

# Columbia River **CROSSING**

## Origin-Destination Data



# Origin-Destination

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# Origin-Destination

## Introduction

This document summarizes the collection of travel pattern data within the Bridge Influence Area of the I-5 corridor. Northbound ramp data was collected on October 25, 2005 and southbound ramp data was collected on November 2, 2005.

## How to Use this Document

The extent of the Bridge Influence Area includes I-5 from the SR 500 interchange (Vancouver, Washington) in the north to the Columbia Boulevard interchange (Portland, Oregon) in the south. There are two pages containing the summarized travel pattern data. Each page contains southbound AM and northbound PM travel patterns. **Table 1** is an origin based table showing the distribution of trips that originate from each on-ramp in the Bridge Influence Area. **Table 2** is a destination based table showing where each trip is coming from at each of the off-ramps in the Bridge Influence Area.

Also included in this document is a memorandum graphically displaying the travel patterns within the BIA. These volumes are two-hour peak period peak direction volumes. The memorandum includes a separate overview discussing the functions of the graphical tool.

**TABLE 1: 2005 AM AND PM ORIGIN BASED O-D TABLE (Total All Vehicles)**  
**Revision Date: 2-08-06**

**NB I-5 PM 2 HOUR FLOW RATES BY ROUTE AND ENTRY POINT**

Entry and Exit Locations	Gate	Volumes	%
	(From - To)		
<b>NB I-5 Input Volume</b>			
<b>(South of Columbia Blvd Off-Ramp)</b>	<b>1</b>	<b>8177</b>	<b>100%</b>
Columbia Blvd NB OFF	1-2	560	6.8%
Victory Blvd NB OFF	1-3	290	3.5%
Marine Dr NB OFF	1-4	435	5.3%
Hayden Island NB OFF	1-7	580	7.1%
SR-14 NB OFF	1-9	1063	13.0%
City Center NB OFF	1-10	237	2.9%
Mill Plain/4th Plain Blvd NB Off	1-12	695	8.5%
SR-500/39th Street NB Off	1-15	556	6.8%
NB I-5 North of 39th St NB ON	1-17	3761	46.0%
<b>Victory/Denver Avenue NB ON Ramp Input Volume</b>			
	<b>5</b>	<b>2140</b>	<b>100%</b>
Hayden Island NB OFF	5-7	243	11.4%
SR-14 NB OFF	5-9	553	25.8%
City Center NB OFF	5-10	122	5.7%
Mill Plain/4th Plain Blvd NB Off	5-12	441	20.6%
SR-500/39th Street NB Off	5-15	428	20.0%
NB I-5 North of 39th St NB ON	5-17	353	16.5%
<b>Marine Drive NB ON Ramp Input Volume</b>			
	<b>6</b>	<b>2289</b>	<b>100%</b>
Hayden Island NB OFF	6-7	286	12.5%
SR-14 NB OFF	6-9	611	26.7%
City Center NB OFF	6-10	135	5.9%
Mill Plain/4th Plain Blvd NB Off	6-12	476	20.8%
SR-500/39th Street NB Off	6-15	481	21.0%
NB I-5 North of 39th St NB ON	6-17	300	13.1%
<b>Hayden Island NB ON Ramp Input Volume</b>			
	<b>8</b>	<b>1330</b>	<b>100%</b>
SR-14 NB OFF	8-9	383	28.8%
City Center NB OFF	8-10	76	5.7%
Mill Plain/4th Plain Blvd NB Off	8-12	294	22.1%
SR-500/39th Street NB Off	8-15	339	25.5%
NB I-5 North of 39th St NB ON	8-17	238	17.9%
<b>SR-14 WB to I-5 NB ON Ramp Input Volume</b>			
	<b>11</b>	<b>2841</b>	<b>100%</b>
Mill Plain/4th Plain Blvd NB Off	11-12	574	20.2%
SR-500/39th Street NB Off	11-15	543	19.1%
NB I-5 North of 39th St NB ON	11-17	1724	60.7%
<b>Mill Plain Blvd NB ON Ramp Input Volume</b>			
	<b>13</b>	<b>2965</b>	<b>100%</b>
SR-500/39th Street NB Off	13-15	981	33.1%
NB I-5 North of 39th St NB ON	13-17	1984	66.9%
<b>4th Plain Blvd NB ON Ramp Input Volume</b>			
	<b>14</b>	<b>1350</b>	<b>100%</b>
SR-500/39th Street NB Off	14-15	512	37.9%
NB I-5 North of 39th St NB ON	14-17	838	62.1%
<b>39th St. NB ON Ramp Input Volume</b>			
	<b>16</b>	<b>1005</b>	<b>100%</b>
NB I-5 North of 39th St NB ON	16-17	1005	100.0%

<b>A</b> Total Trips (Enter S of BIA but exit w/in BIA)	<b>4416</b>	<b>20.0%</b>
<b>B</b> Total Trips (Enter w/in BIA but exit N of BIA)	<b>6442</b>	<b>29.2%</b>
<b>C</b> Total Trips (Enter w/in BIA and exit w/in BIA)	<b>7478</b>	<b>33.8%</b>
<b>D</b> Total Trips (Through trips)	<b>3761</b>	<b>17.0%</b>
	<b>22097</b>	<b>100.0%</b>

**SB I-5 AM 2 HOUR FLOW RATES BY ROUTE AND ENTRY POINT**

Entry and Exit Locations	Gate	Volumes	%
	(From - To)		
<b>SB I-5 Input Volume</b>			
<b>(North of SR-500)</b>	<b>18</b>	<b>6450</b>	<b>100%</b>
39th St SB OFF	18-19	529	8.2%
4th Plain Blvd SB OFF	18-21	555	8.6%
Mill Plain Blvd SB OFF	18-23	909	14.1%
SR-14 SB OFF	18-25	432	6.7%
Hayden Island SB OFF	18-27	200	3.1%
Marine Dr SB OFF	18-29	581	9.0%
Denver/Victory Blvd SB OFF	18-31	432	6.7%
SB Mainline South of Columbia Blvd SB ON	18-34	2812	43.6%
<b>SR 500/39th St SB ON Ramp Input Volume</b>			
	<b>20</b>	<b>3898</b>	<b>100%</b>
4th Plain Blvd SB OFF	20-21	415	10.6%
Mill Plain Blvd SB OFF	20-23	698	17.9%
SR-14 SB OFF	20-25	129	3.3%
Hayden Island SB OFF	20-27	70	1.8%
Marine Dr SB OFF	20-29	515	13.2%
Denver/Victory Blvd SB OFF	20-31	293	7.5%
SB Mainline South of Columbia Blvd SB ON	20-34	1778	45.6%
<b>4th Plain Blvd SB ON Ramp Input Volume</b>			
	<b>22</b>	<b>896</b>	<b>100%</b>
Mill Plain Blvd SB OFF	22-23	43	4.8%
SR-14 SB OFF	22-25	159	17.7%
Hayden Island SB OFF	22-27	59	6.6%
Marine Dr SB OFF	22-29	175	19.5%
Denver/Victory Blvd SB OFF	22-31	161	18.0%
SB Mainline South of Columbia Blvd SB ON	22-34	299	33.4%
<b>Mill Plain Blvd SB ON Ramp Input Volume</b>			
	<b>24</b>	<b>2070</b>	<b>100%</b>
SR-14 SB OFF	24-25	184	8.9%
Hayden Island SB OFF	24-27	54	2.6%
Marine Dr SB OFF	24-29	402	19.4%
Denver/Victory Blvd SB OFF	24-31	174	8.4%
SB Mainline South of Columbia Blvd SB ON	24-34	1256	60.7%
<b>SR-14/City Center ON Ramp Input Volume</b>			
	<b>26</b>	<b>2060</b>	<b>100%</b>
Hayden Island SB OFF	26-27	82	4.0%
Marine Dr SB OFF	26-29	480	23.3%
Denver/Victory Blvd SB OFF	26-31	231	11.2%
SB Mainline South of Columbia Blvd SB ON	26-34	1267	61.5%
<b>Hayden Island SB ON Ramp Input Volume</b>			
	<b>28</b>	<b>631</b>	<b>100%</b>
Marine Dr SB OFF	28-29	144	22.8%
Denver/Victory Blvd SB OFF	28-31	178	28.2%
SB Mainline South of Columbia Blvd SB ON	28-34	309	49.0%
<b>Marine Dr SB ON Ramp Input Volume</b>			
	<b>30</b>	<b>420</b>	<b>100%</b>
Denver/Victory Blvd SB OFF	30-31	102	24.3%
SB Mainline South of Columbia Blvd SB ON	30-34	318	75.7%
<b>Victory Blvd SB ON Ramp Input Volume</b>			
	<b>32</b>	<b>190</b>	<b>100%</b>
SB Mainline South of Columbia Blvd SB ON	32-34	190	100.0%
<b>Columbia Blvd SB ON Ramp Input Volume</b>			
	<b>33</b>	<b>915</b>	<b>100%</b>
SB Mainline South of Columbia Blvd SB ON	33-34	915	100.0%

<b>A</b> Total Trips (Enter N of BIA but exit w/in BIA)	<b>3638</b>	<b>20.8%</b>
<b>B</b> Total Trips (Enter w/in BIA but exit S of BIA)	<b>6332</b>	<b>36.1%</b>
<b>C</b> Total Trips (Enter w/in BIA and exit w/in BIA)	<b>4748</b>	<b>27.1%</b>
<b>D</b> Total Trips (Through trips)	<b>2812</b>	<b>16.0%</b>
	<b>17530</b>	<b>100.0%</b>

**TABLE 2: 2005 AM AND PM DESTINATION BASED O-D TABLE (Total All Vehicles)**  
 Revision Date: 2-08-06

**NB I-5 PM 2 HOUR FLOW RATES BY ROUTE AND ENTRY POINT**

Entry and Exit Locations	Gate	Volumes	%
	(From - To)		
<b>Columbia Blvd NB OFF Ramp Volume</b>	<b>2</b>	<b>560</b>	<b>100%</b>
NB I-5 South of Columbia Blvd NB OFF	1-2	560	100.0%
<b>Victory Blvd NB OFF Ramp Volume</b>	<b>3</b>	<b>290</b>	<b>100%</b>
NB I-5 South of Columbia Blvd NB OFF	1-3	290	100.0%
<b>Marine Dr NB OFF Ramp Volume</b>	<b>4</b>	<b>435</b>	<b>100%</b>
NB I-5 South of Columbia Blvd NB OFF	1-4	435	100.0%
<b>Hayden Island NB OFF Ramp Volume</b>	<b>7</b>	<b>1109</b>	<b>100%</b>
NB I-5 South of Columbia Blvd NB OFF	1-7	580	52.3%
Victory/Denver Ave NB ON	5-7	243	21.9%
Marine Dr NB ON	6-7	286	25.8%
<b>I-5 NB to SR-14 EB Ramp Volume</b>	<b>9</b>	<b>2610</b>	<b>100%</b>
NB I-5 South of Columbia Blvd NB OFF	1-9	1063	40.7%
Victory/Denver Ave NB ON	5-9	553	21.2%
Marine Dr NB ON	6-9	611	23.4%
Hayden Island NB ON	8-9	383	14.7%
<b>City Center NB OFF Ramp Volume</b>	<b>10</b>	<b>570</b>	<b>100%</b>
NB I-5 South of Columbia Blvd NB OFF	1-10	237	41.6%
Victory/Denver Ave NB ON	5-10	122	21.4%
Marine Dr NB ON	6-10	135	23.7%
Hayden Island NB ON	8-10	76	13.3%
<b>Mill Plain/4th Plain Blvd NB Off</b>	<b>12</b>	<b>2480</b>	<b>100%</b>
NB I-5 South of Columbia Blvd NB OFF	1-12	695	28.0%
Victory/Denver Ave NB ON	5-12	441	17.8%
Marine Dr NB ON	6-12	476	19.2%
Hayden Island NB ON	8-12	294	11.9%
SR-14 WB to I-5 NB ON	11-12	574	23.1%
<b>SR-500/39th Street NB Off</b>	<b>15</b>	<b>3840</b>	<b>100%</b>
Mainline NB south of Columbia Blvd.	1-15	556	14.5%
Victory/Denver Avenue NB On	5-15	428	11.1%
Marine Drive NB On	6-15	481	12.5%
Hayden Island NB On	8-15	339	8.8%
SR-14 NB On	11-15	543	14.1%
Mill Plain Blvd. NB On	13-15	981	25.5%
4th Plain Blvd. NB On	14-15	512	13.3%
<b>NB I-5 Output Volume</b> (North of 39th St. NB On-Ramp)	<b>17</b>	<b>10203</b>	<b>100%</b>
Mainline NB south of Columbia Blvd.	1-17	3761	36.9%
Victory/Denver Avenue NB On	5-17	353	3.5%
Marine Drive NB On	6-17	300	2.9%
Hayden Island NB On	8-17	238	2.3%
SR-14 NB On	11-17	1724	16.9%
Mill Plain Blvd. NB On	13-17	1984	19.4%
4th Plain Blvd. NB On	14-17	838	8.2%
39th Street NB On	16-17	1005	9.9%

<b>A</b> Total Trips (Enter N of BIA but exit w/in BIA)	<b>4416</b>	<b>20.0%</b>
<b>B</b> Total Trips (Enter w/in BIA but exit S of BIA)	<b>6442</b>	<b>29.2%</b>
<b>C</b> Total Trips (Enter w/in BIA and exit w/in BIA)	<b>7478</b>	<b>33.8%</b>
<b>D</b> Total Trips (Through trips)	<b>3761</b>	<b>17.0%</b>
	<b>22097</b>	<b>100.0%</b>

**SB I-5 AM 2 HOUR FLOW RATES BY ROUTE AND ENTRY POINT**

Entry and Exit Locations	Gate	Volumes	%
	(From - To)		
<b>39th St SB OFF Ramp Volume</b>	<b>21</b>	<b>529</b>	<b>100%</b>
SB Mainline North of SR-500	20-21	529	100.0%
<b>4th Plain Blvd SB OFF Ramp Volume</b>	<b>23</b>	<b>970</b>	<b>100%</b>
SB Mainline North of SR-500	20-23	555	57.2%
SR-500/39th St SB ON	22-23	415	42.8%
<b>Mill Plain Blvd SB OFF Ramp Volume</b>	<b>25</b>	<b>1650</b>	<b>100%</b>
SB Mainline North of SR-500	20-25	909	55.1%
SR-500/39th St SB ON	22-25	698	42.3%
4th Plain Blvd SB ON	24-25	43	2.6%
<b>I-5 SB to SR-14 EB OFF Ramp Volume</b>	<b>27</b>	<b>904</b>	<b>100%</b>
SB Mainline North of SR-500	20-27	432	47.8%
SR-500/39th St SB ON	22-27	129	14.3%
4th Plain Blvd SB ON	24-27	159	17.6%
Mill Plain Blvd SB ON	26-27	184	20.4%
<b>Hayden Island SB OFF Ramp Volume</b>	<b>29</b>	<b>465</b>	<b>100%</b>
SB Mainline North of SR-500	20-29	200	43.0%
SR-500/39th St SB ON	22-29	70	15.1%
4th Plain Blvd SB ON	24-29	59	12.7%
Mill Plain Blvd SB ON	26-29	54	11.6%
SR-14/City Center SB ON	28-29	82	17.6%
<b>Marine Dr SB OFF Ramp Volume</b>	<b>31</b>	<b>2297</b>	<b>100%</b>
SB Mainline North of SR-500	20-31	581	25.3%
SR-500/39th St SB ON	22-31	515	22.4%
4th Plain Blvd SB ON	24-31	175	7.6%
Mill Plain Blvd SB ON	26-31	402	17.5%
SR-14/City Center SB ON	28-31	480	20.9%
Hayden Island SB ON	30-31	144	6.3%
<b>Denver/Victory Blvd SB OFF Ramp Volume</b>	<b>33</b>	<b>1571</b>	<b>100%</b>
SB Mainline North of SR-500	20-33	432	27.5%
SR-500/39th St SB ON	22-33	293	18.7%
4th Plain Blvd SB ON	24-33	161	10.2%
Mill Plain Blvd SB ON	26-33	174	11.1%
SR-14/City Center SB ON	28-33	231	14.7%
Hayden Island SB ON	30-33	178	11.3%
Marine Dr SB ON	32-33	102	6.5%
<b>SB I-5 Output Volume</b> (South of Columbia Blvd SB On-Ramp)	<b>36</b>	<b>9144</b>	<b>100%</b>
SB Mainline North of SR-500	20-36	2812	30.8%
SR-500/39th St SB ON	22-36	1778	19.4%
4th Plain Blvd SB ON	24-36	299	3.3%
Mill Plain Blvd SB ON	26-36	1256	13.7%
SR-14/City Center SB ON	28-36	1267	13.9%
Hayden Island SB ON	30-36	309	3.4%
Marine Dr SB ON	32-36	318	3.5%
Victory Blvd SB ON	34-36	190	2.1%
Columbia Blvd SB ON	35-36	915	10.0%

<b>A</b> Total Trips (Enter N of BIA but exit w/in BIA)	<b>3638</b>	<b>20.8%</b>
<b>B</b> Total Trips (Enter w/in BIA but exit S of BIA)	<b>6332</b>	<b>36.1%</b>
<b>C</b> Total Trips (Enter w/in BIA and exit w/in BIA)	<b>4748</b>	<b>27.1%</b>
<b>D</b> Total Trips (Through trips)	<b>2812</b>	<b>16.0%</b>
	<b>17530</b>	<b>100.0%</b>



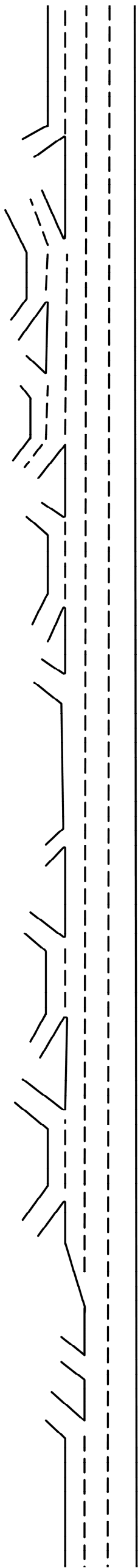
## EXISTING I-5 BIA MAINLINE AND RAMP TRAVEL PATTERNS

**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

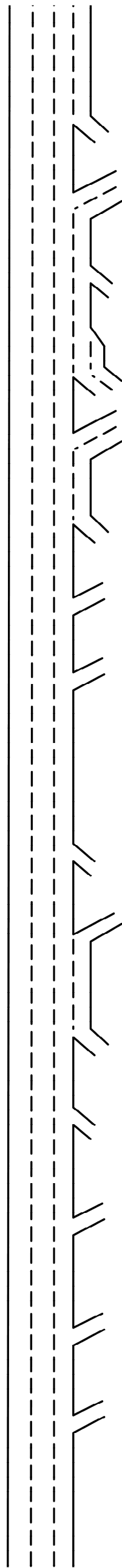
Marine Drive ON

Interstate Ave/Victory ON

Marine Drive OFF

Victory Blvd OFF

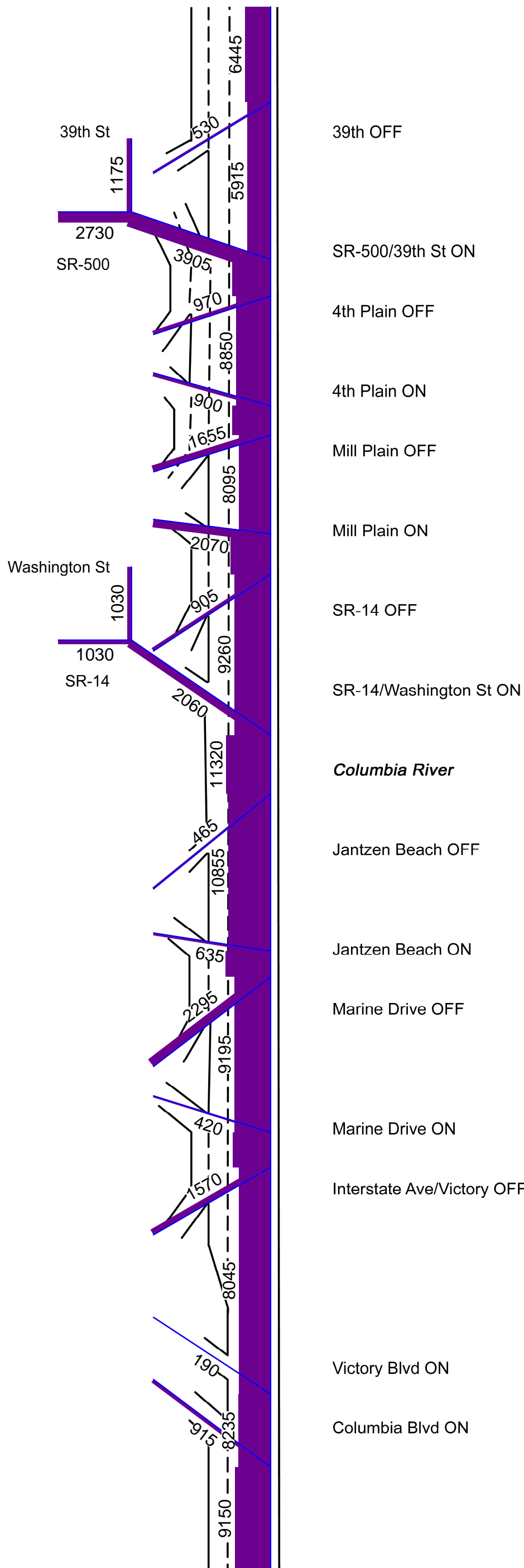
Columbia Blvd OFF



**2 Hour AM Volume**

**2 Hour PM Volume**

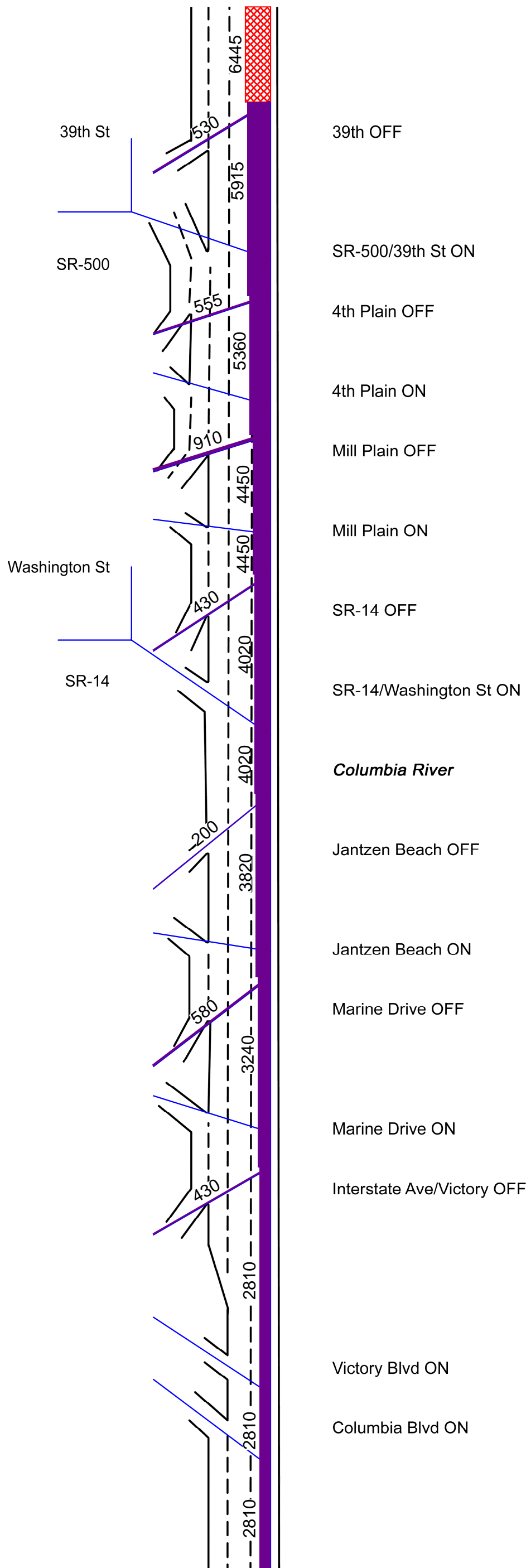
VISUM 9.35	Columbia River Crossing Project	BIA Existing Vols
4/5/200604/05/06	I-5 Bridge Influence Area	



