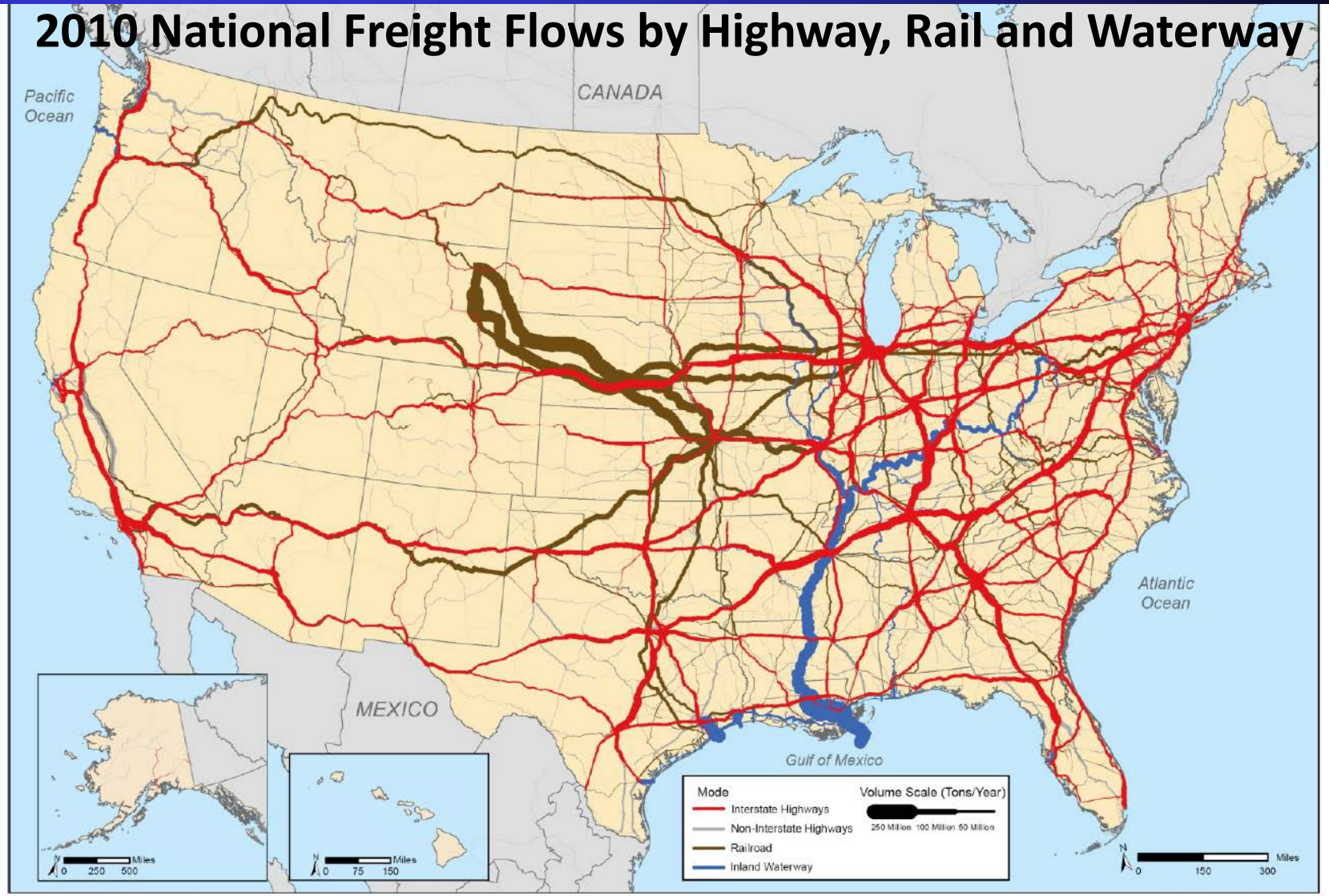
RTC Region Freight Snapshot

July 5, 2016

The Future of Freight

National, State and Regional

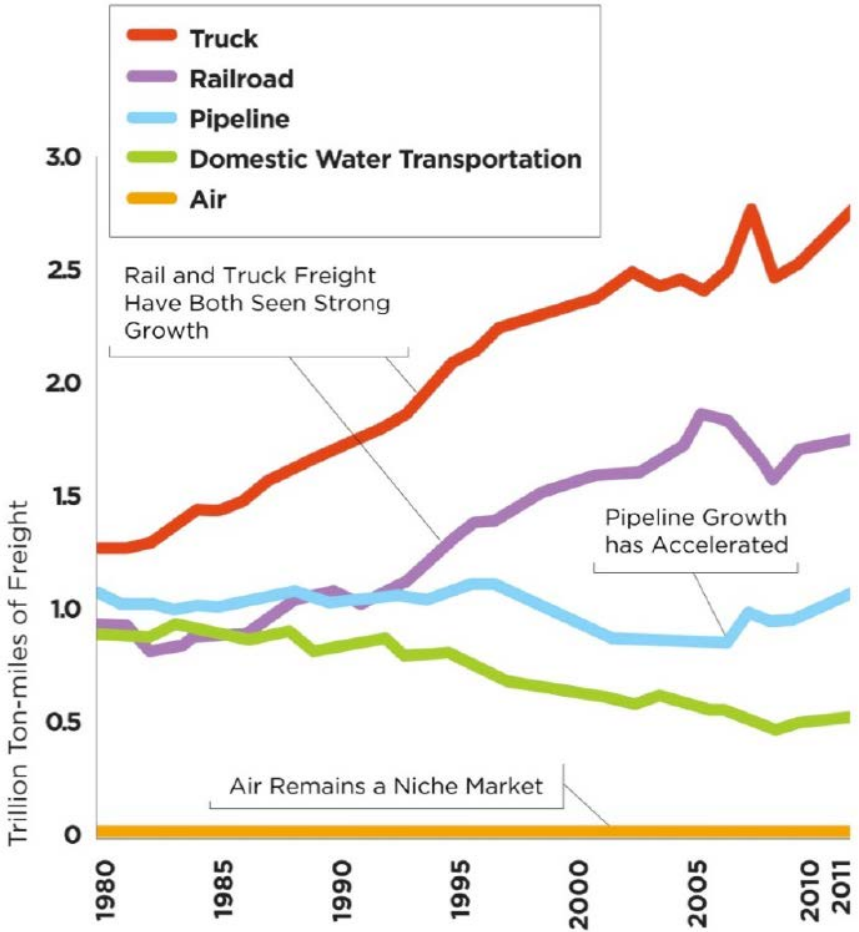
2010 National Freight Flows by Highway, Rail and Waterway



Source: USDOT - Beyond Traffic 2045

U.S. Ton-Miles of Freight (in Millions)

