

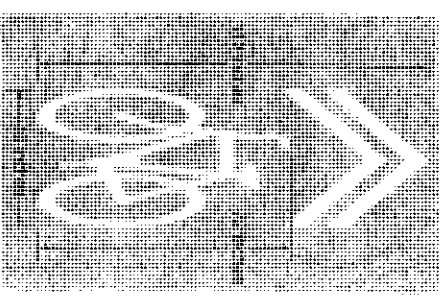
# Washington County *Update on Bicycle Tool Kit Development*



# Bicycle Tool Kit

*Gather background information.....*

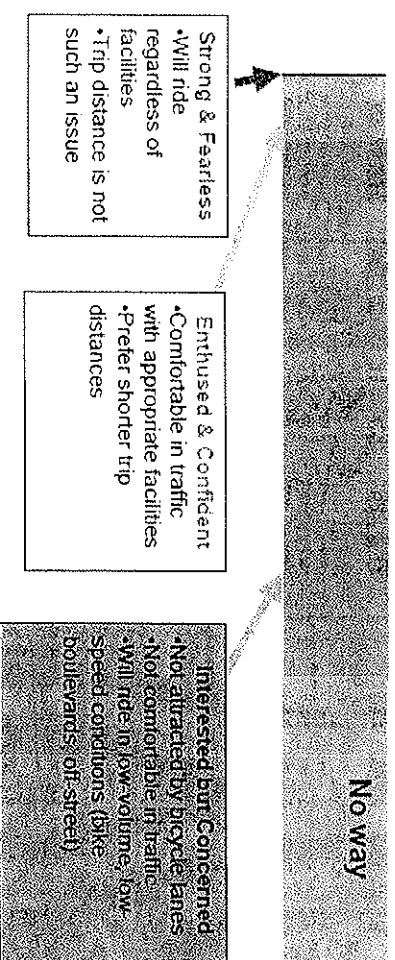
- Working Paper #1 - review of existing design guidance and treatment selection for bicycle facilities
- Working Paper #2- review of existing best practices from peer groups and examples of criteria used to apply bicycle treatments and facilities



# Bicycle Tool Kit

- Which bicycle facility treatments best support bicyclists in Washington Co.?

## Types of Transportation Cyclists



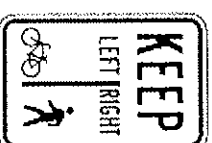
- What are the issues for design-implementation of the various treatments?