**2 Hour AM Volume**

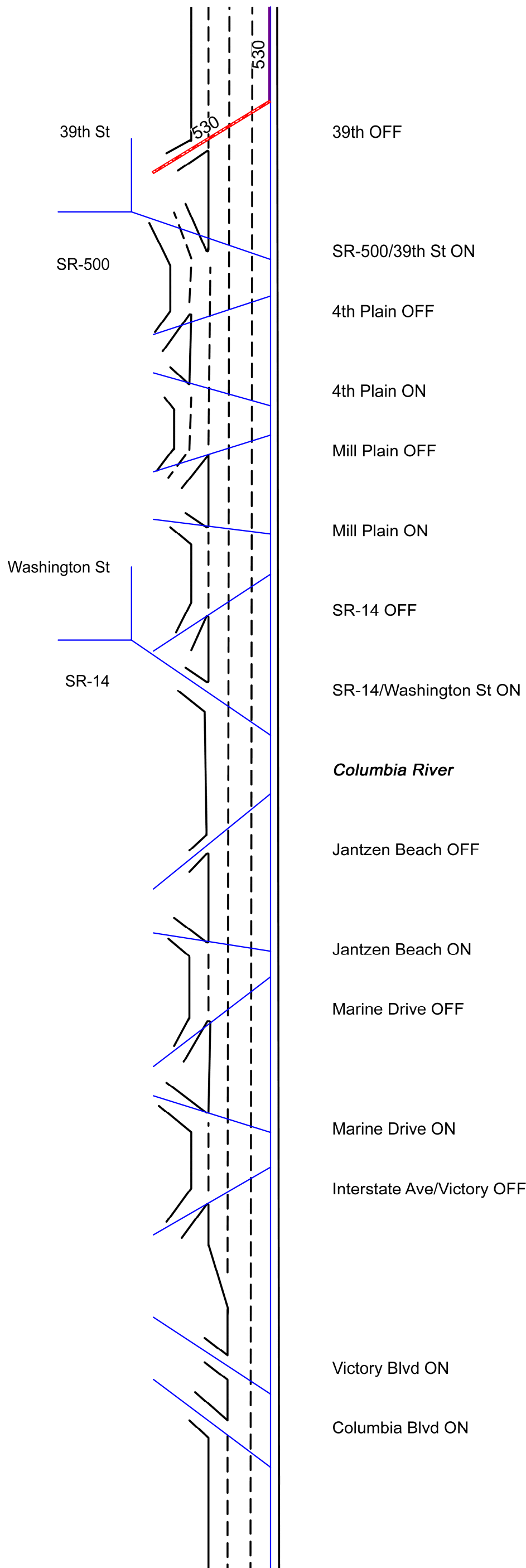
VISUM 9.35	Columbia River Crossing Project	Southbound_Existing_Vols
4/3/2006	2005 Existing Southbound Volumes - Total	





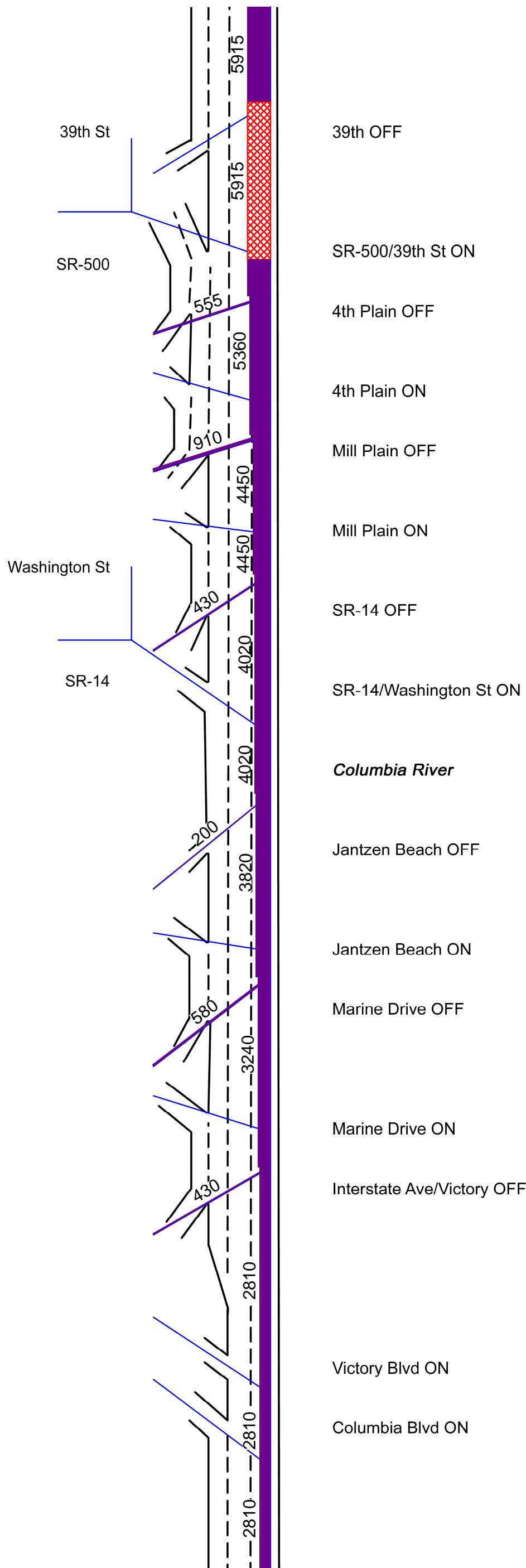
**2 Hour AM Volume**

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



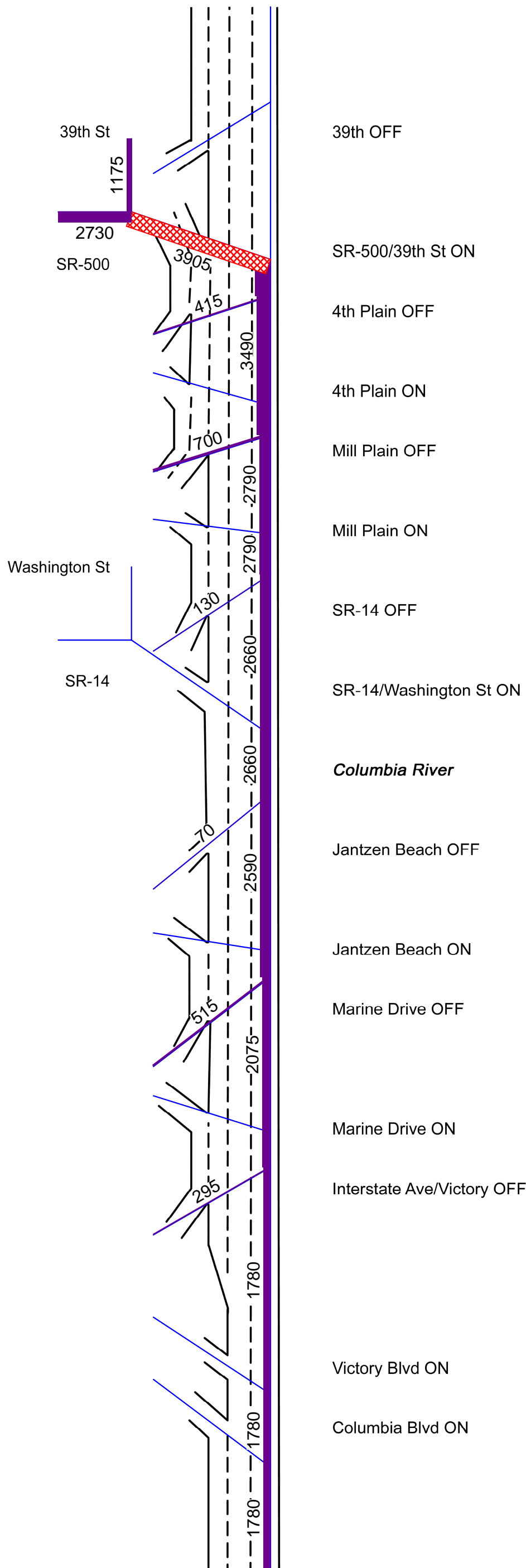
**2 Hour AM Volume**

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



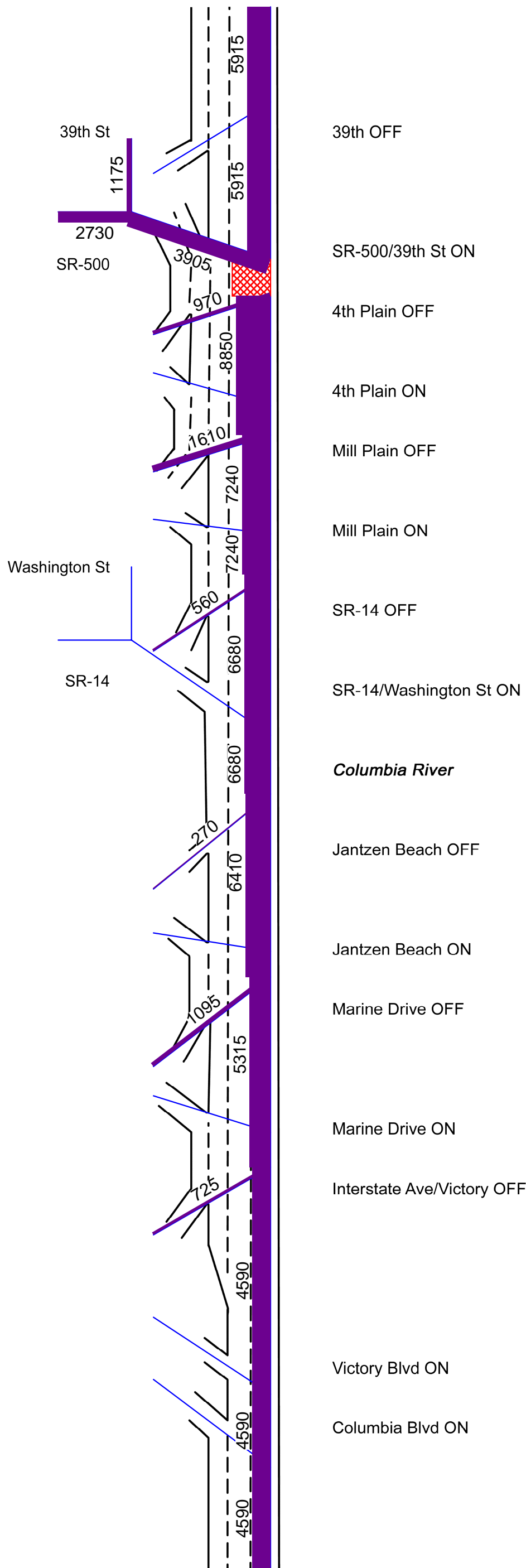
**2 Hour AM Volume**

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	



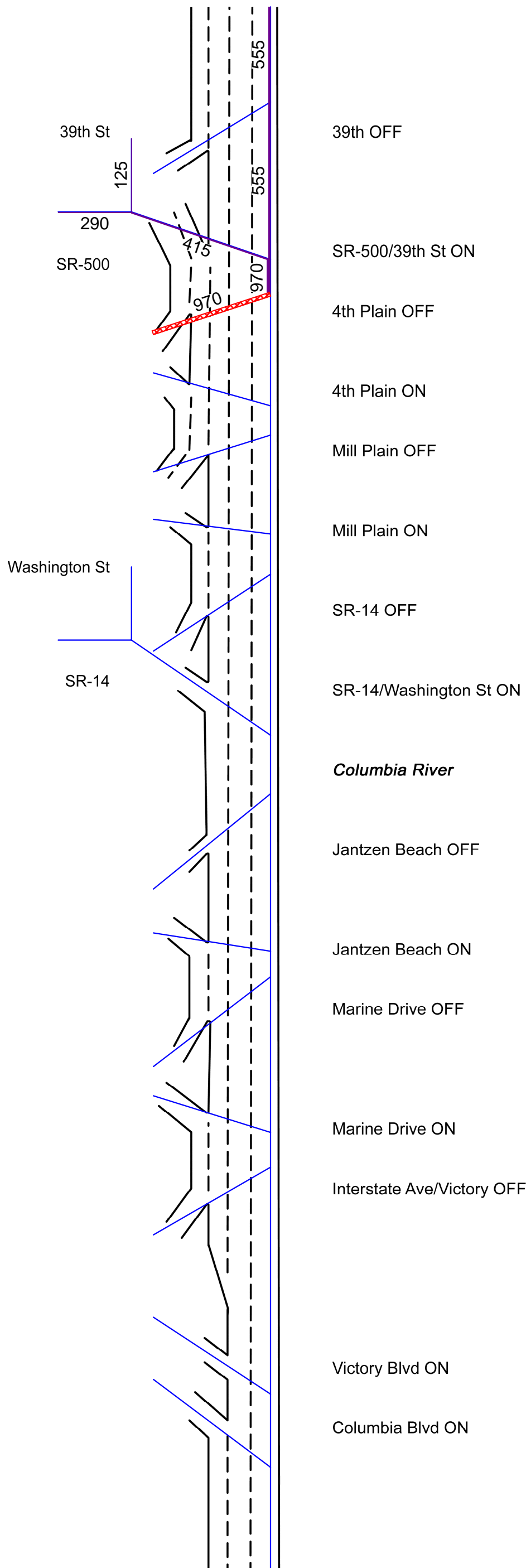
**2 Hour AM Volume**

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	



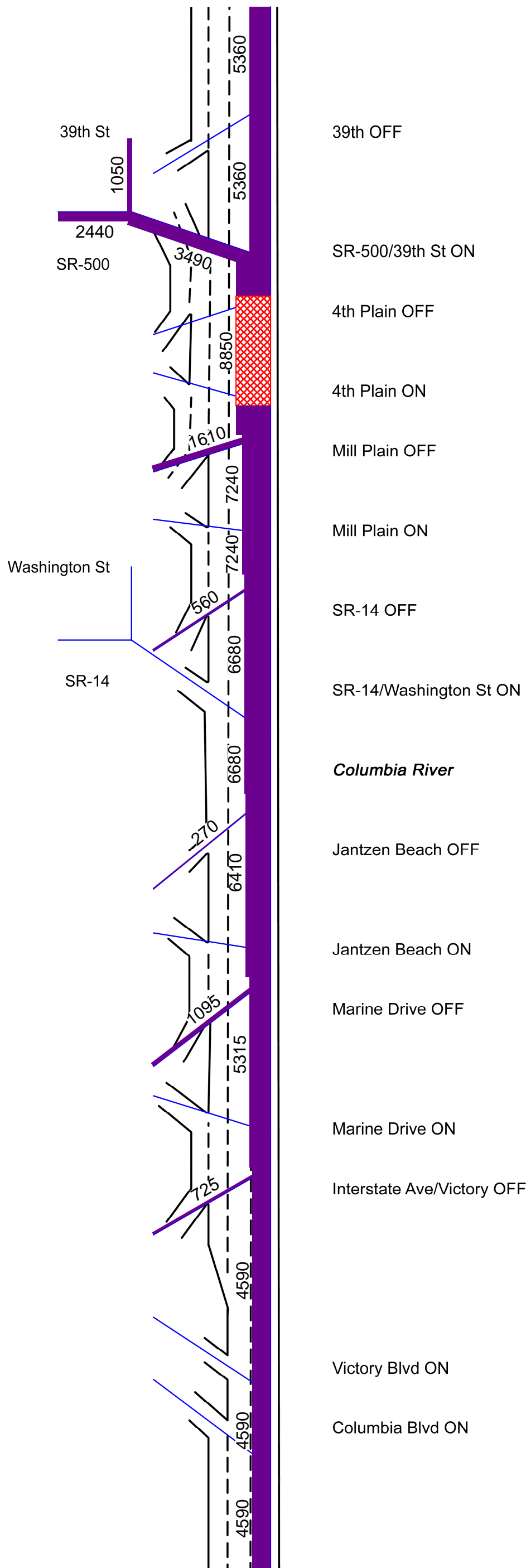
**2 Hour AM Volume**

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	



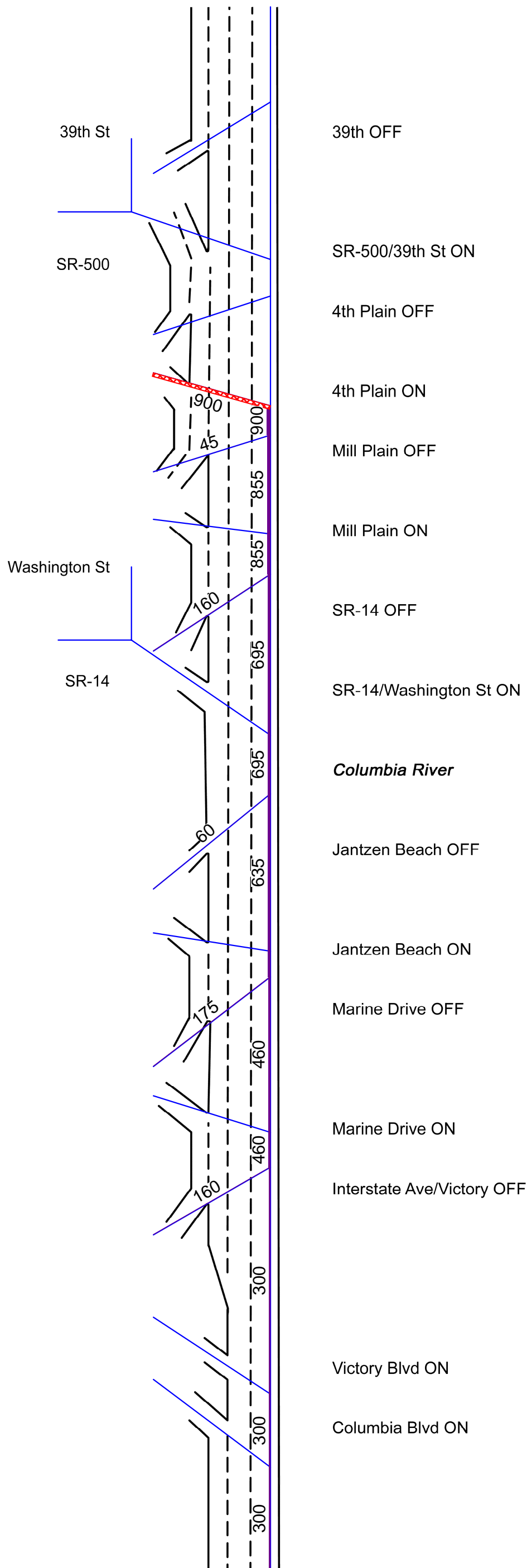
**2 Hour AM Volume**

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



**2 Hour AM Volume**

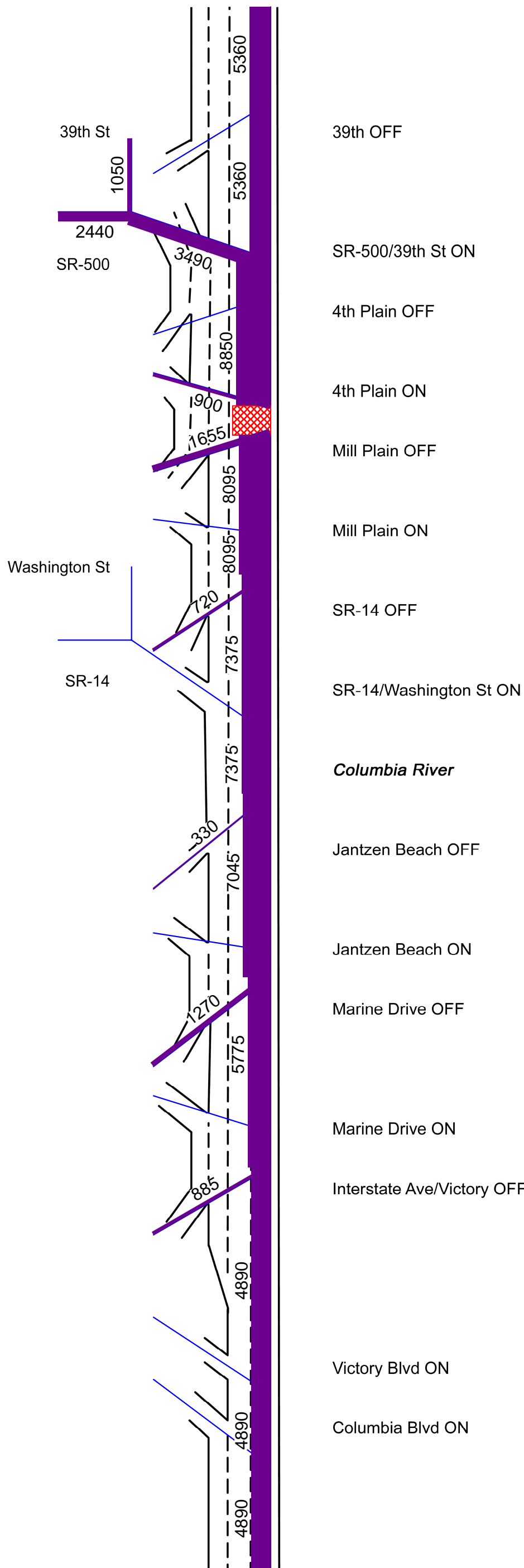
VISUM 9.35	Columbia River Crossing Project	Southbound_Existing_Vols
4/3/2006	2005 Existing Southbound Volumes - Select Link Between 4th Plain Blvd Off-Ramp and 4th Plain Blvd On-Ramp	