BTS Special Tabulation



Source: USDOT - Beyond Traffic 2045

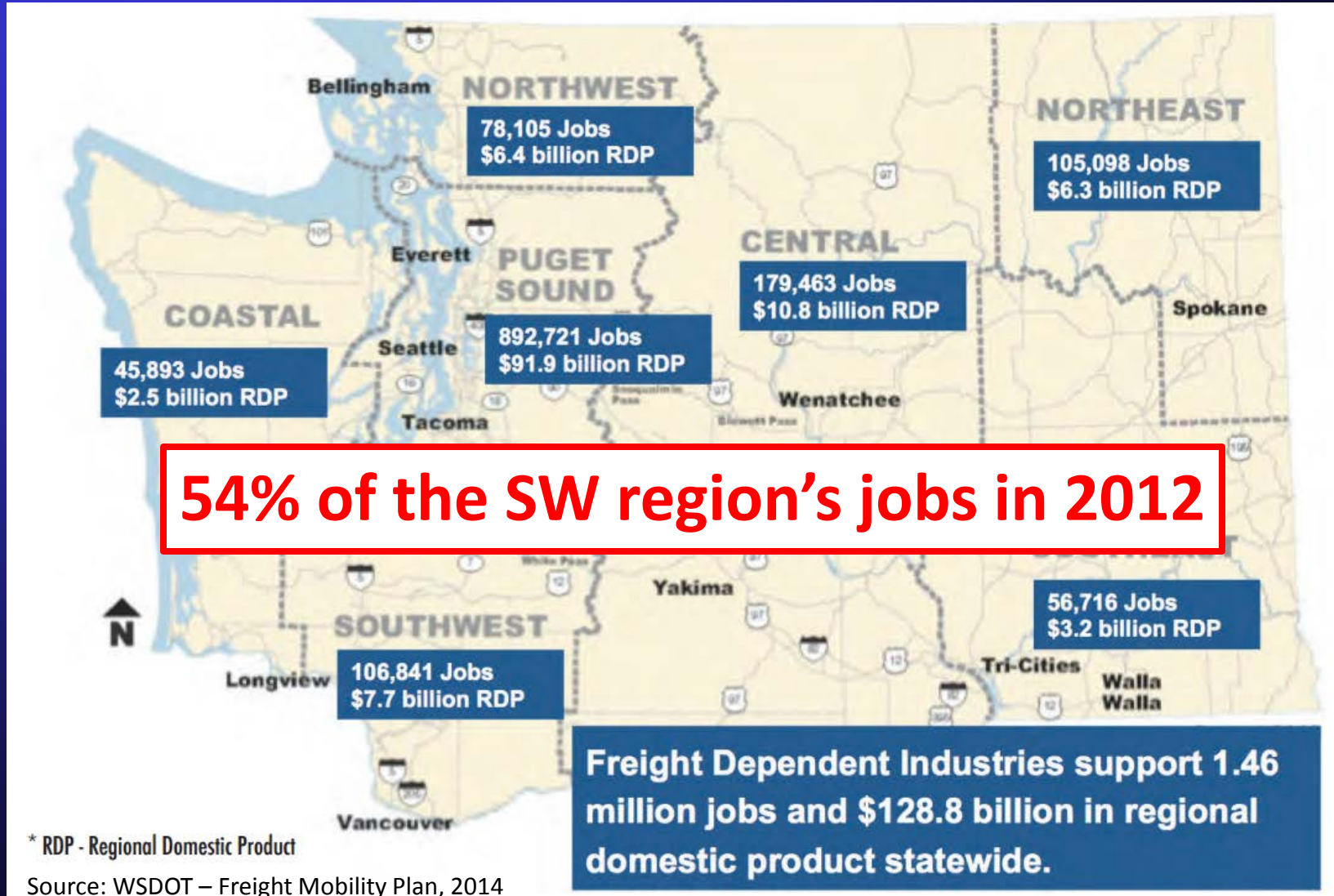
Freight Movement is Multimodal

Every mode of transportation moves freight, but trucking is the primary mode of freight travel.

	2012	(in tons)	2040
Truck	**13.2** billion	+43%	**18.8** billion
Rail	**2.0** billion	+37%	**2.8** billion
Waterborne	**975** million	+10%	**1.1** billion
Air	**15** million	+250%	**53** million

