

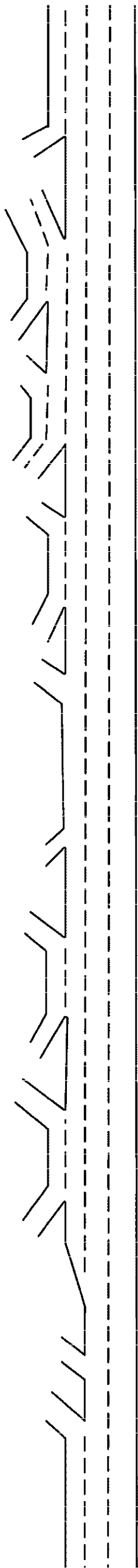


**EXISTING I-5 BIA MAINLINE AND RAMP TRAVEL PATTERNS
FOR INTERNAL USE ONLY
April 6, 2006**

The purpose of the memorandum is to provide a graphical representation of I-5 mainline and ramp travel patterns presented in the February 27, 2006 memorandum titled "Existing and Forecast I-5 Travel Demands." The memorandum introduced two-hour mainline ramp travel patterns based on license plate surveys conducted in October 2005. Tables 1 and 2 from the memorandum summarized trip pattern data for all I-5 on-ramps and off-ramps in the Bridge Influence Area.

The attached charts show select links summarizing the entering and exiting location of all vehicles that cross that selected link for each ramp and mainline segment within the I-5 Bridge Influence Area. The southbound direction displays two-hour AM peak period volumes and the northbound direction displays two-hour PM peak period volumes.

These charts have also been prepared for use in an interactive portable document file (PDF). The first chart displays both the northbound and southbound BIA corridors. To display a specific ramp select link, please click on the name of the ramp to be displayed. To select a mainline segment, click on the area between the ramp names and the select link chart will be displayed. To return to the overall all corridor figure displaying both northbound and southbound directions, select the "BACK" button in the lower right hand corner.



39th OFF

SR-500/39th St ON

4th Plain OFF

4th Plain ON

Mill Plain OFF

Mill Plain ON

SR-14 OFF

SR-14/Washington St ON

Columbia River

Jantzen Beach OFF

Jantzen Beach ON

Marine Drive OFF

Marine Drive ON

Interstate Ave/Victory OFF

Victory Blvd ON

Columbia Blvd ON

39th St ON

SR-500/39th OFF

4th Plain ON

Mill Plain ON

Mill Plain/4th Plain OFF

SR-14 ON

City Center OFF

SR-14 OFF

Columbia River

Jantzen Beach ON

Jantzen Beach OFF

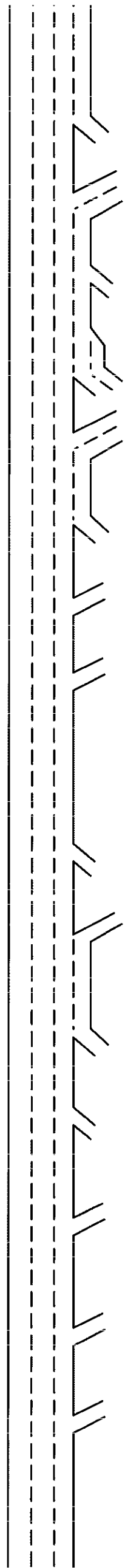
Marine Drive ON

Interstate Ave/Victory ON

Marine Drive OFF

Victory Blvd OFF

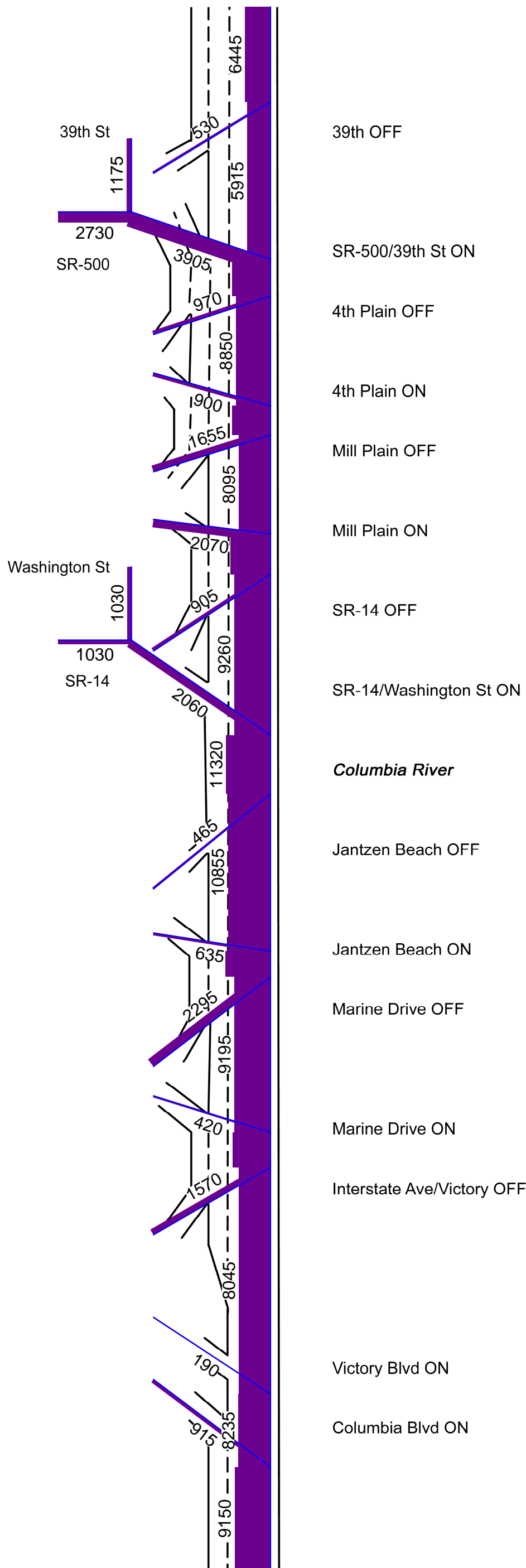
Columbia Blvd OFF



2 Hour AM Volume

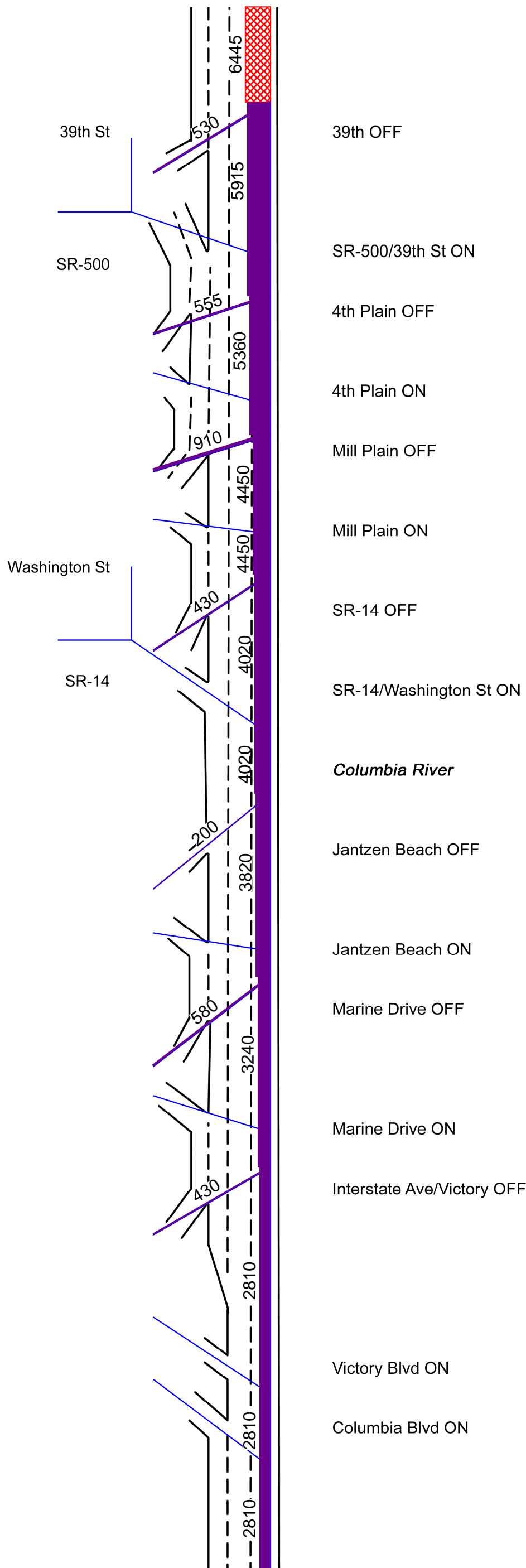
2 Hour PM Volume

VISUM 9.35	Columbia River Crossing Project	BIA Existing Vols
4/5/200604/05/06	I-5 Bridge Influence Area	

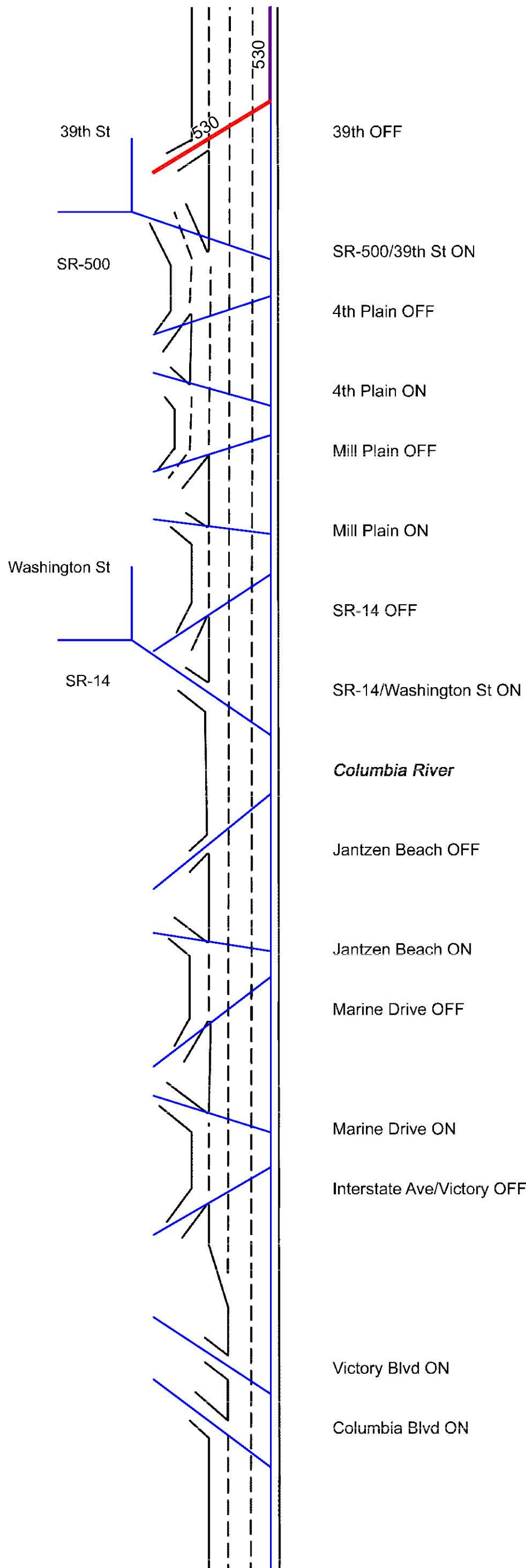


2 Hour AM Volume

VISUM 9.35	Columbia River Crossing Project	Southbound_Existing_Vols
4/3/2006	2005 Existing Southbound Volumes - Total	

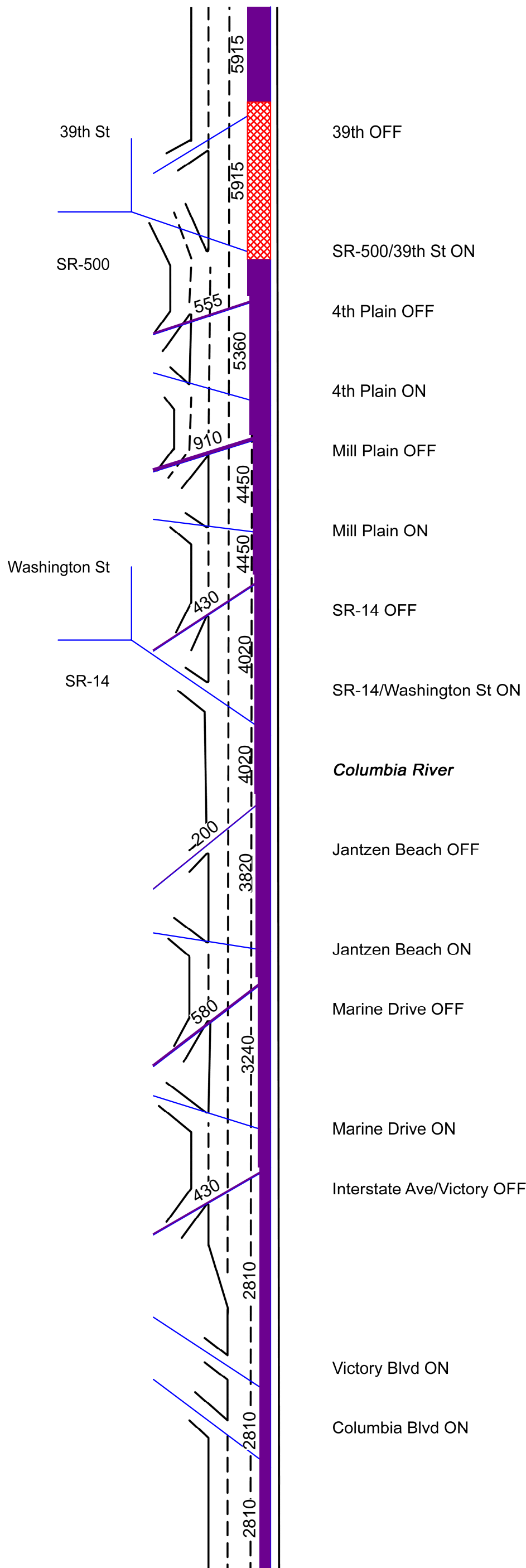


2 Hour AM Volume



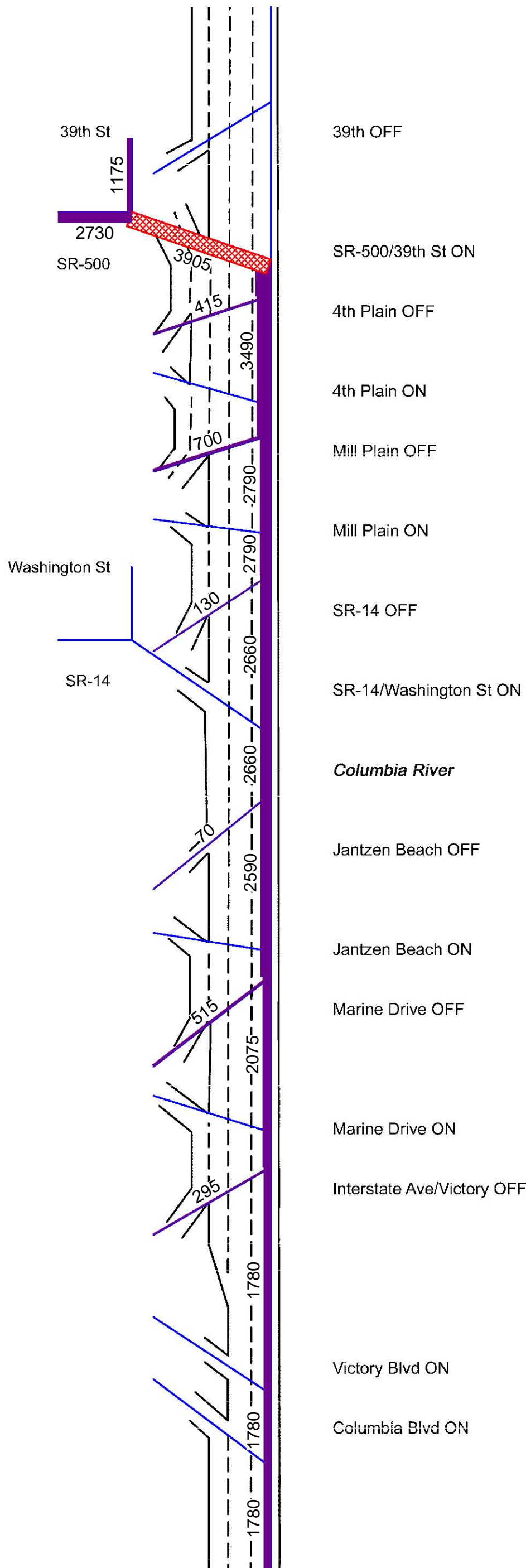
2 Hour AM Volume

VISUM 9.35	Columbia River Crossing Project	Southbound_Existing_Vols
4/3/2006	2005 Existing Southbound Volumes - Select Link at 39th St Off-Ramp	



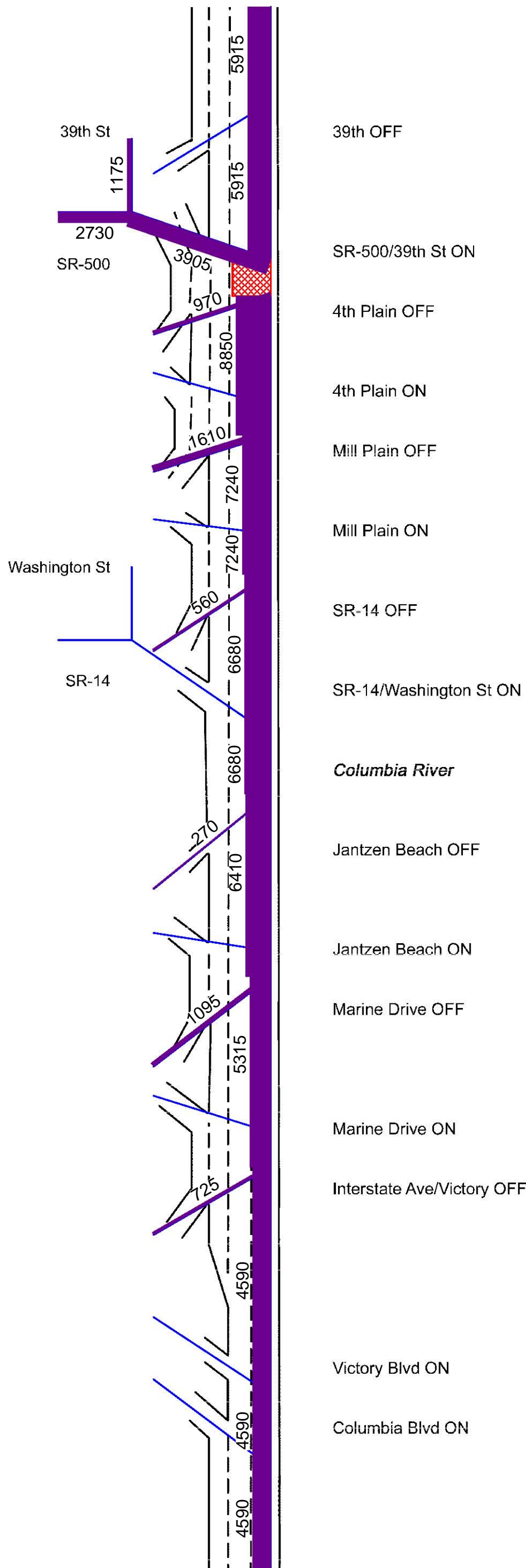
2 Hour AM Volume

VISUM 9.35	Columbia River Crossing Project	Southbound_Existing_Vols
4/3/2006	2005 Existing Southbound Volumes - Select Link Between 39th St Off-Ramp and SR-500/39th St On-Ramp	



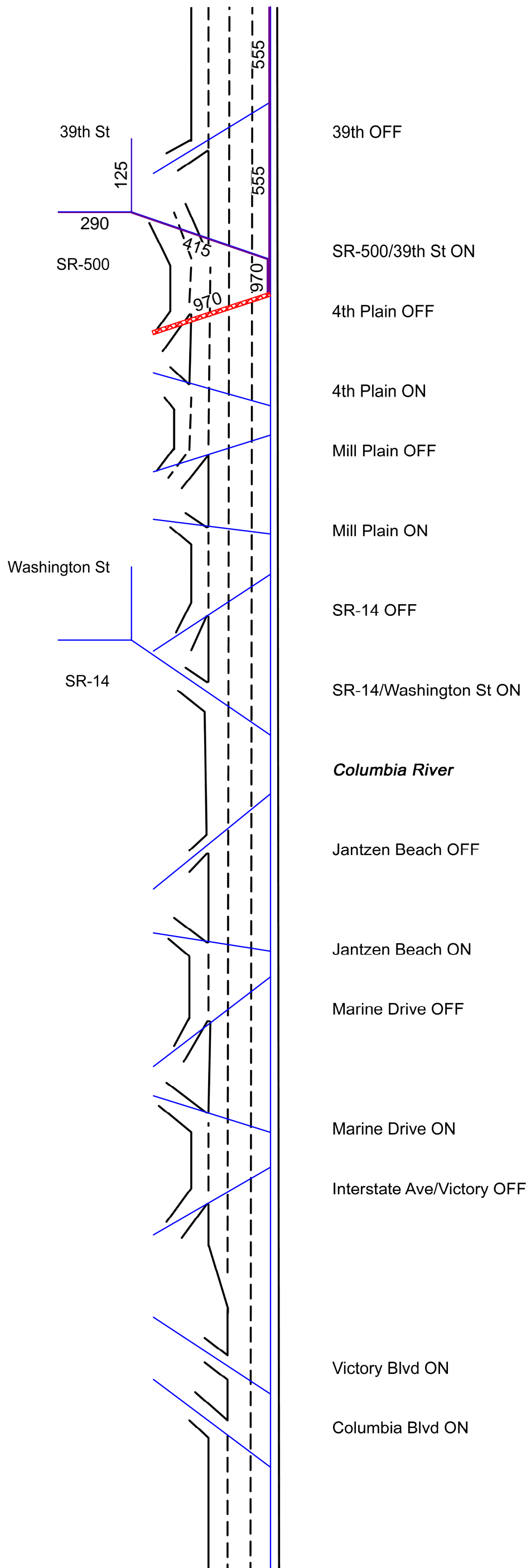
2 Hour AM Volume

VISUM 9.35	Columbia River Crossing Project	Southbound_Existing_Vols
4/3/2006	2005 Existing Southbound Volumes - Select Link at SR-500/39th St On-Ramp	