**2 Hour AM Volume**

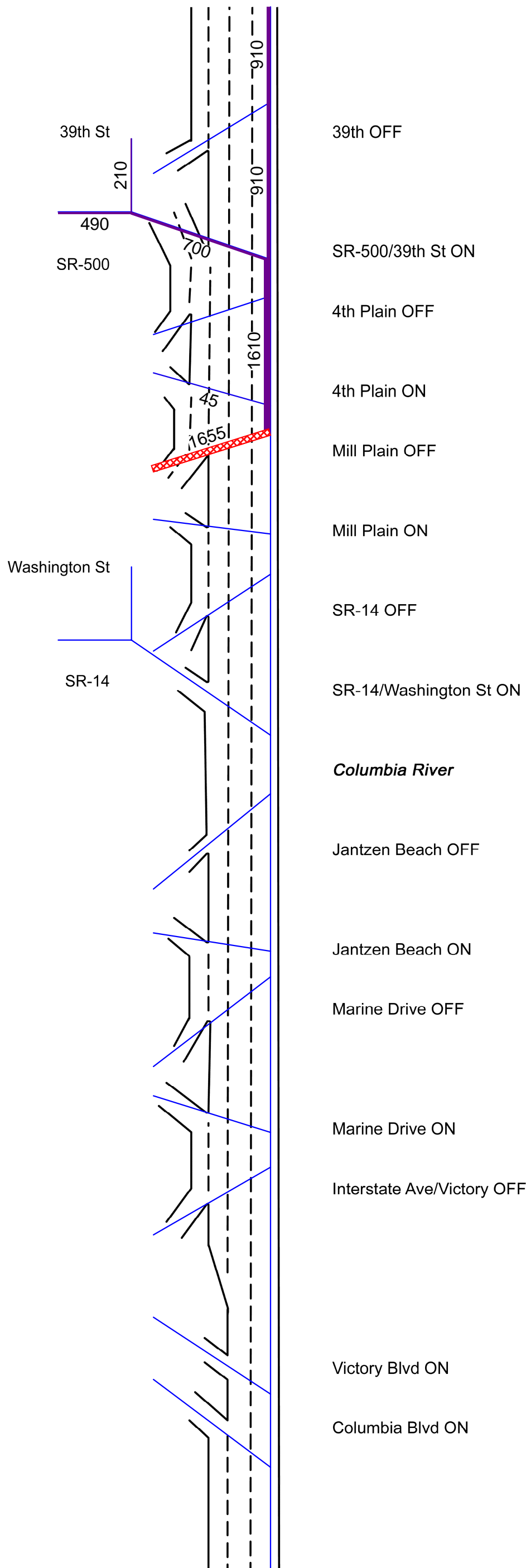
VISUM 9.35	Columbia River Crossing Project	Southbound_Existing_Vols
4/3/2006	2005 Existing Southbound Volumes - Select Link at 4th Plain Blvd On-Ramp	





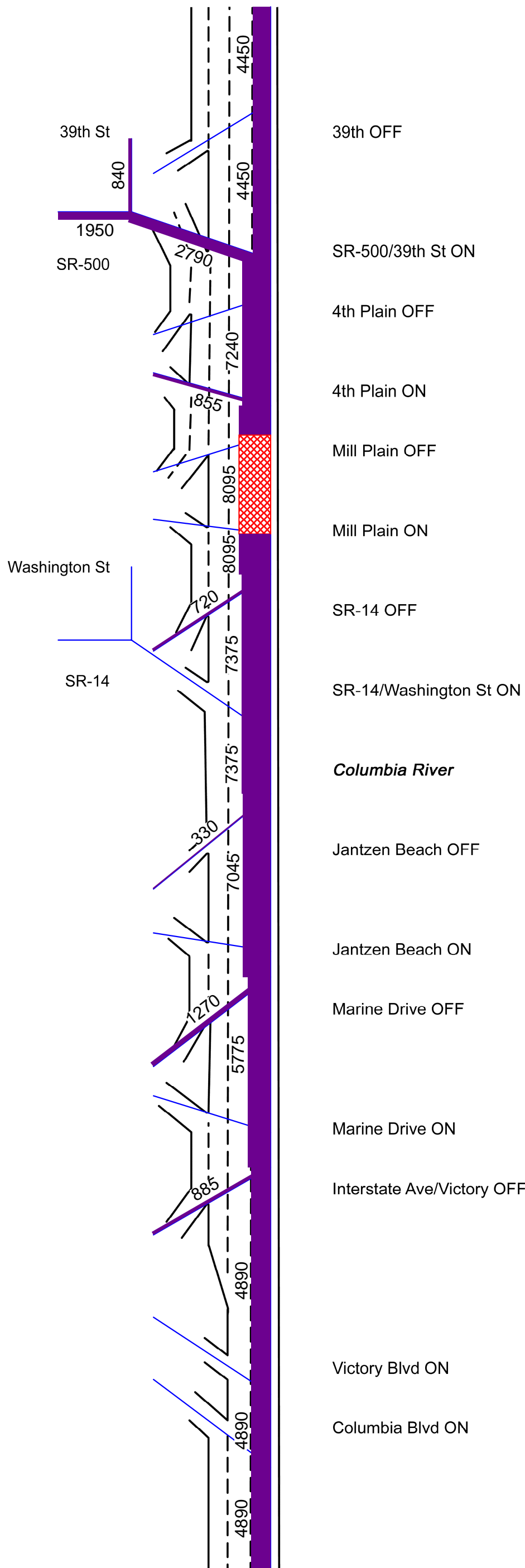
**2 Hour AM Volume**

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	



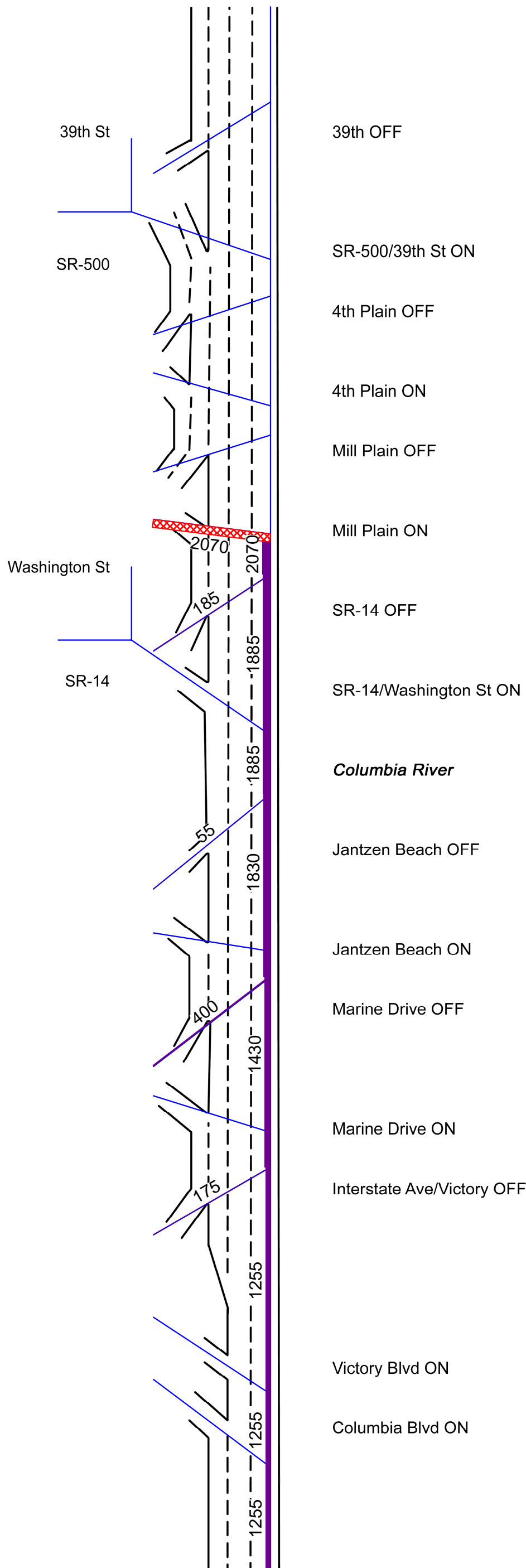
**2 Hour AM Volume**

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	



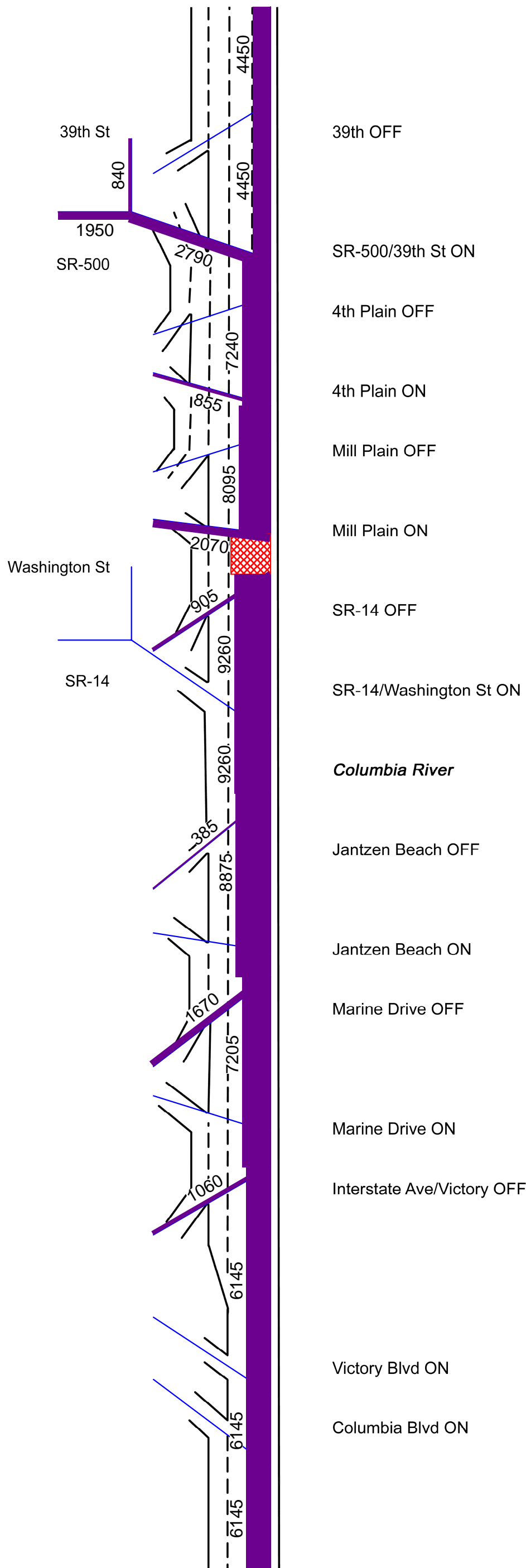
**2 Hour AM Volume**

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	



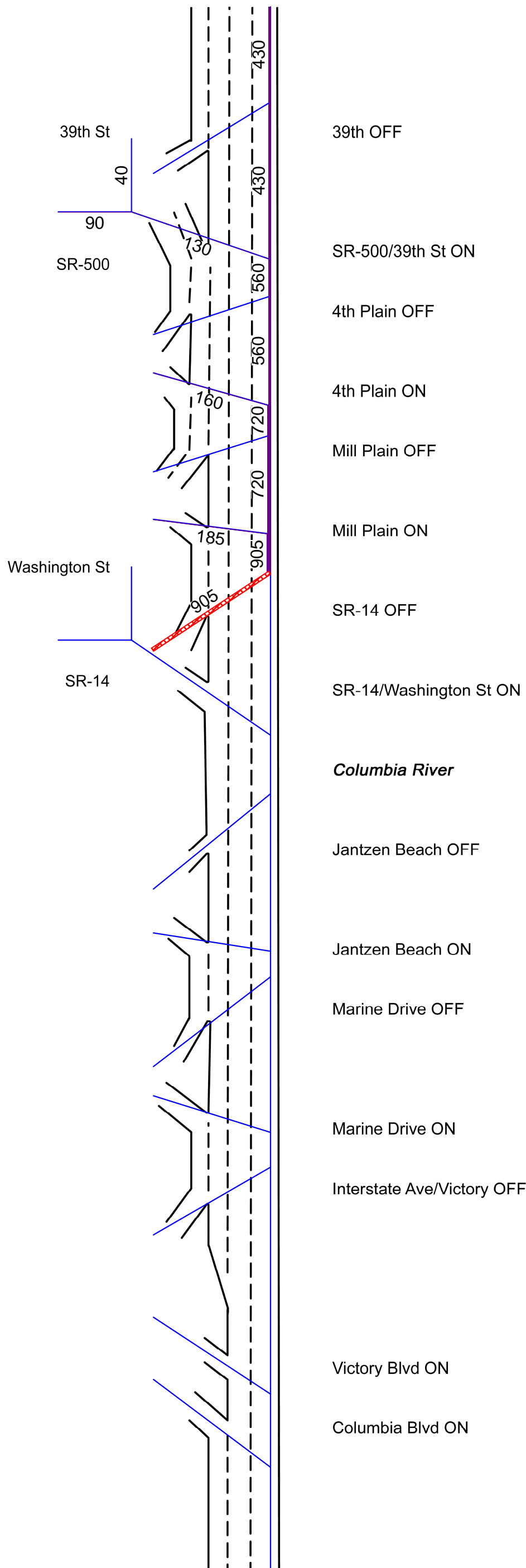
**2 Hour AM Volume**

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	



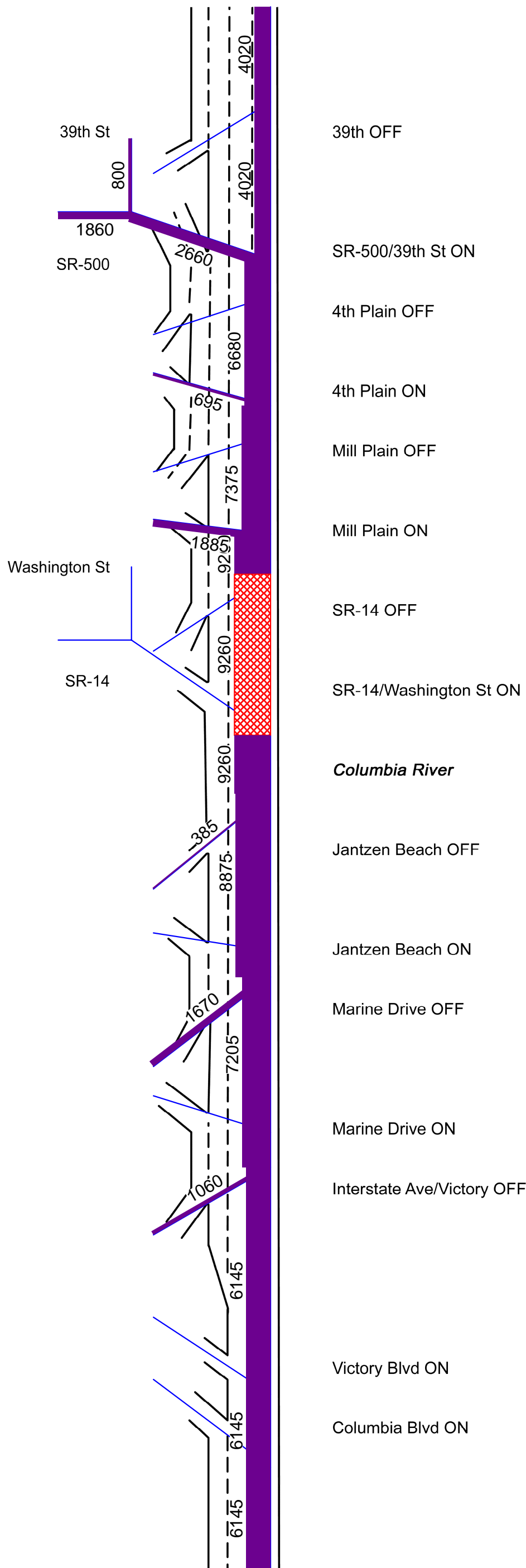
**2 Hour AM Volume**

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	



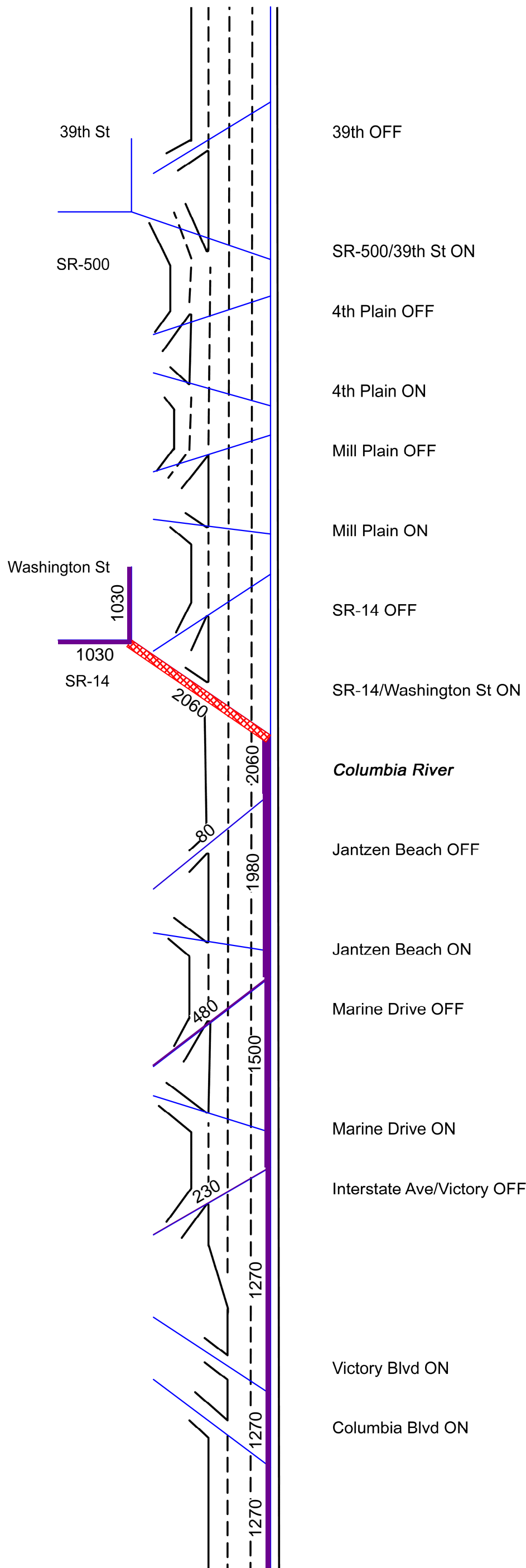
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VISUM 9.35	Columbia River Crossing Project	Southbound_Existing_Vols
4/3/2006	2005 Existing Southbound Volumes - Select Link at SR-14 Off-Ramp	



**2 Hour AM Volume**

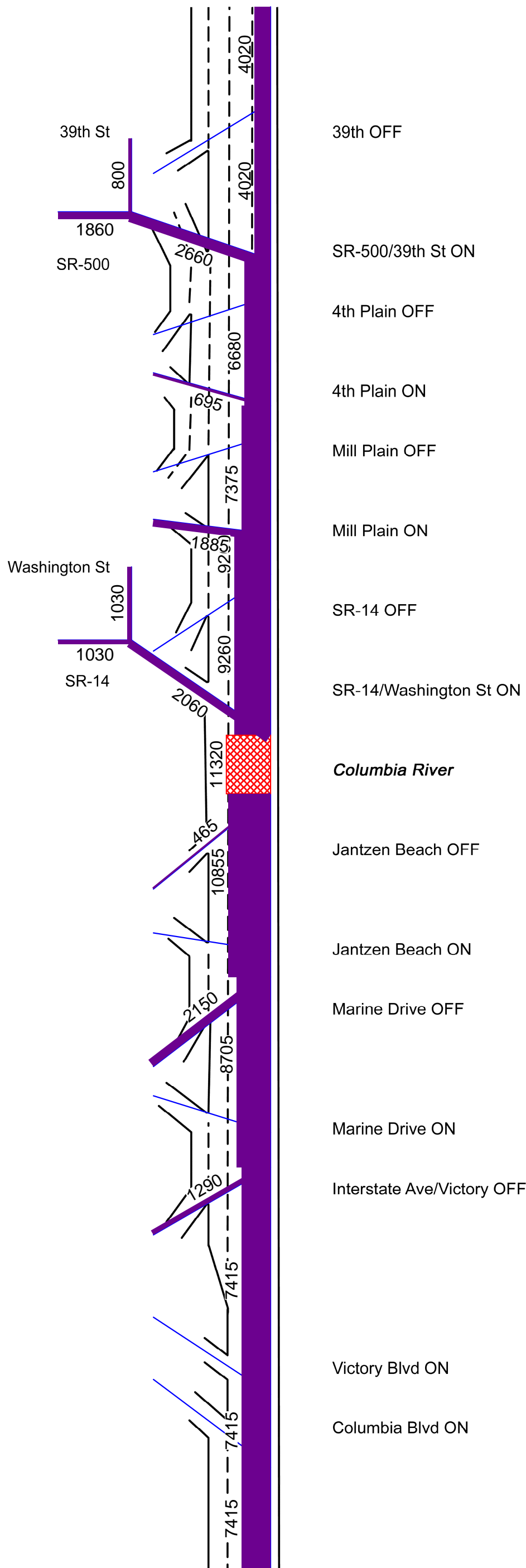
VISUM 9.35	Columbia River Crossing Project	Southbound_Existing_Vols
4/3/2006	2005 Existing Southbound Volumes - Select Link Between SR-14 Off-Ramp and SR-14/Washington St On-Ramp	