54 million tons of freight move across our nation every day

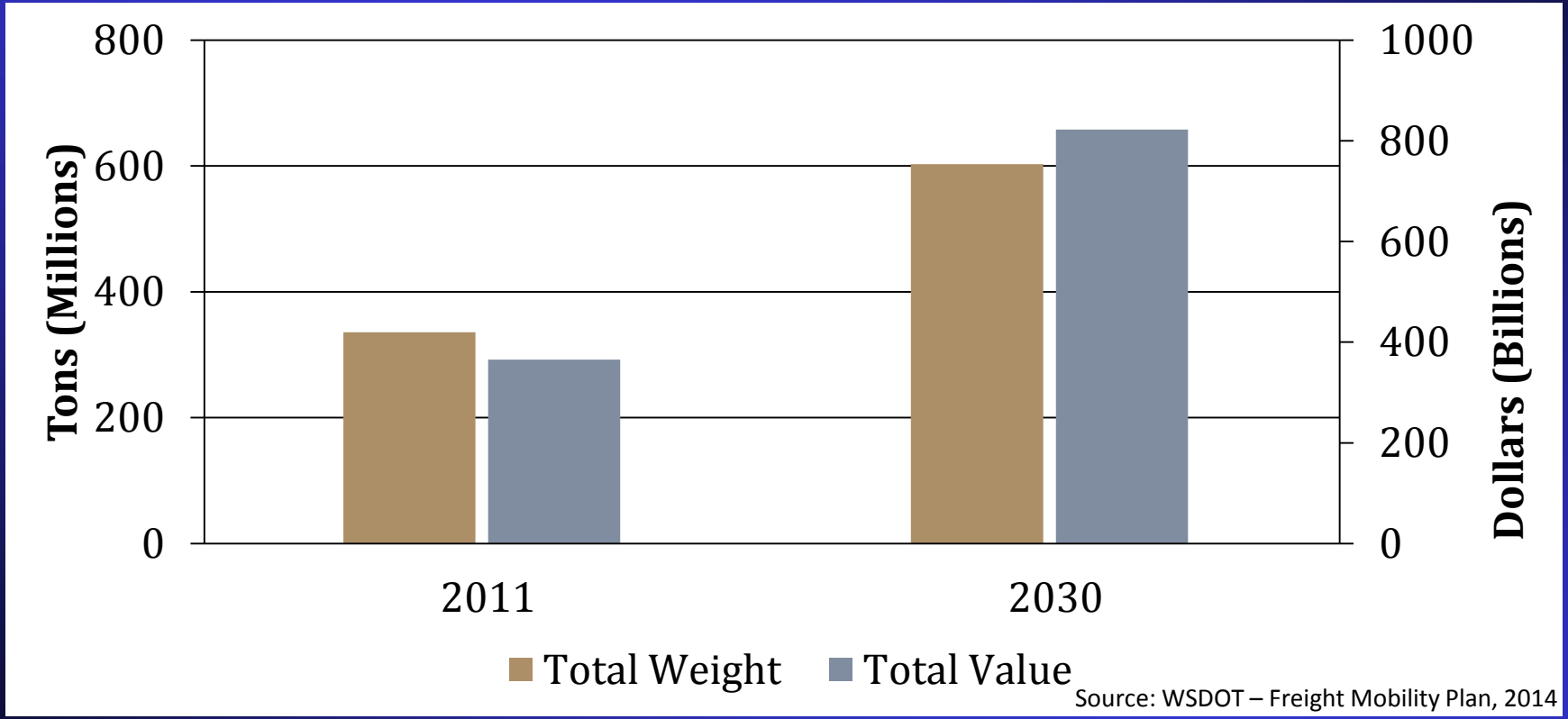
Source: USDOT - Beyond Traffic 2045



* RDP - Regional Domestic Product

Source: WSDOT – Freight Mobility Plan, 2014

Washington State Freight Forecast - Truck



Source: WSDOT – Freight Mobility Plan, 2014

Portland-Vancouver Region Freight Forecast: 2010 – 2040 (millions of tons)

Mode	2010	2040	growth	% increase
Truck	183.56	388.29	204.73	112%
Rail	40.04	77.01	36.97	92%
Water	18.00	37.21	19.22	107%
Air	0.23	0.64	0.41	183%
Pipeline	10.09	18.80	8.71	86%
Ocean	29.47	71.51	42.04	143%
Total	*281.38*	*593.46*	*312.07*	*111%*