2 Hour AM Volume

VISUM 9.35	Columbia River Crossing Project	Southbound_Existing_Vols
4/3/2006	2005 Existing Southbound Volumes - Select Link Between SR-500/39th St On-Ramp and 4th Plain Blvd Off-Ramp	



39th OFF

SR-500/39th St ON

4th Plain OFF

4th Plain ON

Mill Plain OFF

Mill Plain ON

SR-14 OFF

SR-14/Washington St ON

Columbia River

Jantzen Beach OFF

Jantzen Beach ON

Marine Drive OFF

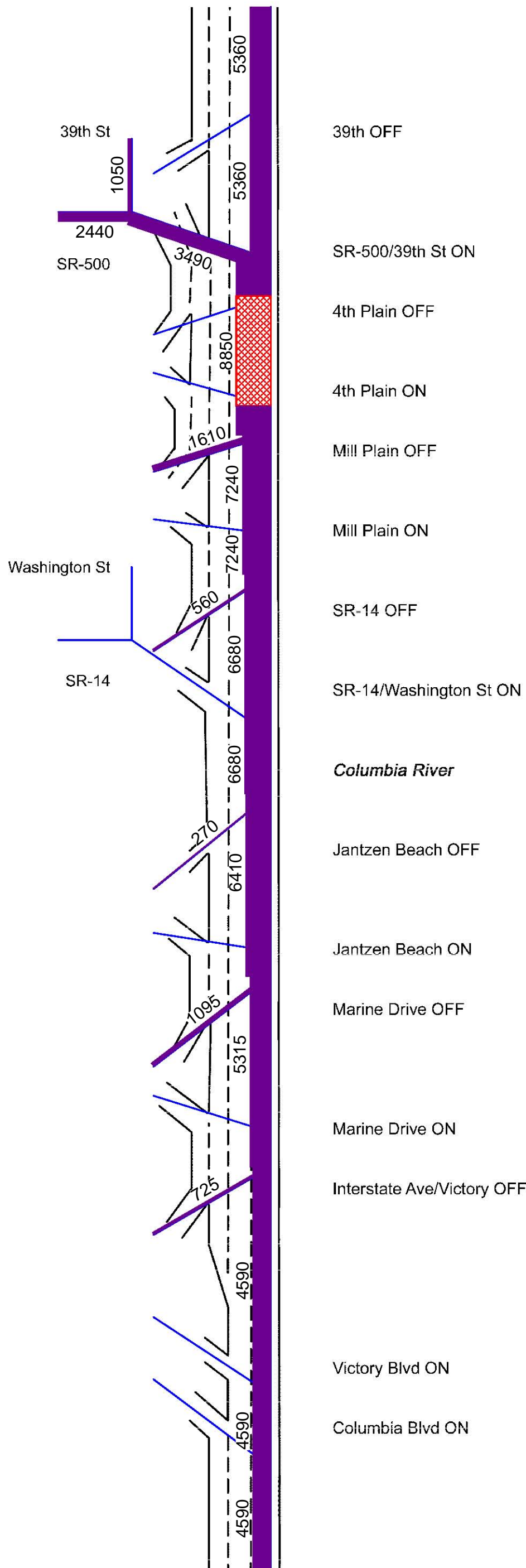
Marine Drive ON

Interstate Ave/Victory OFF

Victory Blvd ON

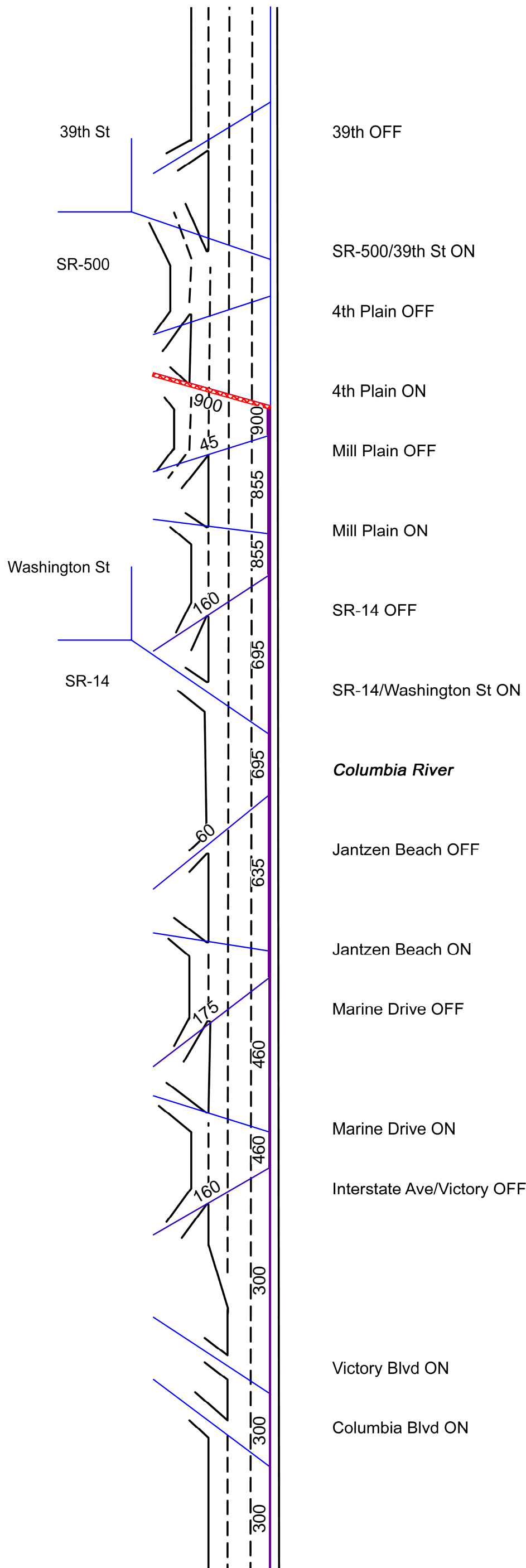
Columbia Blvd ON

2 Hour AM Volume



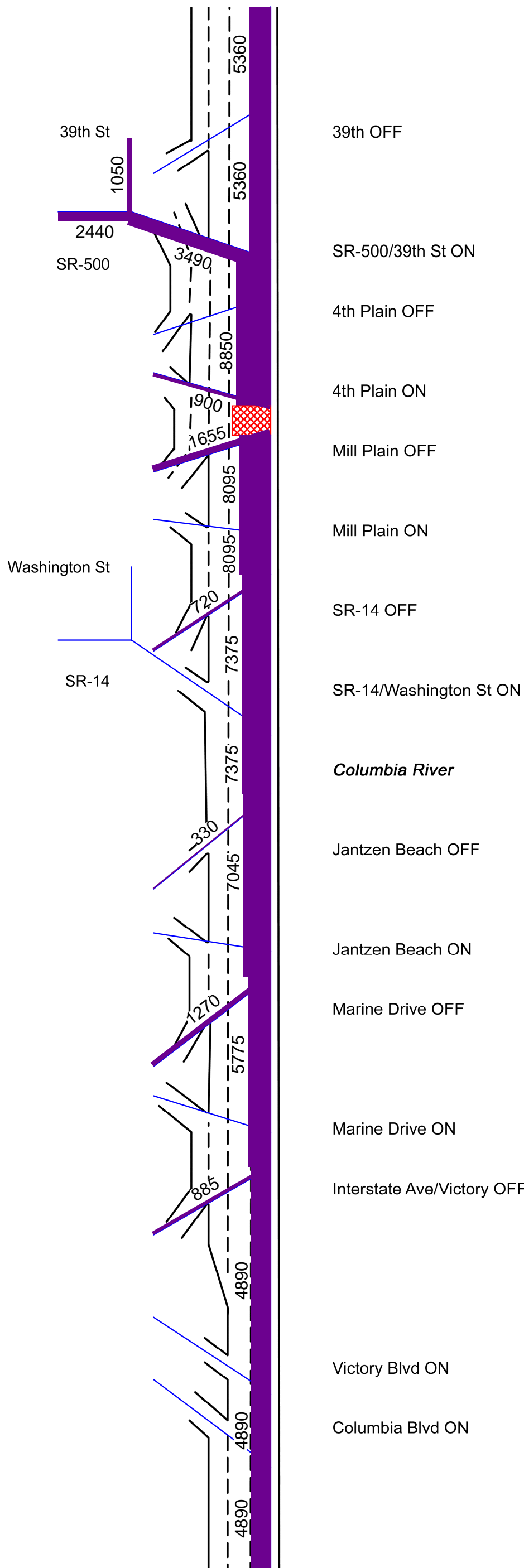
2 Hour AM Volume

VISUM 9.35	Columbia River Crossing Project	Southbound_Existing_Vols
4/3/2006	2005 Existing Southbound Volumes - Select Link Between 4th Plain Blvd Off-Ramp and 4th Plain Blvd On-Ramp	



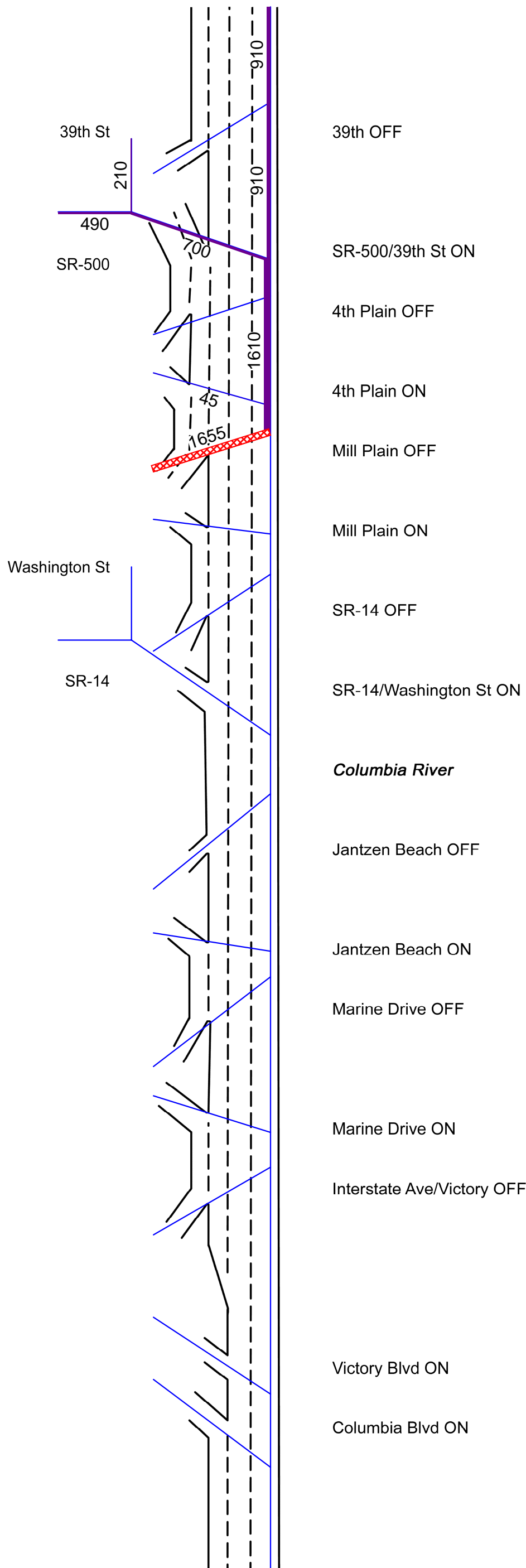
2 Hour AM Volume

VISUM 9.35	Columbia River Crossing Project	Southbound_Existing_Vols
4/3/2006	2005 Existing Southbound Volumes - Select Link at 4th Plain Blvd On-Ramp	



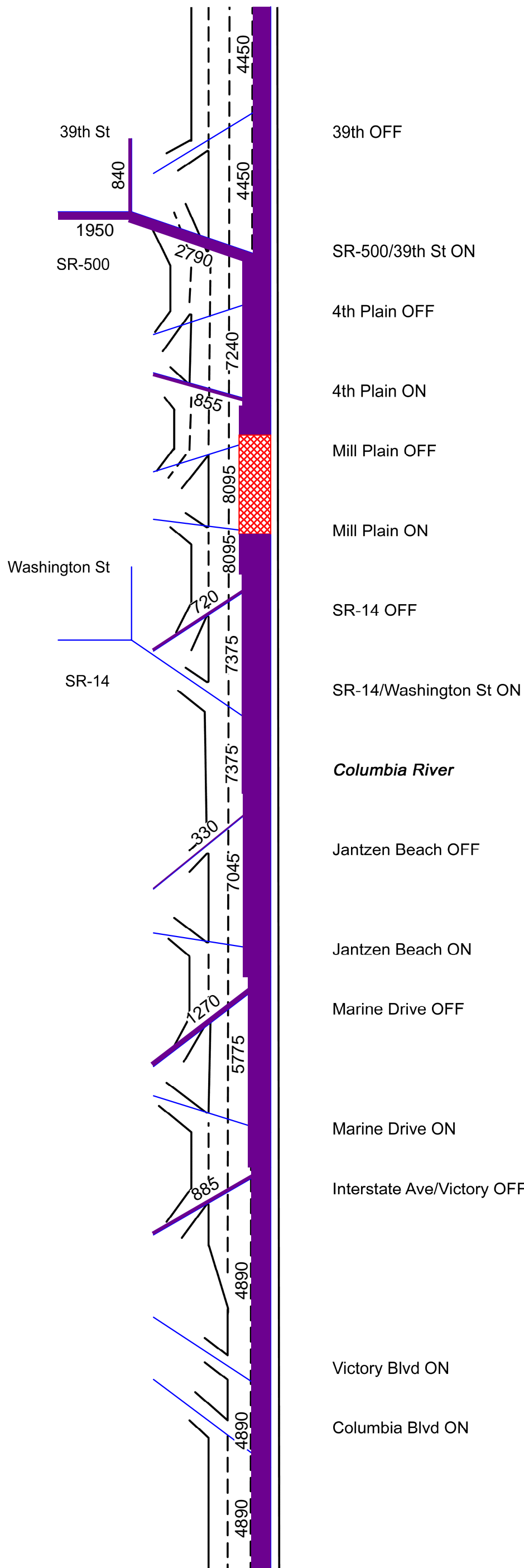
2 Hour AM Volume

VISUM 9.35	Columbia River Crossing Project	Southbound_Existing_Vols
4/3/2006	2005 Existing Southbound Volumes - Select Link Between 4th Plain Blvd On-Ramp and Mill Plain Blvd Off-Ramp	



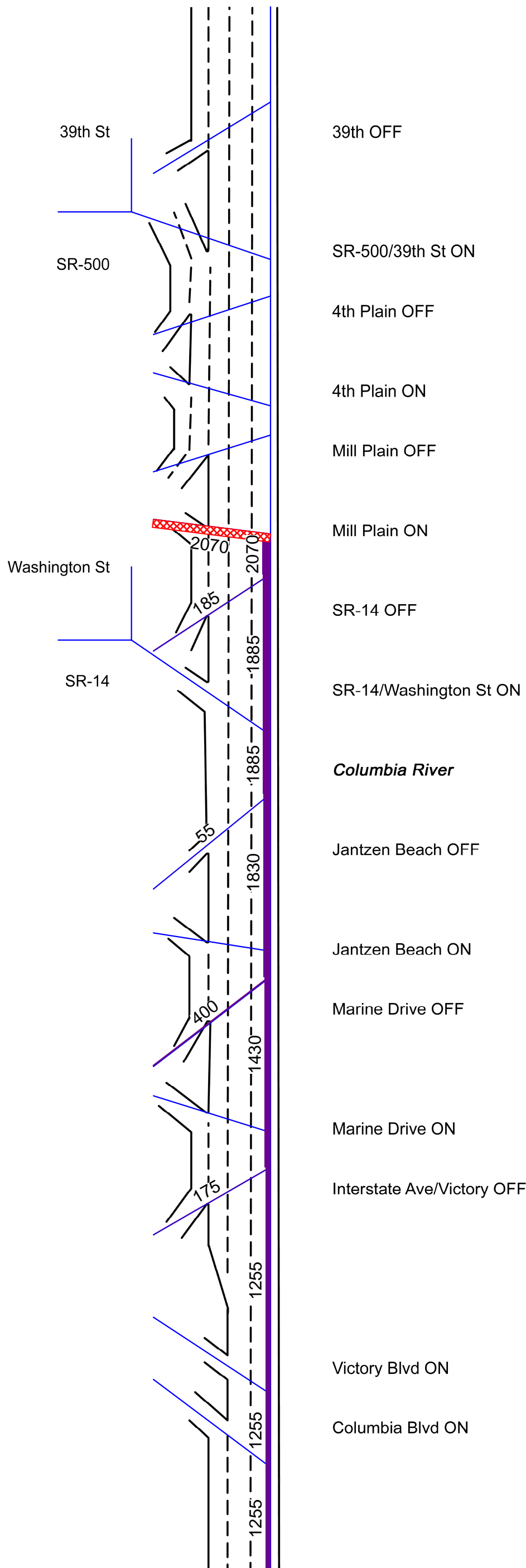
2 Hour AM Volume

VISUM 9.35	Columbia River Crossing Project	Southbound_Existing_Vols
4/3/2006	2005 Existing Southbound Volumes - Select Link at Mill Plain Blvd Off-Ramp	



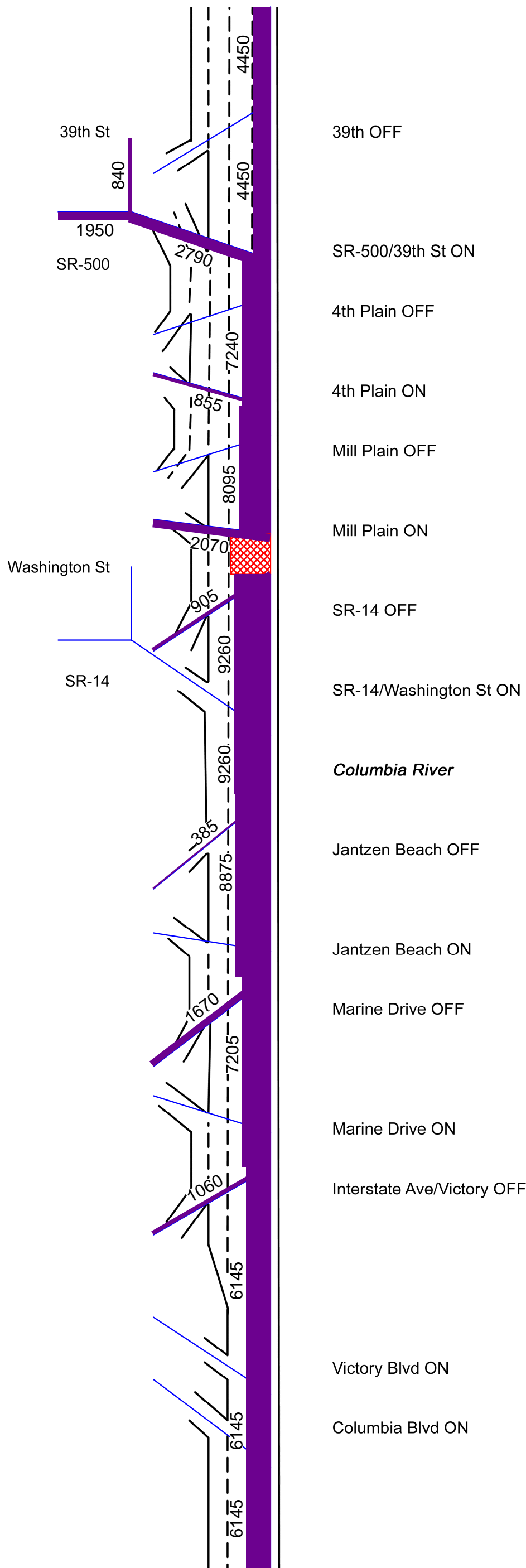
2 Hour AM Volume

VISUM 9.35	Columbia River Crossing Project	Southbound_Existing_Vols
4/3/2006	2005 Existing Southbound Volumes - Select Link Between Mill Plain Blvd Off-Ramp and Mill Plain Blvd On-Ramp	