**2 Hour AM Volume**

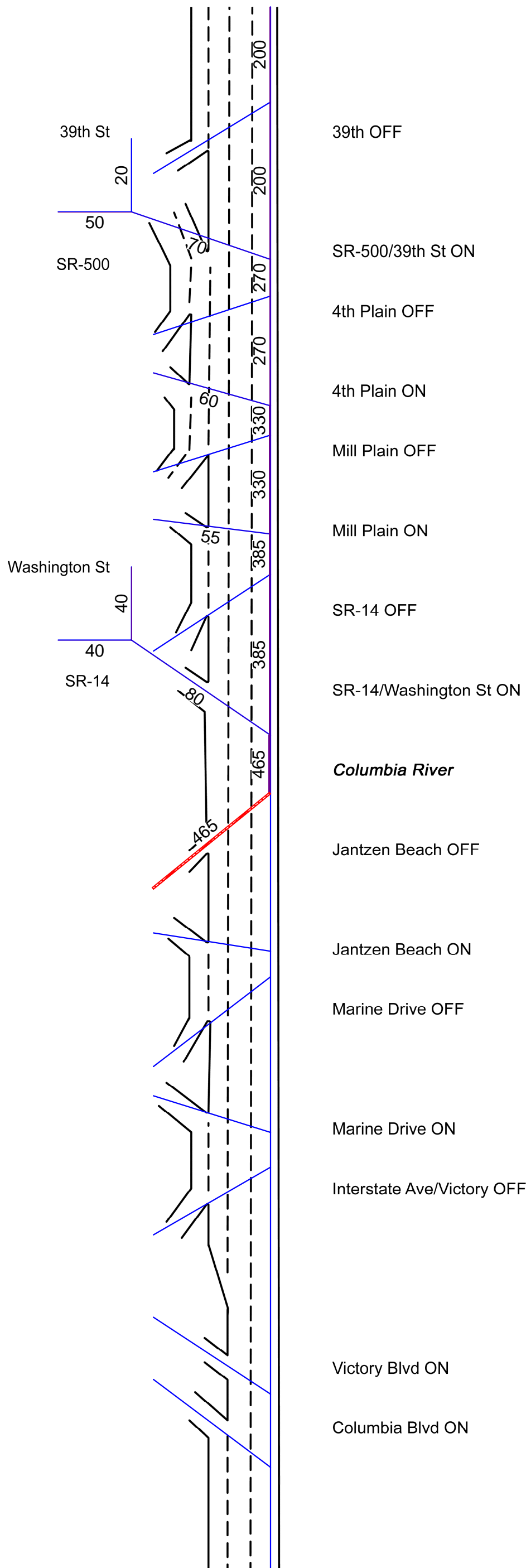
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4/3/2006	2005 Existing Southbound Volumes - Select Link at SR-14/Washington St On-Ramp	





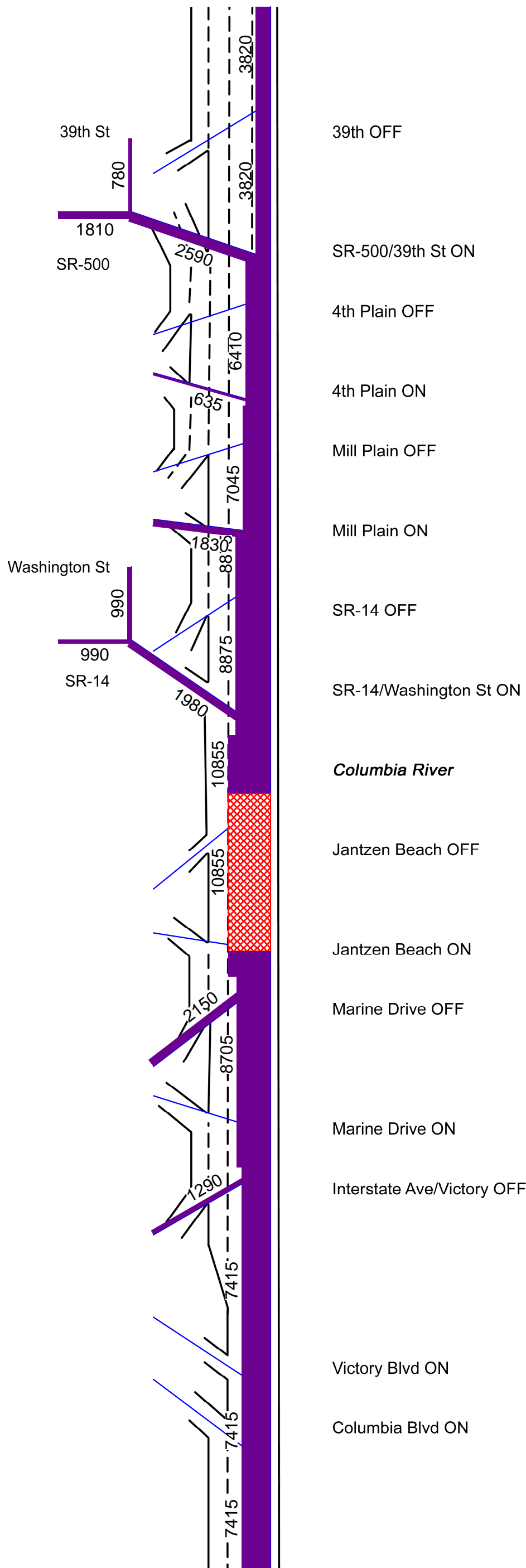
**2 Hour AM Volume**

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



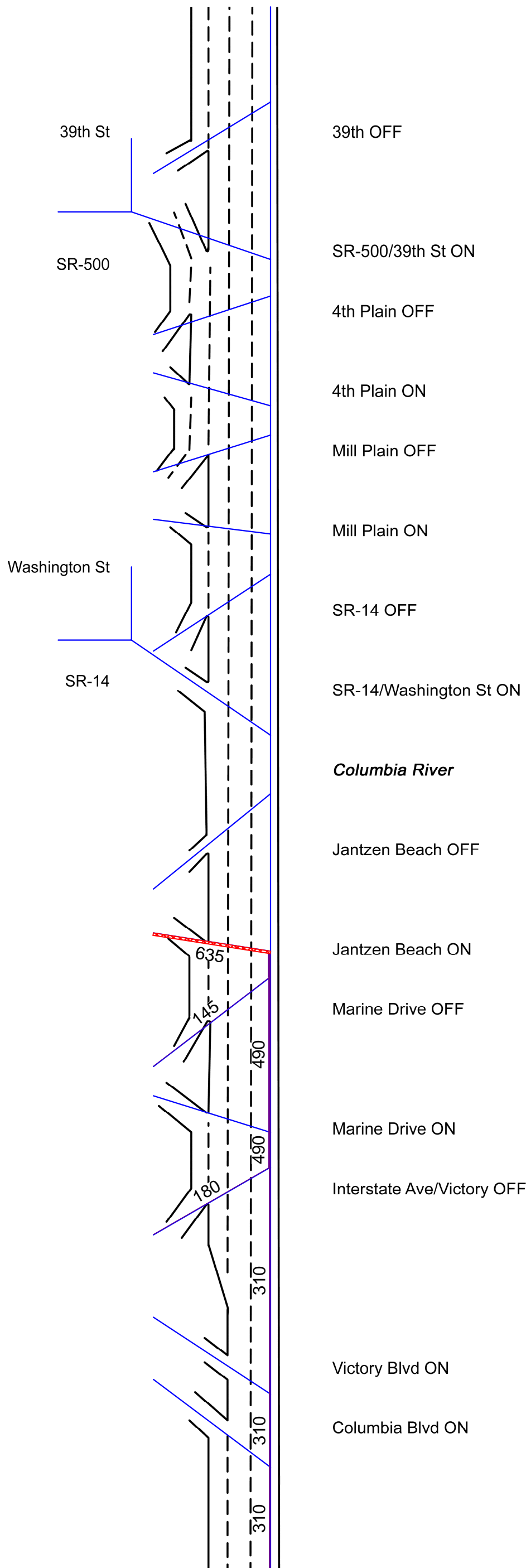
**2 Hour AM Volume**

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



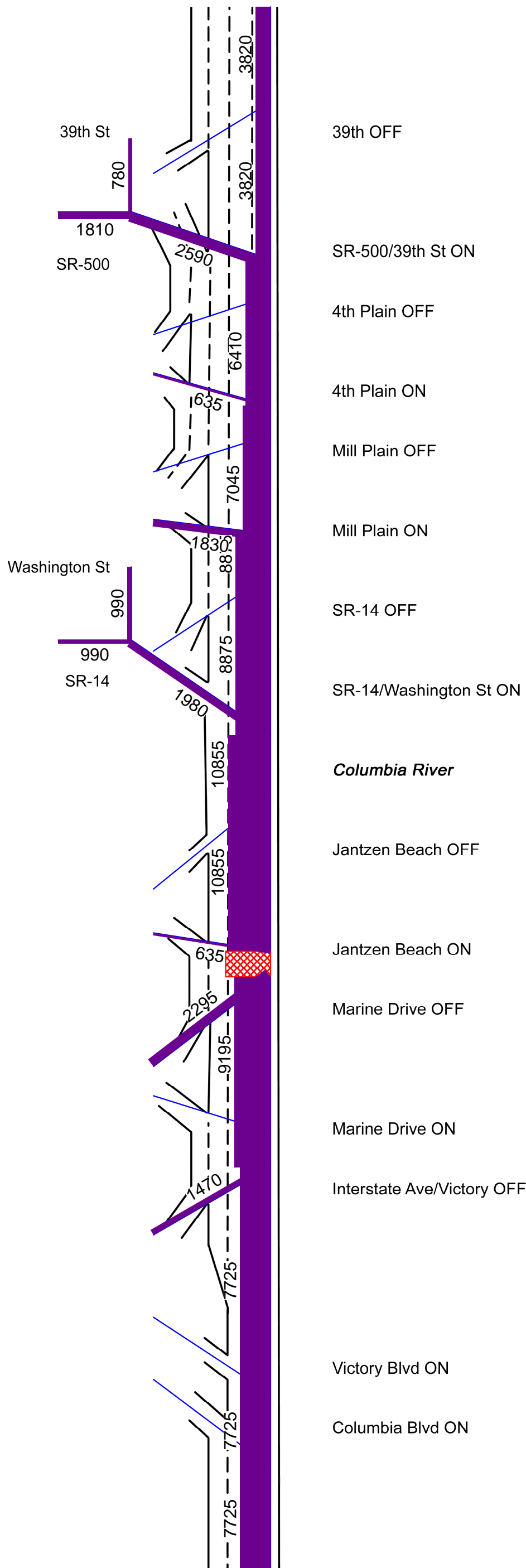
**2 Hour AM Volume**

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	



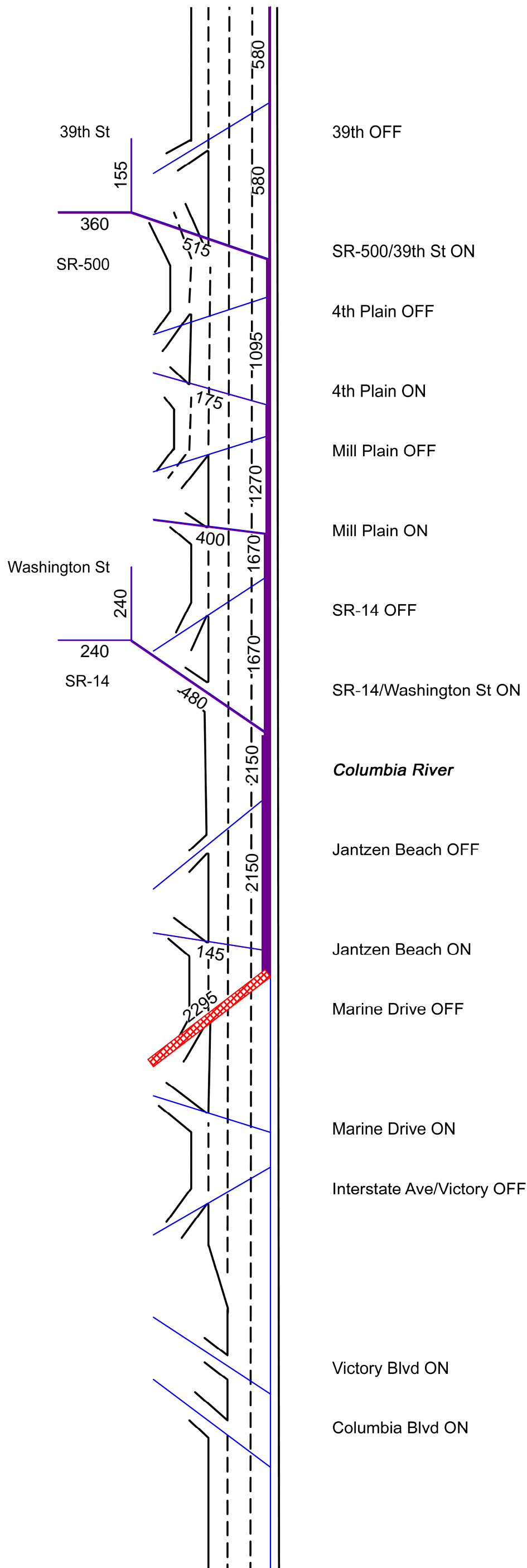
**2 Hour AM Volume**

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



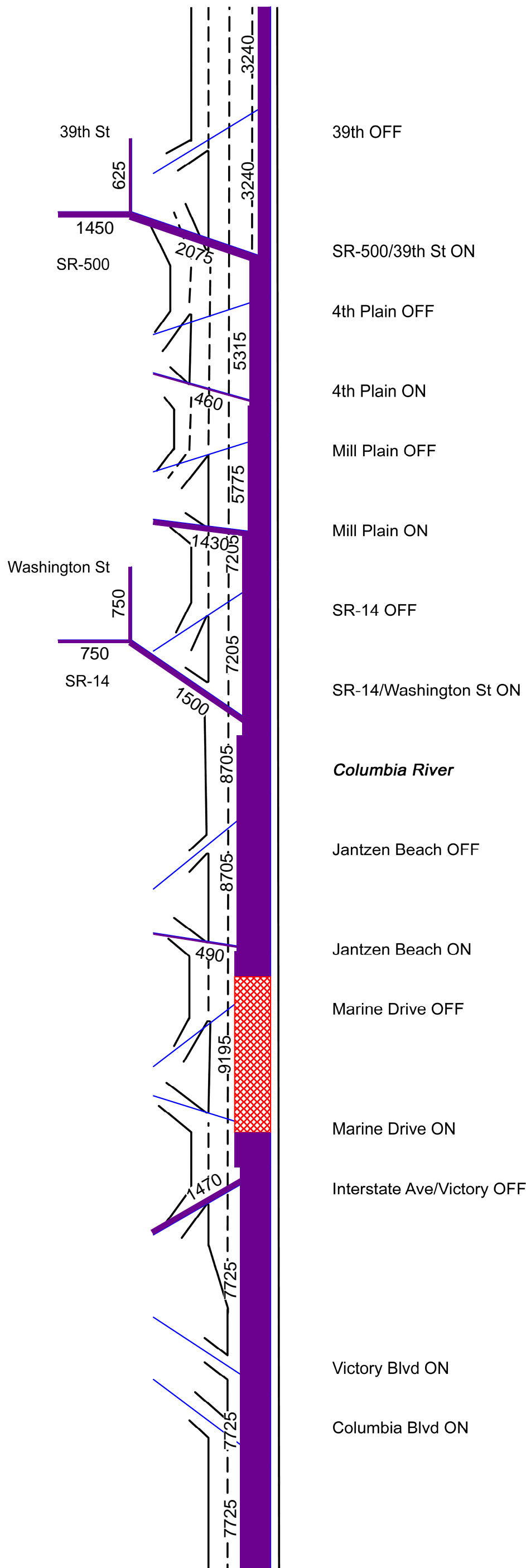
**2 Hour AM Volume**

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	



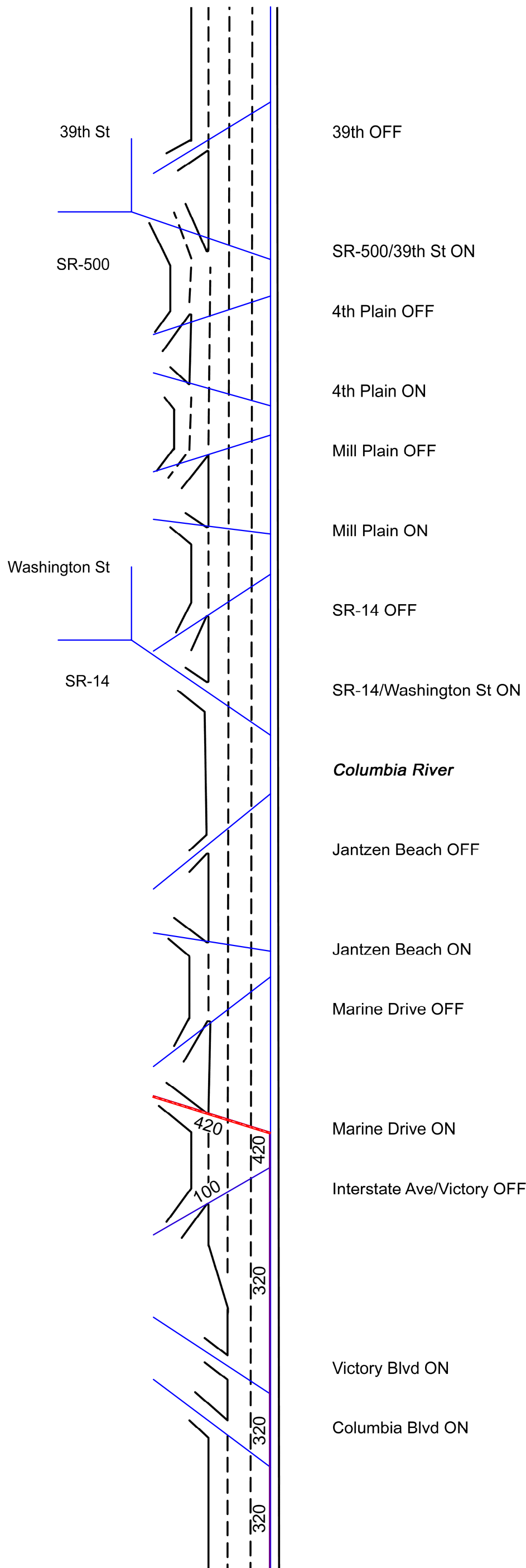
**2 Hour AM Volume**

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**

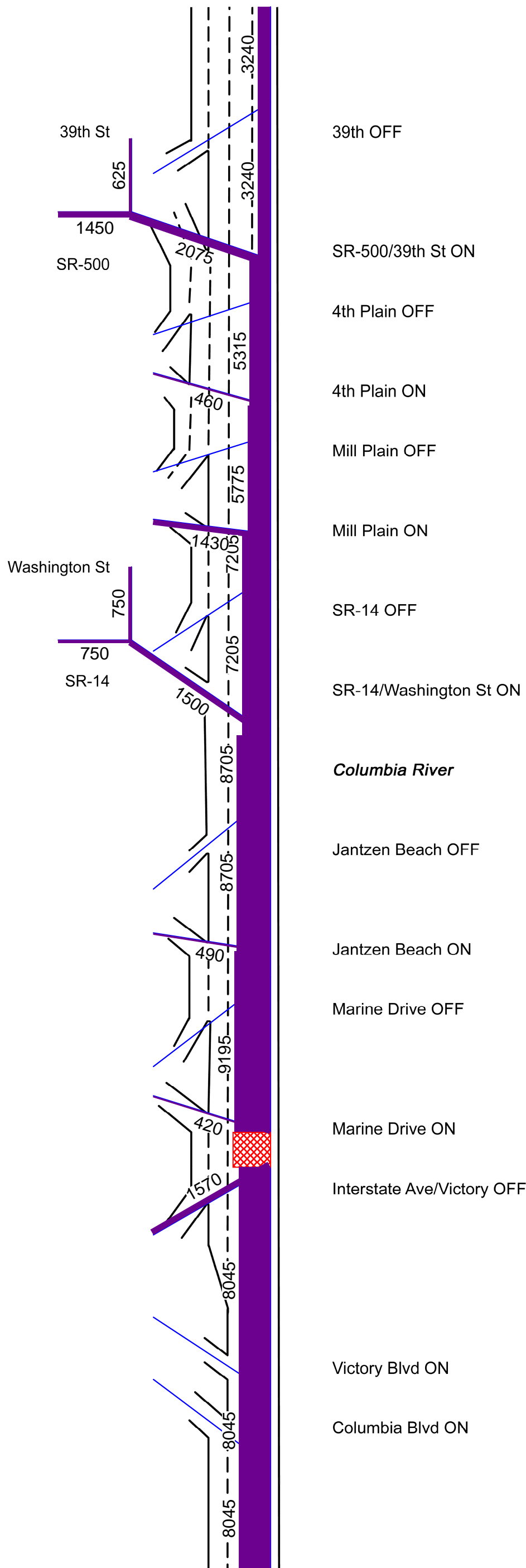
VISUM 9.35	Columbia River Crossing Project	Southbound_Existing_Vols
4/3/2006	2005 Existing Southbound Volumes - Select Link Between Marine Drive Off-Ramp and Marine Drive On-Ramp	



