Pedestrian and Bicycle Improvements in Indian Country

Rural Bike Design

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WSDOT Policy Changes

• New Strategic Plan
• Practical Solutions Reform
• Design Manual Update
  • Performance- and Context-Based Procedural Policy
  • Geometric Cross-Section Technical Policy
• Roadway Bike Facilities Technical Policy

Image from http://www.pedbikeimages.org/ - Bob Boyce
WSDOT Policy Changes

2006 Mission Statement:

The mission of WSDOT is to keep people and business moving by operating and improving the state’s transportation systems vital to our taxpayers and communities.

Current Mission Statement:

Washington State Department of Transportation provides and supports safe, reliable and cost effective transportation options to improve livable communities and economic viability for people and businesses.
Design Evolution

Context Complexity – What’s Rural?

State Route 155

Nespelem, WA and State Route 155
Top Photo:
- US 2
- Davenport, WA
- Incorporated City
- Rural Principle Arterial

Bottom Photo:
- Mountain View Ave.
- Ellensburg, WA
- Incorporated City
- Urban Minor Arterial
Design Evolution
Main Street State Highways

Toppenish, WA – State Route 22
Design Evolution
User Context

Exhibit 1520-6a  Bicycle Facility Selection Chart – Interested, but Concerned Cyclists

From WSDOT Design Manual Chapter 1520 – Bike Facility Selection
Design Evolution
User Context

Exhibit 1520-6b  Bicycle Facility Selection Chart – Confident Cyclists

From WSDOT Design Manual Chapter 1520 – Bike Facility Selection
Design Evolution
Setting the Conditions for Success

Target a compatible motor vehicle speed and manage it by design

*grade, bike tech, fitness level and rider type dependent
Design Evolution
Setting the Conditions for Success
Design Evolution
Setting the Conditions for Success

Source: www.contextsensitivesolutions.org

If you need a sign to tell people to slow down, you designed the street wrong. #slowthecars
Design Evolution
Balancing Modal Performance
Design Evolution
Balancing Modal Performance
New Guidance

Draft Images provided courtesy of Alta Planning and Design
Questions?

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Resources

- [WSDOT Design Manual](#)
- [Separated Bike Lane Planning and Design Guide](#)
- [Incorporating On-Road Bicycle Networks into Resurfacing Projects](#)
- [Pedestrian & Bike Info Center](#)
- [Urban Bikeway Design Guide](#)
- [BIKESAFE](#)

Coming Soon:
Small Towns and Rural (STAR) Multimodal Networks Guide