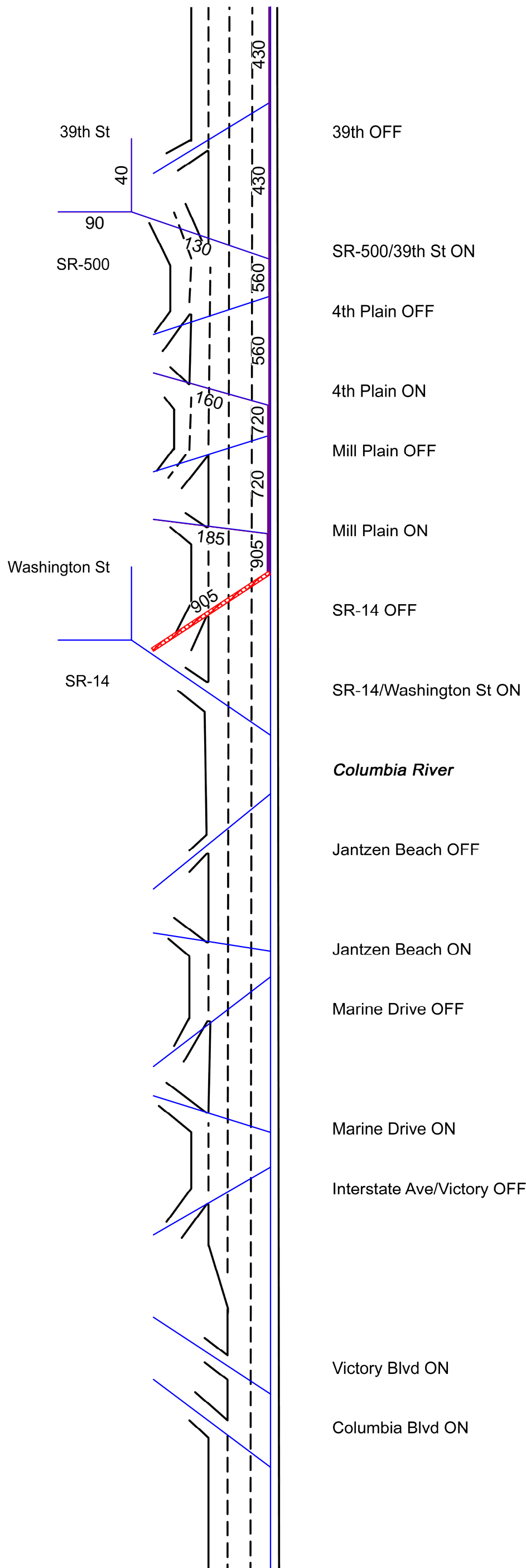
2 Hour AM Volume

VISUM 9.35	Columbia River Crossing Project	Southbound_Existing_Vols
4/3/2006	2005 Existing Southbound Volumes - Select Link at Mill Plain Blvd On-Ramp	



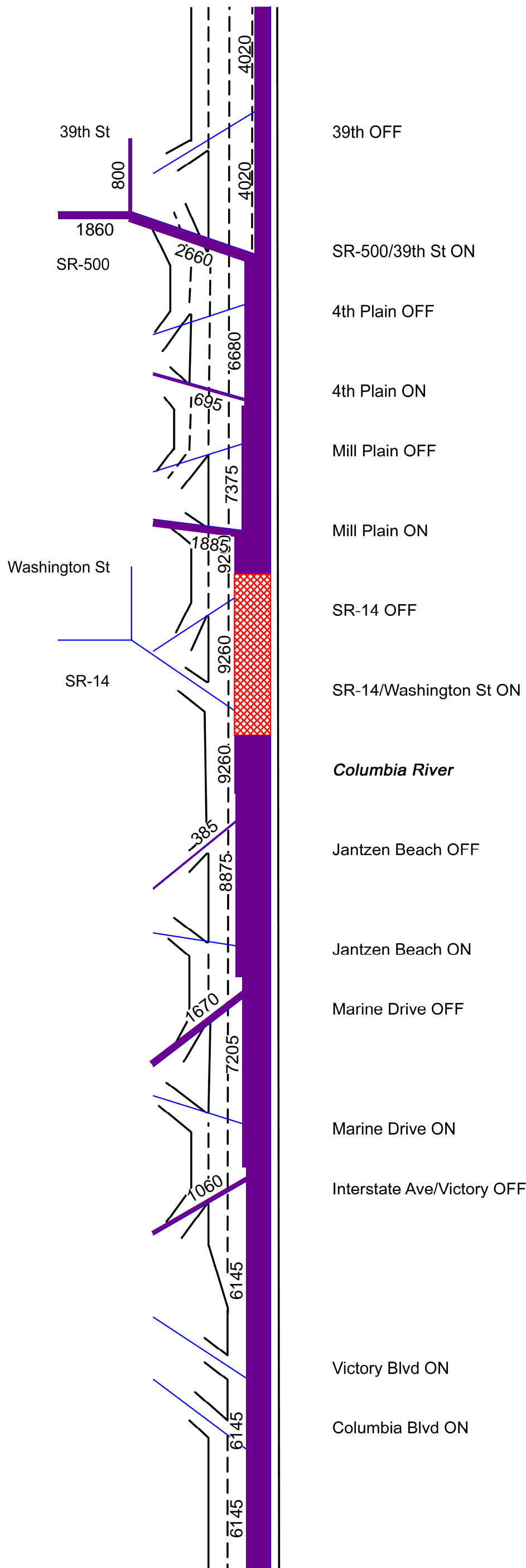
2 Hour AM Volume

VISUM 9.35	Columbia River Crossing Project	Southbound_Existing_Vols
4/3/2006	2005 Existing Southbound Volumes - Select Link Between Mill Plain Blvd On-Ramp and SR-14 Off-Ramp	



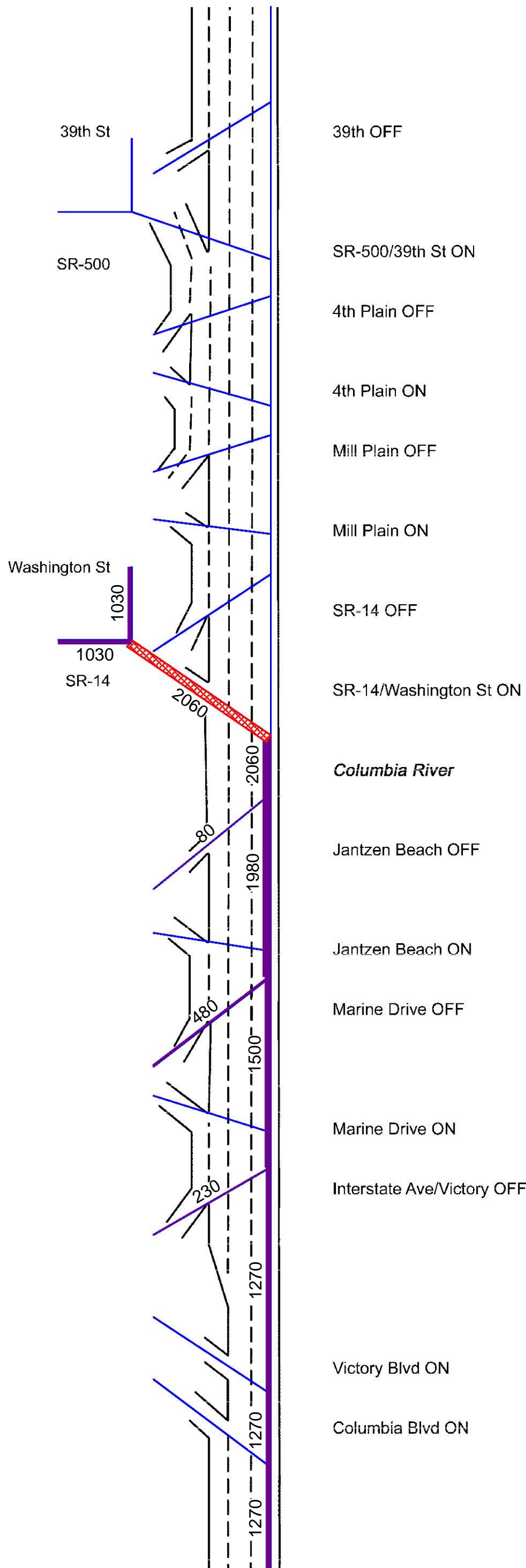
2 Hour AM Volume

VISUM 9.35	Columbia River Crossing Project	Southbound_Existing_Vols
4/3/2006	2005 Existing Southbound Volumes - Select Link at SR-14 Off-Ramp	



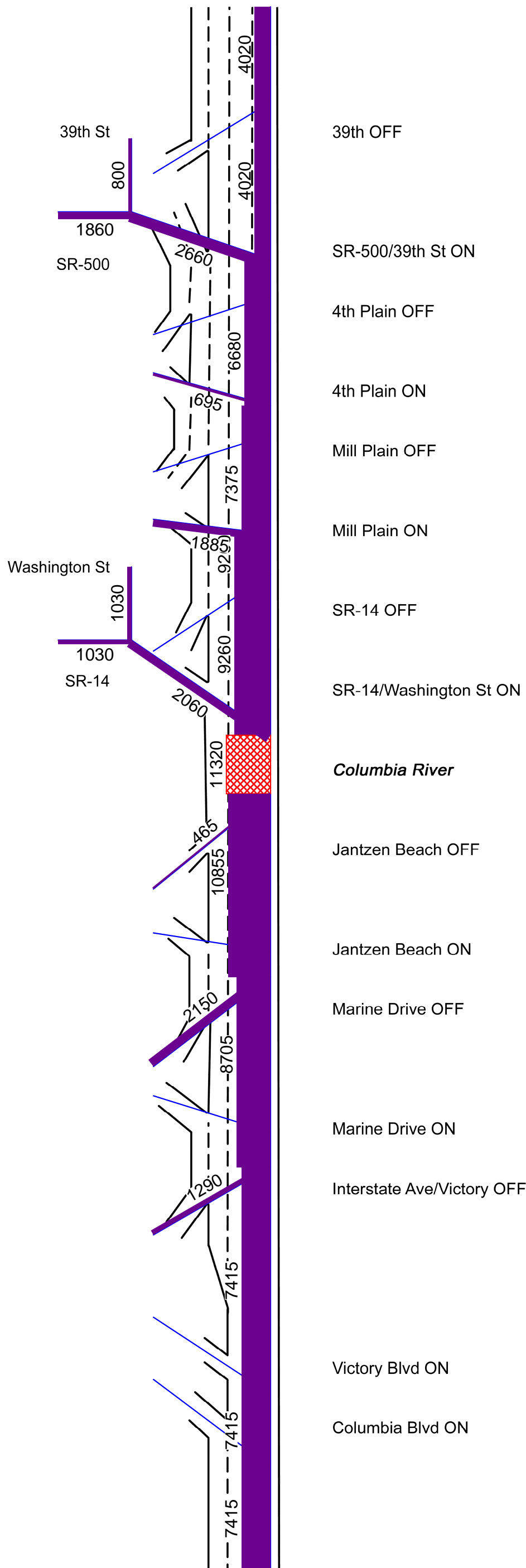
2 Hour AM Volume

VISUM 9.35	Columbia River Crossing Project	Southbound_Existing_Vols
4/3/2006	2005 Existing Southbound Volumes - Select Link Between SR-14 Off-Ramp and SR-14/Washington St On-Ramp	



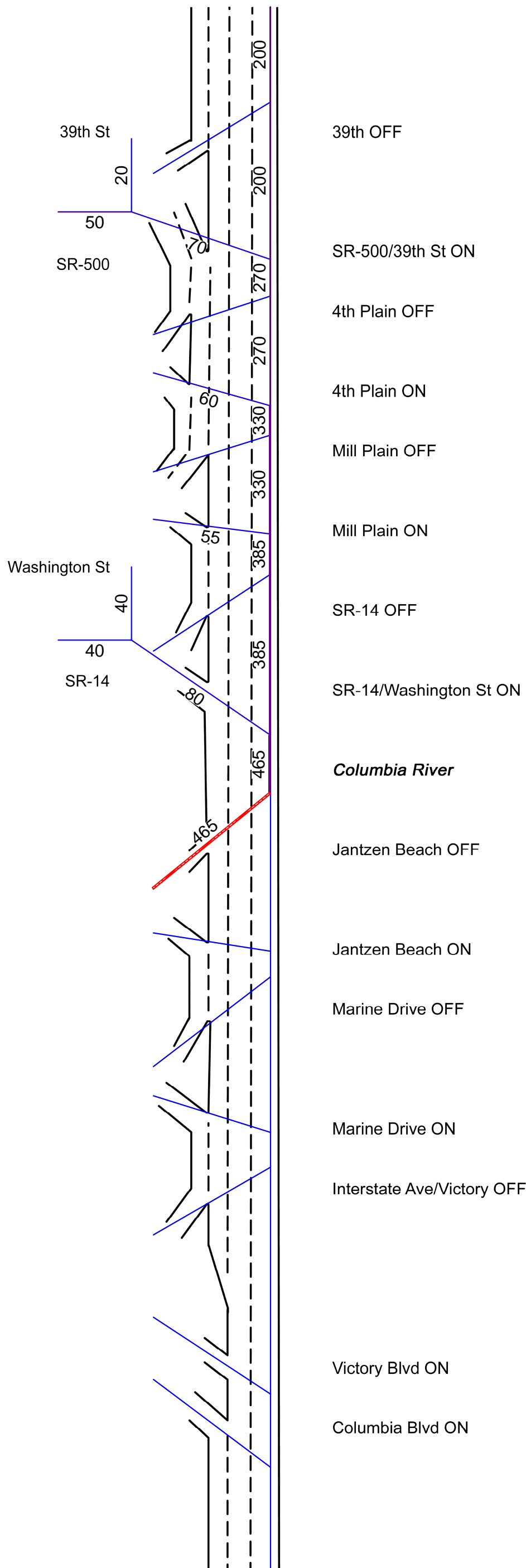
2 Hour AM Volume

VISUM 9.35	Columbia River Crossing Project	Southbound_Existing_Vols
4/3/2006	2005 Existing Southbound Volumes - Select Link at SR-14/Washington St On-Ramp	



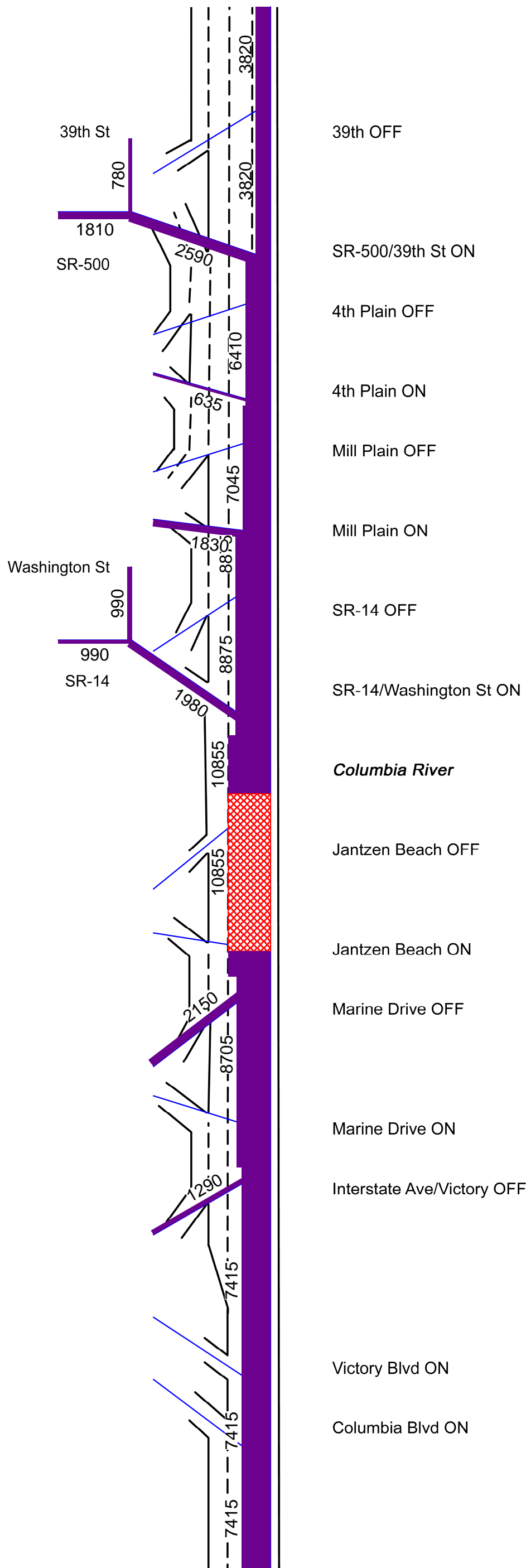
2 Hour AM Volume

VISUM 9.35	Columbia River Crossing Project	Southbound_Existing_Vols
4/3/2006	2005 Existing Southbound Volumes - Select Link at Columbia River Bridge	



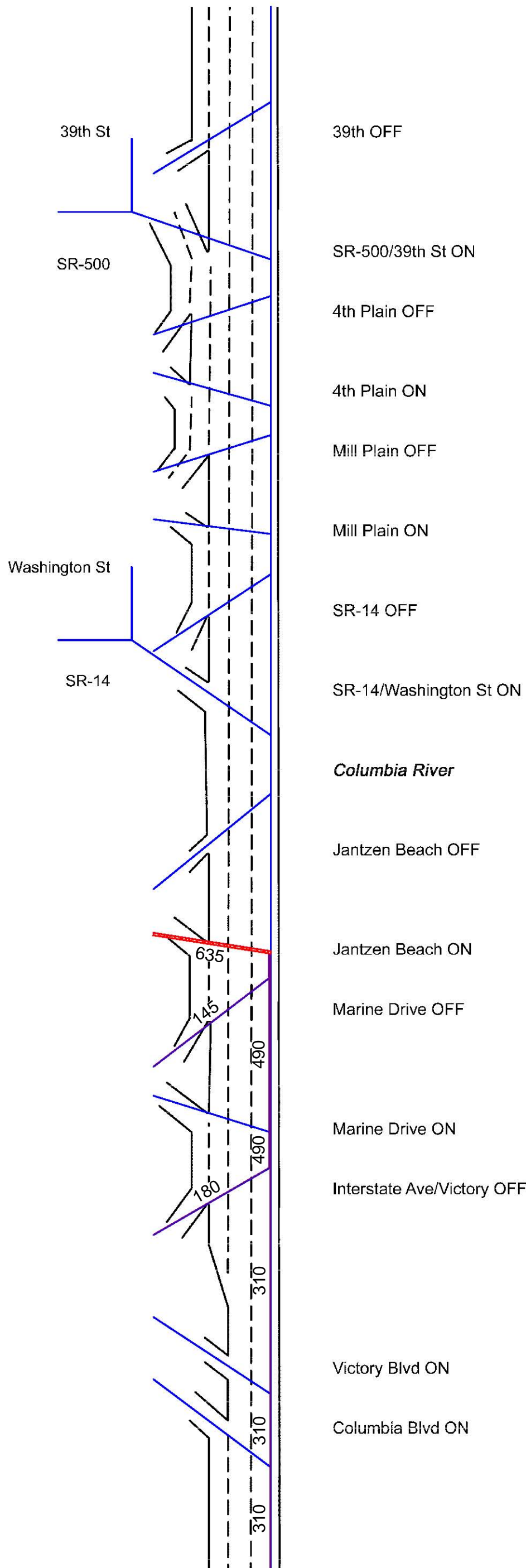
2 Hour AM Volume

VISUM 9.35	Columbia River Crossing Project	Southbound_Existing_Vols
4/3/2006	2005 Existing Southbound Volumes - Select Link at Jantzen Beach Off-Ramp	



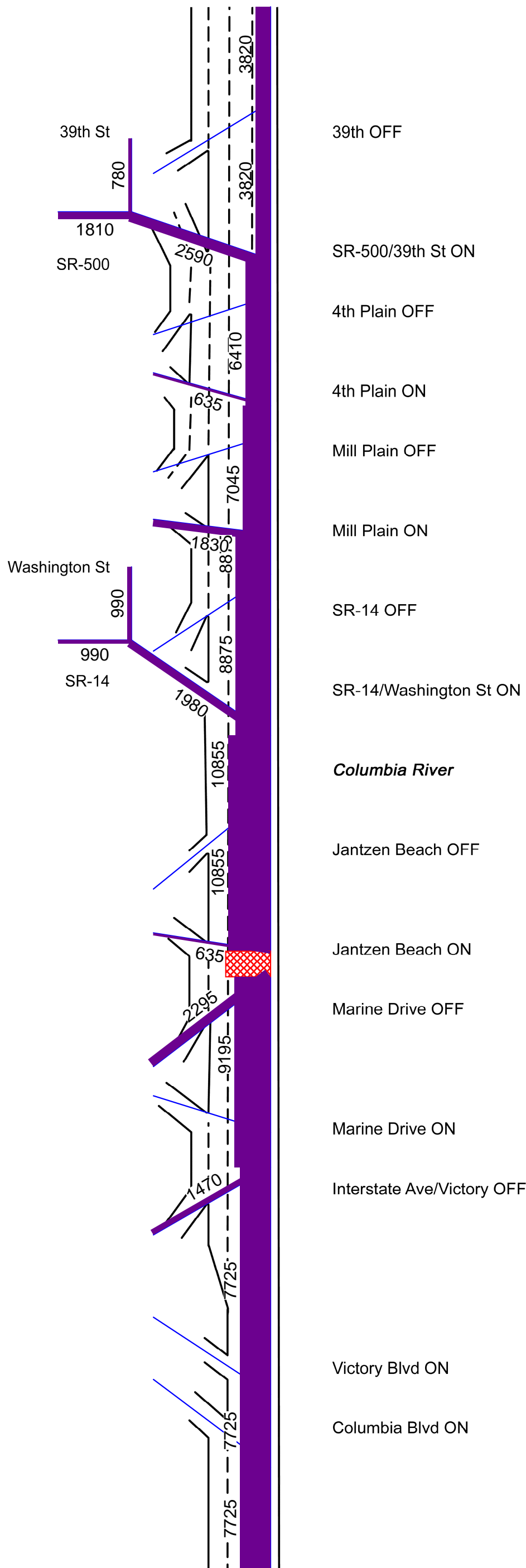
2 Hour AM Volume

VISUM 9.35	Columbia River Crossing Project	Southbound_Existing_Vols
4/3/2006	2005 Existing Southbound Volumes - Select Link Between Jantzen Beach Off-Ramp and Jantzen Beach On-Ramp	