**2 Hour AM Volume**

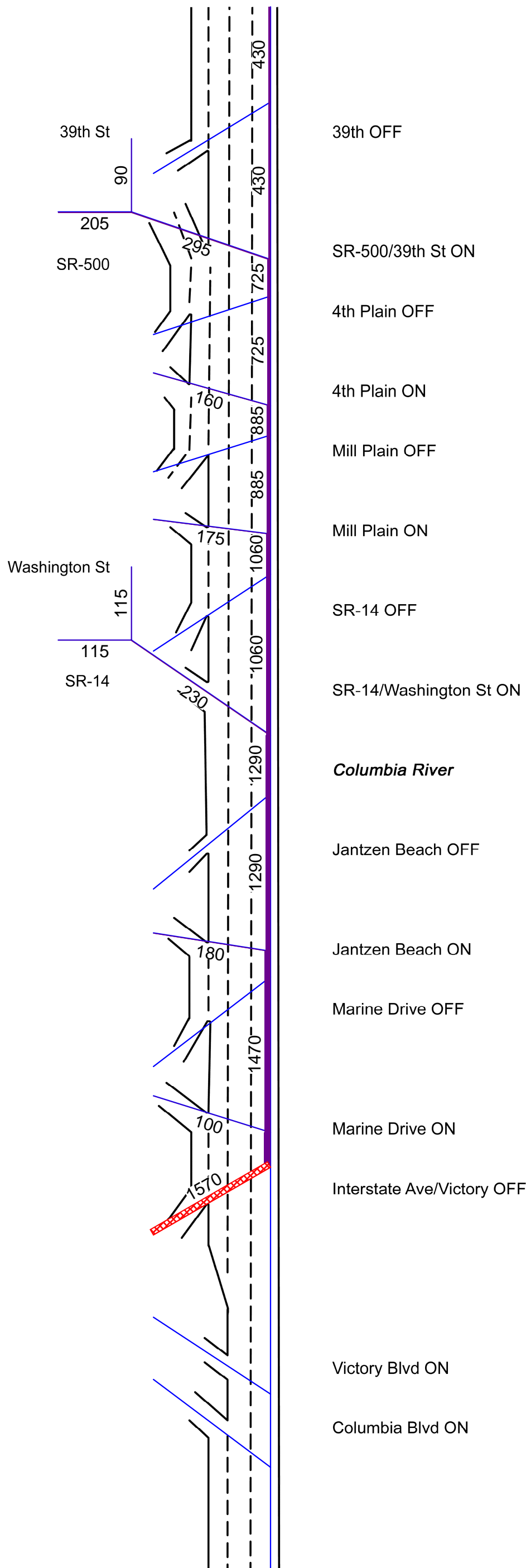
VISUM 9.35	Columbia River Crossing Project	Southbound_Existing_Vols
4/3/2006	2005 Existing Southbound Volumes - Select Link at Marine Drive On-Ramp	





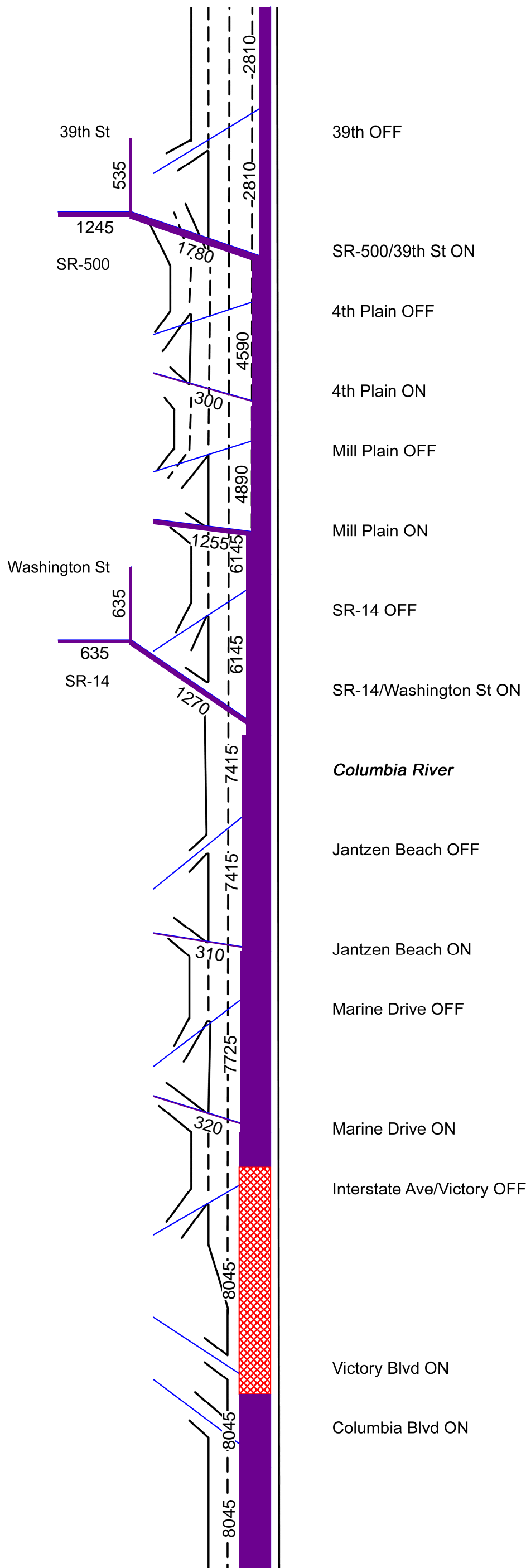
**2 Hour AM Volume**

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	



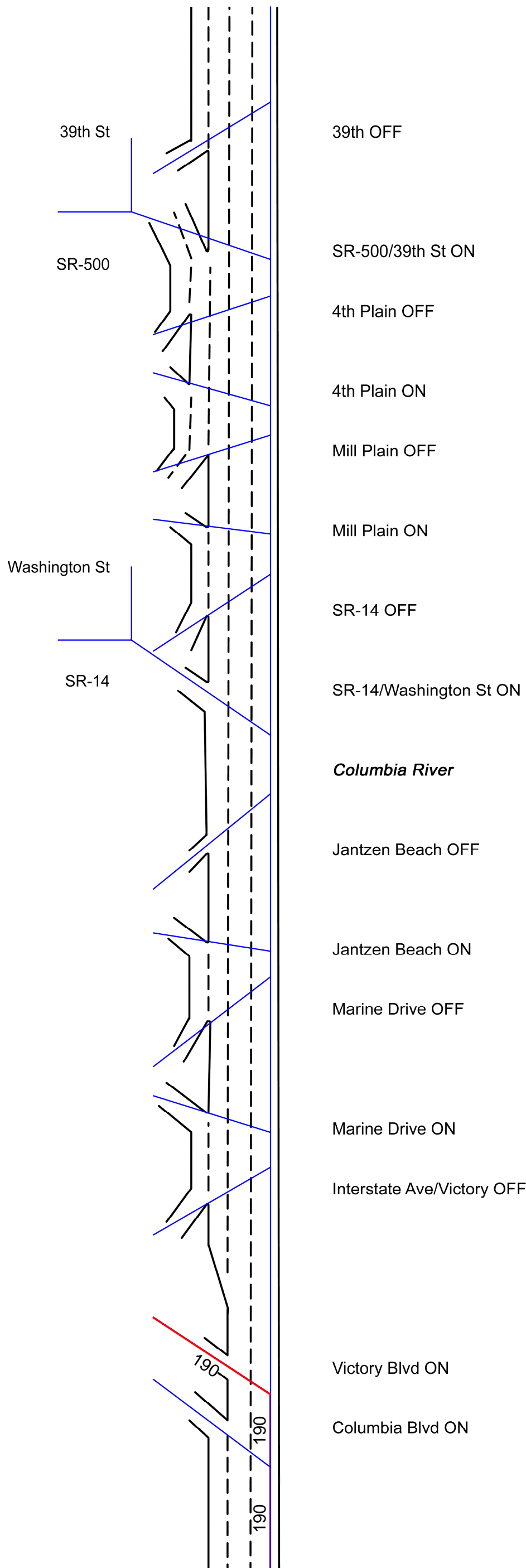
**2 Hour AM Volume**

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	



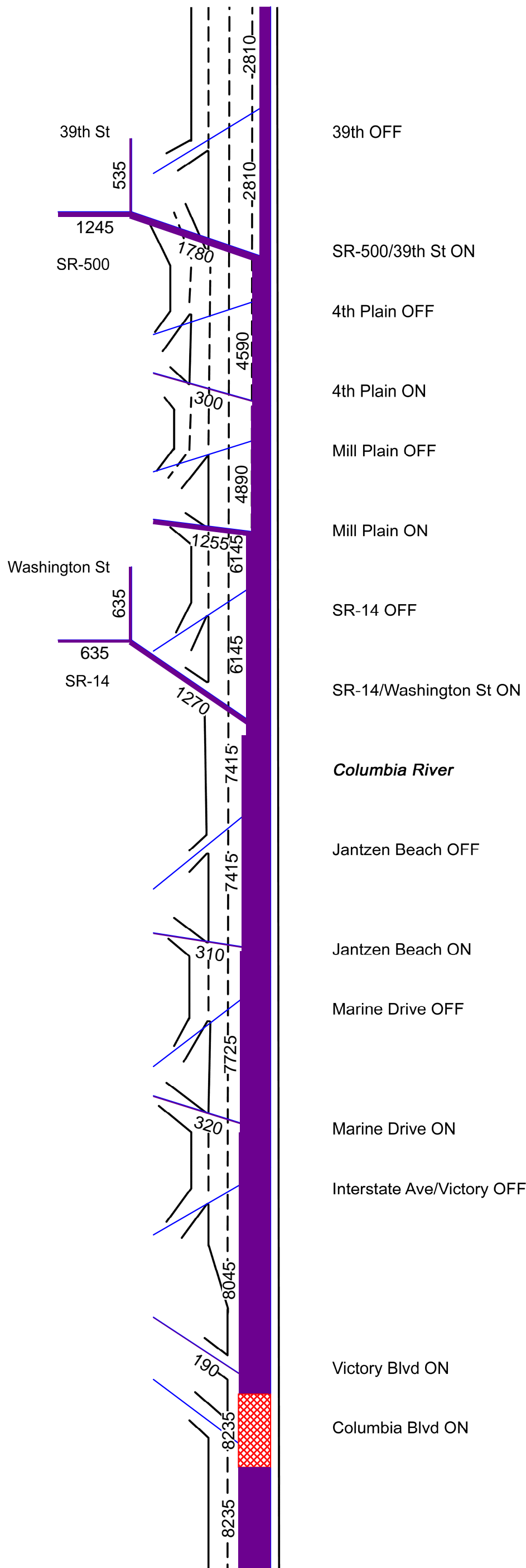
**2 Hour AM Volume**

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	



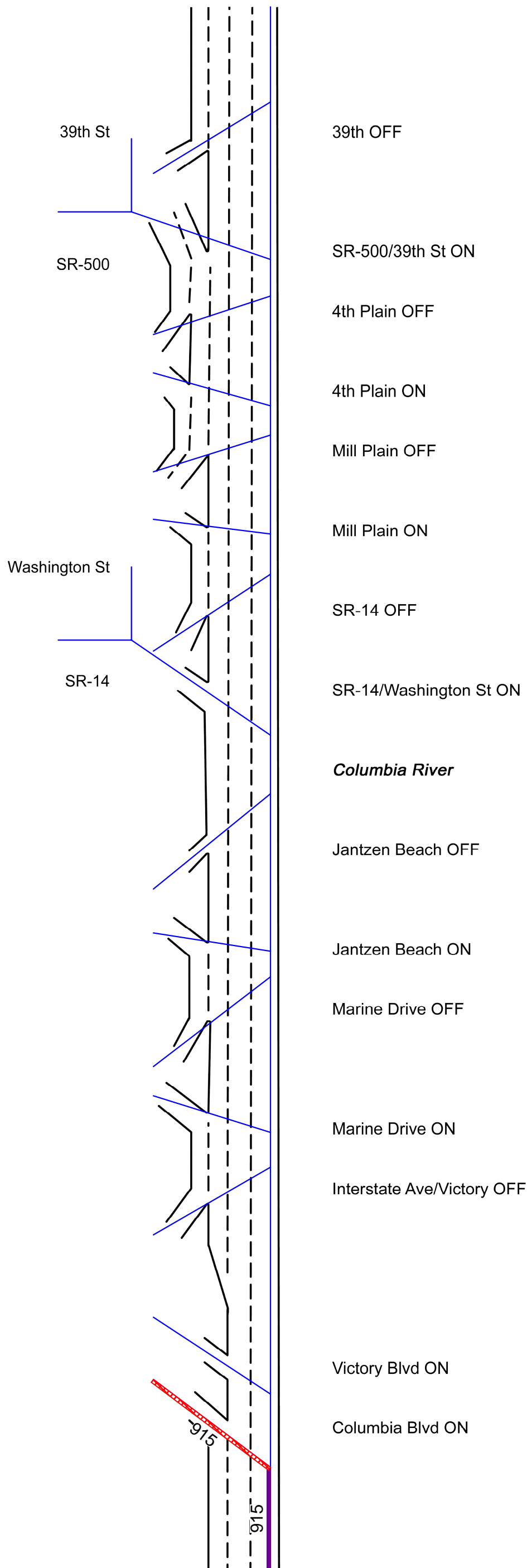
**2 Hour AM Volume**

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



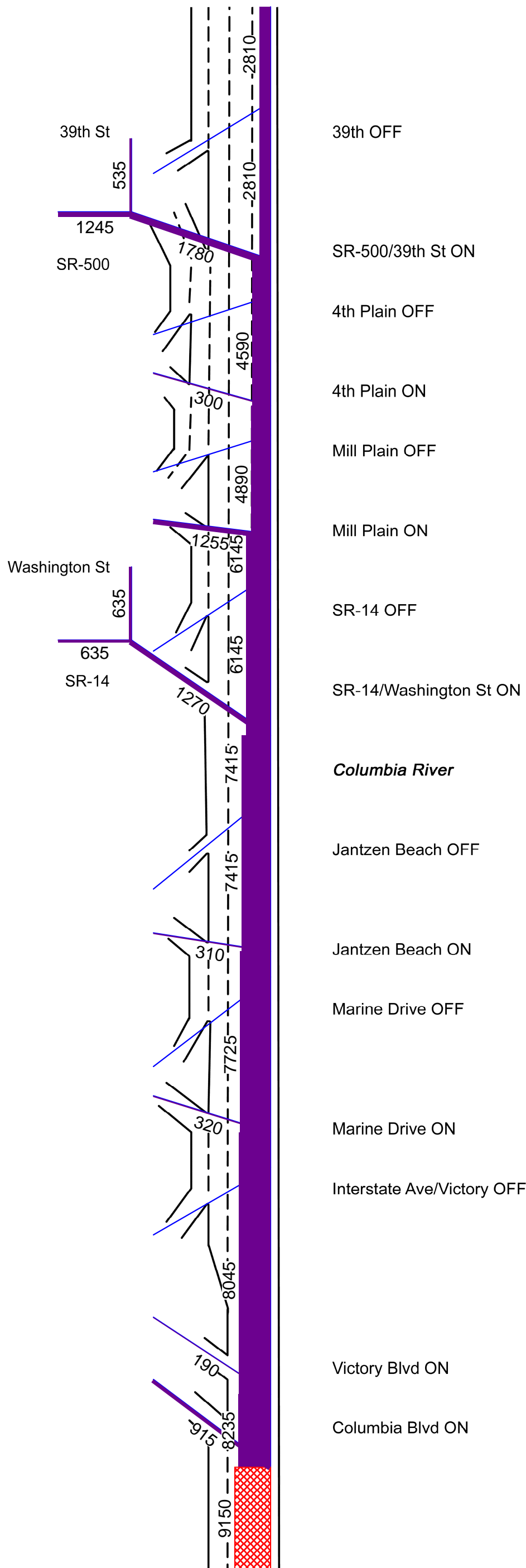
**2 Hour AM Volume**

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	



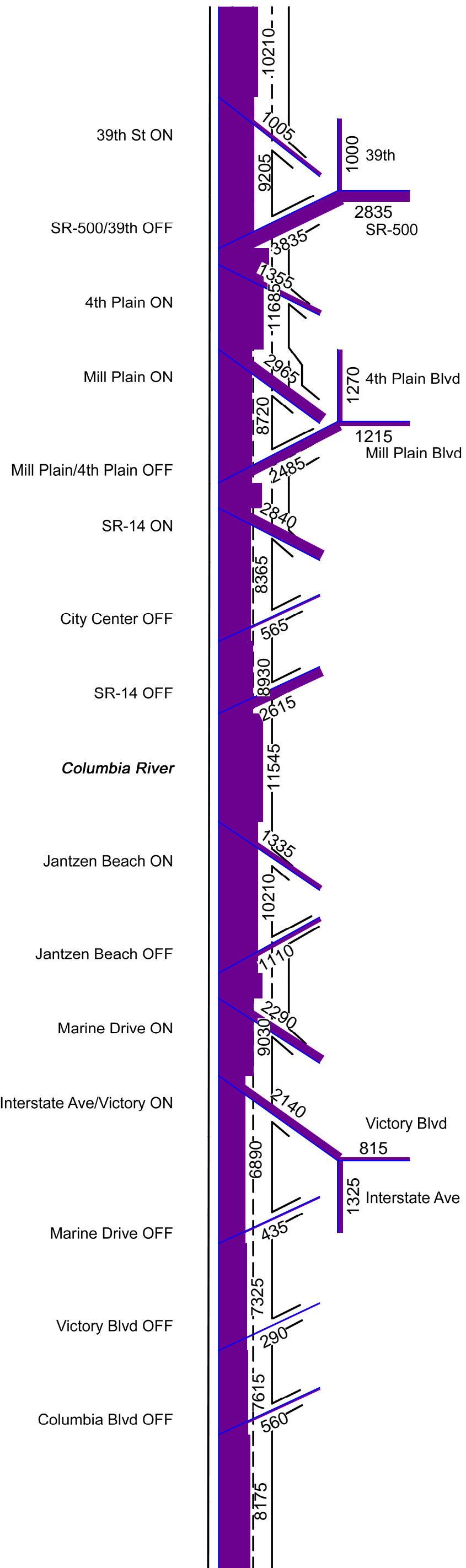
**2 Hour AM Volume**

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**

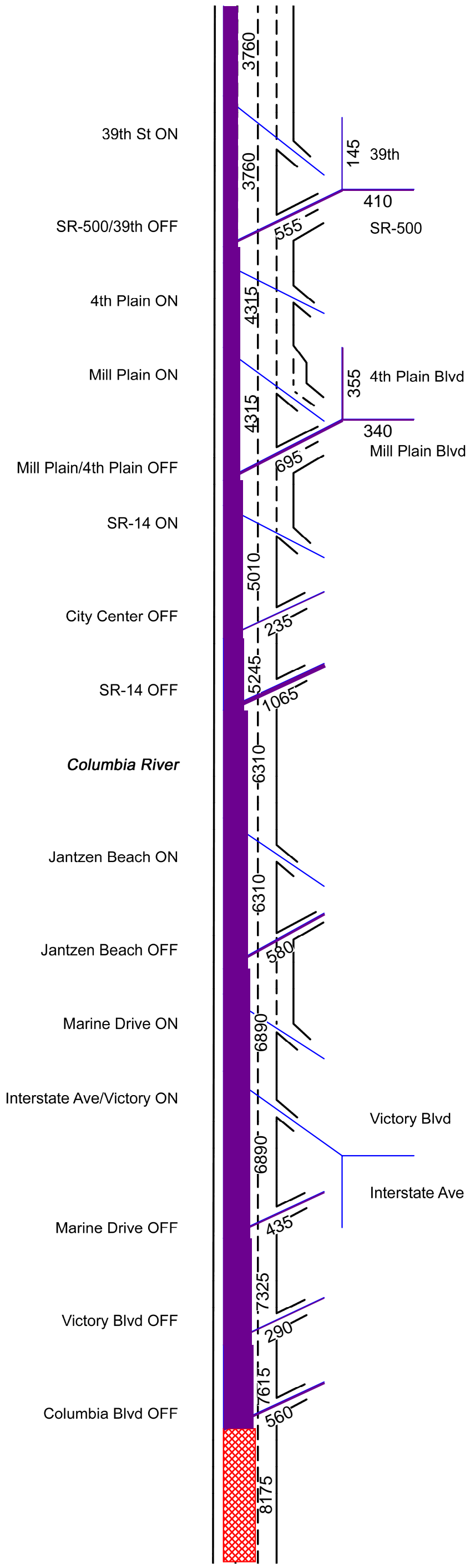
VISUM 9.35	Columbia River Crossing Project	Southbound_Existing_Vols
4/3/2006	2005 Existing Southbound Volumes - Select Link South of Columbia Blvd On-Ramp	



