

SR 285 COUPLET WENATCHEE

CHARACTERISTICS

Segment Description:

SR 285 Couplet runs parallel to SR 285 through downtown Wenatchee.

County/Counties: Chelan

Cities/Towns Included: This corridor runs through Wenatchee.

Number of lanes in the corridor: 2 to 4

Lane width: 12 to 12 feet.

Speed limit: 30 to 30 mph.

Median width: 0 to 0 feet.

Shoulder width: 0 to 0 feet.

Highway Characteristics:

This urban principal arterial has a T-2 freight designation. Most of the corridor is one-way.

Special Use Lane Information (HOV, Bicycle, Climbing):

None identified.

Access Control Type(s):

SR 285 Couplet is Class 5 Managed Access.

Terrain Characteristics:

This corridor has level terrain.

Natural Features:

There is access to city parks adjacent to the Columbia River and accompanying bike paths.

Adjacent Land Description:

SR 285 couplet is adjacent to commercial businesses.

Environmental Issues:

There is the potential for impacting historical properties. Being an urban corridor, there is noise and other societal impacts to consider.

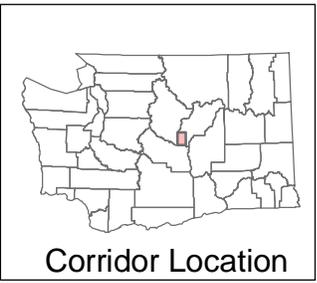
Major Economic Issues:

The corridor is part of a larger corridor that includes the 285 corridor (the couplet is a one way route connecting to the 285 corridor on each end. This corridor has an important role in Wenatchee's economic development and freight movement.

HSP Congested
Corridor Analysis
Characteristics



- Milepost Marks
- █ HSP Corridor Location
- U.S. Interstate
- U.S. Highway
- State Route
- Local Roads
- Railroad
- █ Wetlands
- ▨ Military Reservation
- ▨ Tribal Lands
- ▭ City Limits
- ▭ Urban Area
- ▭ County Line



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SR 285 COUPLET WENATCHEE

ASSETS

Pavement:

There are 4.95 lane miles of Hot Mix Asphalt on this segment of SR 285.

Signal:

There are 10 signalized intersections in Wenatchee maintained by the city.

Structures:

There are no structures identified.

(Ramps, and locally owned structures (if any exist) are not identified in this section and may not be reflected on maps.)

Features Crossed:

There are no features crossed.

ITS Facilities:

There are no intelligent Transportation systems on this corridor.

Railroad Crossings:

There are no at-grade rail crossings within this route segment.

Asset Other:

NONE IDENTIFIED.

HSP Congested Corridor Analysis

Assets



- HSP Corridor Location**
- Assets**
 - Signalized Intersection
 - At Grade Railroad Crossings
 - Bridge
 - Ferry Terminals
 - Ferry Route
 - Park and Ride
 - Weigh Stations
 - Rest Area Sites
- Corridor Pavement Type**
 - HMA
 - BST
 - PCCP
- Other Features**
 - U.S. Interstate
 - U.S. Highway
 - State Route
 - Local Roads
 - Railroad
 - Military Reservation
 - Tribal Lands
 - City Limits
 - Urban Area
 - Airport
 - County Line

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SR 285 COUPLET WENATCHEE

USAGE

General Origin and Destination Travel Characteristics:

Much of the traffic using the SR 285 couplet is local. The corridor provides access to numerous businesses as well as outlying residential areas and recreation. Some traffic crosses the Columbia River to/from Wenatchee/East Wenatchee as well as accessing I-90 and the communities along SR 28. The route serves local freight movement as well as Quincy, Ephrata, Moses Lake and I-90.

Snow/ice Issues:

Snow/ice issues are handled by the City of Wenatchee.

Annual Average Daily Traffic:

Ranges from 11,000 to 21,000.

Significant Seasonal Average Annual Daily Traffic Changes:

Minimal seasonal variations along the corridor.

General Description of Major Average Annual Daily Traffic Locations:

The couplet begins with a one block section of two directional traffic carrying annual average daily traffic of 21,000 vehicles. The remainder of the corridor is a one-way street with volumes between 11,000 to 14,000.

Freight:

Freight Classification: T2

Yearly Tonnage: 1.7M

Truck Percentage of Annual Average Daily Traffic: 3%

Additional Usage Comments:

There are no additional comments.