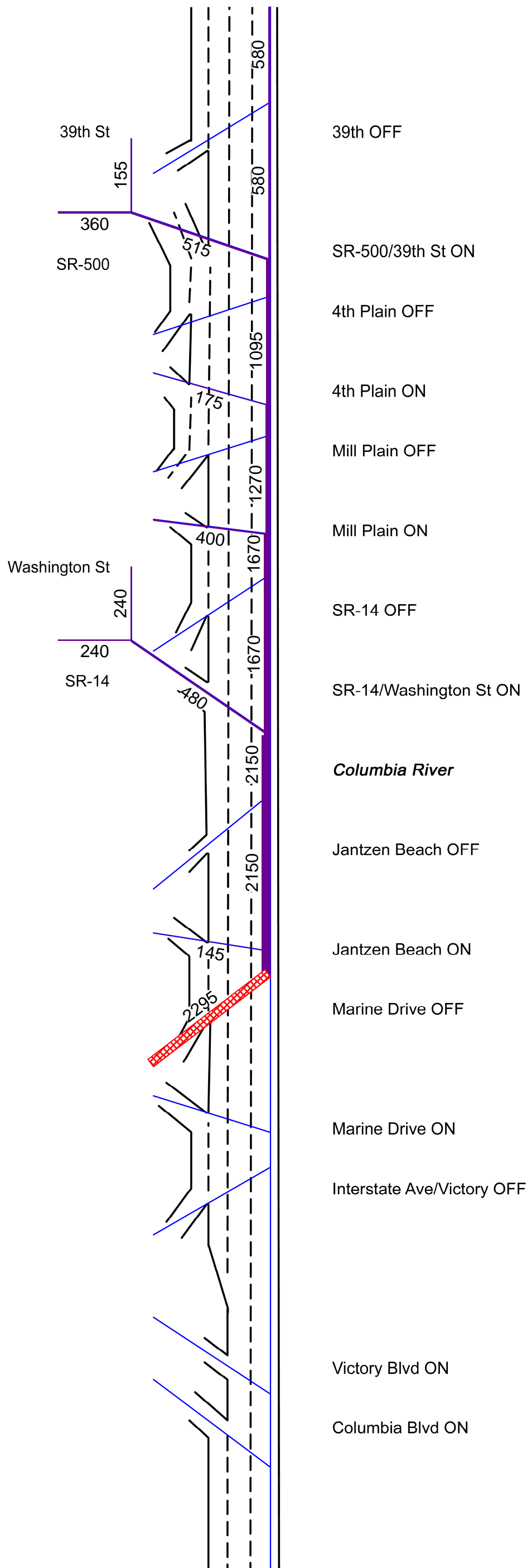
2 Hour AM Volume

VISUM 9.35	Columbia River Crossing Project	Southbound_Existing_Vols
4/3/2006	2005 Existing Southbound Volumes - Select Link at Jantzen Beach On-Ramp	



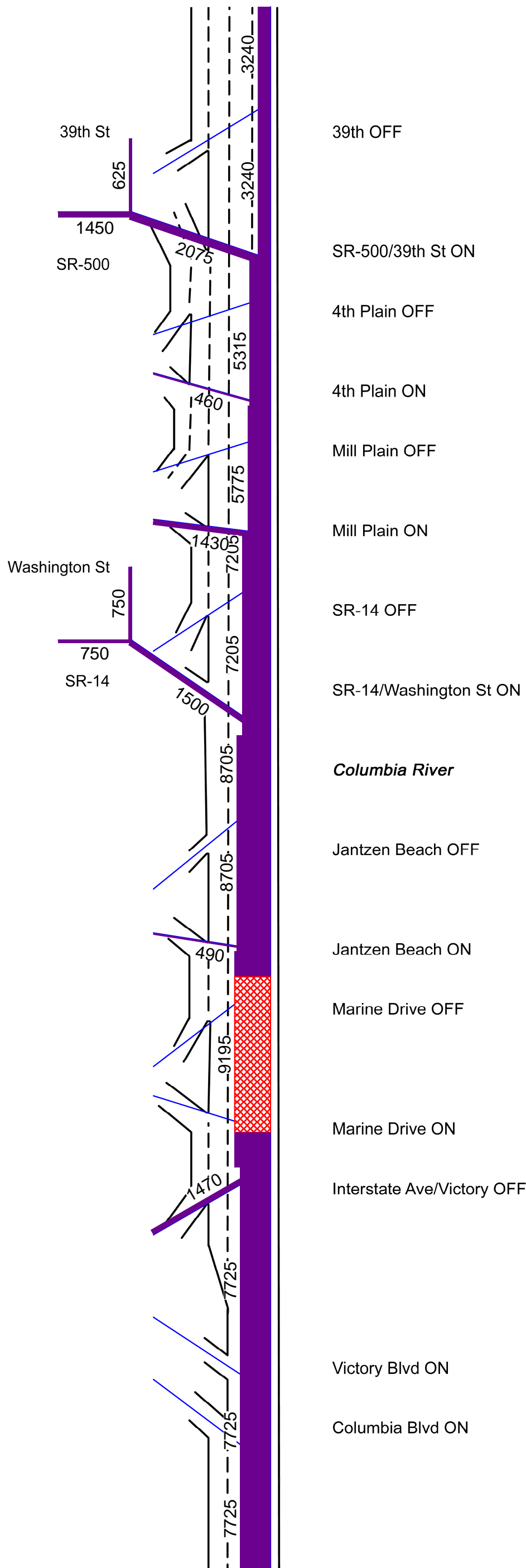
2 Hour AM Volume

VISUM 9.35	Columbia River Crossing Project	Southbound_Existing_Vols
4/3/2006	2005 Existing Southbound Volumes - Select Link Between Jantzen Beach On-Ramp and Marine Drive Off-Ramp	



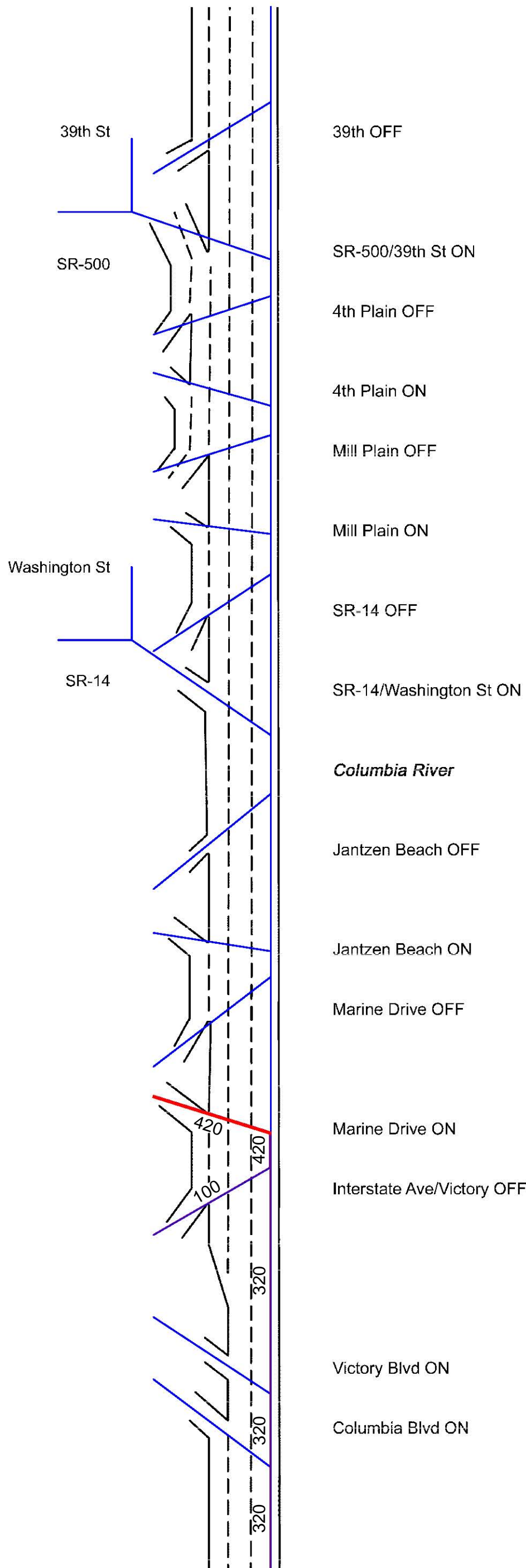
2 Hour AM Volume

VISUM 9.35	Columbia River Crossing Project	Southbound_Existing_Vols
4/3/2006	2005 Existing Southbound Volumes - Select Link at Marine Drive Off-Ramp	



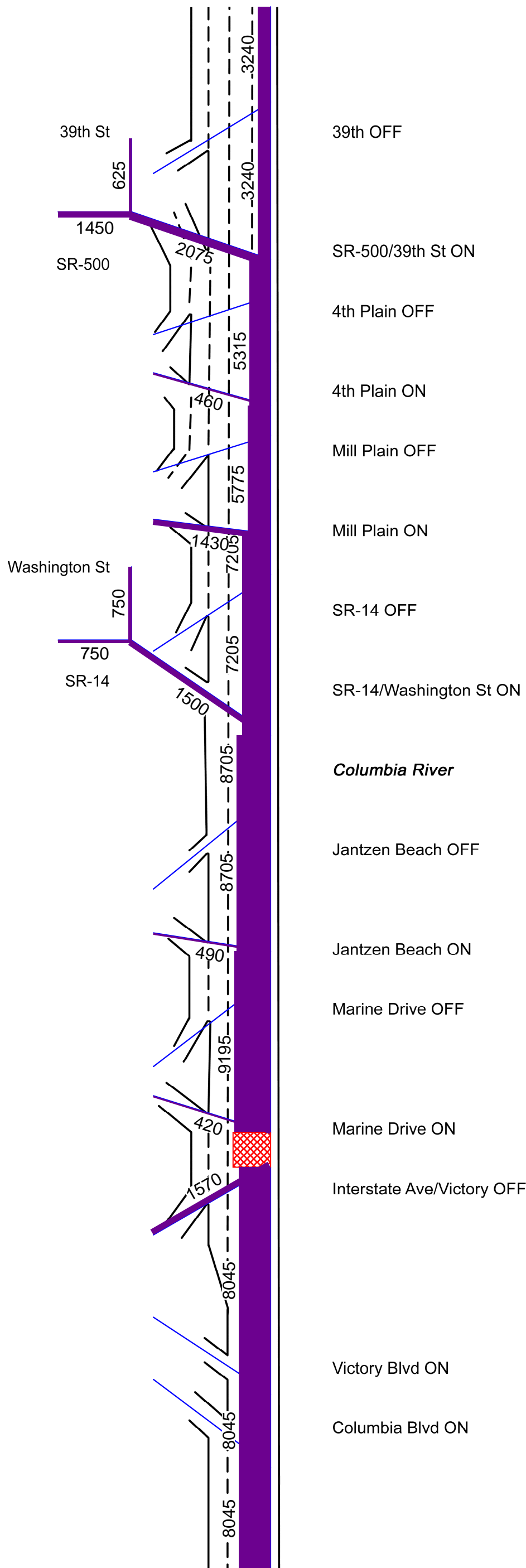
2 Hour AM Volume

VISUM 9.35	Columbia River Crossing Project	Southbound_Existing_Vols
4/3/2006	2005 Existing Southbound Volumes - Select Link Between Marine Drive Off-Ramp and Marine Drive On-Ramp	



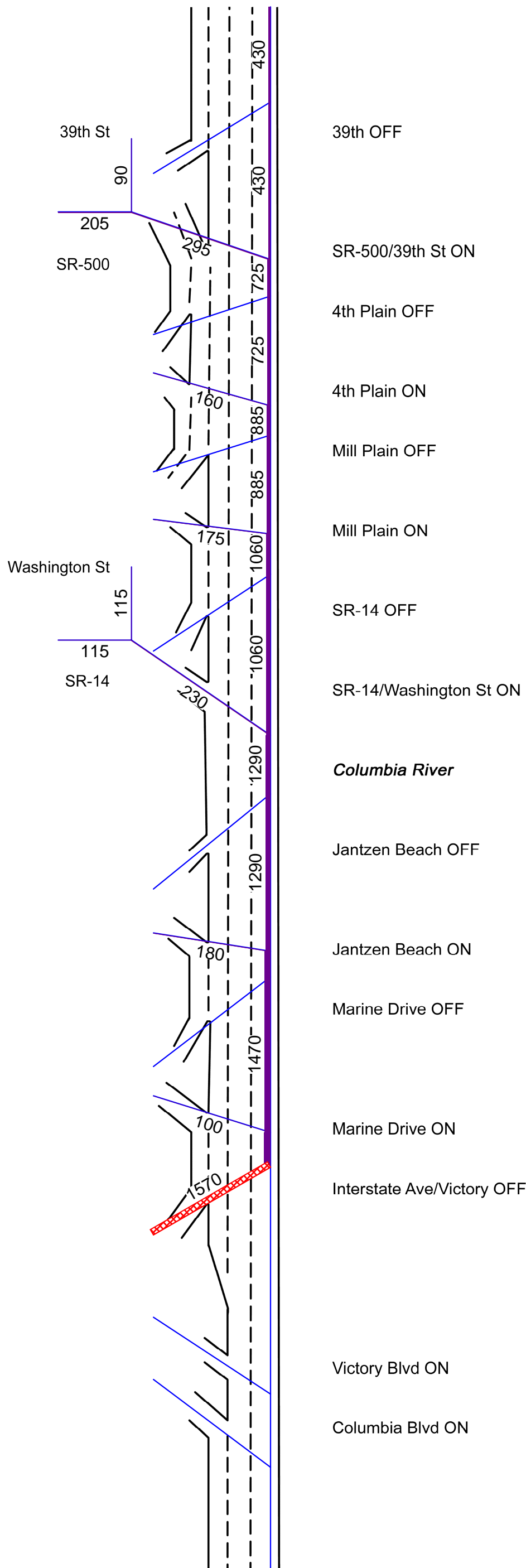
2 Hour AM Volume

VISUM 9.35	Columbia River Crossing Project	Southbound_Existing_Vols
4/3/2006	2005 Existing Southbound Volumes - Select Link at Marine Drive On-Ramp	



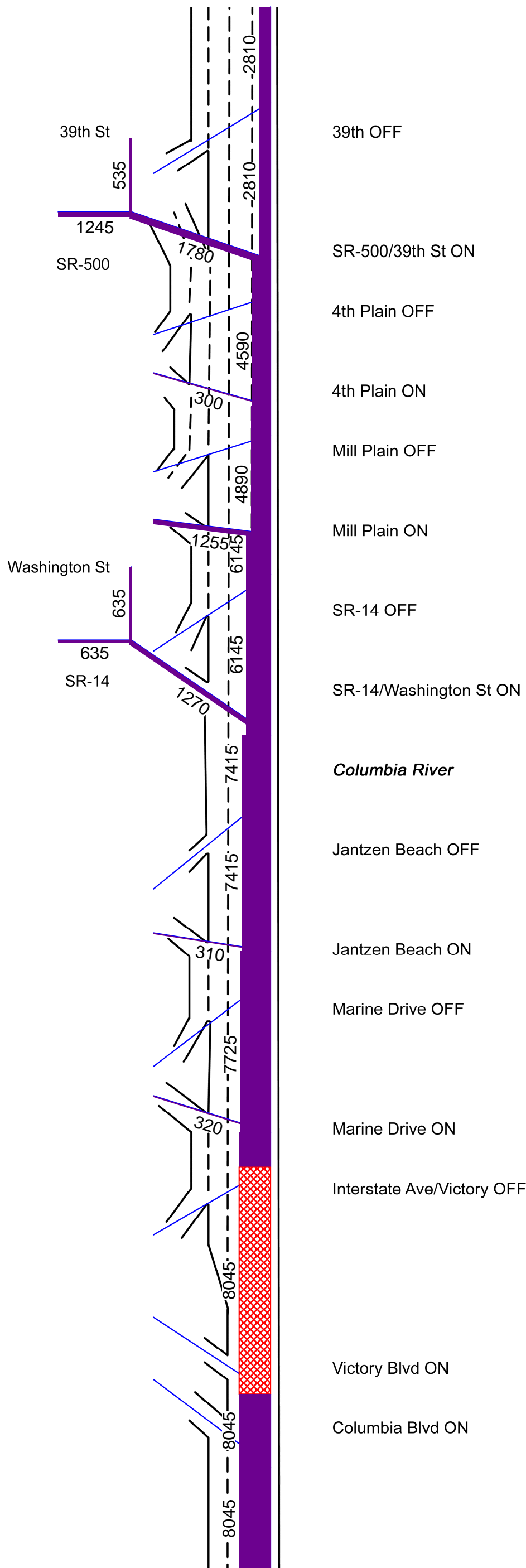
2 Hour AM Volume

VISUM 9.35	Columbia River Crossing Project	Southbound_Existing_Vols
4/3/2006	2005 Existing Southbound Volumes - Select Link Between Marine Dr On-Ramp and Interstate Ave/Victory Blvd Off-Ramp	



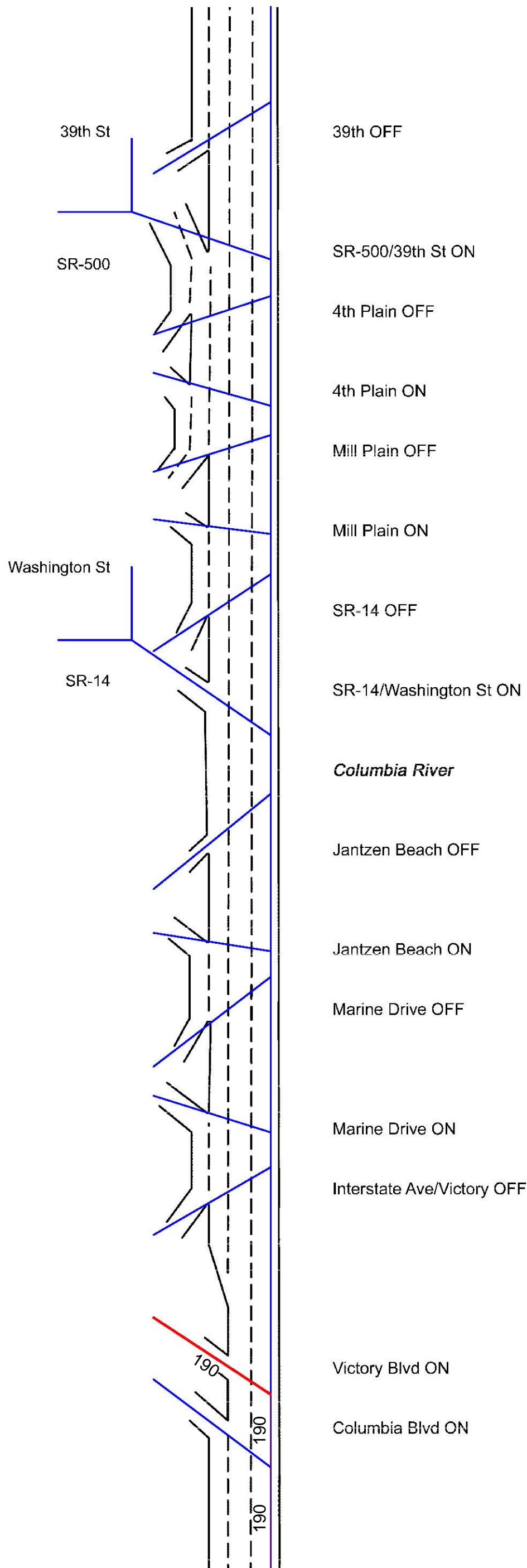
2 Hour AM Volume

VISUM 9.35	Columbia River Crossing Project	Southbound_Existing_Vols
4/3/2006	2005 Existing Southbound Volumes - Select Link at Interstate Ave/Victory Blvd Off-Ramp	



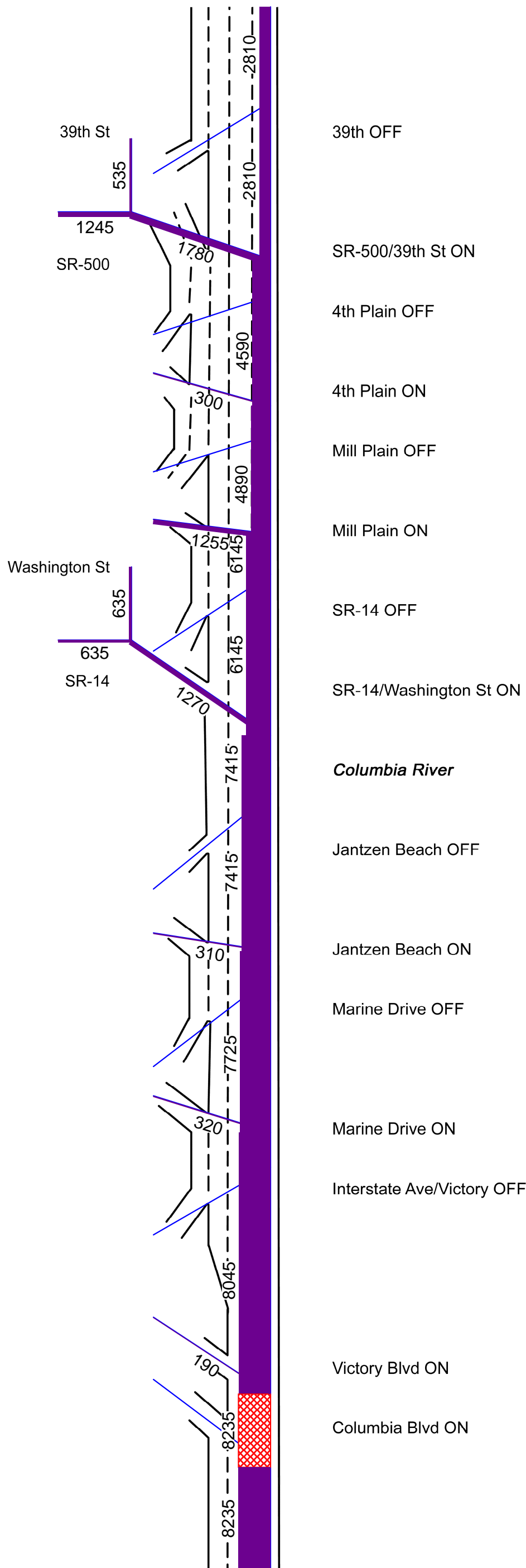
2 Hour AM Volume

VISUM 9.35	Columbia River Crossing Project	Southbound_Existing_Vols
4/3/2006	2005 Existing Southbound Volumes - Select Link Between Interstate Ave/Victory Off-Ramp and Victory Blvd On-Ramp	



