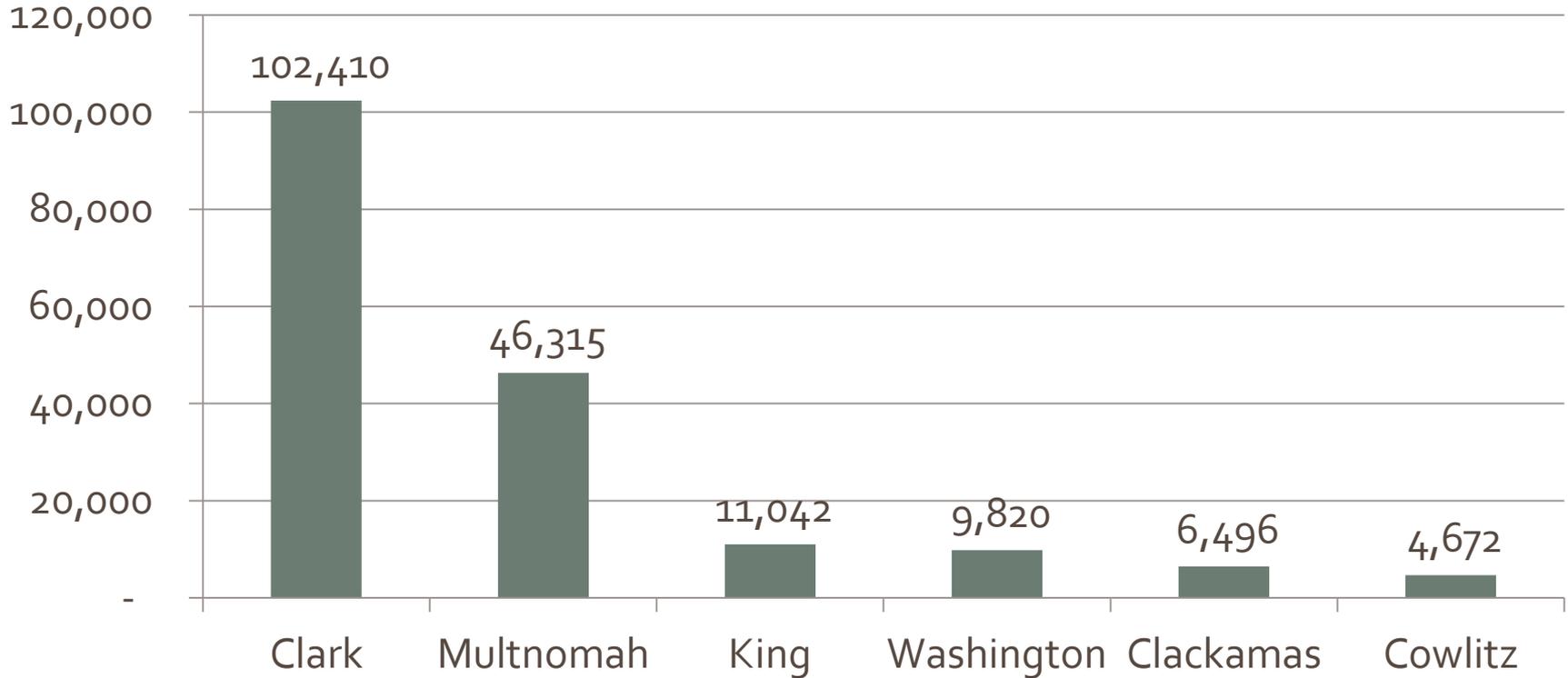


Travel to Work

Travel to Work – Clark County Residents

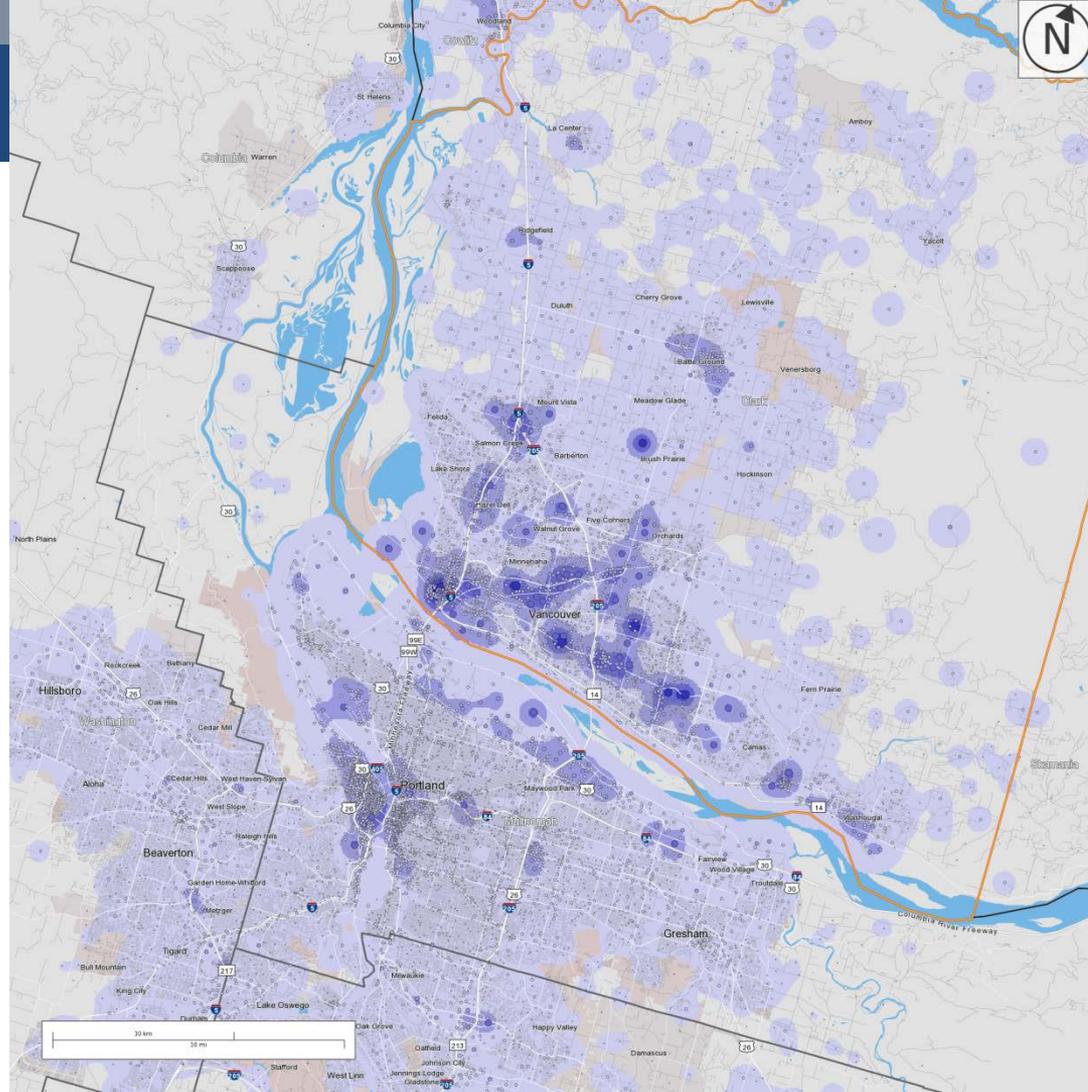
- **Mean Travel Time to Work = 25.30 minutes**
- **Commutes under 15 minutes = 24.2%**
- **Commutes of 45 minutes or more = 13.5%**
- **Commutes by transit, 45 minutes or more = 56.4%**
- **Depart for work between 5 – 9 am = 68.1% of all commuters**

Where do Clark County Residents Work?