Average Annual Societal Cost of All Collisions: Approximately \$2.52M

Collisions:

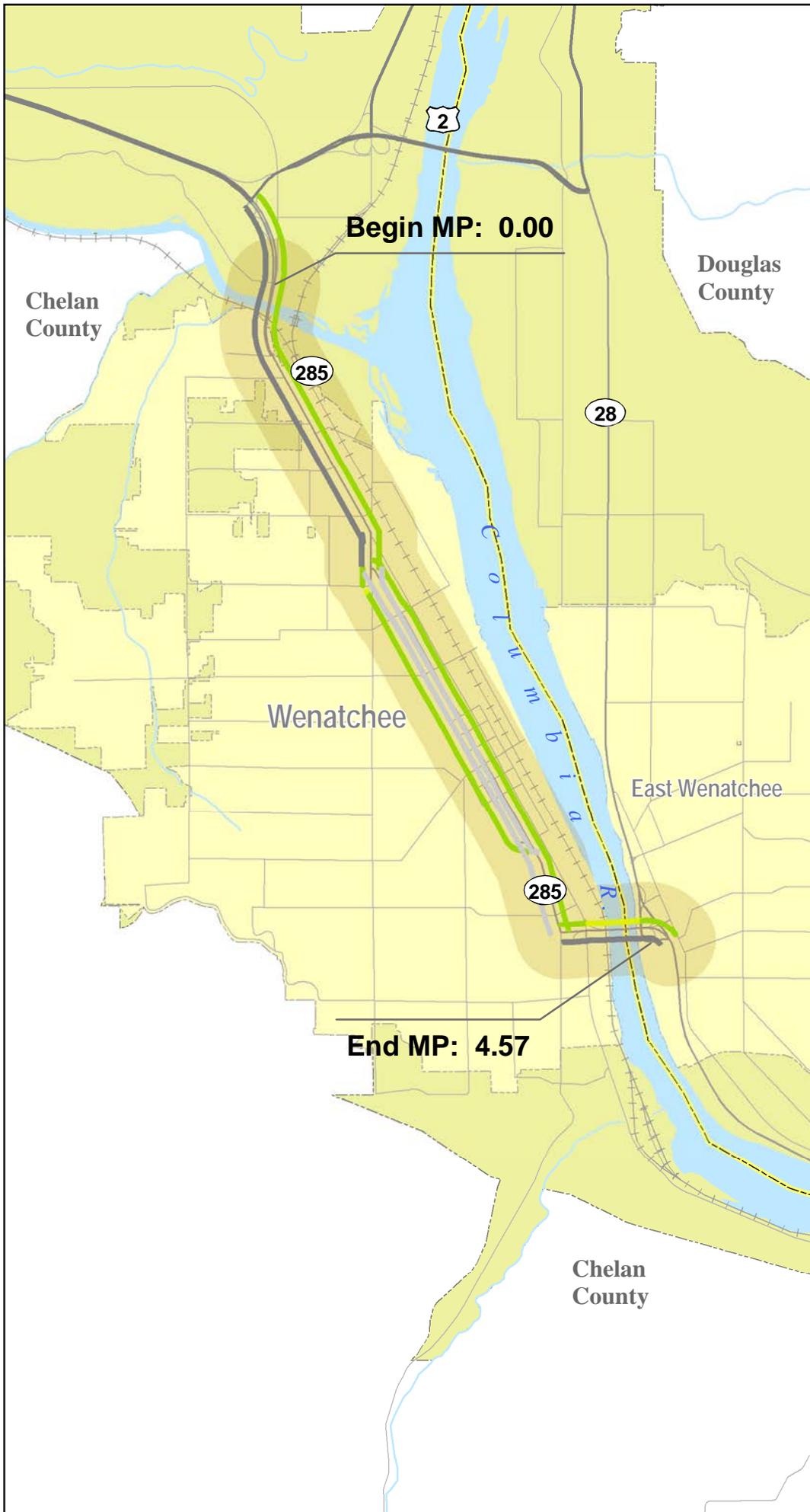
Severe No of Collisions: 4

Less Severe No of Collisions: 180

List Data Years: 2003 to 2005

HSP Congested Corridor Analysis

Usage



- HSP Corridor Location
- Safety Analysis Areas**
- PAL Spot 07-09
- PAL Corridor 07-09
- HAC 07-09
- HAL Corridor 07-09
- HAL Spot 07-09
- Freight Classification**
- T-1
- T-2
- T-3
- Traffic Sections AADT**
- < 3,000
- 3,001 - 10,000
- 10,001 - 20,000
- 20,001 - 40,000
- 40,001 - 80,000
- 80,001 - 100,000
- 100,001 - 120,000
- > 120,000
- Trucks 10% and Over
- Other Features**
- U.S. Interstate
- U.S. Highway
- State Route
- Local Roads
- Railroad
- Tribal Lands
- Military Reservation
- City Limits
- Urban Area
- County Line

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NEEDS AND STRATEGIES

Preservation

Pavement Condition and Needs:

Will follow the objectives of the Washington Pavement System.