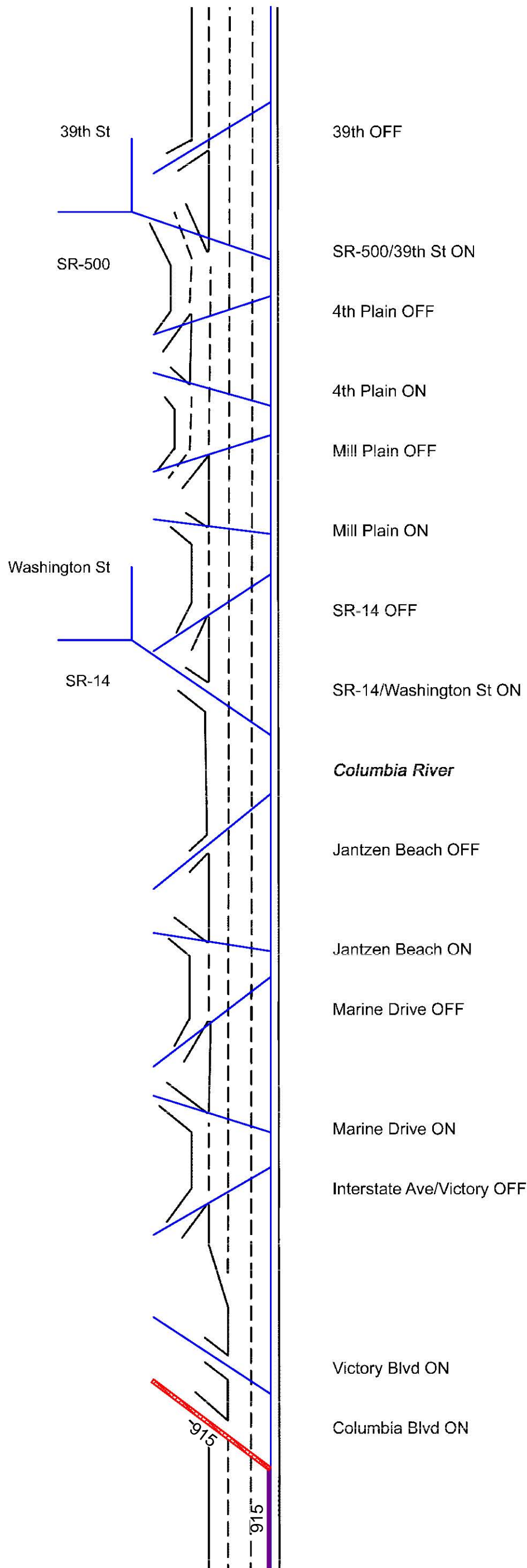
2 Hour AM Volume

VISUM 9.35	Columbia River Crossing Project	Southbound_Existing_Vols
4/3/2006	2005 Existing Southbound Volumes - Select Link at Victory Blvd On-Ramp	



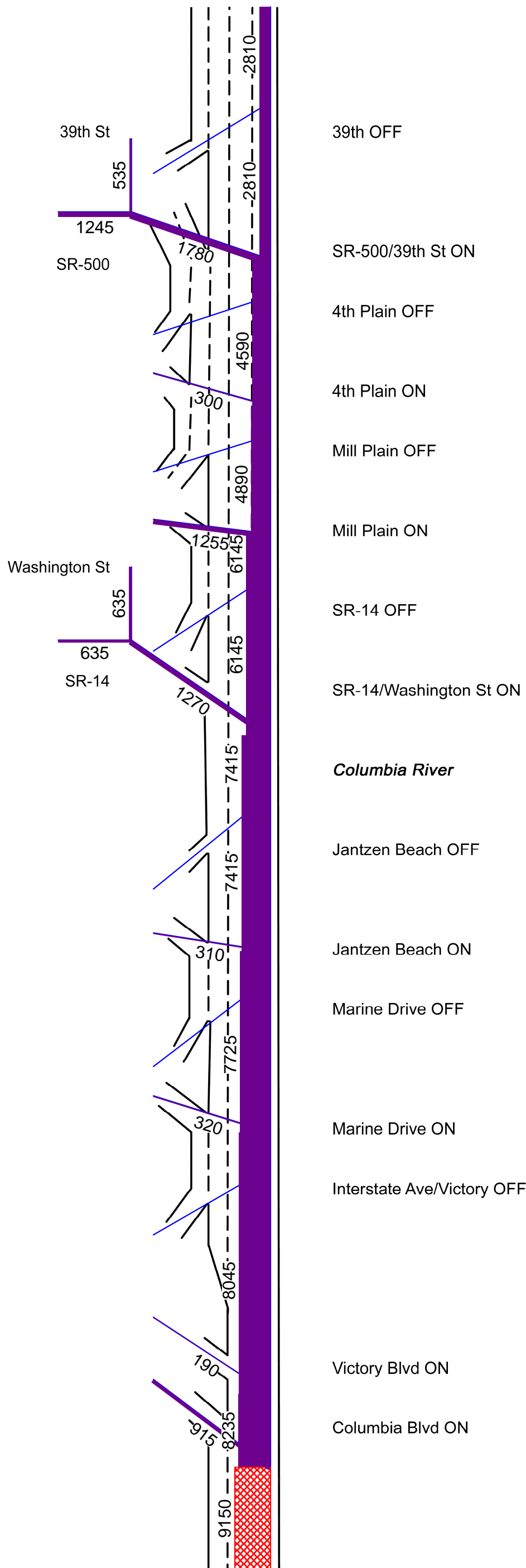
2 Hour AM Volume

VISUM 9.35	Columbia River Crossing Project	Southbound_Existing_Vols
4/3/2006	2005 Existing Southbound Volumes - Select Link Between Victory Blvd On-Ramp and Columbia Blvd Off-Ramp	



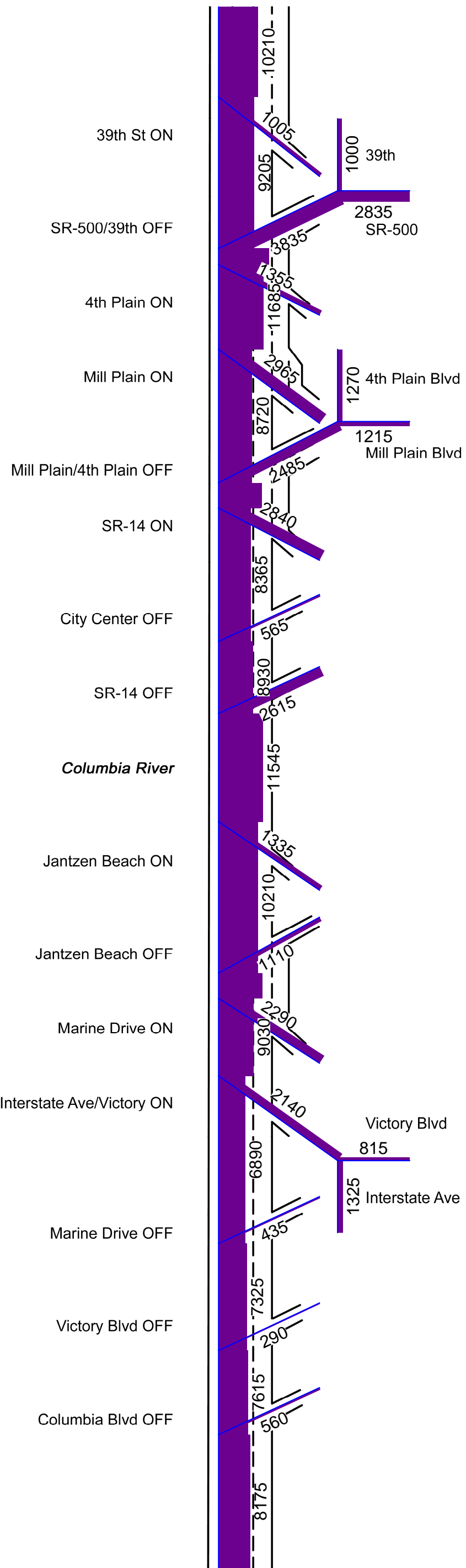
2 Hour AM Volume

VISUM 9.35	Columbia River Crossing Project	Southbound_Existing_Vols
4/3/2006	2005 Existing Southbound Volumes - Select Link at Columbia Blvd On-Ramp	



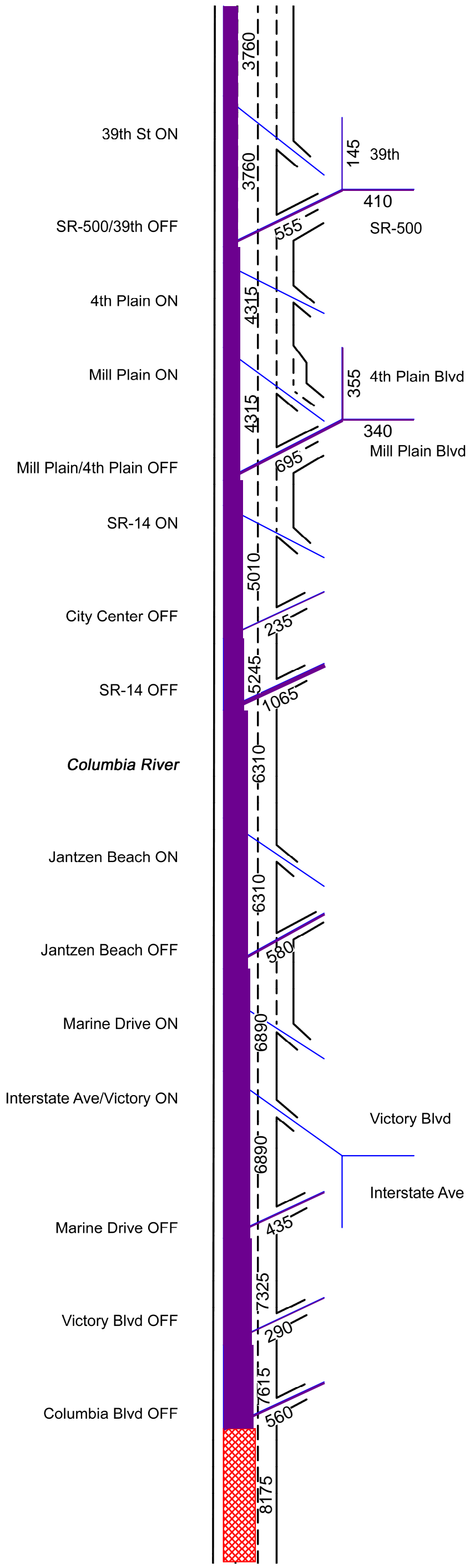
2 Hour AM Volume

VISUM 9.35	Columbia River Crossing Project	Southbound_Existing_Vols
4/3/2006	2005 Existing Southbound Volumes - Select Link South of Columbia Blvd On-Ramp	



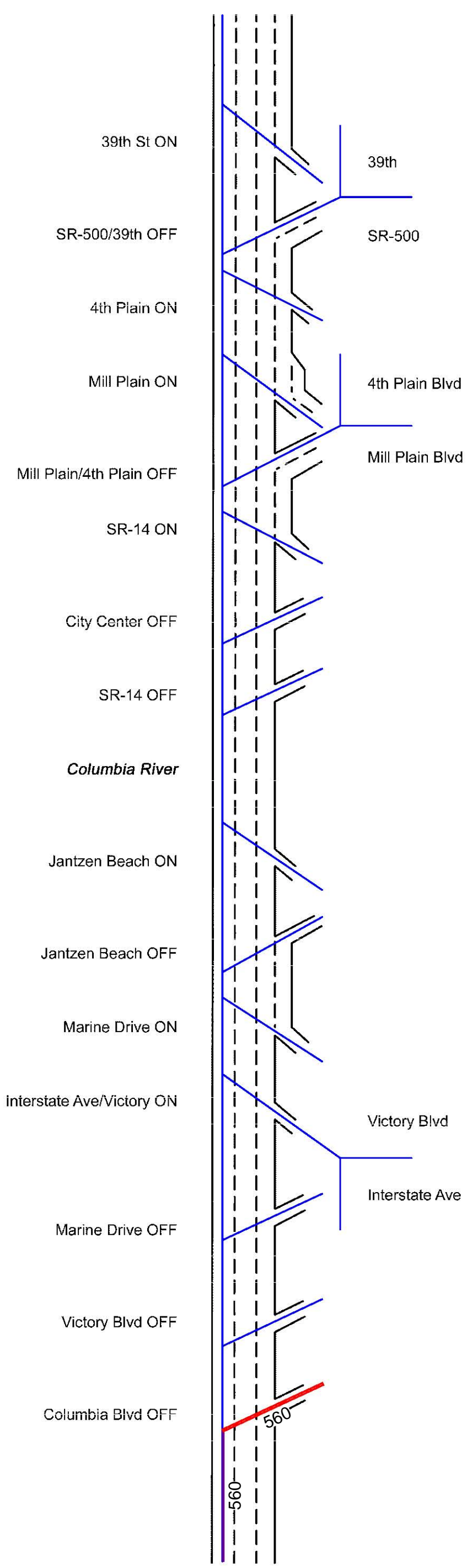
2 Hour PM Volume

VISUM 9.35	Columbia River Crossing Project	Northbound_Existing_Vols
3/31/2006	2005 Existing Northbound Volumes - Total	



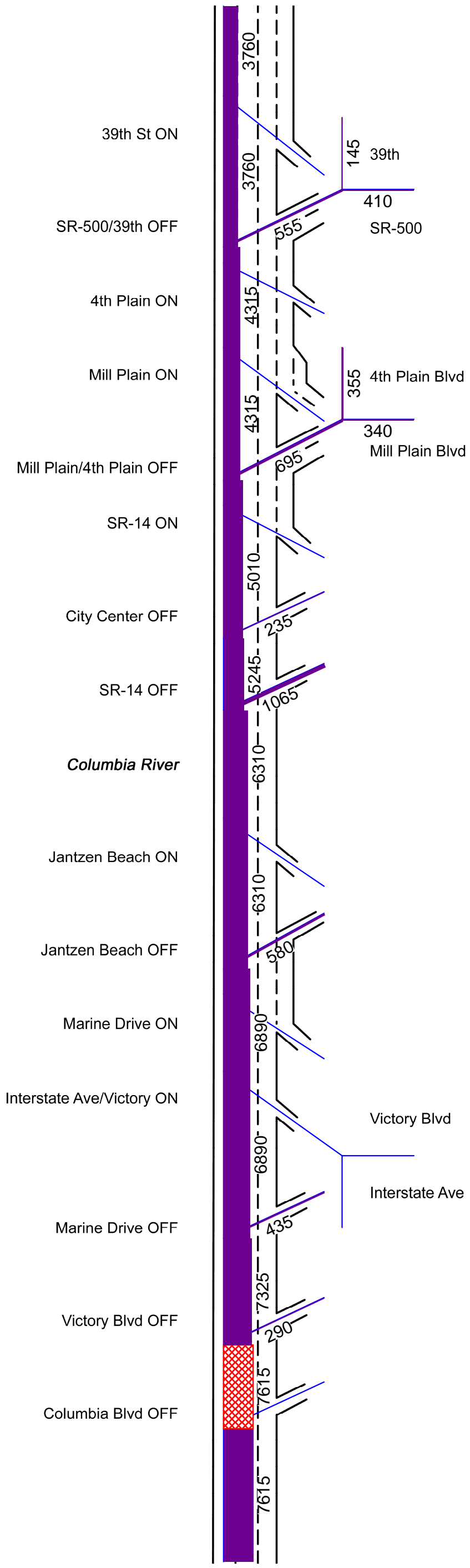
2 Hour PM Volume

VISUM 9.35	Columbia River Crossing Project	Northbound_Existing_Vols
3/31/2006	2005 Existing Northbound Volumes - Select Link South of Columbia Blvd Off-Ramp	



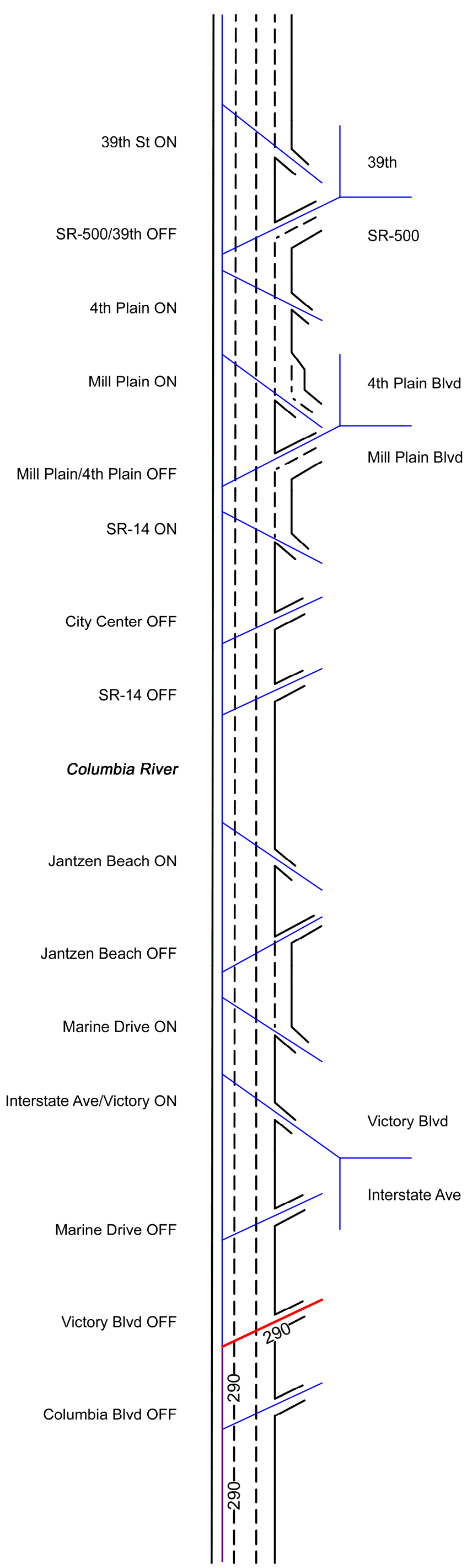
2 Hour PM Volume

VISUM 9.35	Columbia River Crossing Project	Northbound_Existing_Vols
3/31/2006	2005 Existing Northbound Volumes - Select Link at Columbia Blvd Off-Ramp	



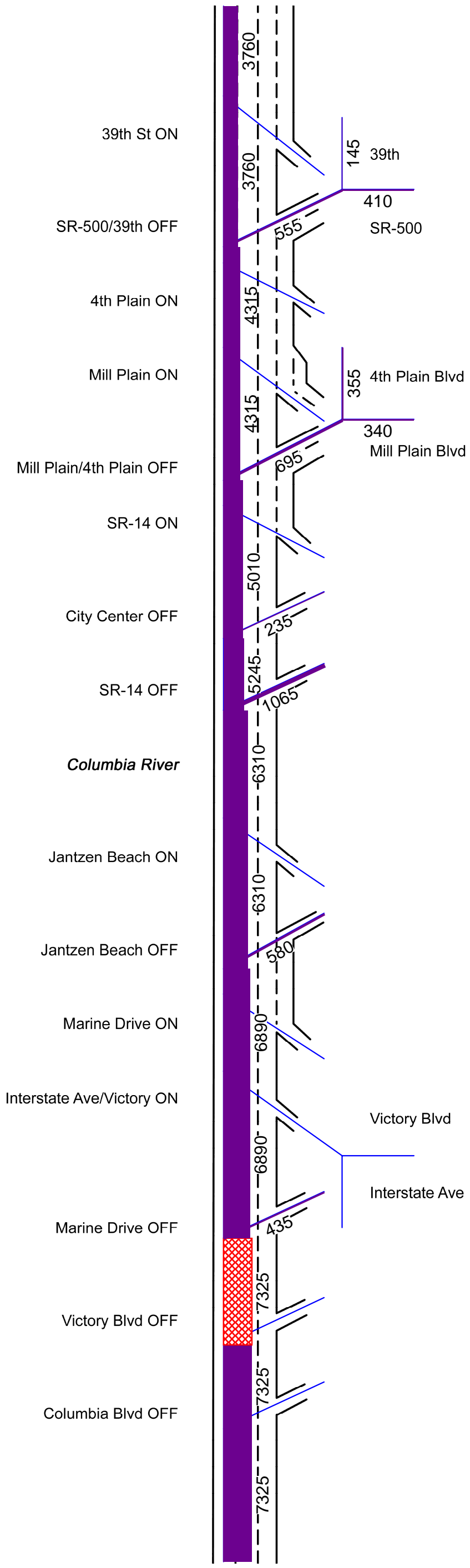
2 Hour PM Volume

VISUM 9.35	Columbia River Crossing Project	Northbound_Existing_Vols
3/31/2006	2005 Existing Northbound Volumes - Select Link Between Columbia Blvd Off-Ramp and Victory Blvd Off-Ramp	