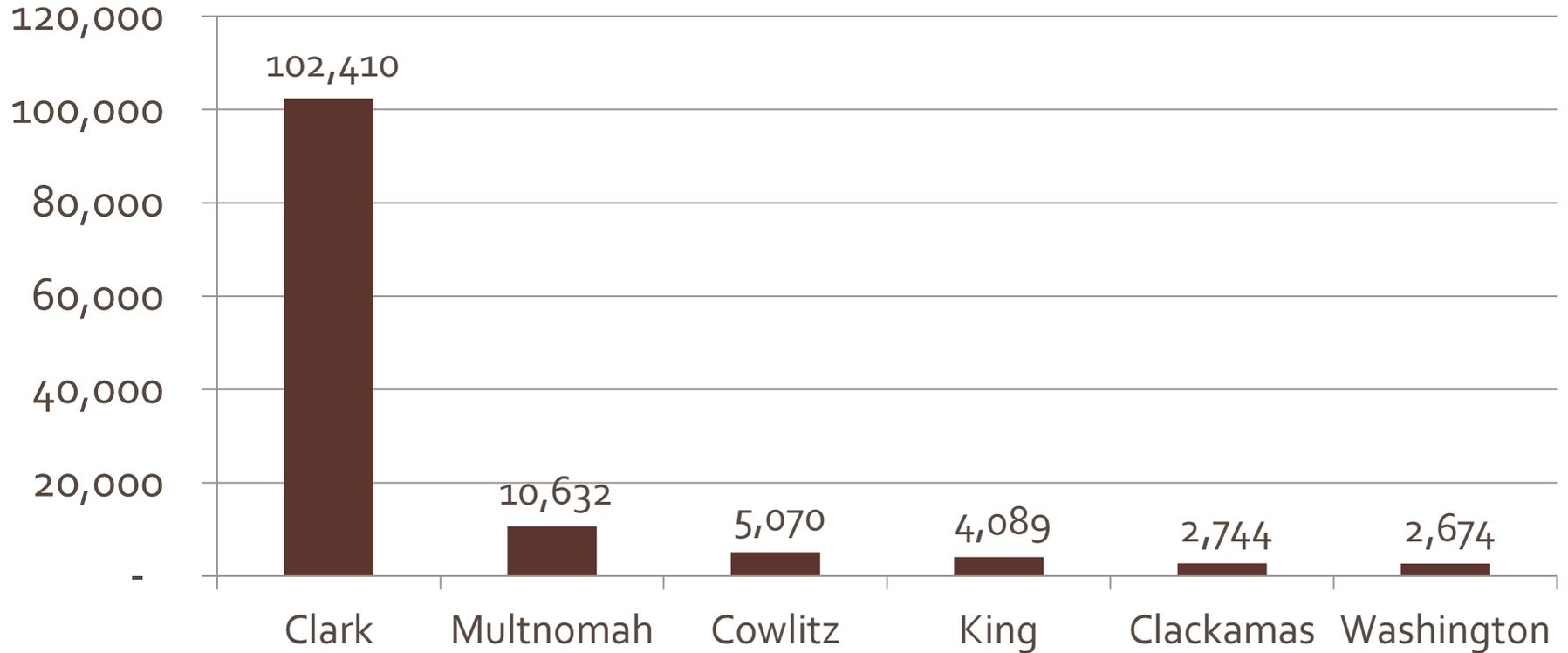


Work Locations

2015 Heat Map of Work Locations for Clark County Residents

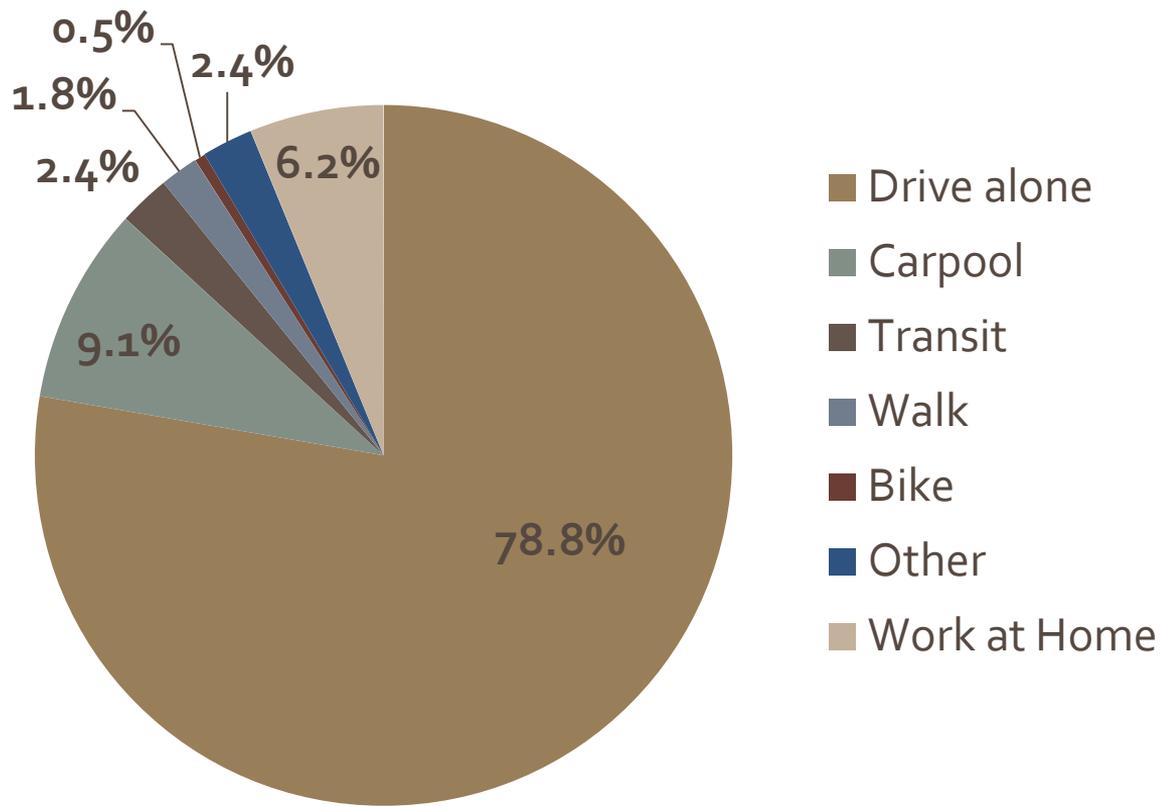


Home County of Those Commuting to Clark County Jobs



Travel to Work: Mode

- Since 1990, Work at Home share has nearly doubled – 3.3% to 6.2%
- Nearly 5% commute by non-motorized modes
- 24,600 (12%) do not use a car



Travel to Work: Transit Users

- 11.3% of Transit Commuters have no vehicle available to their household, while only 1.5% of all commuters have no vehicle
- 23.7% of Transit Commuters are minorities and while 17.9% of all commuters are minorities
- 13.3% of Transit Commuters live below the poverty line and while only 5.1% of all commuters live below the poverty line
- 60.9% of Transit Commuters work out-of-state

2018 RTP Update

Questions?