Pavement Management Strategies:

Will follow the objectives of the Washington Pavement System.

Structures Condition and Needs:

There are none identified. (This may include ramps and locally owned structures if any exist.)

Structures Management Strategies:

There are none identified.

Additional Condition and Needs:

There are none identified.

Additional Management Strategies:

There are none identified.

Improvement

Mobility Condition and Needs:

There are none identified.

Mobility Management Strategies:

There are none identified.

Safety Condition and Needs:

High Accident Location from MP 4.10 to 4.38.

Safety Management Strategies:

This section is in downtown Wenatchee and is the City responsibility.

Environmental Condition and Needs:

There are none identified.

Environmental Management Strategies:

There are none identified.

Restrictions:

There are none identified.

50-Year Configuration:

None Identified.

HSP Congested Corridor Analysis Needs



- HSP Corridor Location
- Bridge Priorities**
 - Replacement
 - Special
 - Seismic
 - Scour
 - Painting
 - Miscellaneous
 - Bridge Deck
- Other Bridge Issues**
 - 2 Lane BW Narrow Bridge
 - Restricted Bridge
 - Posted Bridge
 - Vert. Clearance < 15.5'
- Unstable Slope**
 - Debris Flow
 - Erosion
 - Landslide
 - Rockfall
 - Settlement
- Fish Passage Barriers**
 - Require Repair
 - Little Gain
 - Undetermined
- Paving Due**
 - Past Due
 - 2005 - 2007
 - 2008 - 2009
 - 2010 - 2011
 - 2012 - 2026
- Other Features**
 - U.S. Interstate
 - U.S. Highway
 - State Route
 - Local Roads
 - Railroad
 - Military Reservation
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TIERED PROPOSED SOLUTIONS

Minimum Fix

Description:

No minimum fix proposed - See maximum fix.

Delay Reduction: None identified.

Collision Reduction: None identified.

Deficient Concrete Lane Miles: None identified.

Total Estimate Cost: None identified.

Cost Estimate Explanation:

None Identified.

Minimum Fix Benefits:

None Identified.

Moderate Fix

Description:

No moderate fix proposed - See maximum fix.

Delay Reduction: None identified.

Collisions Reduction: None identified.

Deficient Concrete Lane Miles: None identified.

Total Estimate Cost: None identified.

Cost Estimate Explanation:

None identified.

Moderate Fix Benefits:

None identified.

Maximum Fix

Description:

Additional (third) Columbia River Crossing. Western Avenue Extended (\$70M includes Sunnyslope I/C)

Delays Reduction: None identified.

Collisions Reduction: None identified.

Deficient Concrete Lane Miles: None identified.

Total Estimate Cost: \$260 M for a third undercrossing and \$70 M to extend Western Avenue.

Cost Estimate Explanation:

Previous design analysis.

Maximum Fix Benefits:

Provide alternative traffic corridors for traffic entering or leaving Wenatchee to East Wenatchee or to the West.

SR 285 COUPLET WENATCHEE

Off-System Solutions:

None identified.

Special Studies/Reports:

None identified.

Required Studies

None Identified.

Start/Completion Date of Study:

None identified.

Expected Results

None identified.

Funded Projects within Corridor Limits

Project No	Title
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None identified.

Additional Comments:

None identified.

Data Sources and Contacts used:

TRIPS State Highway Log

TRIPS Roadway Classification Log

TRIPS Standard Accident History Report

TRIPS State Highway Miles and General Purpose Lane Miles

2002 Bridge List

TDO/Ruth Decker - 2005 FGTS (2004 data)

HSP Congested Corridor Analysis Solutions



- HSP Corridor Location
- Solutions**
- Tier 1
- Tier 2
- Tier 3
- U.S. Interstate
- U.S. Highway
- State Route
- Milepost Marker
- Local Roads
- Railroad
- Military Reservation
- Tribal Lands
- City Limits
- Urban Area
- County Line

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