Washington State Joint Transportation Committee

Nondrivers: Population, Demographics, and Analysis

JTC Meeting
October 4, 2022

Presentation Overview

❑ Project Team

❑ Project Background

❑ Project Approach

❑ Work Plan & Timeline

❑ Analysis Steps

❑ Next Steps

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Project Team

- ❏ Consultant Team
  - ▪ Toole Design Group
  - ▪ Cascadia Consulting Group
  - ▪ Strategic Research Associates

- ❏ JTC Staff Workgroup
  - ▪ Barb Chamberlain, Director Active Transportation Division, WSDOT
  - ▪ Don Chartock, Deputy Director Public Transportation Division, WSDOT
  - ▪ Senate Transportation Committee staff, Jenna Forty
  - ▪ House Transportation Committee staff, Michael Hirsch
  - ▪ JTC staff, Paul Neal and Alyson Cummings (project manager)

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Project Background

❑ The Washington (WA) State Legislature directed the Joint Transportation Committee (JTC) to identify and analyze the demographics of WA nondrivers.

- Identification requires creation of a dataset detailing WA nondriver demographics.

- Analysis will include identifying how current transportation infrastructure and services serve nondrivers, and how that service meets people's needs for access to economic opportunity, recreation, education, and other aspects of community life.

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Project Approach

❑ Three main parts or steps:

1. Identify the different population groups that make up the nondrivers

2. Understand the mobility needs of the different nondriver groups through a market research survey

3. Understand the impact that the availability of transportation options has on the ability of nondrivers to access daily life activities

❑ Product:

▪ Publicly available interactive map and database

Work Plan & Timeline

TASKS	Week #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
	Week Start Date	7/11	7/18	7/25	8/1	8/8	8/15	8/22	8/29	9/5	9/12	9/19	9/26	10/3	10/10	10/17	10/24	10/31	11/7	11/14	11/21	11/28	12/5	12/12	12/19	12/26	1/2	1/9	1/16	1/23	1/30
Task 1: Identify Non-Driver Population									■																						
Task 2: Conduct Statewide Survey						Survey Design				Survey Fielding				Survey Evaluation																	
Task 3: Develop Non-Driver Population Database																						■									
Task 4: Analyze Impact of Transportation Options						Stakeholders											Focus Groups					■									
Task 5: Coordinate with Staff Workgroup					■																										
Task 6: Presentations																															
Workgroup Meetings (suggested schedule)						■			■			■		■				■													
Joint Transportation Committee (suggested schedule)													■										■					■		■
Task 7: Draft and Final Reports																						■							■		■

LEGEND

■	Progress Reports					
■	Draft and Final Reports		12/1			1/16	2/1
■	Staff Workgroup Meeting	8/11	9/7	10/12	11/16		
■	Presentation to JTC			10/4		12/15	1/16	2/1

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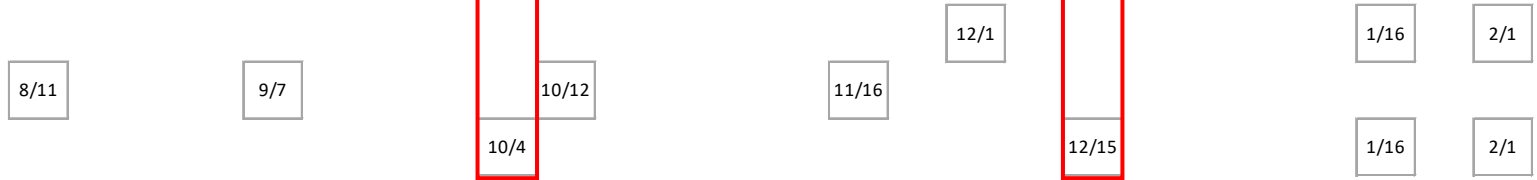
Step 1: Estimate the Nondriver Population

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Nondriver Population Groups

❑ Two groups of nondrivers

- Individuals without a drivers' license

  o Not old enough to get a license

  o Do not have a license

- Licensed drivers that do not own/lease a vehicle

  o Do not own or lease a vehicle

  o May have shared access to a vehicle

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Available Data

❑ U.S. Census Bureau

- 2020 Decennial Census

  o Total state population

- 2020 American Community Survey 5-year Estimates

  o Population demographics by census tract

  o Household socioeconomics by census tract

❑ U.S. DOT Federal Highway Administration (FHWA)

- Highway Statistics Series 2020

  o Driver's licensing data (reported by DOL)

  o Vehicle registration data (reported by DOL)

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State Population Overview

❑ Washington State Population

   ▪ 7.7 million residents

   ▪ 6.3 million age eligible for a license[1]

   ▪ 5.8 million licensed drivers[2]

   ▪ Nondriver Population Groups (% of total state population)

      o 1.4 million not old enough to drive (18%)

      o 0.5 million aged 15 years old and older do not have a license (6%)

      o 0.4 million aged 15 years old and older without a household vehicle (5%)[3]

[1] Includes 15 years old and over
[2] Includes restricted and graduated licenses
[3] Members of a zero-vehicle household

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Vehicle Ownership Overview

❑ Registered Vehicles in Washington State

- 7.2 million vehicles

- About 6.1 million used as private vehicles[1,2]

- 0.96 private vehicles per age eligible driver

- 1.14 private vehicles per licensed driver

[1] Excluding buses, taxis, motorcycles and trucks used for commercial purposes
[2] The trucking industry estimates that 24% of trucks are used for commercial purposes

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Step 2: Conduct a Market Research Survey

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Survey Goal

Gather state-wide information from Washington's nondrivers about their available transportation options.

- **Motivations:** What are the reasons nondrivers do not drive?

- **Mobility:** How do nondrivers get around?

- **Access:** How do nondrivers access daily life activities?

- **Impact:** What, if any, are impacts of transportation options on access to daily life activities?

- **Demographics:** What are the demographic characteristics of the nondriver population?

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Survey Development

❑ Survey development

  ▪ Phone and online survey

  ▪ County and regional sampling goals

  ▪ Balance King County with rest of the state

  ▪ Capture needs of smaller cities, rural, and tribal areas

❑ Focus groups

  ▪ Represent key nondriver groups

  ▪ Further exploration of survey findings

  ▪ Connect with analysis of impact of transportation options (Step 3)

How easy or difficult is it to access the following activities?

	Very easy to access	Somewhat easy to access	Somewhat difficult to access	Very difficult to access	Not possible to access	I can access without traveling	I don't need to access	I prefer not to say
Social/family/spiritual	○	○	○	○	○	○	○	○
Child/dependent care	○	○	○	○	○	○	○	○
Recreational (e.g., parks, library, cinema)	○	○	○	○	○	○	○	○
Education/Employment	○	○	○	○	○	○	○	○
Food/groceries	○	○	○	○	○	○	○	○
Medical/health care (including mental and dental health)	○	○	○	○	○	○	○	○
Other	○	○	○	○	○	○	○	○

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Step 3: Analyze the Impact of Transportation Options

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Daily Life Activities

- Services

- Economic Opportunity

- Recreation

- Education

- Other Aspects of Community Life

Availability of Transportation Options

❑ Travel Options

- Private vehicle (baseline)
- Public transportation services
- Special-needs transportation services
- Walking and biking

❑ Availability

- Geographic coverage
- Time of day coverage

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Next Steps

❑ Finalize market research survey

❑ Analyze impact of transportation options

❑ Build nondriver population database & interactive map

❑ Compile and deliver draft report

▪ December 1, 2022

❑ Present to JTC the draft final report:

▪ December 15, 2022

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Questions?