

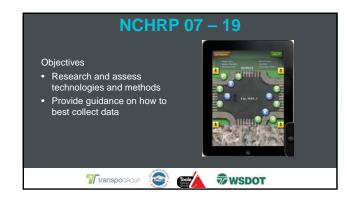
Session Panel

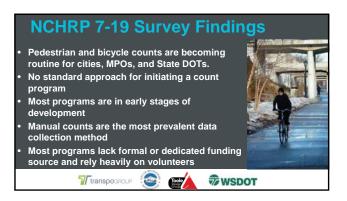
Patrick Lynch, AICP - Transpo Group Michael Hintze, AICP - Toole Design Group Paula Reeves, AICP, CTP - WSDOT Chris Comeau, AICP - City of Bellingham Adam Parast, EIT - Transpo Group

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Data and Performance Mea	sures
Data from Texas Transportation Institute (TTI) Urban Congestion Report 2011	
Minneapolis/Saint Paul 2007 - 2010	Trend
 Total lane miles of arterial and freeway system 	UP 2.3%
Total population	UP 4.2%
Total peak period commuters	UP 5.7%
 Total VMT on arterial and freeway system 	
Total Congested Travel	
Data from Bike Walk Twin Cities Fall Bicycle and Pedestrian Count Report	
Peak hour bicycling	
Peak hour walking	
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Overview – Key Points

- Who we are WSDOT Local Programs
- Why we measure biking and walking

• Manual counting – how we do it and what we have learned

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WSDOT's Local Programs Division

We provide educational, technical, and financial support with federal oversight to local customers to help them achieve their transportation goals...

- We are stewards of federal transportation funding
- We provide technical expertise and services related to federal and state requirements.
- We promote cooperative planning and partnerships.





Other reasons for counting bicyclists and pedestrians...

Beyond the main reason – They are important users of the transportation system...

- Current national surveys are inadequate
- No statistically valid state survey data exists
- Regional household surveys vary greatly

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American Community Survey Question: How did this person usually get to work LAST WEER? If this person usually used more than one method of transportation during the trip, mark the box of the one usually used.

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method of transportation during the trip, mark the box of the one usually used. (most of the distance or most of the time)

WSDOT's Bicycle and Pedestrian Documentation Project Modeled after the National Bicycle and Pedestrian Documentation Project and FHWA Non-Motorized Pilot Program Annual – statewide – mostly manual – volunteer based Started in 2008 (6 years) AM/PM peak periods (7-9 am, 4-6 pm)

10% increase since 2008 – tracks with ACS and NHTS

80+ locations counted
 in 23 cities consistently

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	#3 – Site	Background Data	a Collection
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Background Data Sheet							
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Count Location:	-						
CHY:	1					Type of facility:	
Type of Facility:	1	2		4	5	1 = paved multi use path at least 8 feet wide 2 = unpaved trail	
Type of Setting	1	3				3 = bike lane with standard signing and striping 4 = signed bike route	
Scenic Quality:	1	1				5 = street or road with marked shoulders (min. 2 feet wide 6 = street or road with no shoulders or less than 2 feet wide	
Surrounding land uses (within 1 to 2 miles):	1	2		4	\$	7 = sidewalk (at least 4 feet wide) II = unimproved (dirt, gravel) shoulder	
Schools, parks, visitor destinations adjacent or close to facility:	1	2		4		iii = unimproved (ort, gravel) shoulder	
Quality of connecting facilities (paths, bike lanes, routes)	1	2		4	_		
Length of facility:	1	2					
Access	1	,		4			
Quality of overall network:	1	2					
Traffic volumes (ADT) of adjacent read:	1	2		4	_		
Traffic speeds (posted) of adjacent roads:	1	,		4	\$		
Crossings and intersections (average number per linear feet):	1	2		4	5		
Crossing and Intersection traffic:	4	2		4			
Crossing and Intersection protection:	1	2		-			
Cundition	1	2	_		_		
Topography:	1.		1		-	SDOT Washington Blate Department of Transportatio	





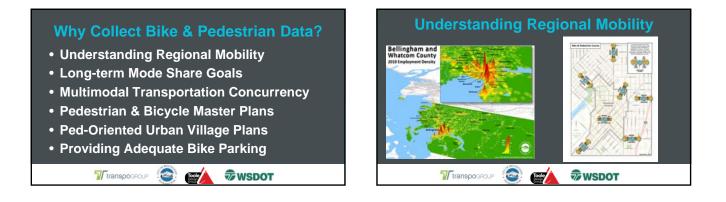


Next Steps

- Starting another 5 year cycle of manual data collection
- In collaboration with Portland State University, reviewing and proposing improvements to the process
- Initiating research to develop risk exposure rates for bicyclists and pedestrians – using counts and safety data