Source: FHWA FAF3 Data, 2007

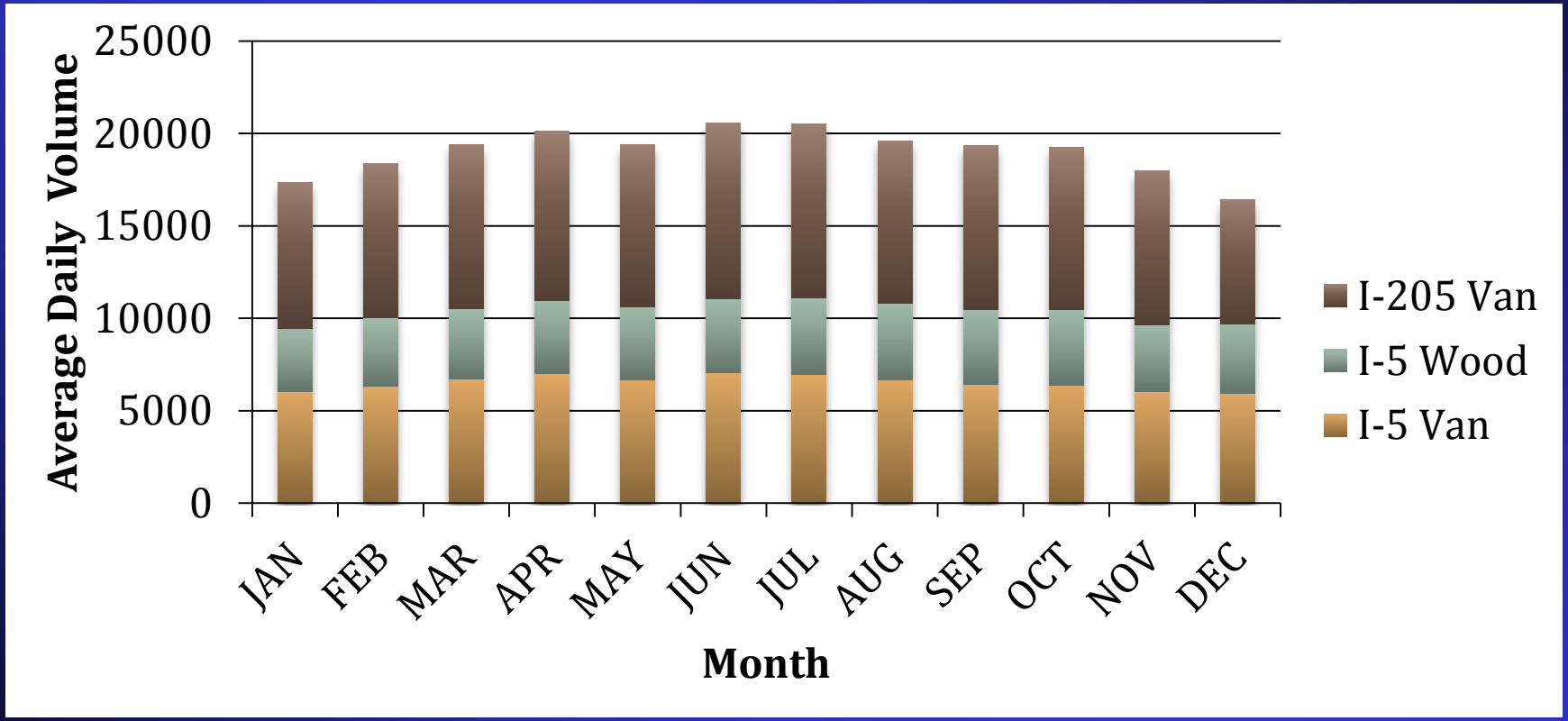
Port of Vancouver: 2010 - 2015

	2010	2015	Growth	% increase
Rail Cars	48,062	55,874	7,812	16.25%
Marine (Metric Tons)	5,696,072	6,957,221	1,261,149	22.14%