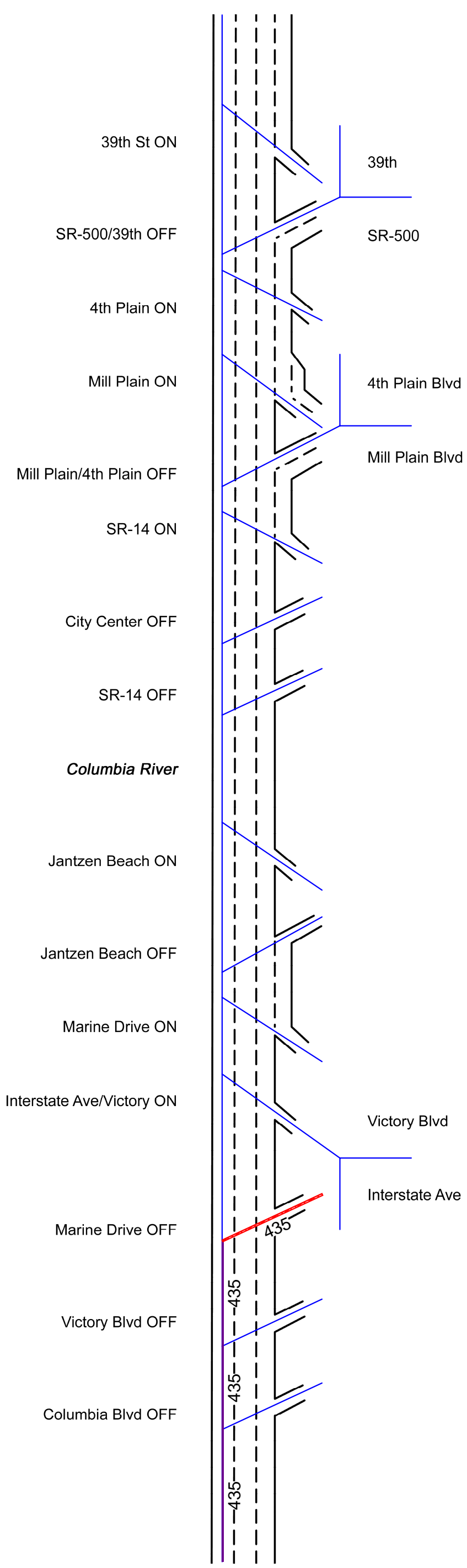
2 Hour PM Volume

VISUM 9.35	Columbia River Crossing Project	Northbound_Existing_Vols
3/31/2006	2005 Existing Northbound Volumes - Select Link at Victory Blvd Off-Ramp	



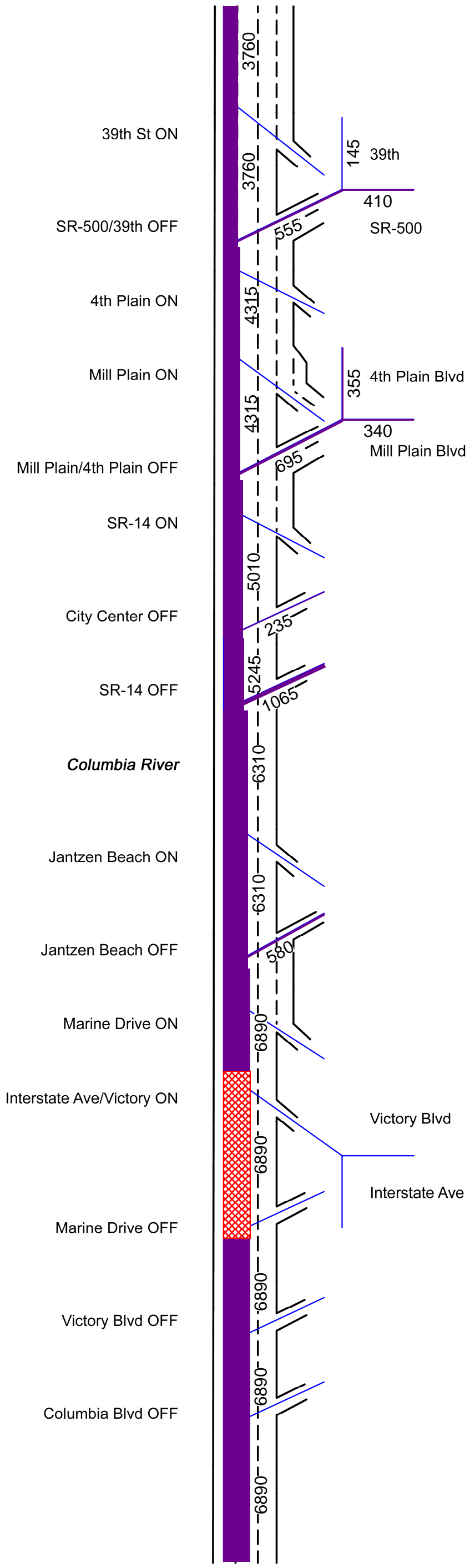
2 Hour PM Volume

VISUM 9.35	Columbia River Crossing Project	Northbound_Existing_Vols
3/31/2006	2005 Existing Northbound Volumes - Select Link Between Victory Blvd Off-Ramp and Marine Drive Off-Ramp	



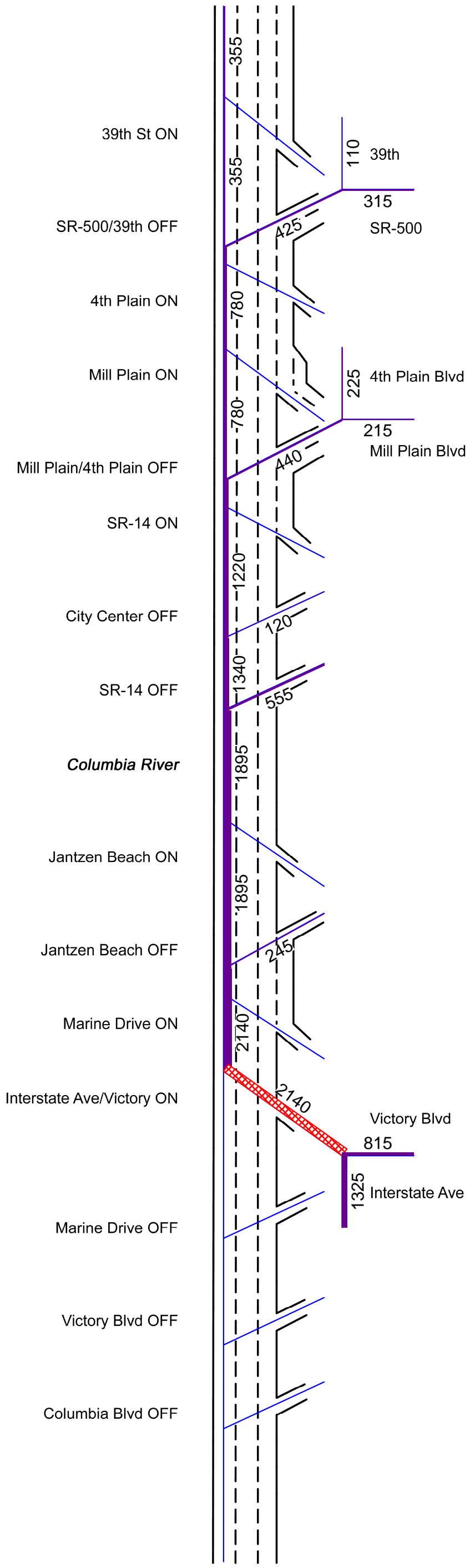
2 Hour PM Volume

VISUM 9.35	Columbia River Crossing Project	Northbound_Existing_Vols
3/31/2006	2005 Existing Northbound Volumes - Select Link at Marine Drive Off-Ramp	



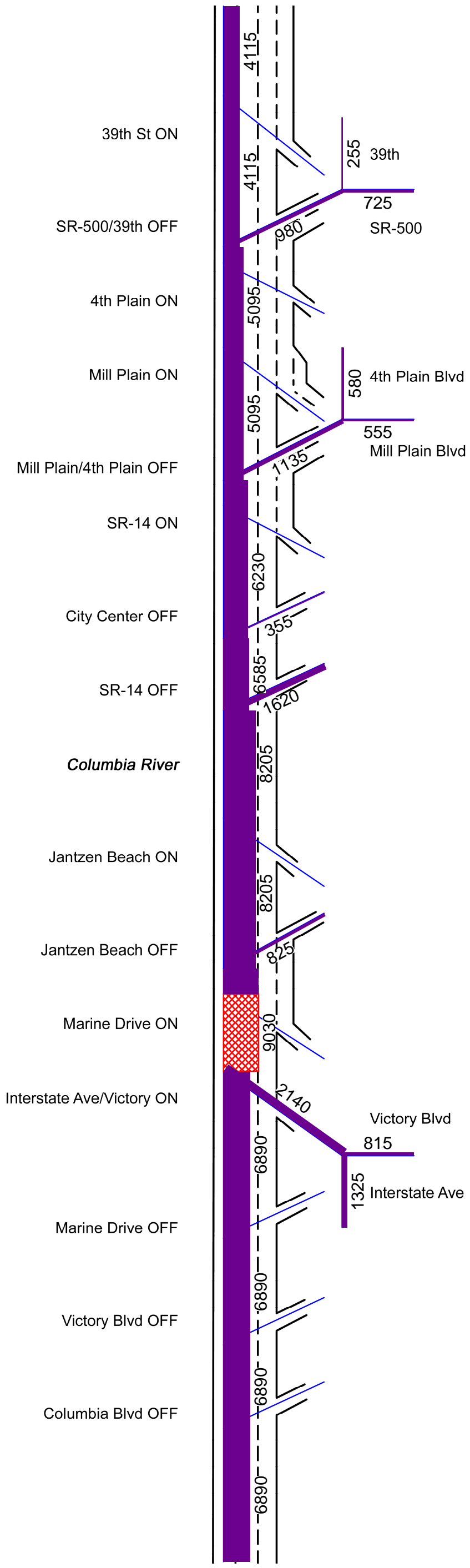
2 Hour PM Volume

VISUM 9.35	Columbia River Crossing Project	Northbound_Existing_Vols
3/31/2006	2005 Existing Northbound Volumes - Select Link Between Marine Dr Off-Ramp and Interstate Ave/Victory Blvd On-Ramp	



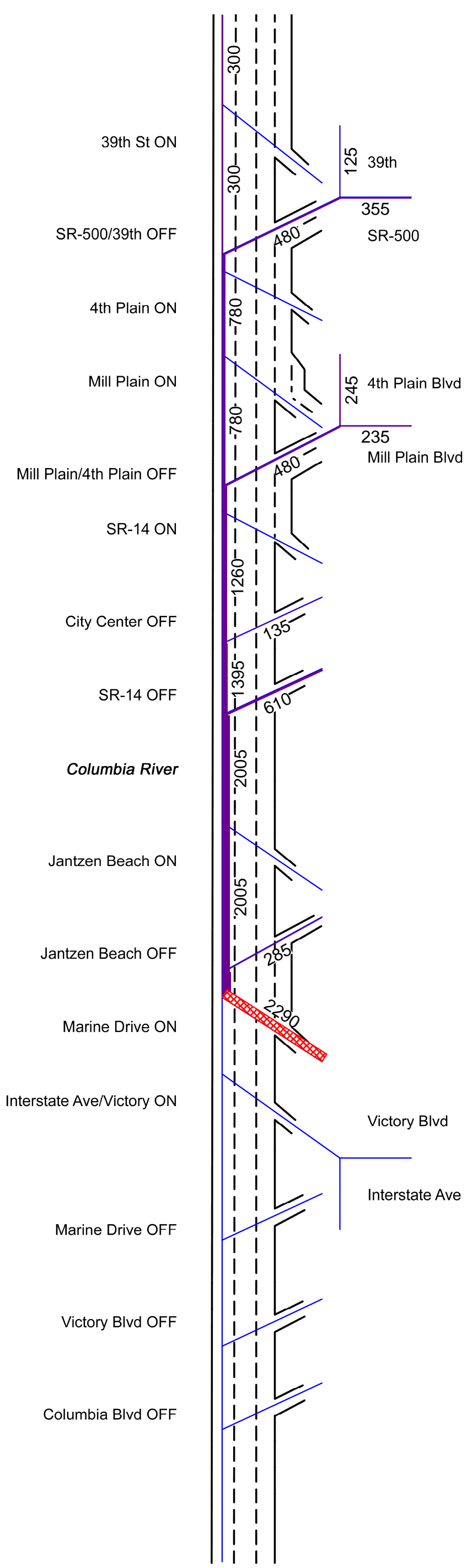
2 Hour PM Volume

VISUM 9.35	Columbia River Crossing Project	Northbound_Existing_Vols
3/31/2006	2005 Existing Northbound Volumes - Select Link at Interstate Ave/Victory Blvd On-Ramp	



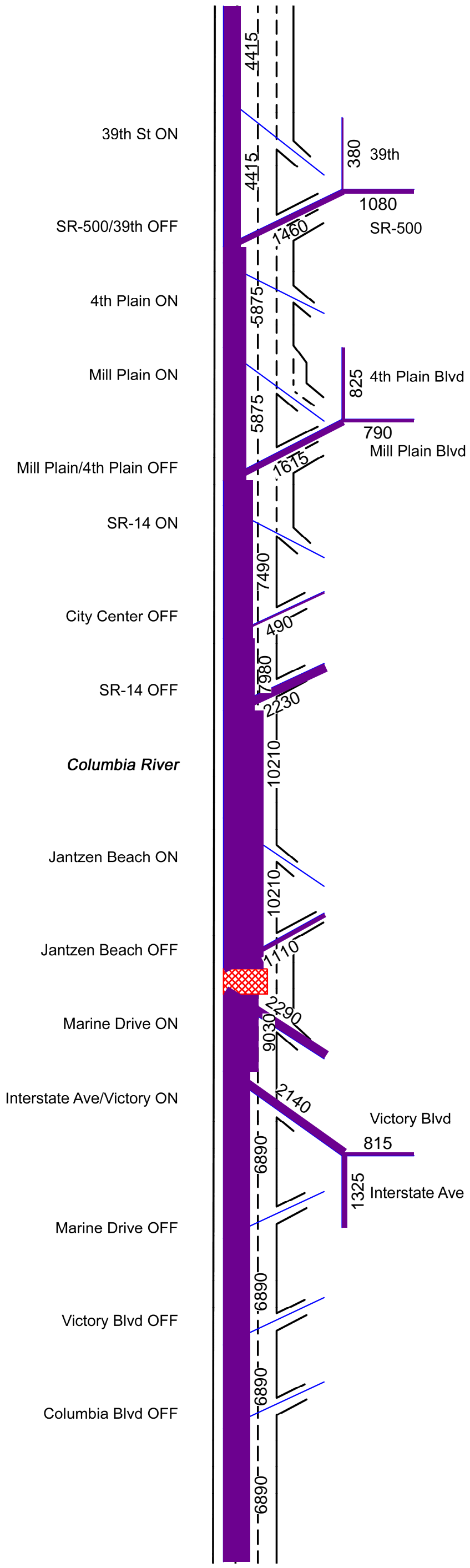
2 Hour PM Volume

VISUM 9.35	Columbia River Crossing Project	Northbound_Existing_Vols
3/31/2006	2005 Existing Northbound Volumes - Select Link Between Interstate Ave/Victory Blvd On-Ramp and Marine Dr On-Ramp	



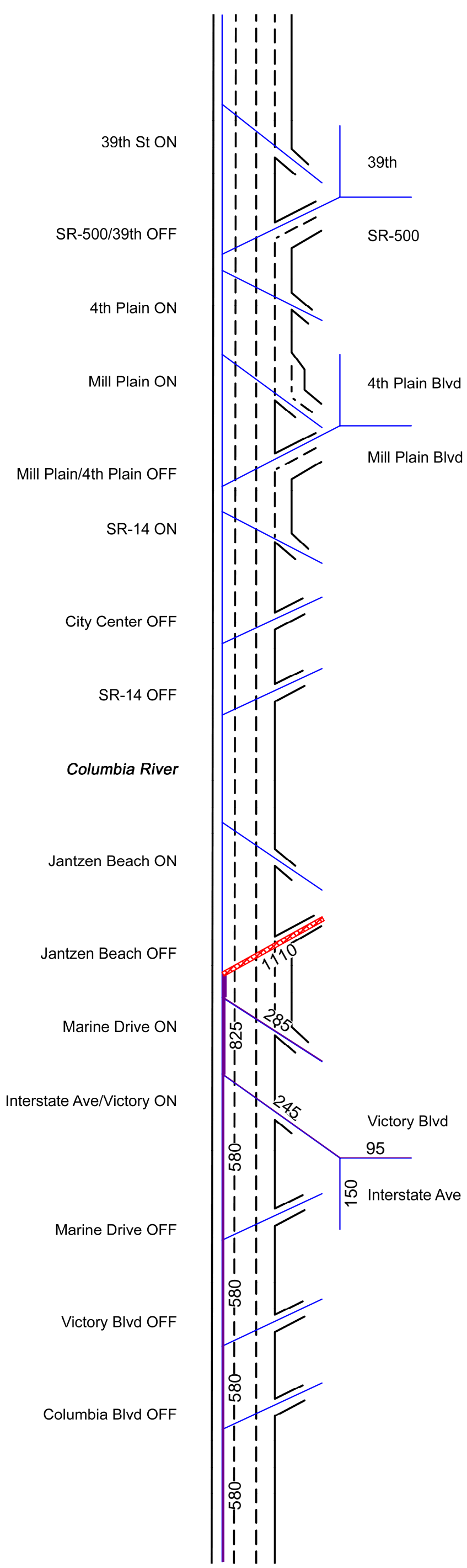
2 Hour PM Volume

VISUM 9.35	Columbia River Crossing Project	Northbound_Existing_Vols
3/31/2006	2005 Existing Northbound Volumes - Select Link at Marine Drive On-Ramp	



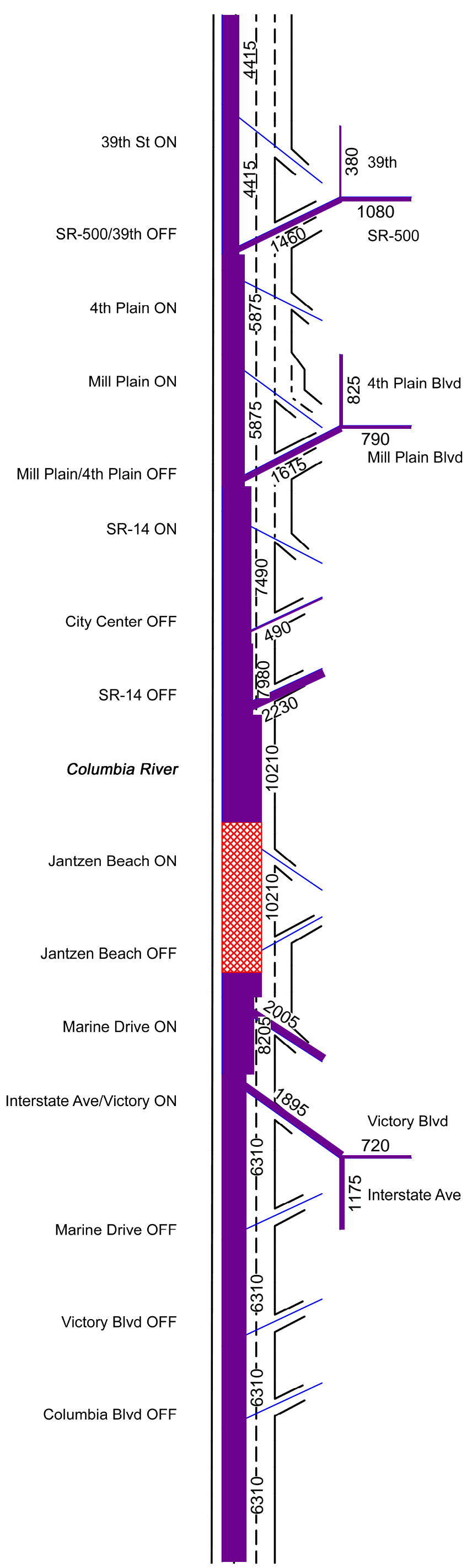
2 Hour PM Volume

VISUM 9.35	Columbia River Crossing Project	Northbound_Existing_Vols
3/31/2006	2005 Existing Northbound Volumes - Select Link Between Marine Dr On-Ramp and Jantzen Beach Off-Ramp	



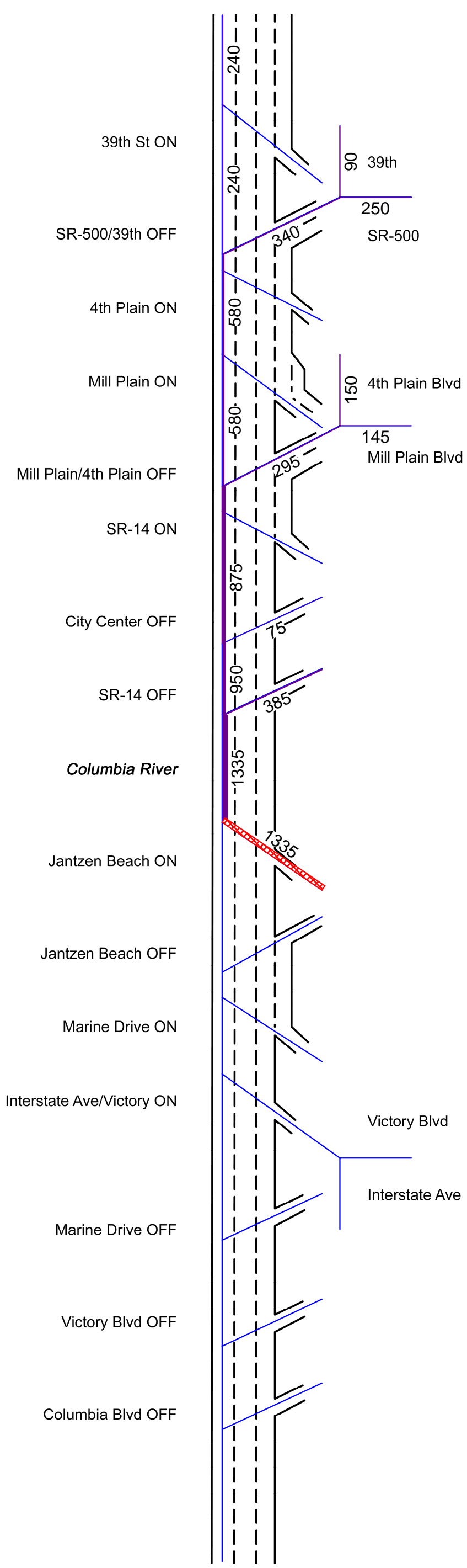
2 Hour PM Volume

VISUM 9.35	Columbia River Crossing Project	Northbound_Existing_Vols
3/31/2006	2005 Existing Northbound Volumes - Select Link at Jantzen Beach Off-Ramp	