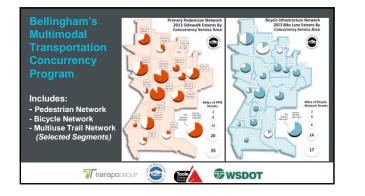
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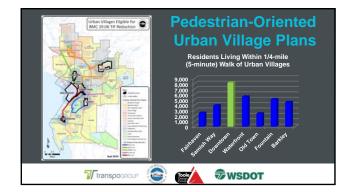


Measures of Mode Share					
share of pede reduce auton	IG-28: Set target goals to increase the mode share of pedestrian, bicycle, and transit trips and reduce automobile trips as a percentage of total rrips, as listed below.		2022 Mode Share Goals		
Mode	2004	2010	2015	2022	6%
Automobile	87%	84%	80%	75%	Auto 75%
Transit	2%	3%	4%	6%	
Bicycle	3%	4%	5%	6%	<u> </u>
Pedestrian	8%	9%	11%	13%	
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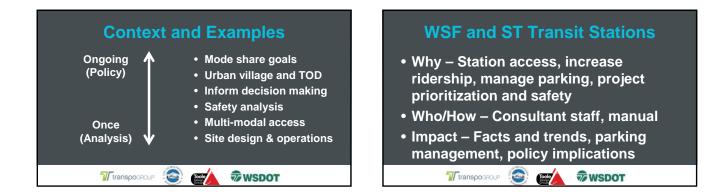


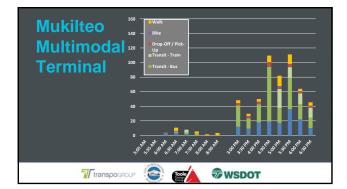




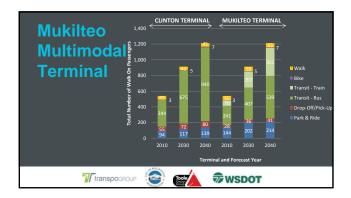




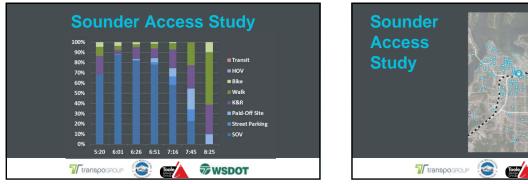








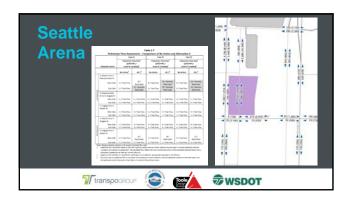




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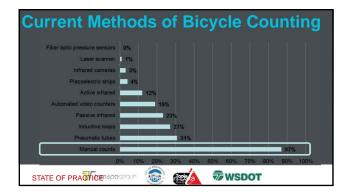






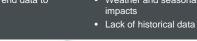




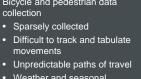




Data Collection Challenges Motor vehicle data collection Bicycle and pedestrian data collection • Widely collected · Easy to track vehicle • Sparsely collected movements movements • Predictable patterns and routes • Years of trend data to • Weather and seasonal analyze

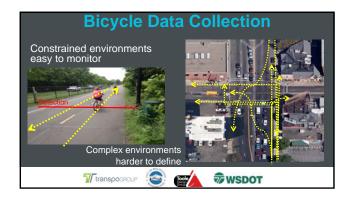


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- National Bicycle and Pedestrian Documentation Project 2003
 Pedestrian and Bicycle Data Collection Guide 2005

- TRB Bicycle and Pedestrian Data Subcommittee 2011
 Traffic Monitoring Guide update 2013
 NCHRP 7-19 Spring 2014



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Resources		
National Bicycle Pedestrian Documentation Project		
http://bikepeddocumentation.org/		
Traffic Monitoring Guide		
http://www.fhwa.dot.gov/policyinformation/tmguide/		
Transportation Research Board Bicycle and Pedestrian Data Subcommittee		
https://sites.google.com/site/bikepeddata/		

Resources... WSDOT's Websites

http://www.wsdot.wa.gov/Bike/count.htm http://www.wsdot.wa.gov/Walk http://www.wsdot.wa.gov/LocalPrograms/Planning

Contact Us...

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