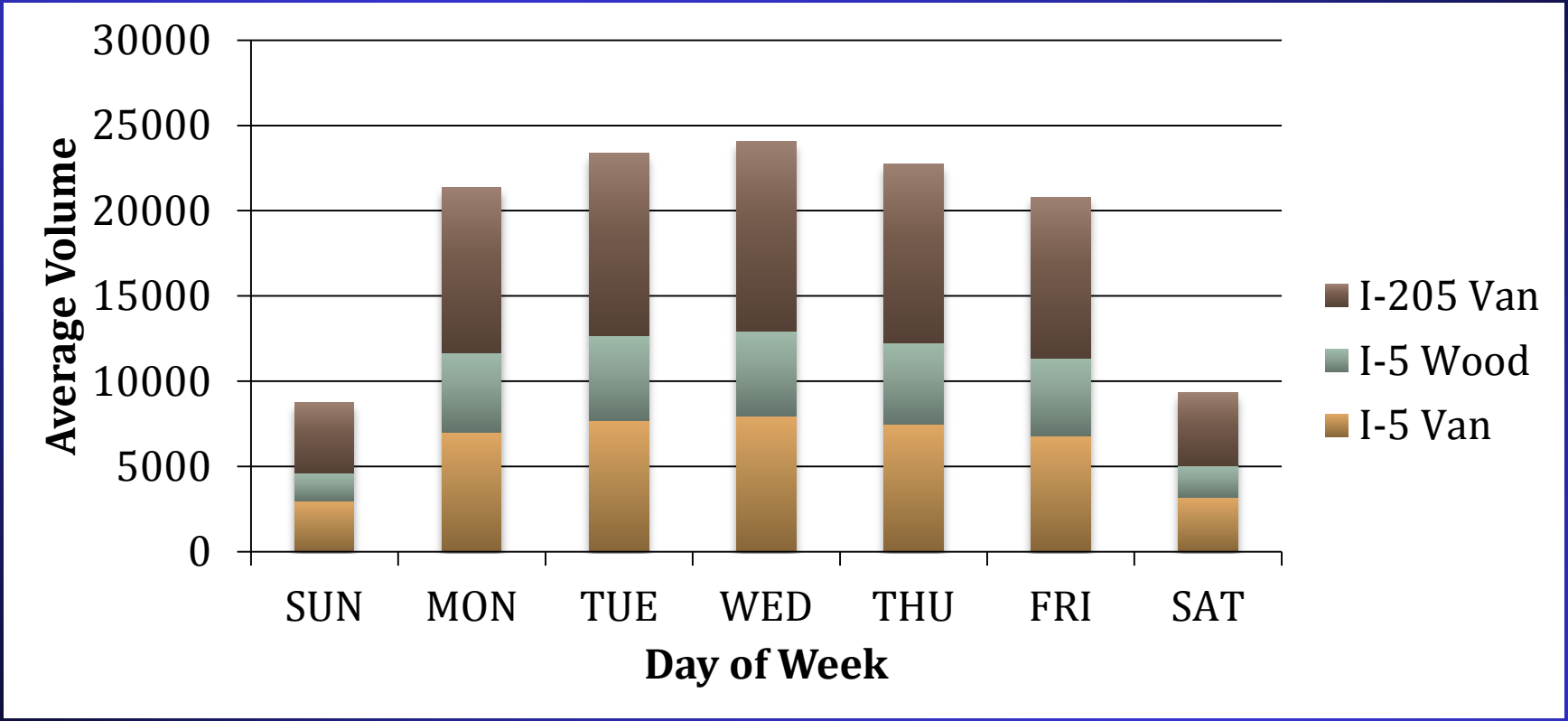
Source: Port of Vancouver

Clark County Truck Count Data