**2 Hour PM Volume**

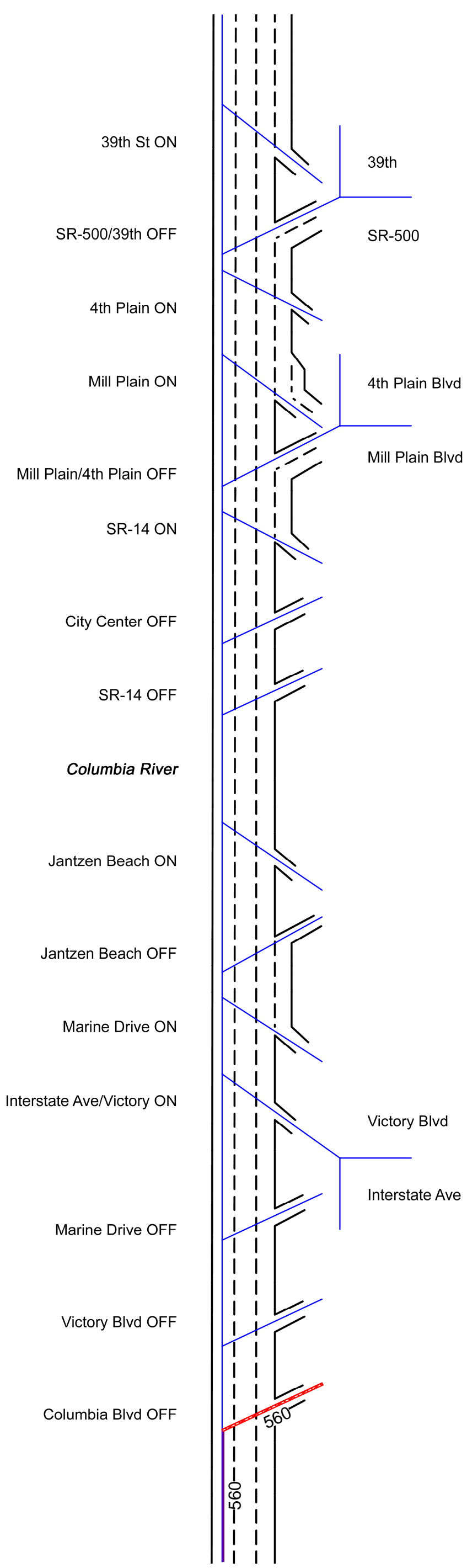
VISUM 9.35	Columbia River Crossing Project	Northbound_Existing_Vols
3/31/2006	2005 Existing Northbound Volumes - Total	





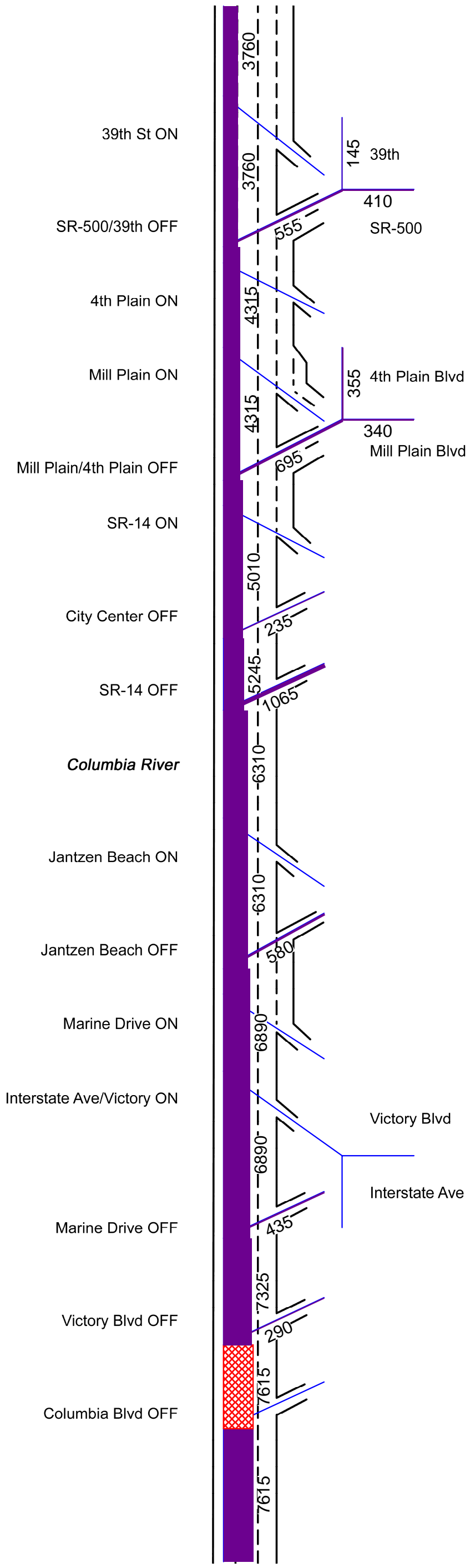
**2 Hour PM Volume**

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	



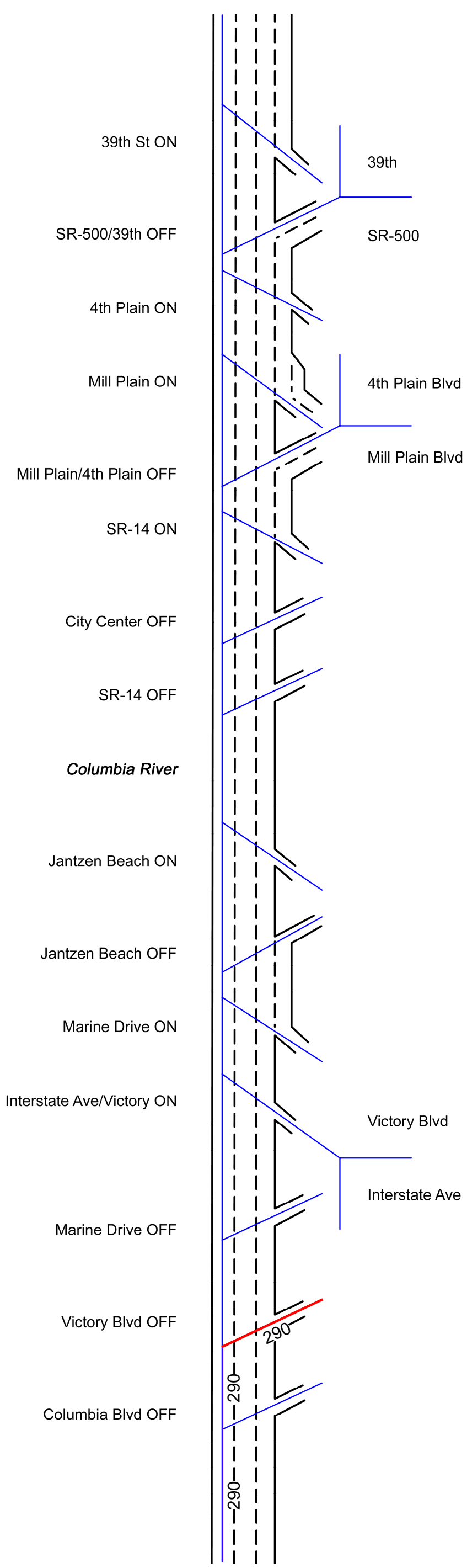
**2 Hour PM Volume**

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



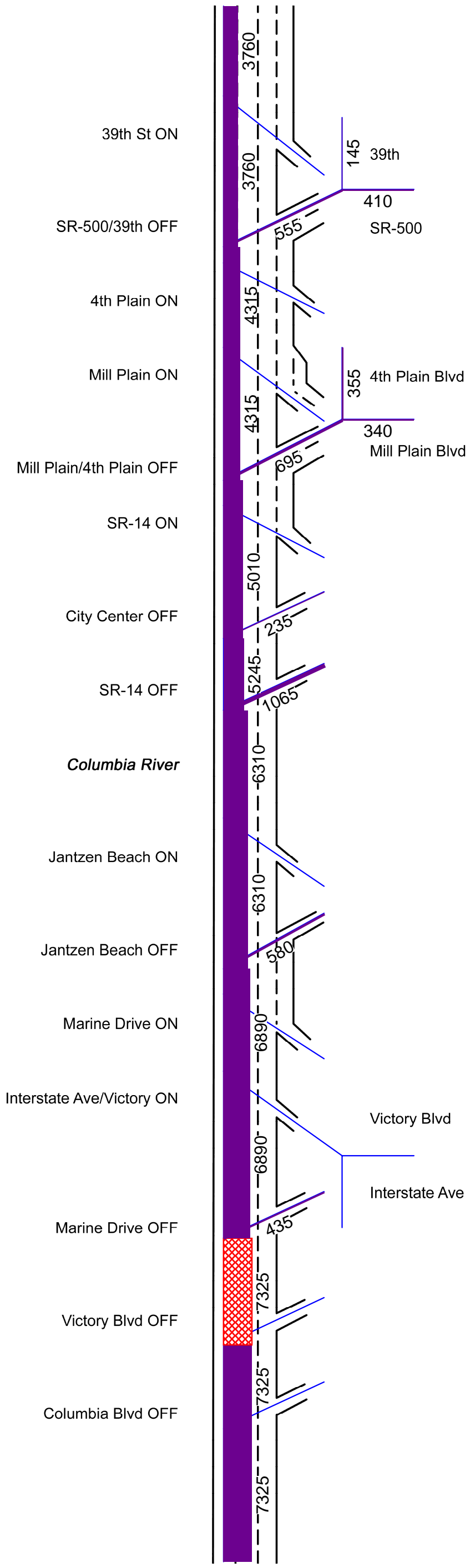
**2 Hour PM Volume**

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	



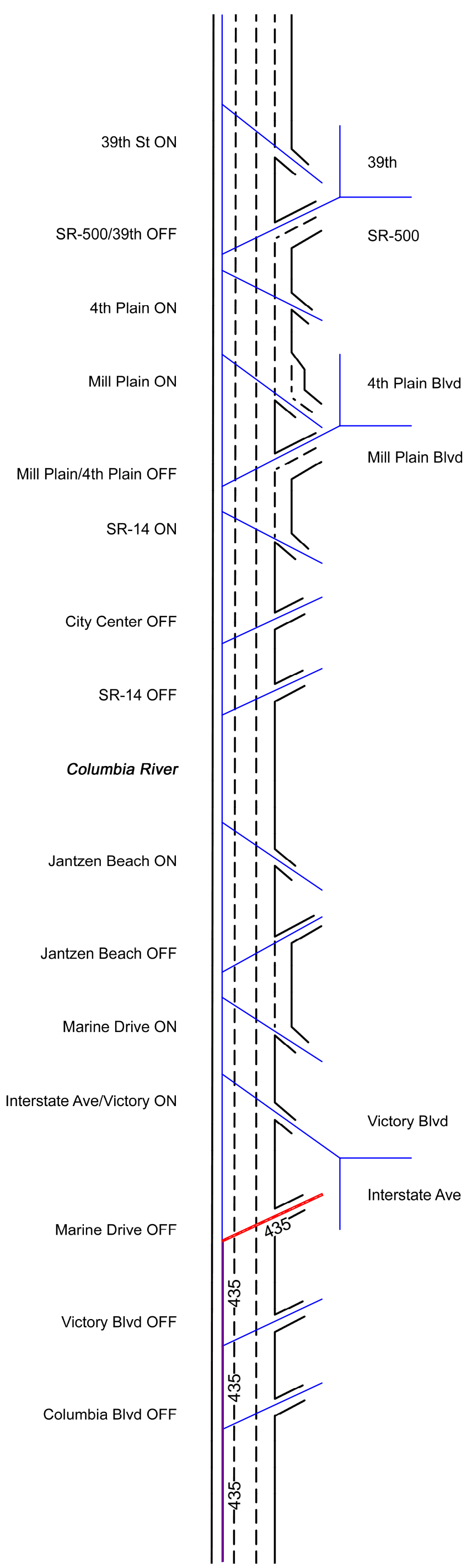
**2 Hour PM Volume**

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



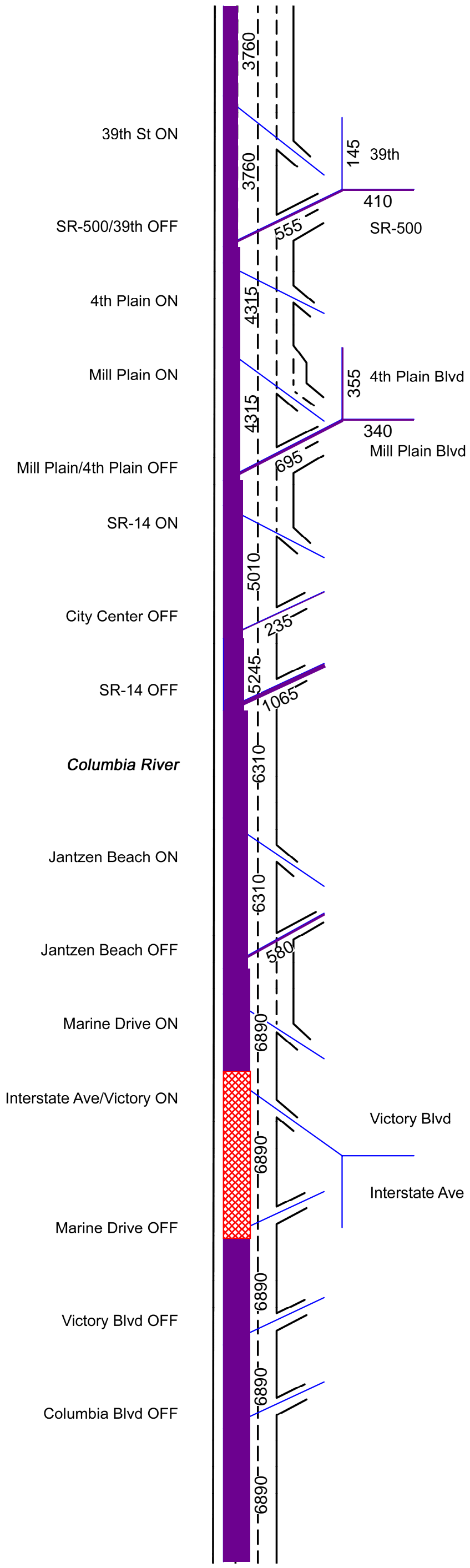
**2 Hour PM Volume**

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	



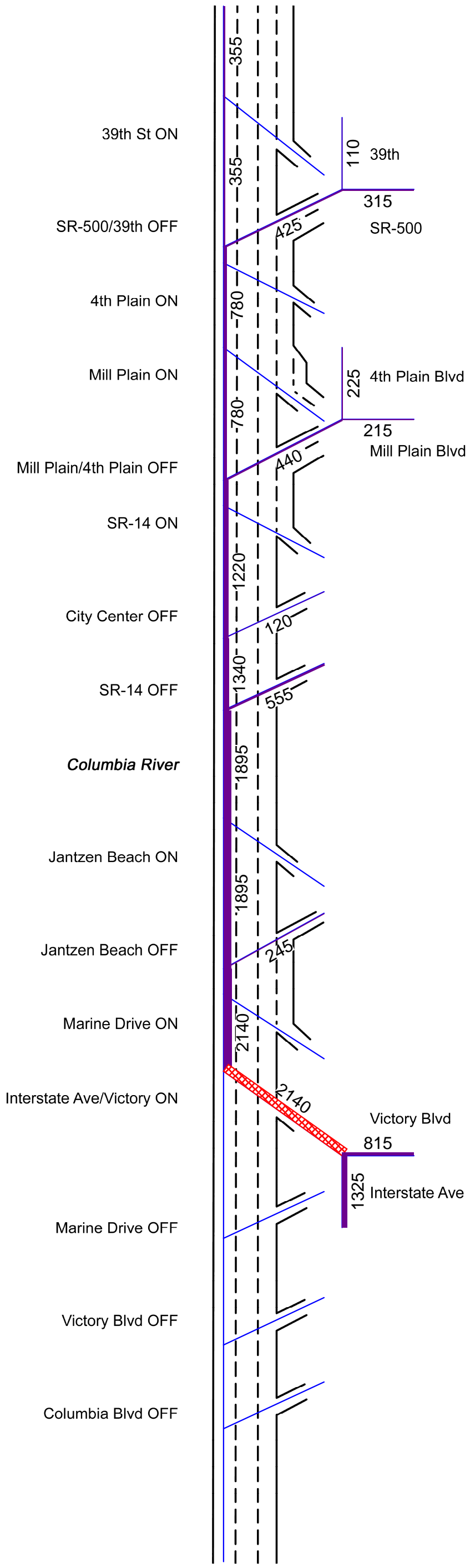
**2 Hour PM Volume**

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**

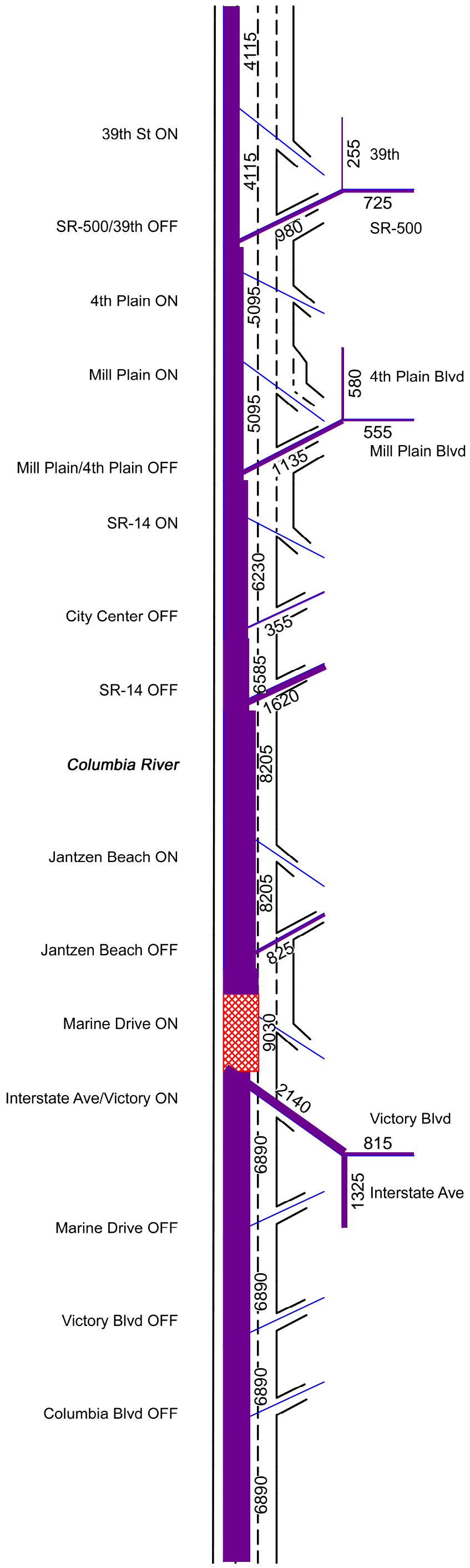
VISUM 9.35	Columbia River Crossing Project	Northbound_Existing_Vols
3/31/2006	2005 Existing Northbound Volumes - Select Link Between Marine Dr Off-Ramp and Interstate Ave/Victory Blvd On-Ramp	



**2 Hour PM Volume**

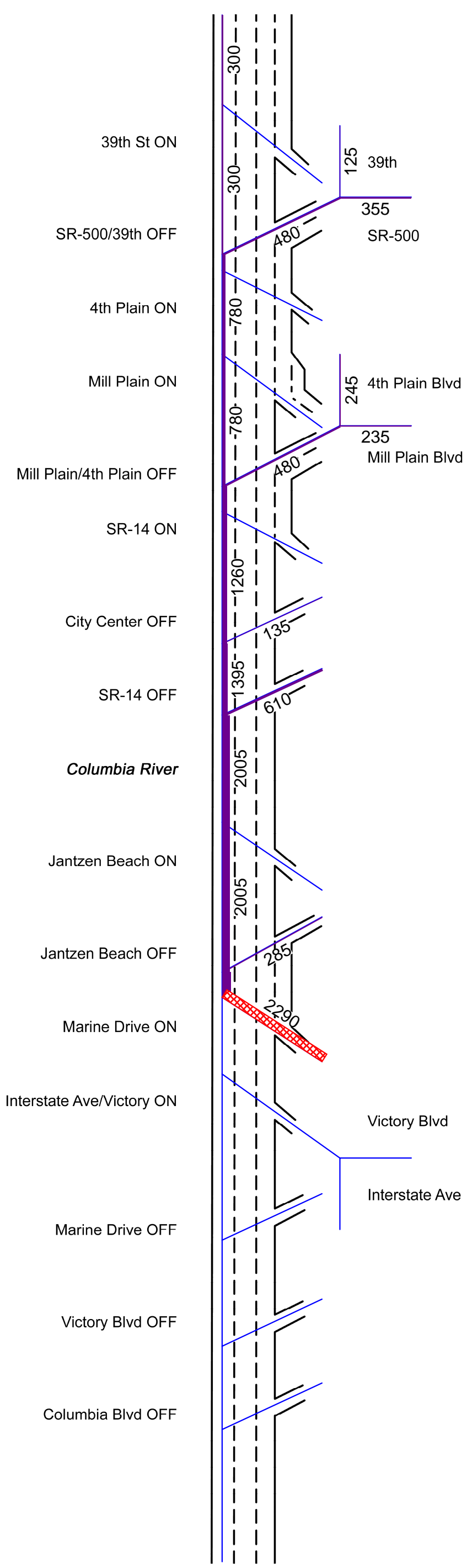
VISUM 9.35	Columbia River Crossing Project	Northbound_Existing_Vols
3/31/2006	2005 Existing Northbound Volumes - Select Link at Interstate Ave/Victory Blvd On-Ramp	