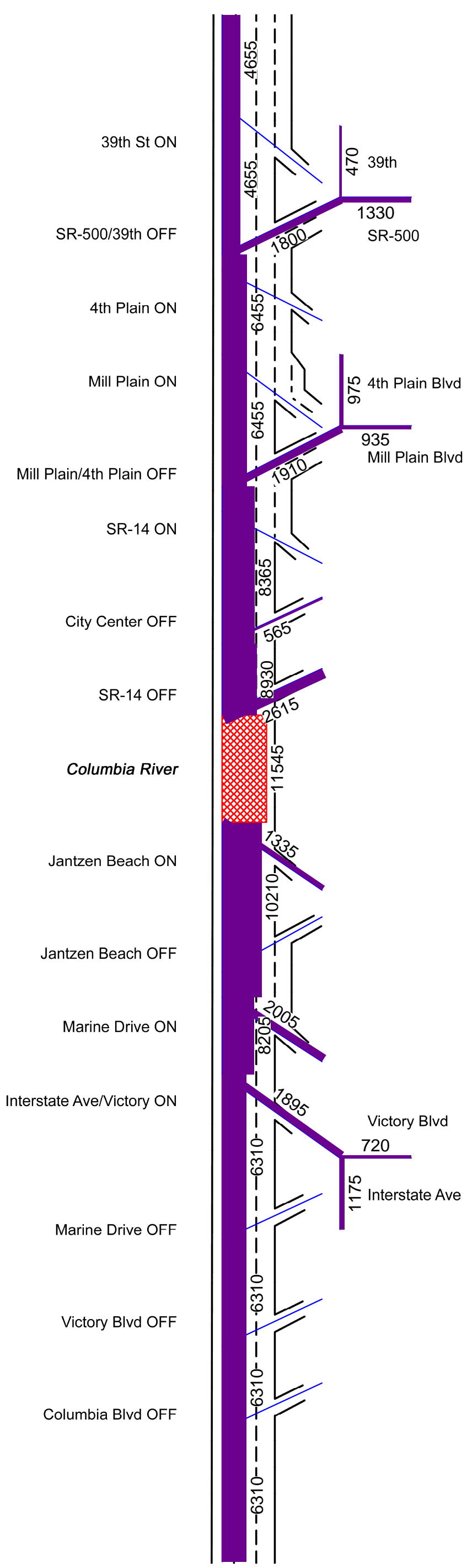
2 Hour PM Volume

VISUM 9.35	Columbia River Crossing Project	Northbound_Existing_Vols
3/31/2006	2005 Existing Northbound Volumes - Select Link Between Jantzen Beach Off-Ramp and Jantzen Beach On-Ramp	



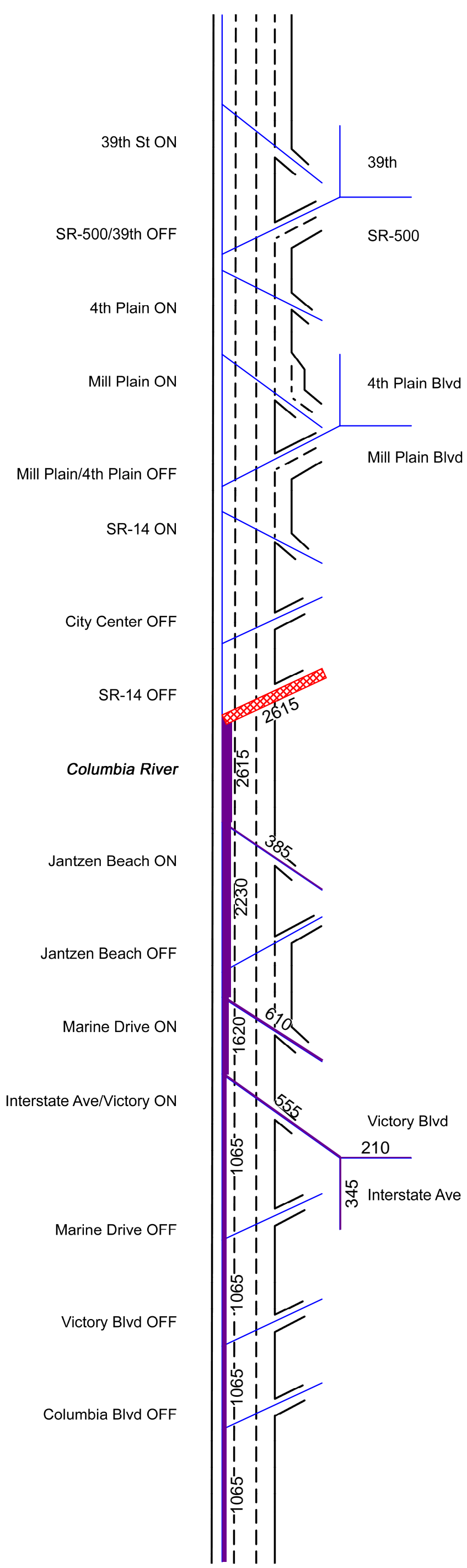
2 Hour PM Volume

VISUM 9.35	Columbia River Crossing Project	Northbound_Existing_Vols
3/31/2006	2005 Existing Northbound Volumes - Select Link at Jantzen Beach On-Ramp	



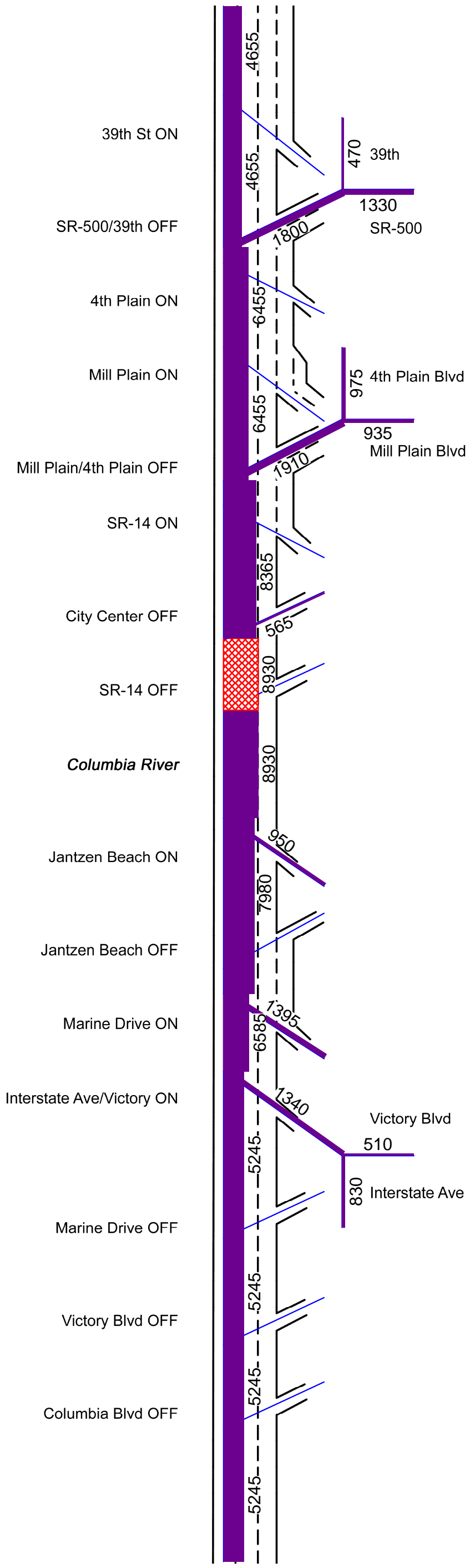
2 Hour PM Volume

VISUM 9.35	Columbia River Crossing Project	Northbound_Existing_Vols
3/31/2006	2005 Existing Northbound Volumes - Select Link at Columbia River Bridge	



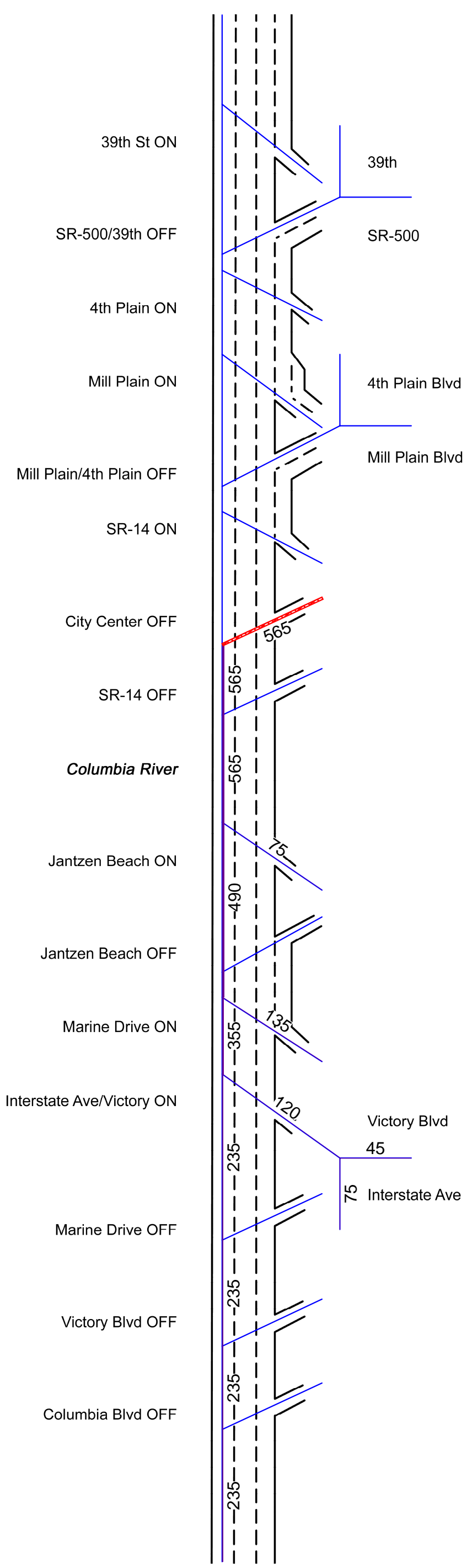
2 Hour PM Volume

VISUM 9.35	Columbia River Crossing Project	Northbound_Existing_Vols
3/31/2006	2005 Existing Northbound Volumes - Select Link at SR-14 Off-Ramp	



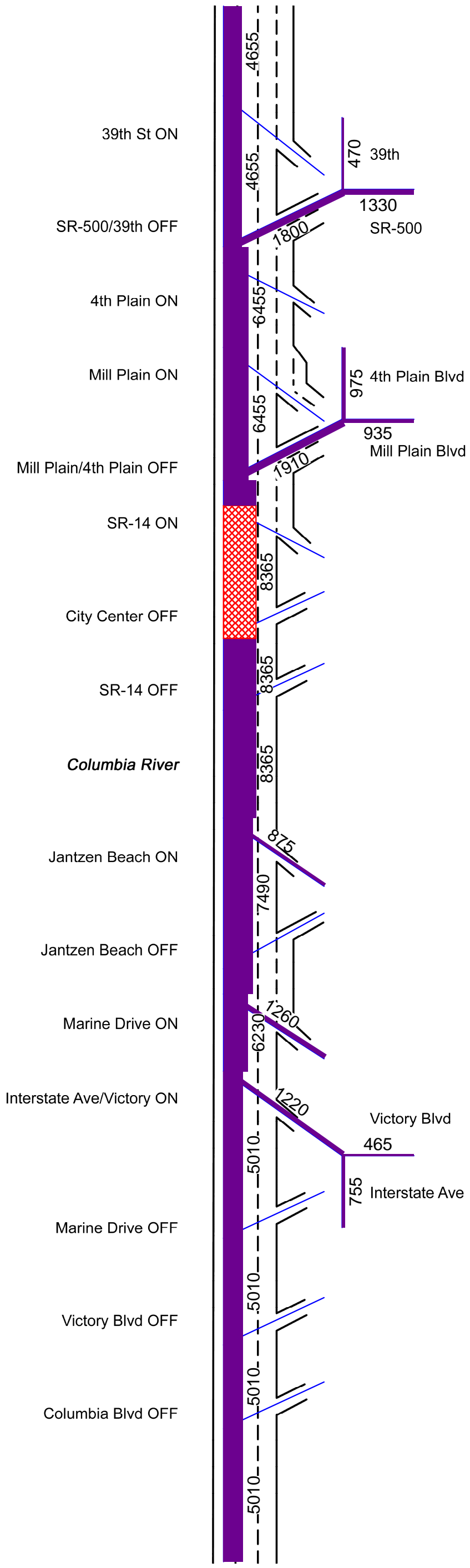
2 Hour PM Volume

VISUM 9.35	Columbia River Crossing Project	Northbound_Existing_Vols
3/31/2006	2005 Existing Northbound Volumes - Select Link Between SR-14 Off-Ramp and City Center Off-Ramp	



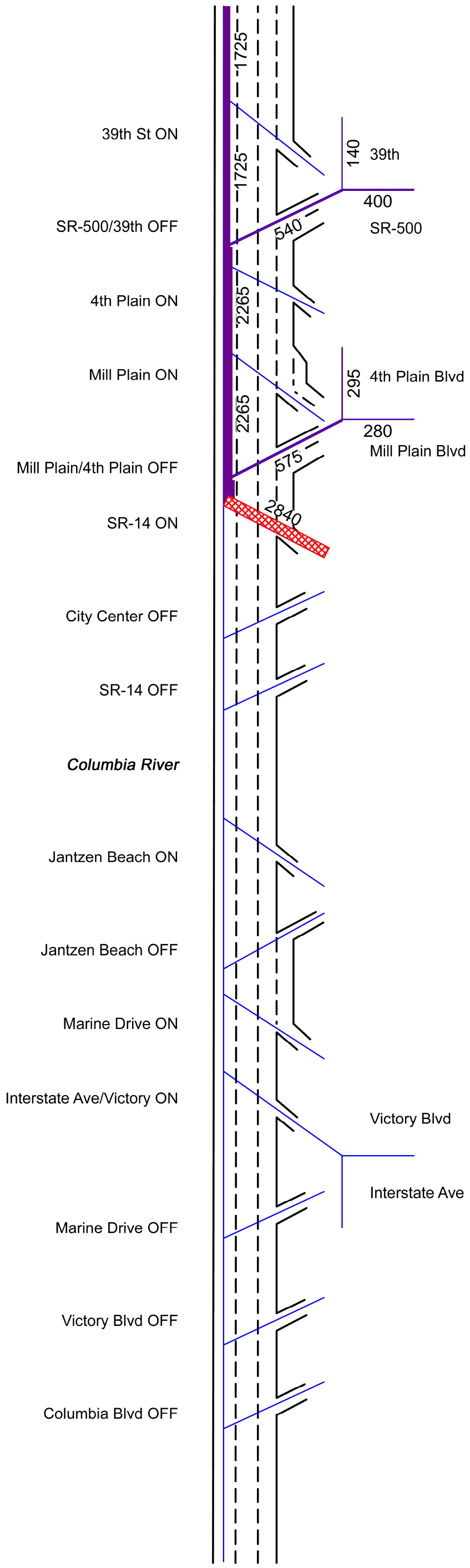
2 Hour PM Volume

VISUM 9.35	Columbia River Crossing Project	Northbound_Existing_Vols
3/31/2006	2005 Existing Northbound Volumes - Select Link at City Center Off-Ramp	



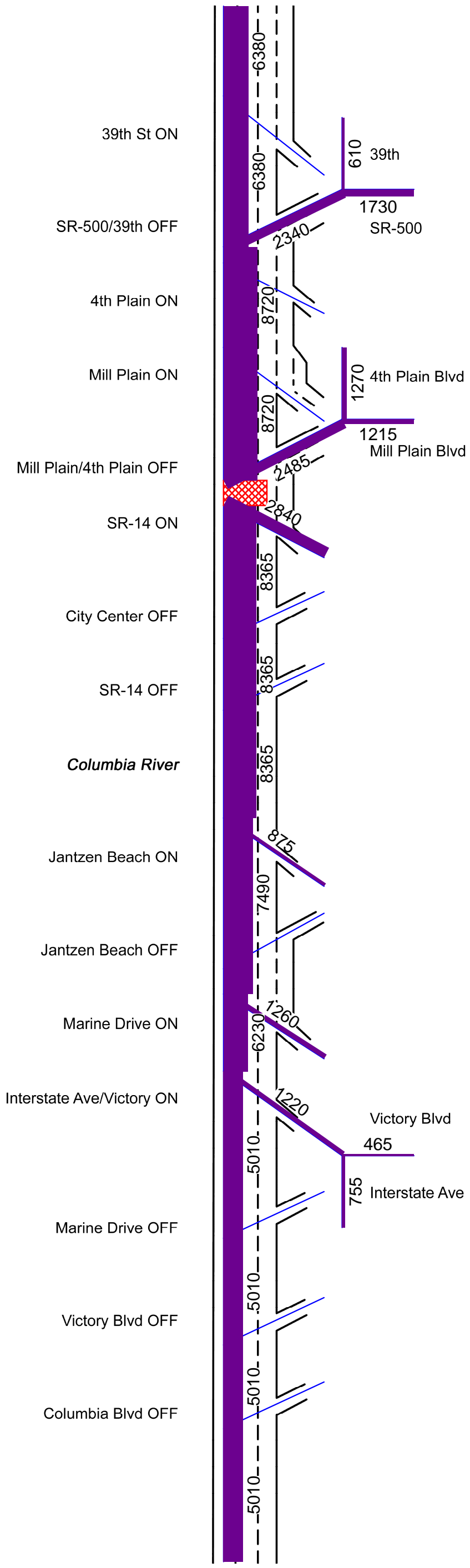
2 Hour PM Volume

VISUM 9.35	Columbia River Crossing Project	Northbound_Existing_Vols
3/31/2006	2005 Existing Northbound Volumes - Select Link Between City Center Off-Ramp and SR-14 On-Ramp	



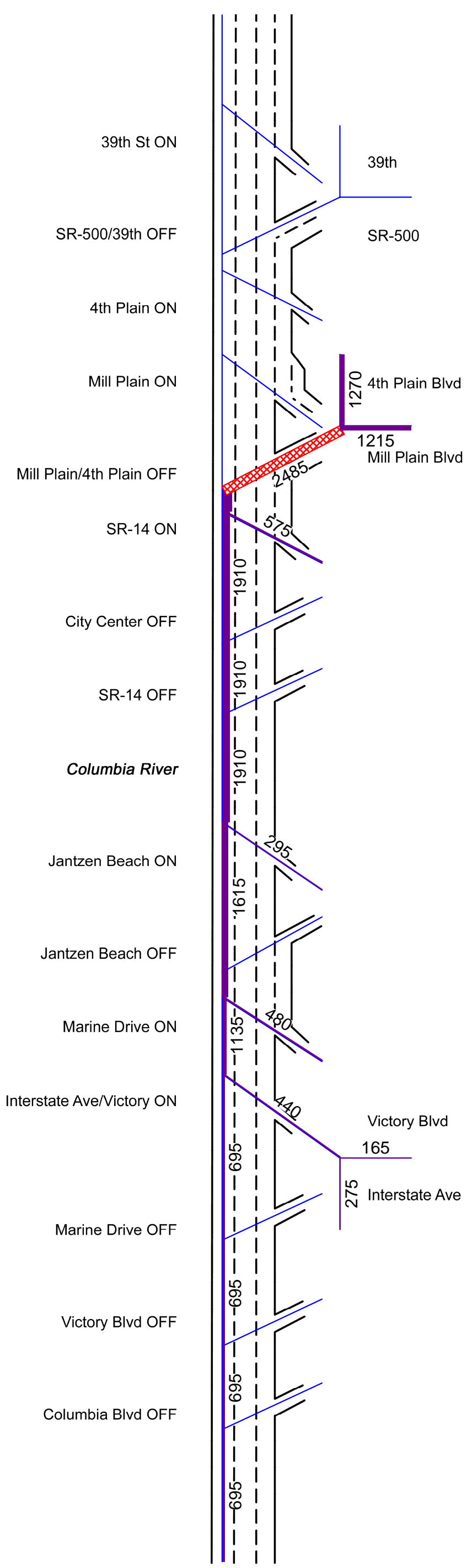
2 Hour PM Volume

VISUM 9.35	Columbia River Crossing Project	Northbound_Existing_Vols
3/31/2006	2005 Existing Northbound Volumes - Select Link at SR-14 On-Ramp	



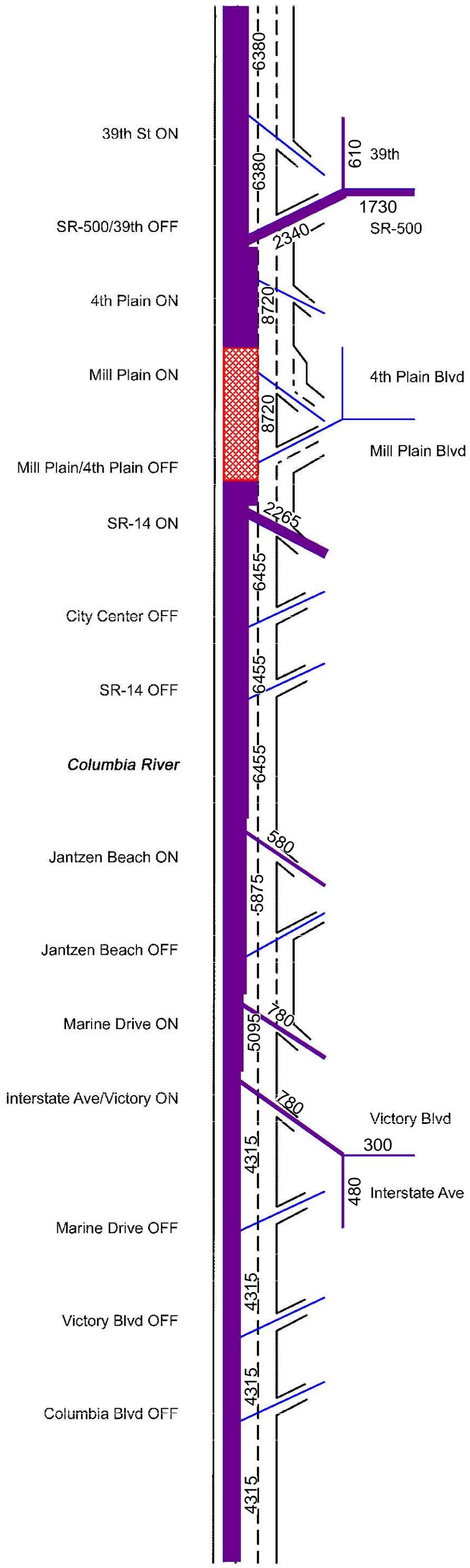
2 Hour PM Volume

VISUM 9.35	Columbia River Crossing Project	Northbound_Existing_Vols
3/31/2006	2005 Existing Northbound Volumes - Select Link Between SR-14 On-Ramp and Mill Plain Blvd/4th Plain Blvd Off-Ramp	