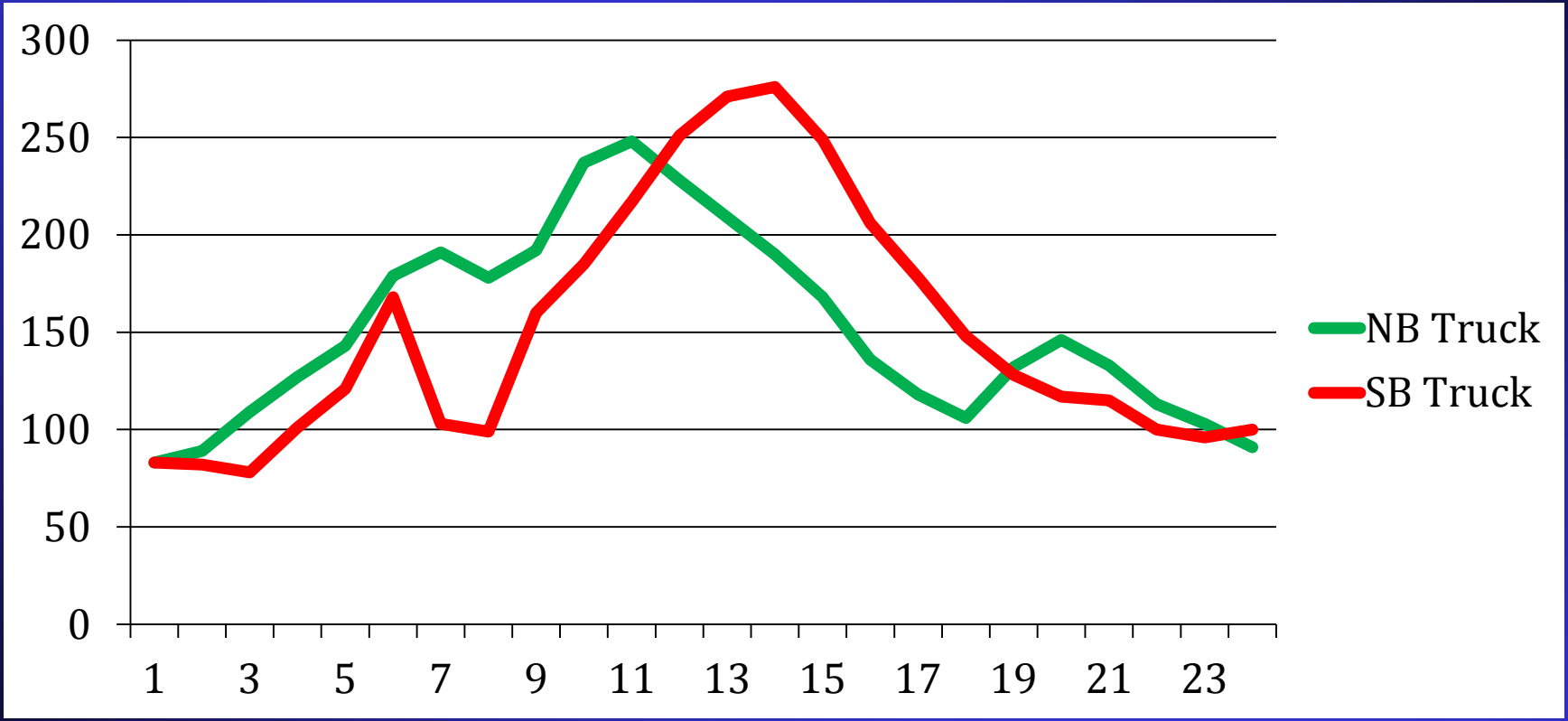
Truck Volume by Month



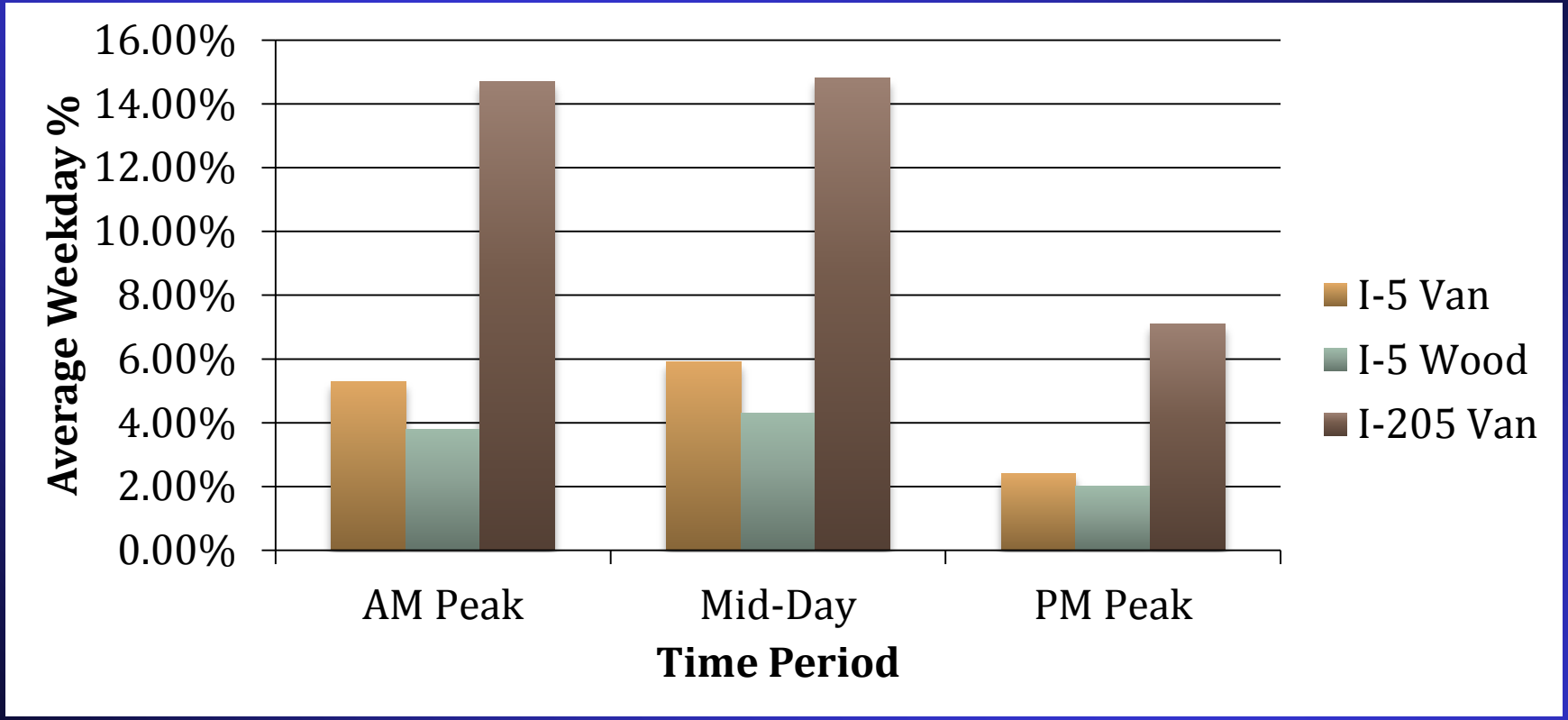