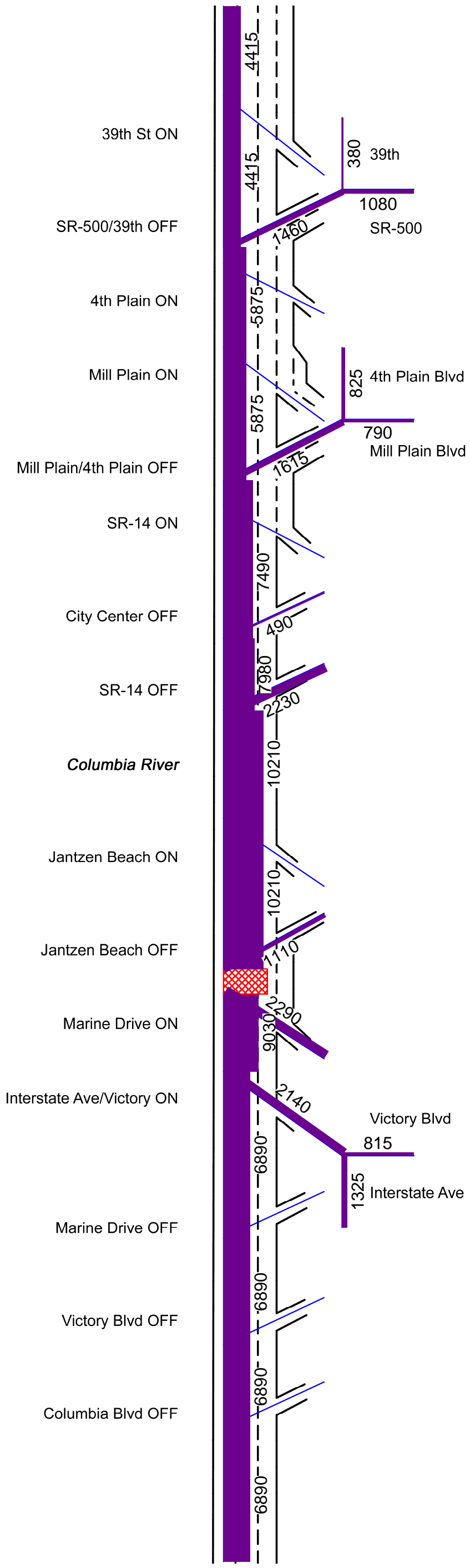
**2 Hour PM Volume**

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	



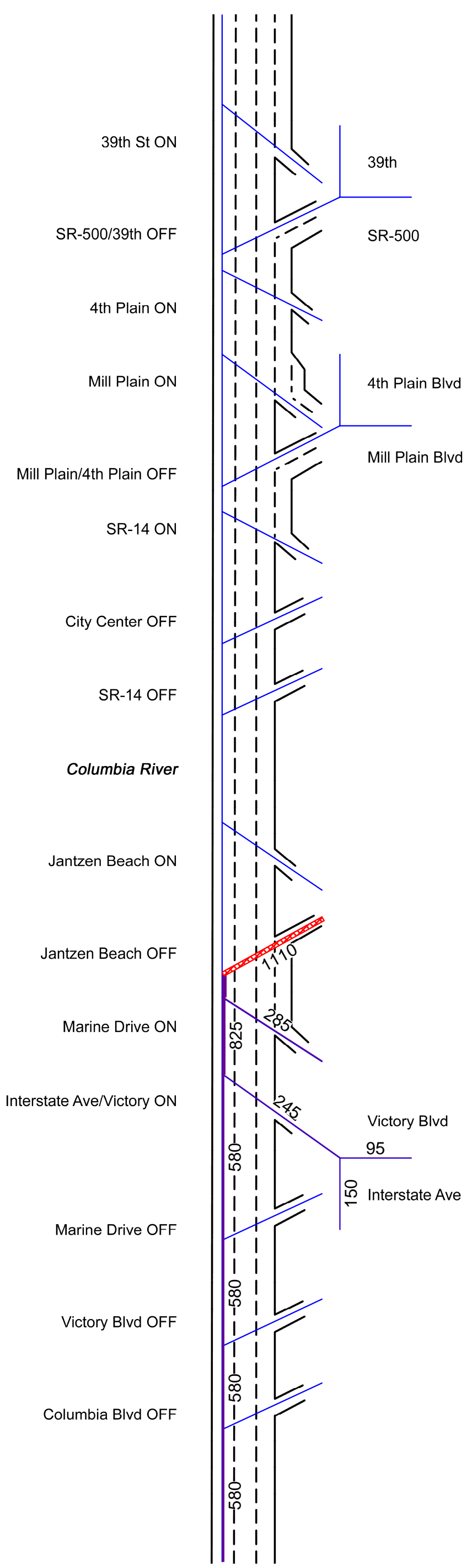
**2 Hour PM Volume**

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



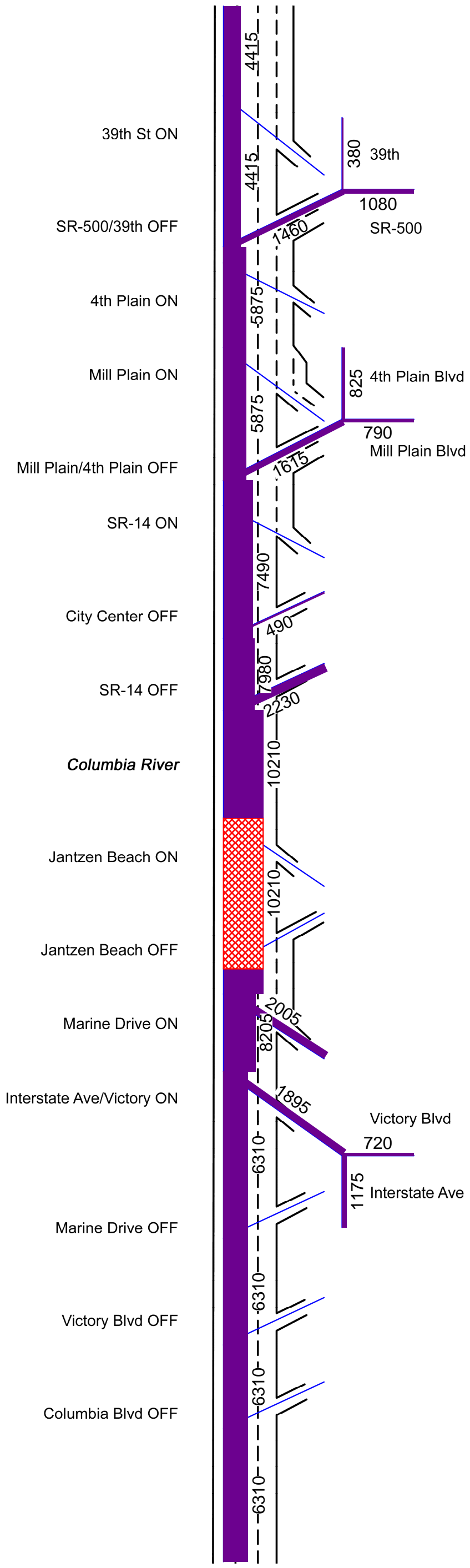
**2 Hour PM Volume**

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	



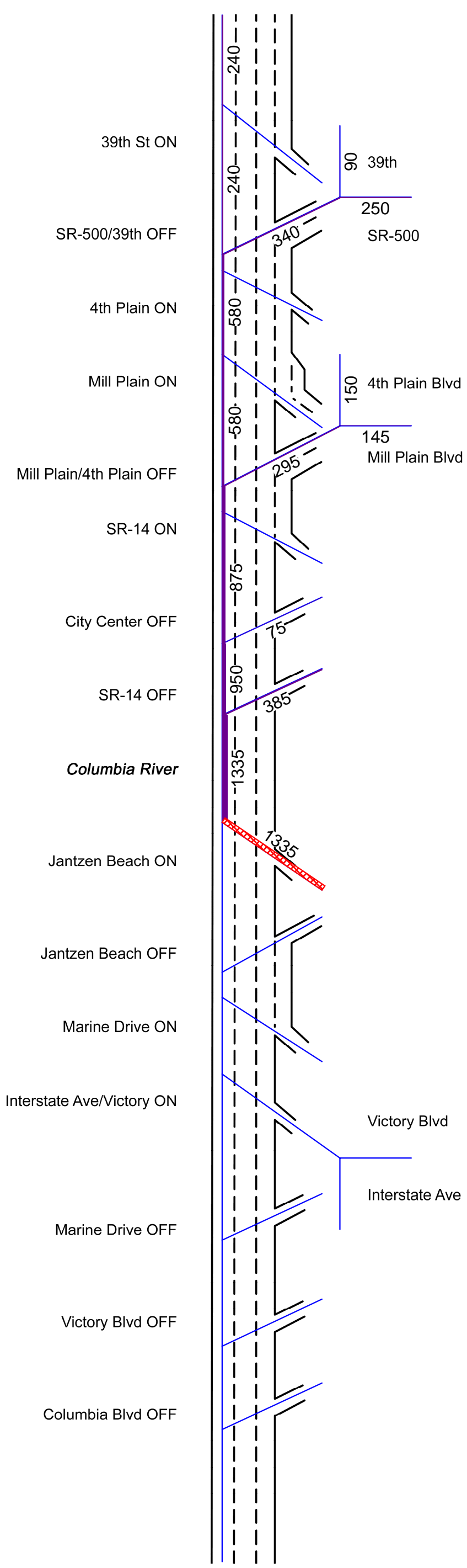
**2 Hour PM Volume**

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



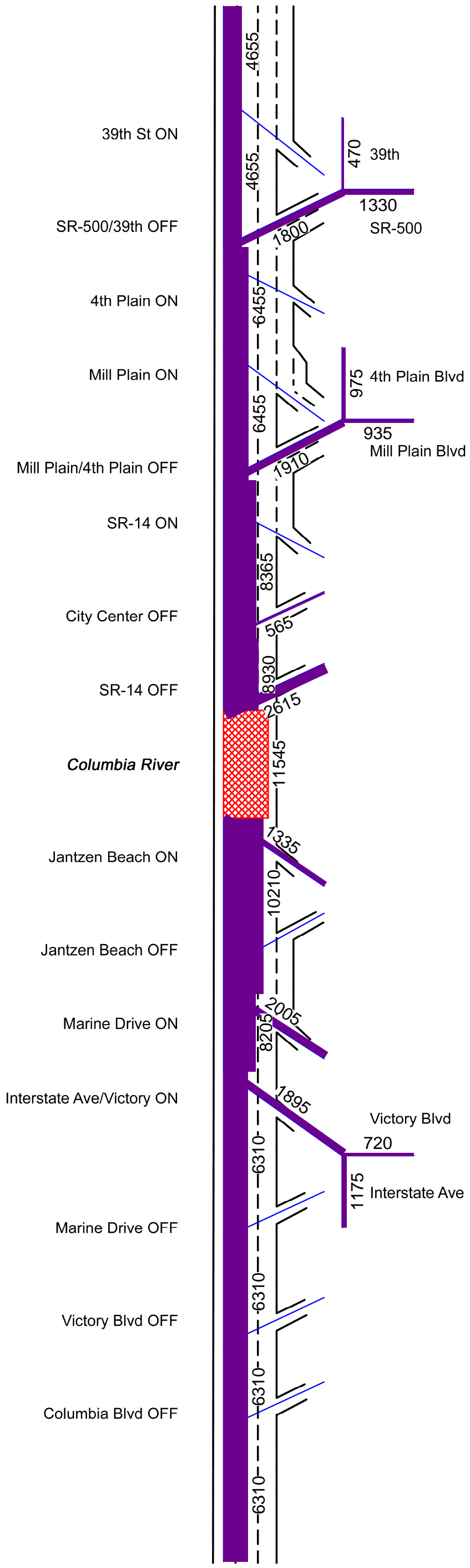
**2 Hour PM Volume**

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	



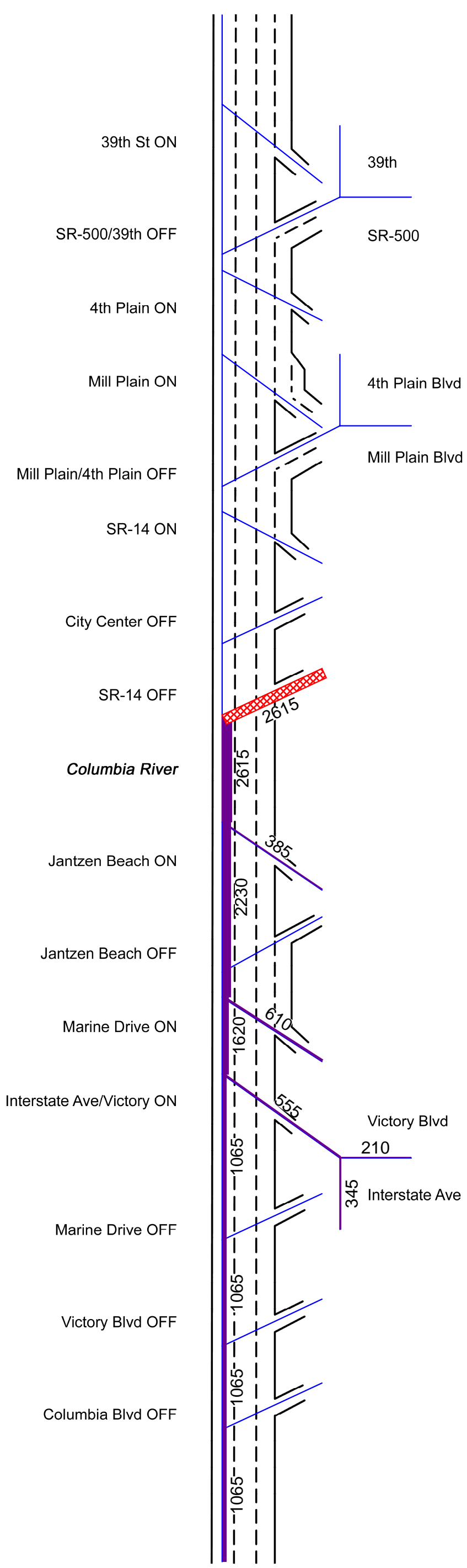
**2 Hour PM Volume**

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**

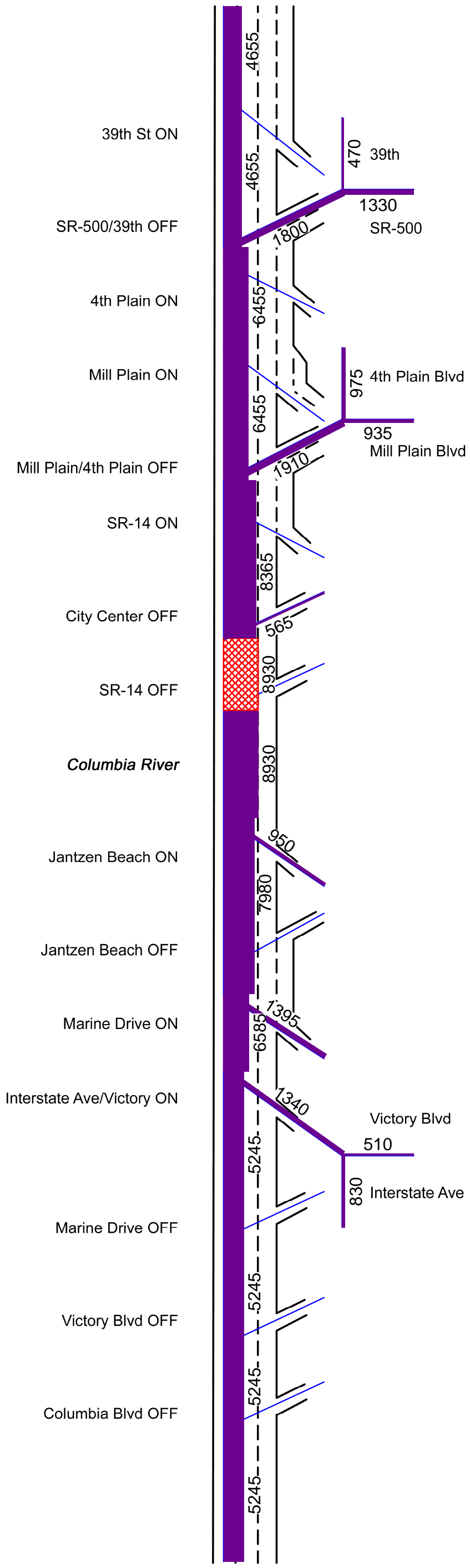
VISUM 9.35	Columbia River Crossing Project	Northbound_Existing_Vols
3/31/2006	2005 Existing Northbound Volumes - Select Link at Columbia River Bridge	



**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	

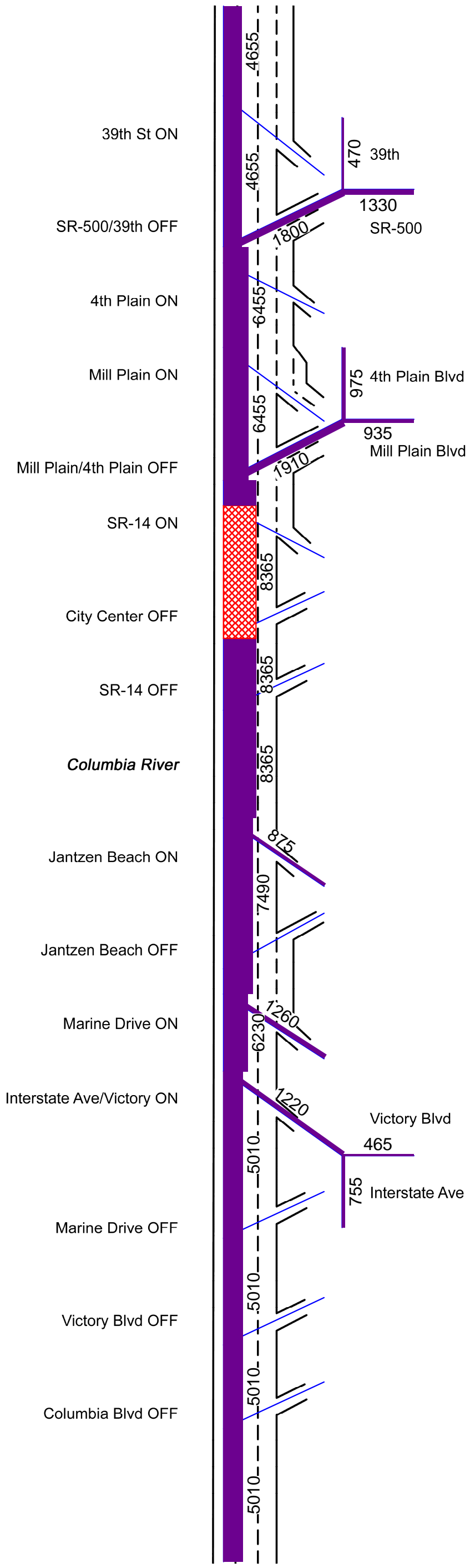




**2 Hour PM Volume**

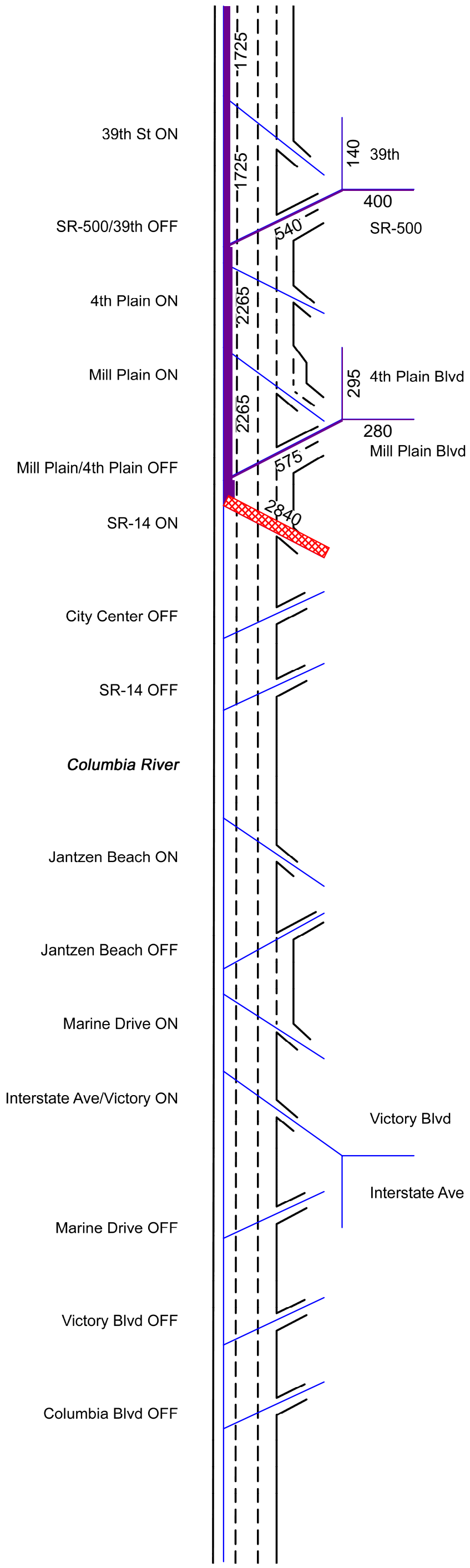
VISUM 9.35	Columbia River Crossing Project	Northbound_Existing_Vols
3/31/2006	2005 Existing Northbound Volumes - Select Link Between SR-14 Off-Ramp and City Center Off-Ramp	





**2 Hour PM Volume**

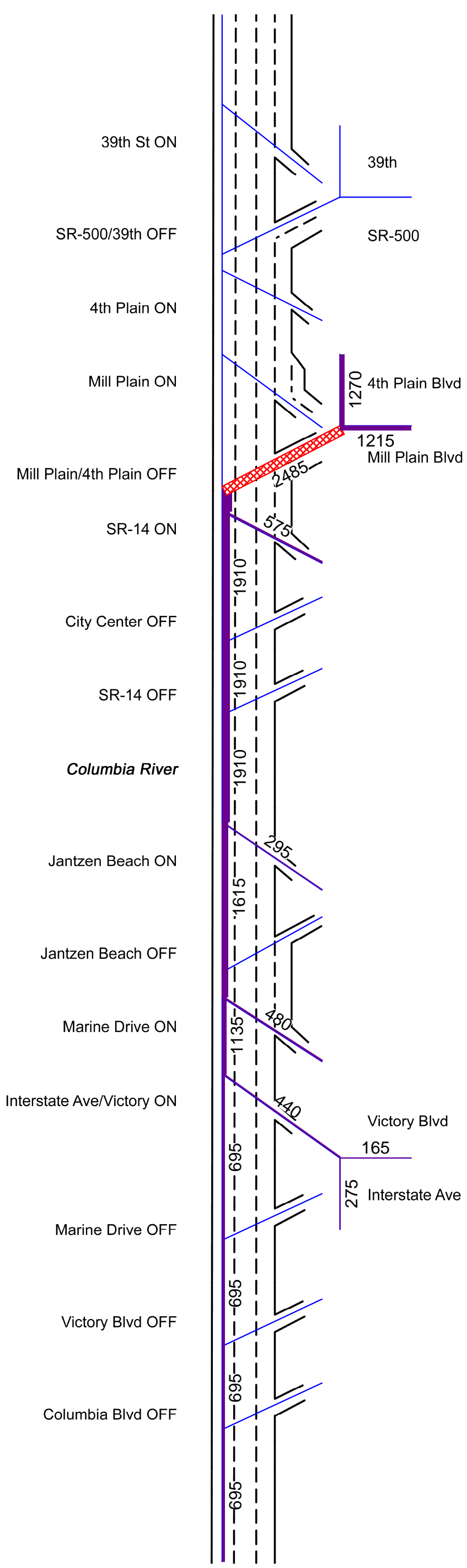
VISUM 9.35	Columbia River Crossing Project	Northbound_Existing_Vols
3/31/2006	2005 Existing Northbound Volumes - Select Link Between City Center Off-Ramp and SR-14 On-Ramp	