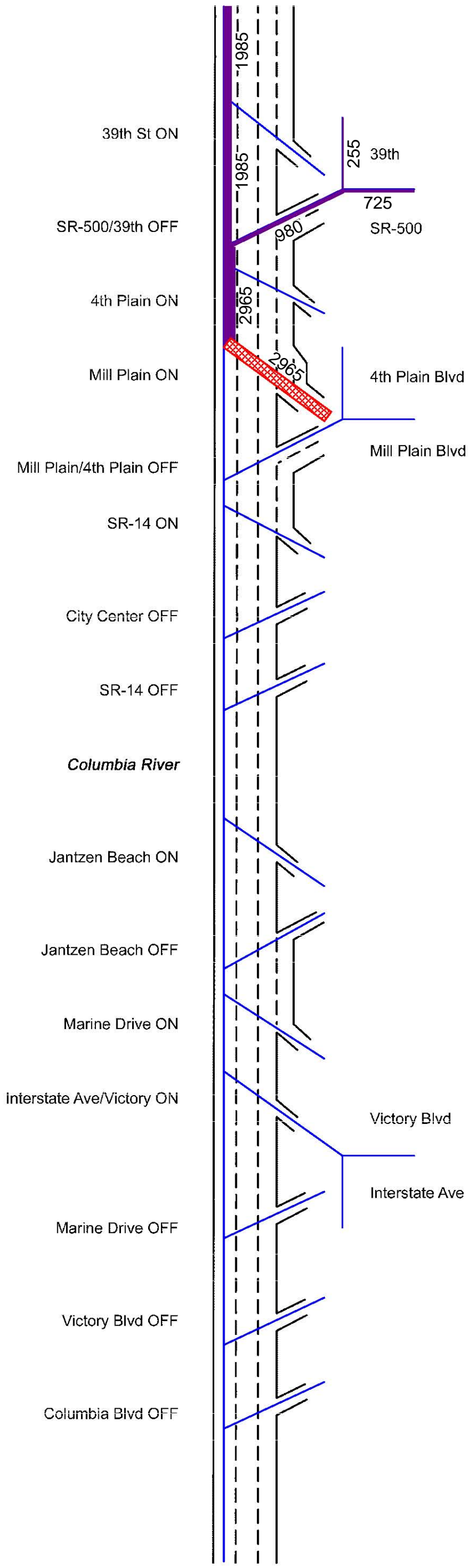
2 Hour PM Volume

VISUM 9.35	Columbia River Crossing Project	Northbound_Existing_Vols
3/31/2006	2005 Existing Northbound Volumes - Select Link at Mill Plain Blvd/4th Plain Blvd Off-Ramp	



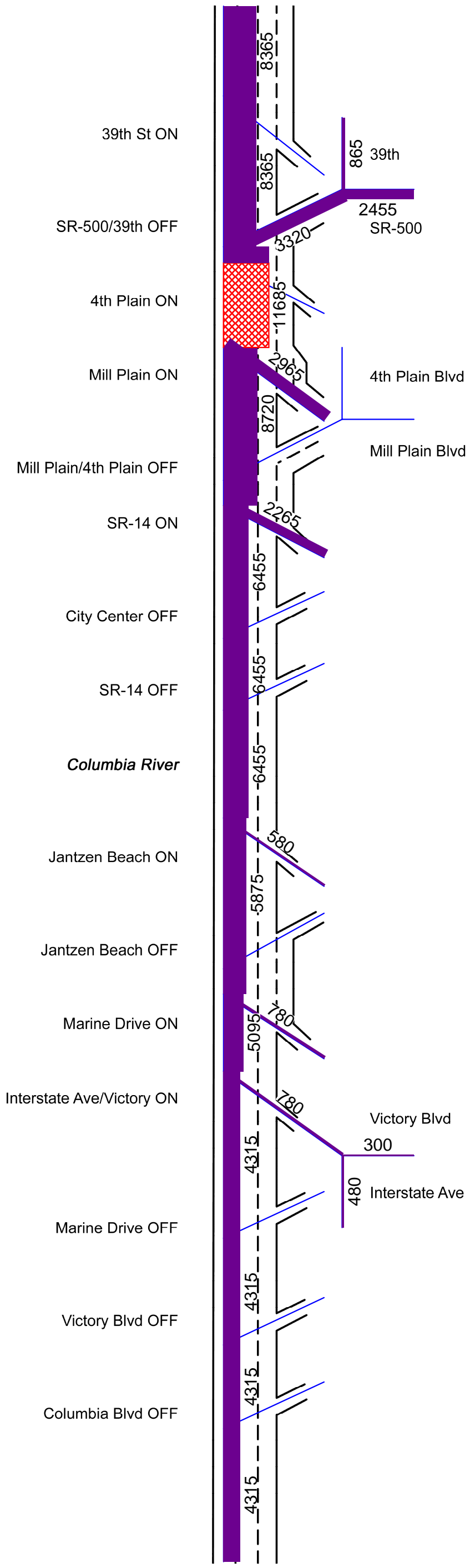
2 Hour PM Volume

VISUM 9.35	Columbia River Crossing Project	Northbound_Existing_Vols
3/31/2006	2005 Existing Northbound Volumes - Select Link Between Mill Plain/4th Plain Off-Ramp and Mill Plain Blvd On-Ramp	



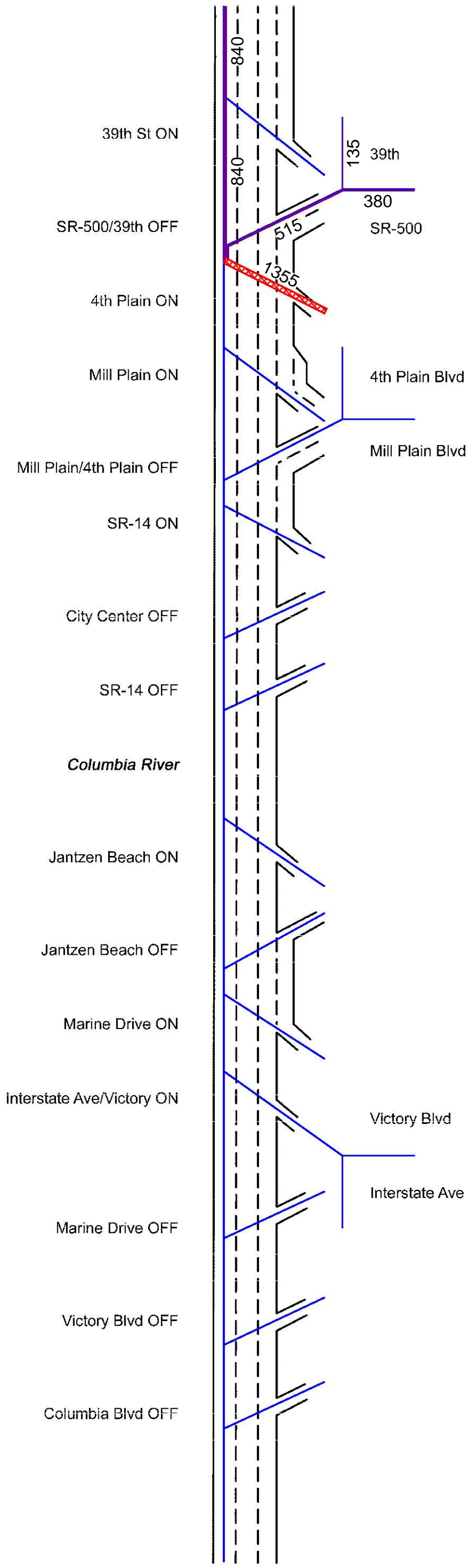
2 Hour PM Volume

VISUM 9.35	Columbia River Crossing Project	Northbound_Existing_Vols
3/31/2006	2005 Existing Northbound Volumes - Select Link at Mill Plain Blvd On-Ramp	



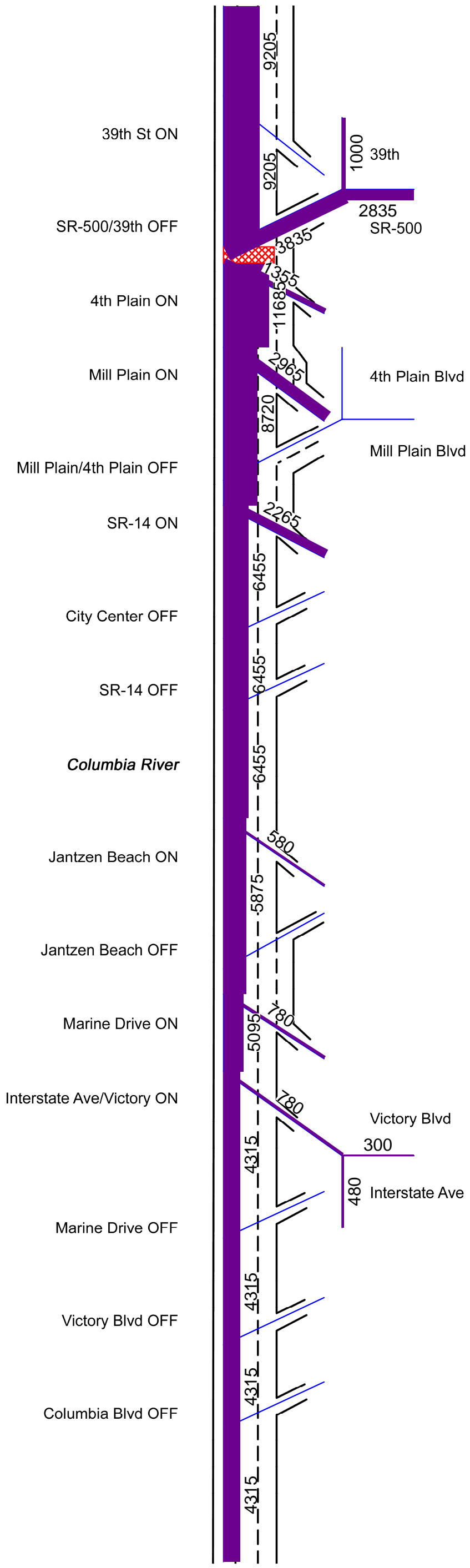
2 Hour PM Volume

VISUM 9.35	Columbia River Crossing Project	Northbound_Existing_Vols
3/31/2006	2005 Existing Northbound Volumes - Select Link Between Mill Plain Blvd On-Ramp and 4th Plain Blvd On-Ramp	



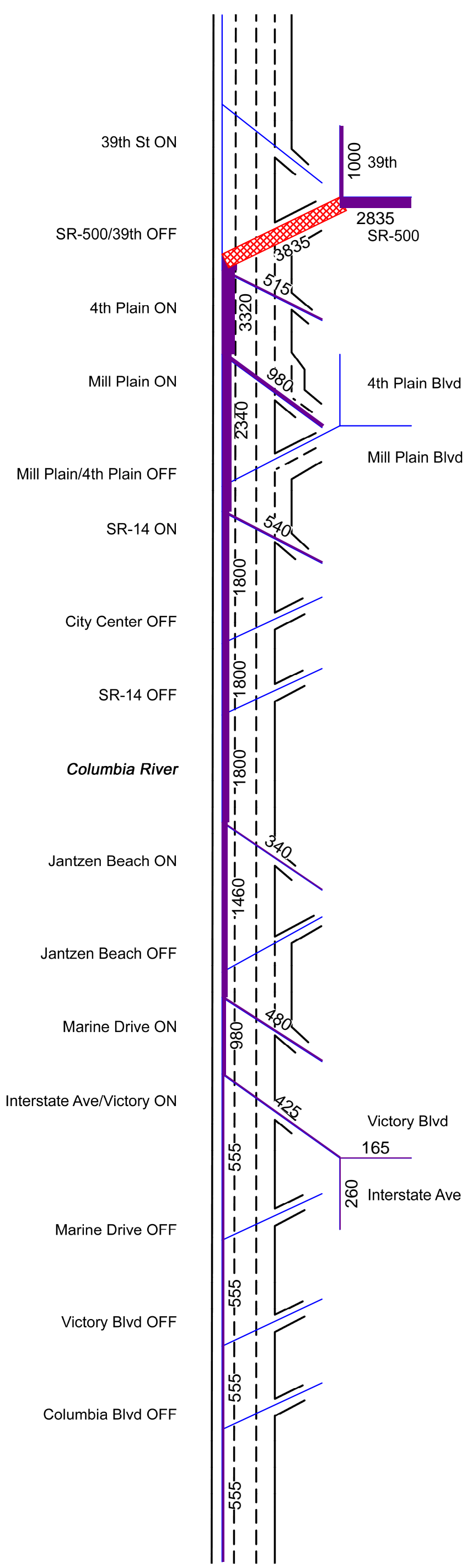
2 Hour PM Volume

VISUM 9.35	Columbia River Crossing Project	Northbound_Existing_Vols
3/31/2006	2005 Existing Northbound Volumes - Select Link at 4th Plain Blvd On-Ramp	



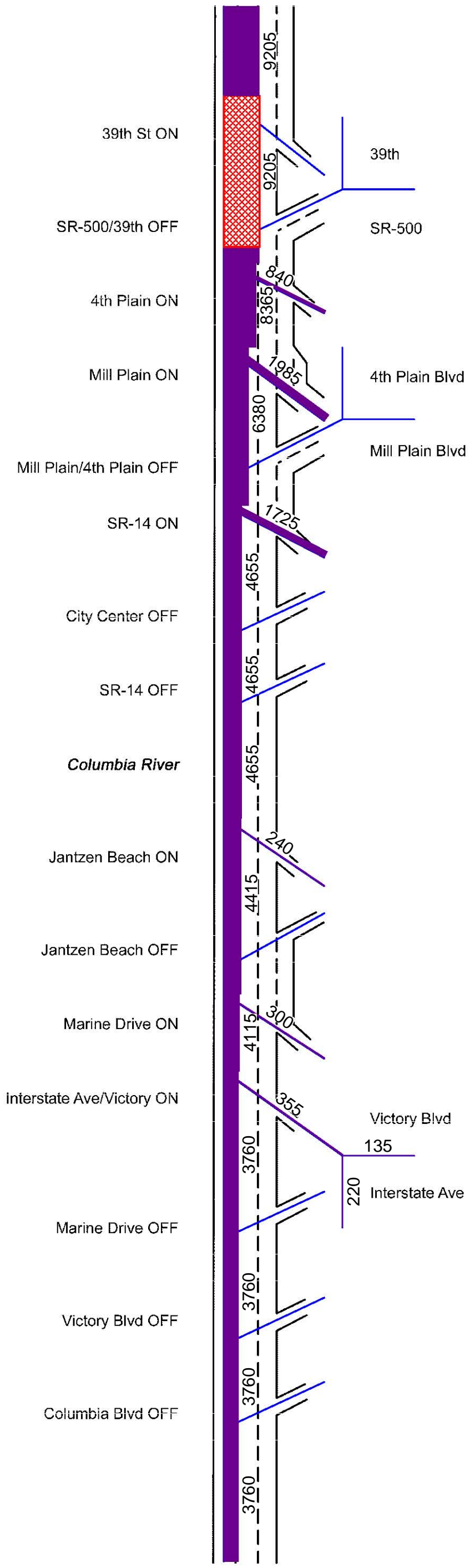
2 Hour PM Volume

VISUM 9.35	Columbia River Crossing Project	Northbound_Existing_Vols
3/31/2006	2005 Existing Northbound Volumes - Select Link Between 4th Plain Blvd On-Ramp and SR-500/39th St Off-Ramp	



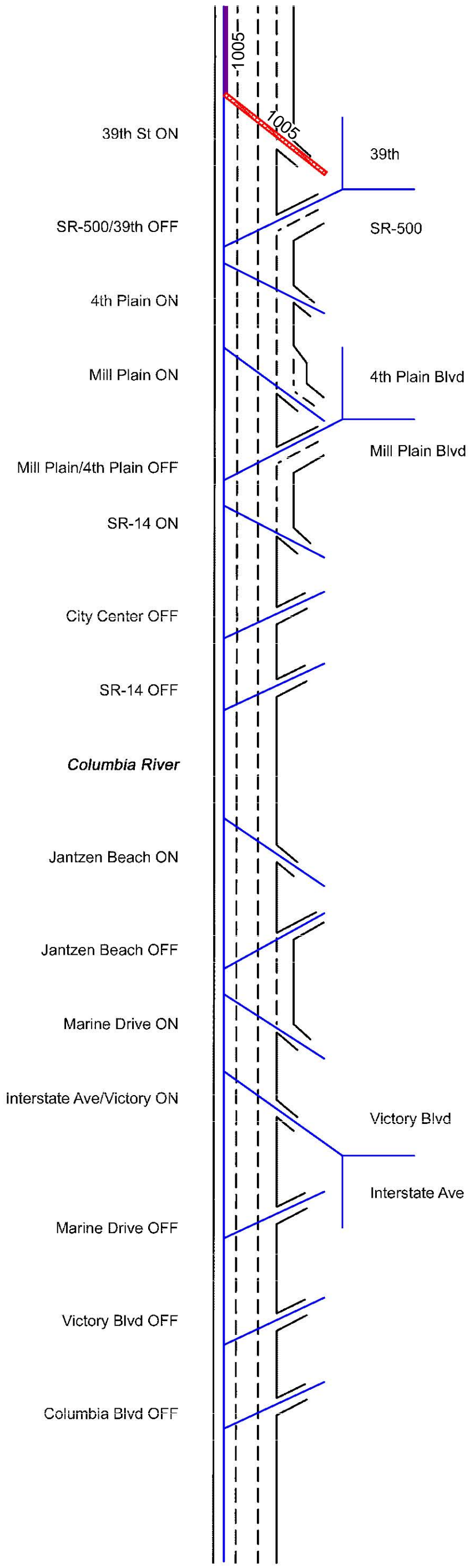
2 Hour PM Volume

VISUM 9.35	Columbia River Crossing Project	Northbound_Existing_Vols
3/31/2006	2005 Existing Northbound Volumes - Select Link at SR-500/39th St Off-Ramp	



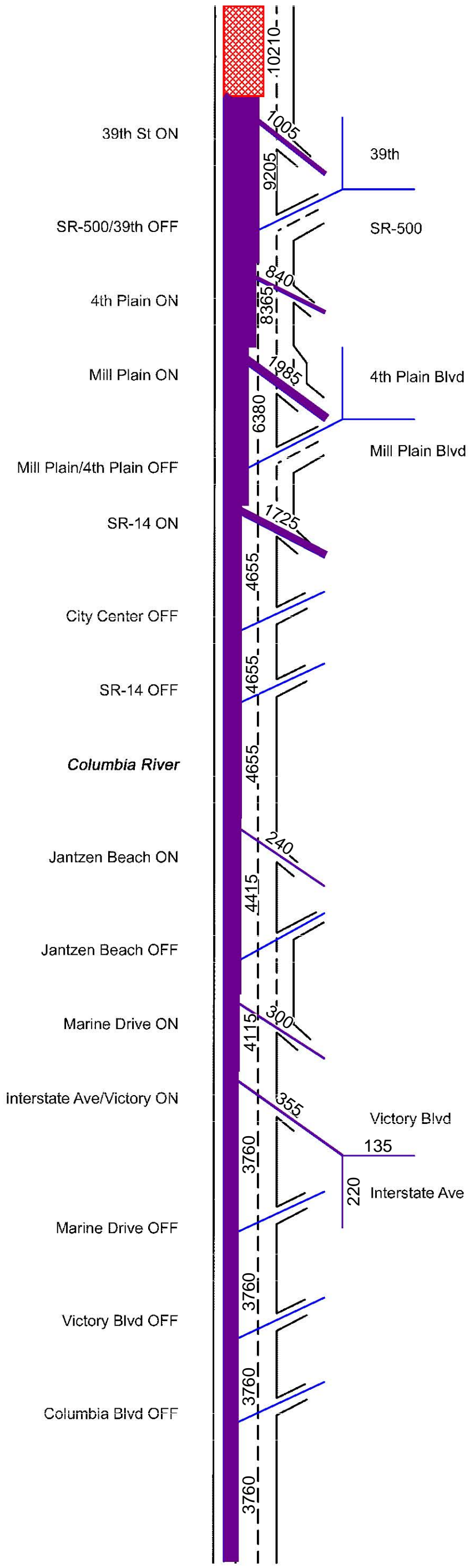
2 Hour PM Volume

VISUM 9.35	Columbia River Crossing Project	Northbound_Existing_Vols
3/31/2006	2005 Existing Northbound Volumes - Select Link Between SR-500/39th St Off-Ramp and 39th St On-Ramp	



2 Hour PM Volume

VISUM 9.35	Columbia River Crossing Project	Northbound_Existing_Vols
3/31/2006	2005 Existing Northbound Volumes - Select Link at 39th St On-Ramp	



2 Hour PM Volume

VISUM 9.35	Columbia River Crossing Project	Northbound_Existing_Vols
3/31/2006	2005 Existing Northbound Volumes - Select Link North of 39th St On-Ramp	