# Bicycle Tool Kit

*Engage and collect comments.....*

## LUT Divisions

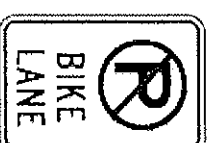
City Agencies and Park Districts



## Focus Groups-Stakeholders

TVFR

Beaverton School District



TriMet

Bicycle Advisory Committee Representatives

Freight

Westside Transportation Alliance

BTA

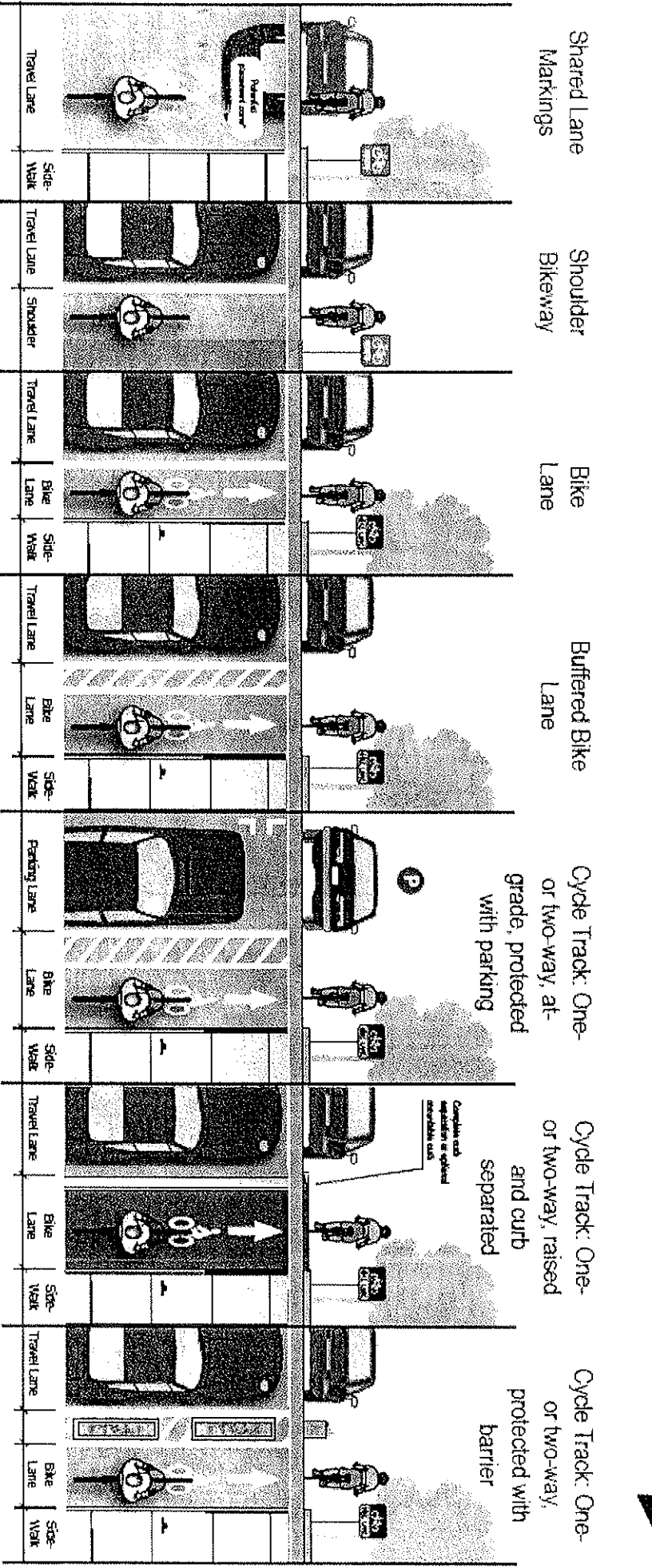
Wash County BTC



# Bicycle Toolkit

least protected

most protected



Shared Lane Markings

Shoulder Bikeway

Bike Lane

Buffered Bike Lane

Cycle Track: One-way, grade, protected with parking

Cycle Track: One-way, raised and curb separated

Cycle Track: One-way, protected with barrier

Travel Lane

Side-Walk

Travel Lane

Shoulder

Travel Lane

Bike Lane

Side-Walk

Travel Lane

Bike Lane

Side-Walk

Travel Lane

Parking Lane

Bike Lane

Side-Walk

Travel Lane

Bike Lane

Side-Walk

Travel Lane

Bike Lane

Side-Walk

- Shared Lane Markings
- Colored Bike Lanes
- Bicycle Signal
- Two-Stage Left Turn Queue Boxes
- Intersection Crossing Markings
- Bike Box
- Wayfinding Signage
- Lighting



# Facility Selection Factors

*What criteria or factors do we want to use to select facilities for application in the County transportation system?*

Stage in Project Development	Route Selection	Project Prioritization	Facility Type Selection	Detailed Design
Land Use	X	X	X	
User Preference/Level of Separation			X	X
Freight/Emergency Services Route		X	X	X
Transit Route		X	X	X
Road Classification	X	X	X	
Road Geometry/Sight Distance				X
Average Travel Speed	X	X	X	
Average Traffic Volume	X	X	X	
Bicyclist Volume/Demand	X	X	X	
Available ROW			X	X
On-Street Parking			X	X
Number of Accessways			X	X
Intersection Spacing and Traffic Control			X	X
Serves a Regional Destination	X	X		





# Facility Selection Process

## Application:

- Project Concept-Corridor Planning
- Preliminary Engineering
- Transportation System Plan

## Evaluation:

- Facility Selection Criteria
- Engineering Judgment
- More than one facility may be appropriate

# Bicycle Tool Kit

- Presentation to WCCC and TAC
- Draft Tool Kit
- Draft Facility Selection Process
- Test Selection Process on sample projects/locations
- Collect Comments-Refine
- Final Tool Kit and Evaluation Process
- Recommendations – Implementation