**2 Hour PM Volume**

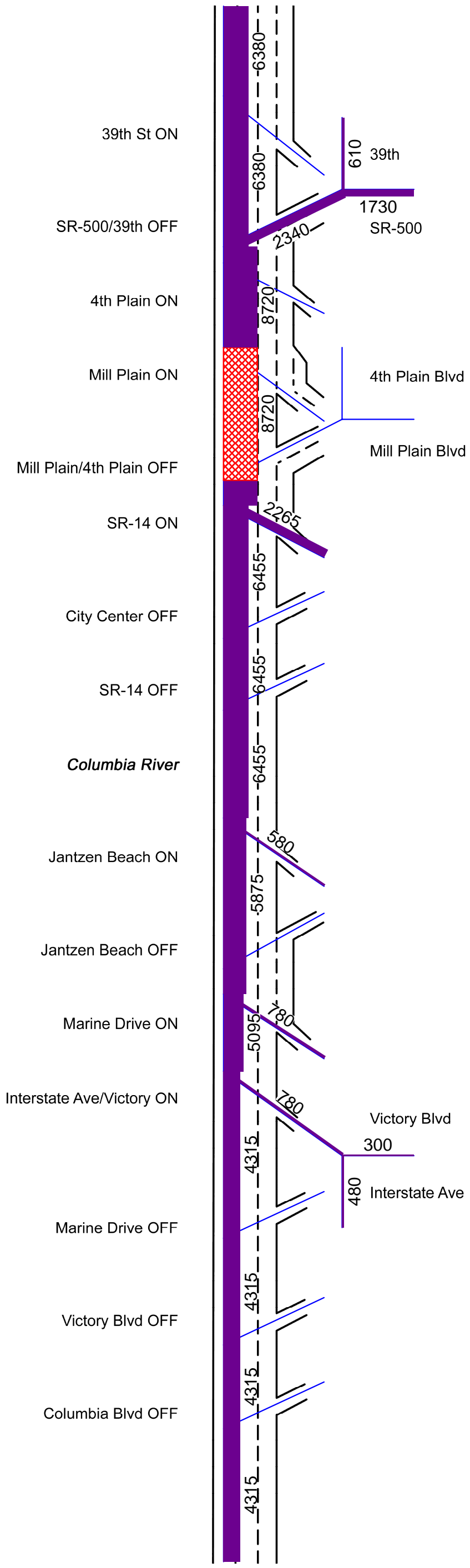
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3/31/2006	2005 Existing Northbound Volumes - Select Link at SR-14 On-Ramp	





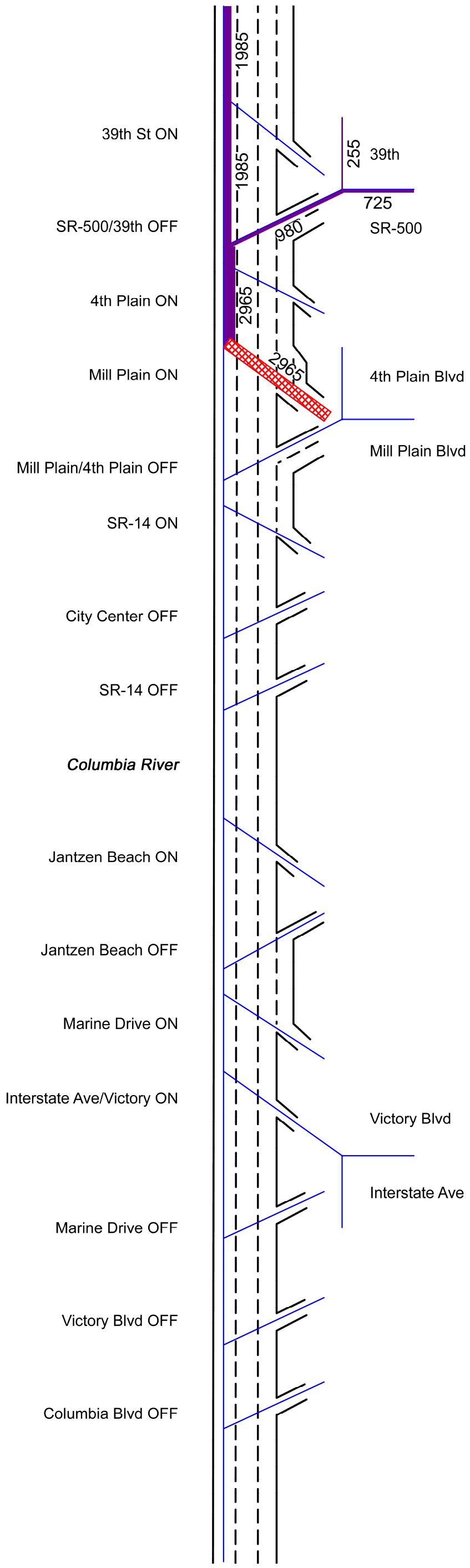
**2 Hour PM Volume**

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



**2 Hour PM Volume**

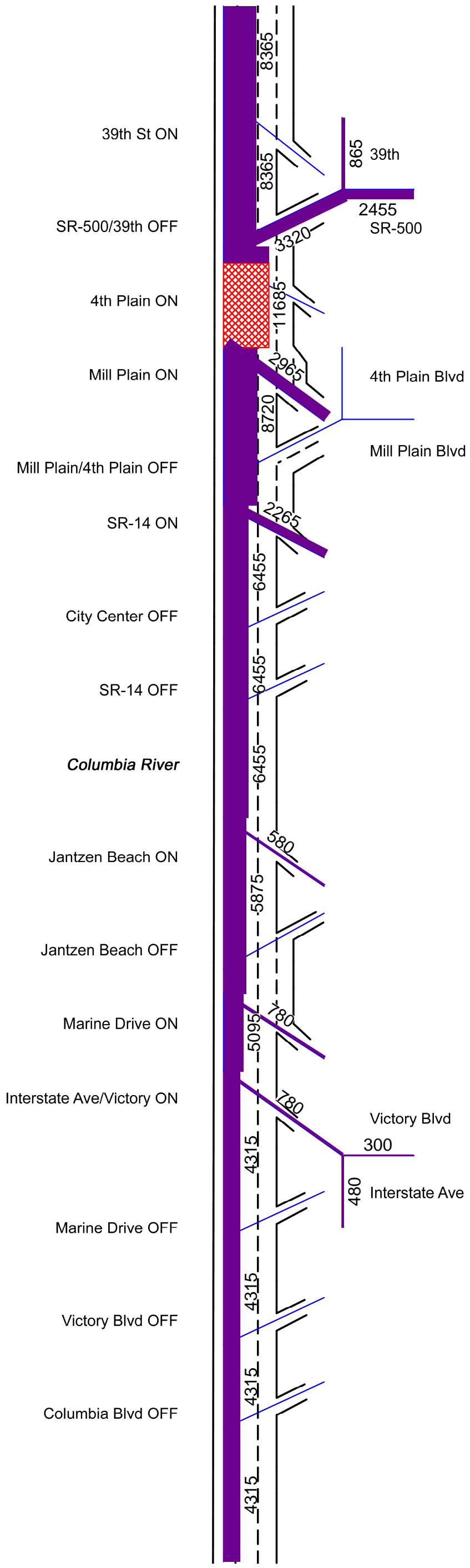
VISUM 9.35	Columbia River Crossing Project	Northbound_Existing_Vols
3/31/2006	2005 Existing Northbound Volumes - Select Link Between Mill Plain/4th Plain Off-Ramp and Mill Plain Blvd On-Ramp	



**2 Hour PM Volume**

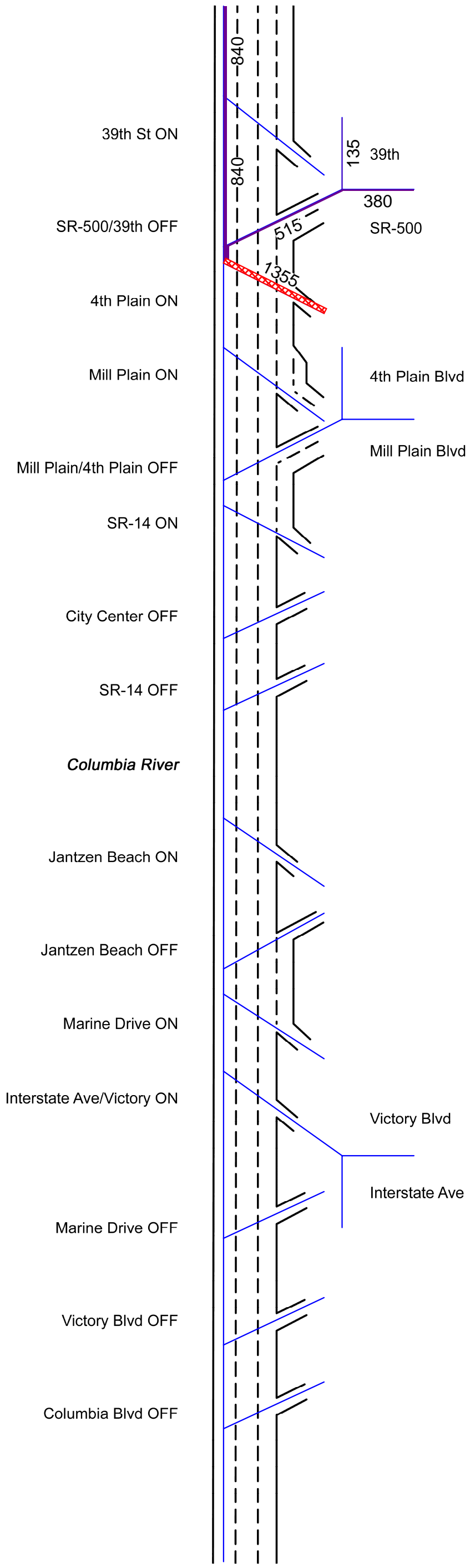
VISUM 9.35	Columbia River Crossing Project	Northbound_Existing_Vols
3/31/2006	2005 Existing Northbound Volumes - Select Link at Mill Plain Blvd On-Ramp	





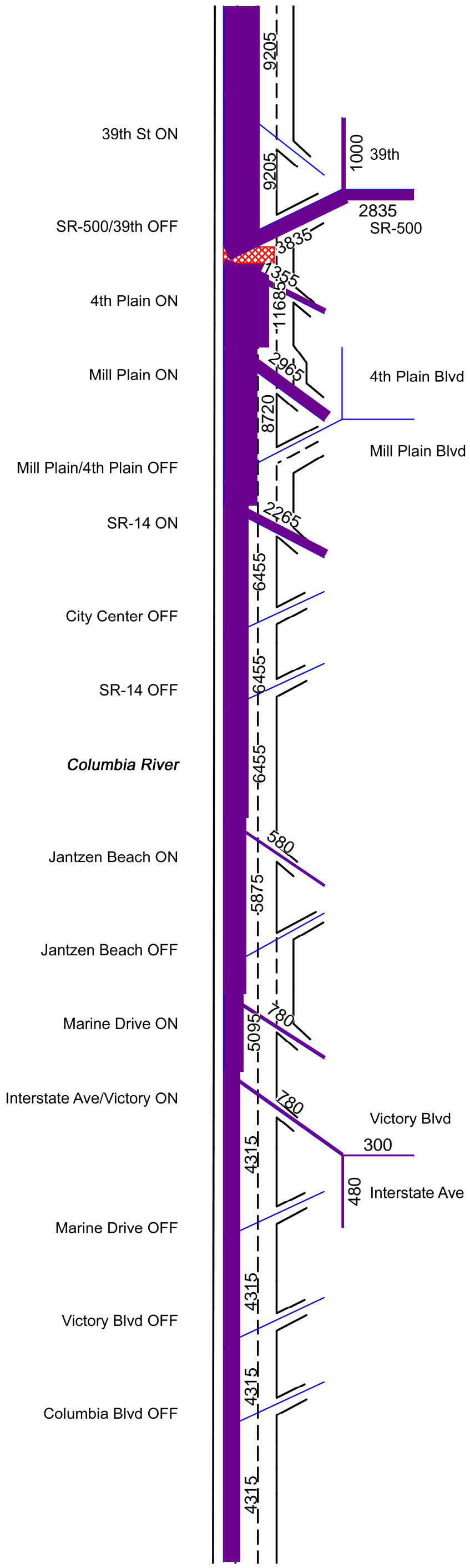
**2 Hour PM Volume**

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	



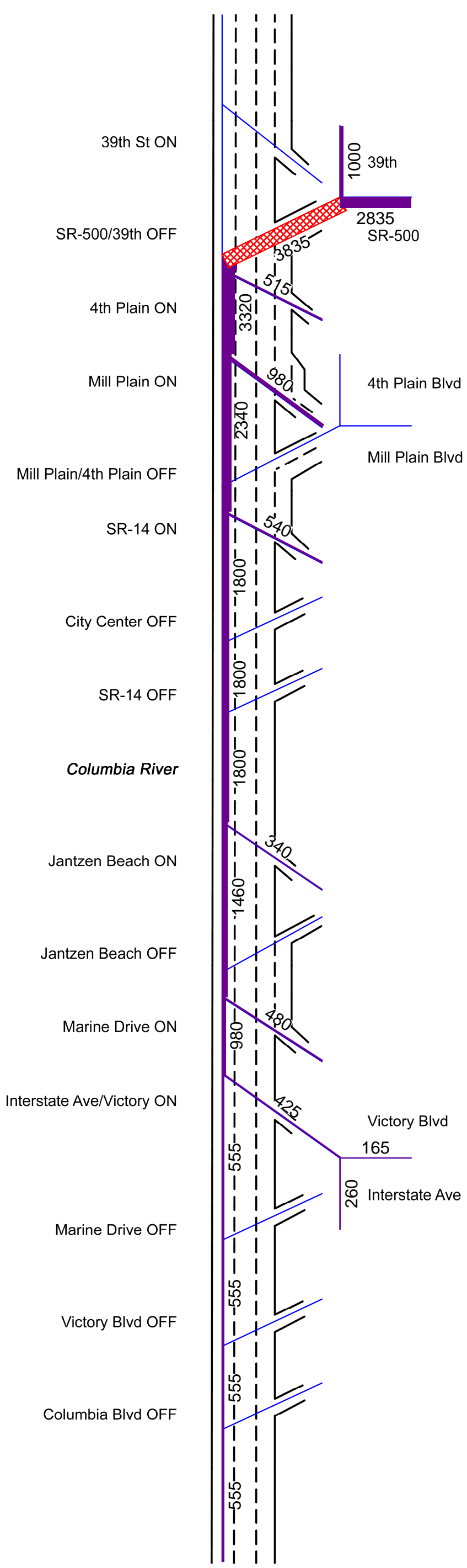
**2 Hour PM Volume**

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	



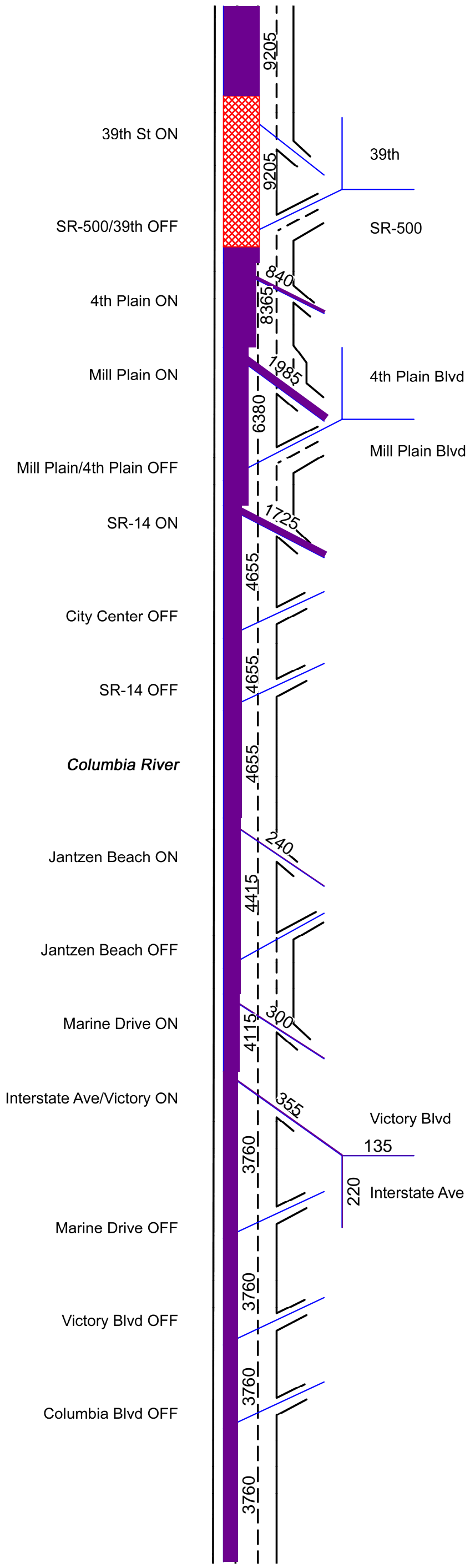
**2 Hour PM Volume**

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	



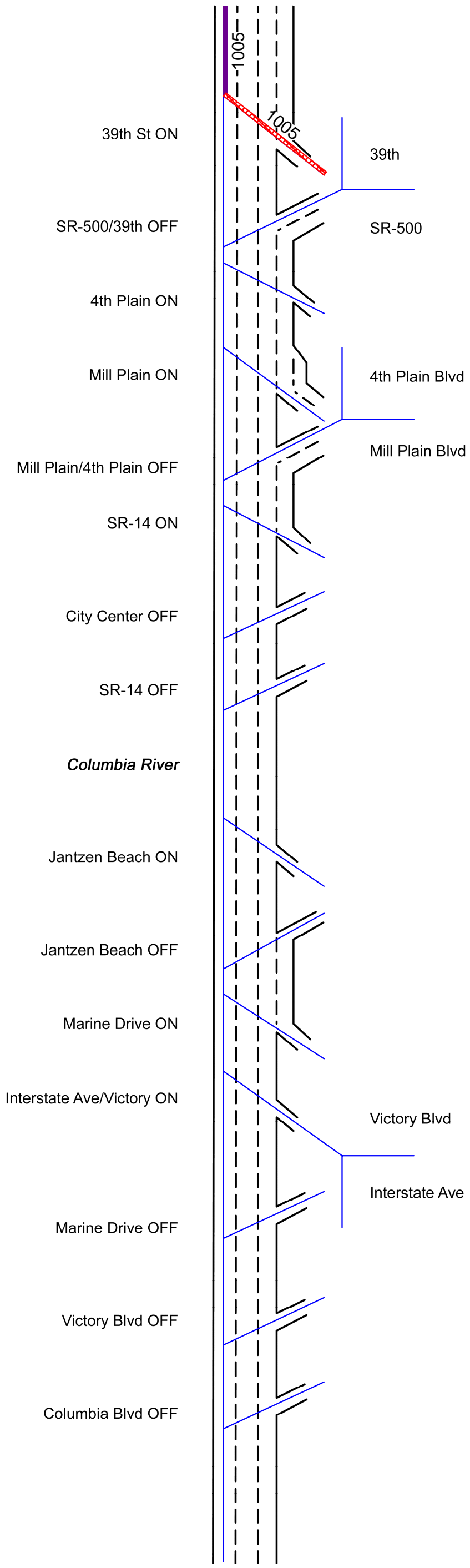
**2 Hour PM Volume**

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	



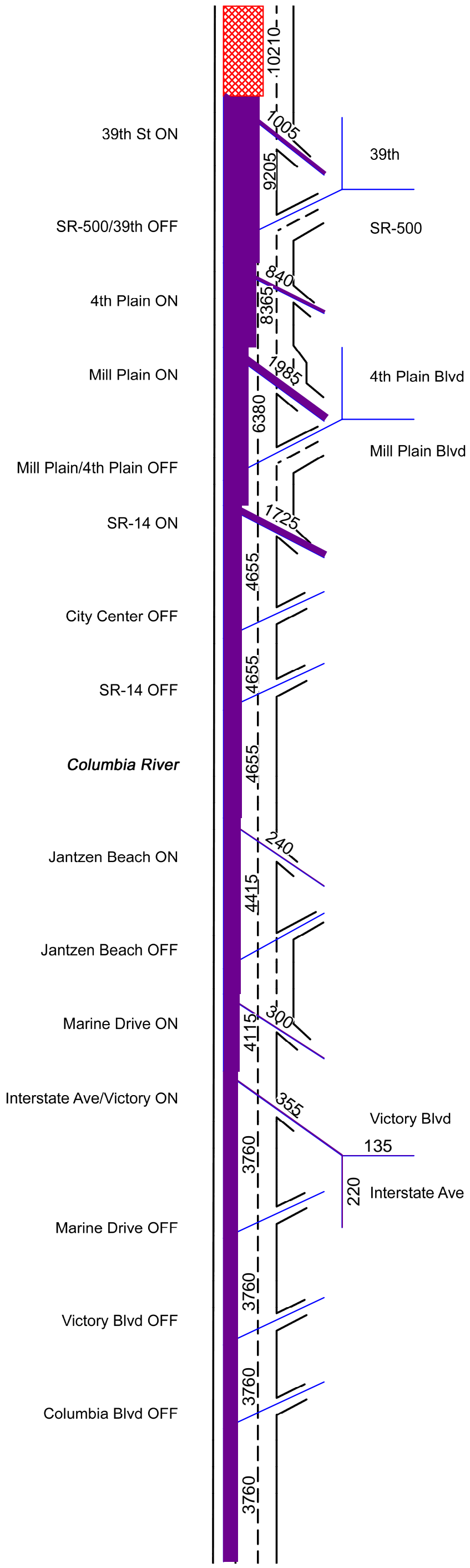
**2 Hour PM Volume**

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	