Truck Volumes by Day of Week



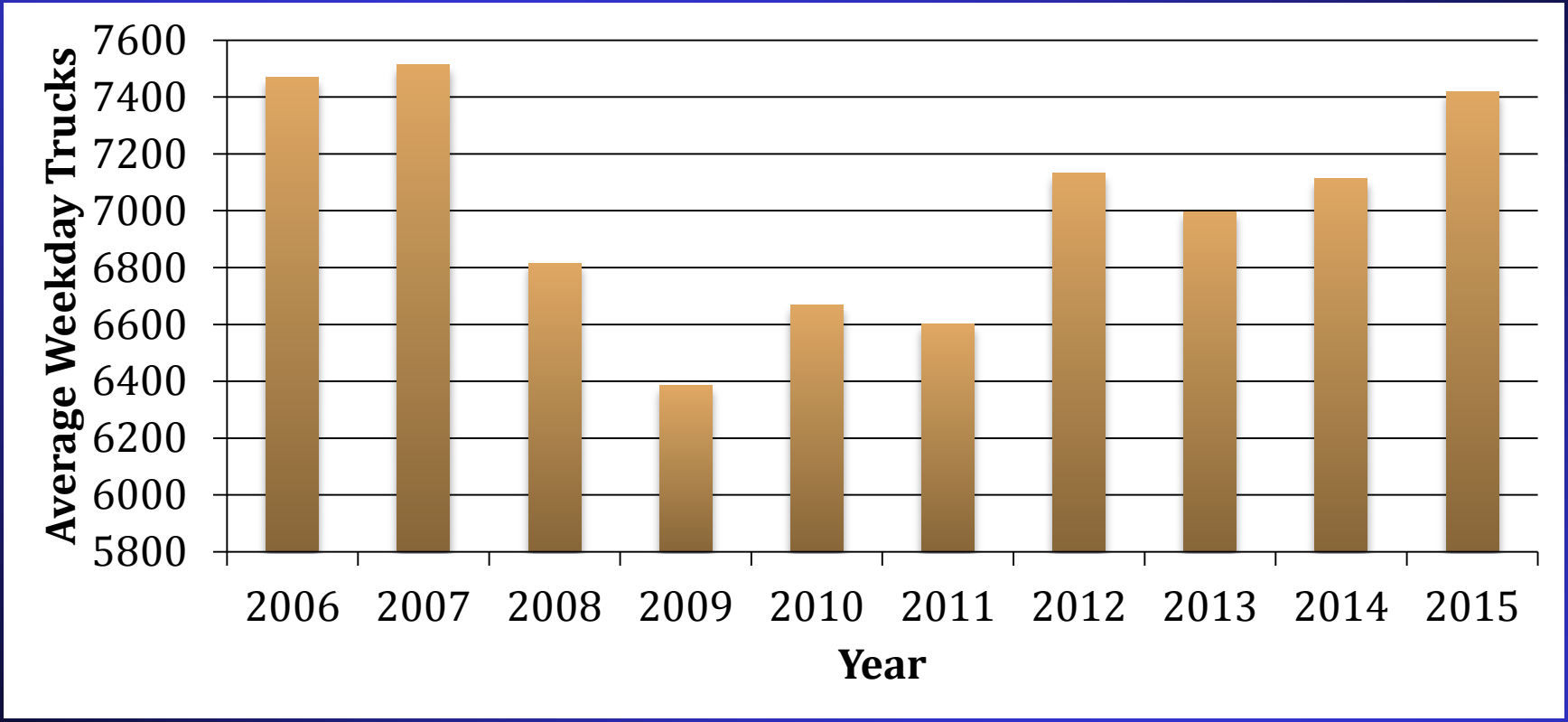
Truck Volumes by Time of Day



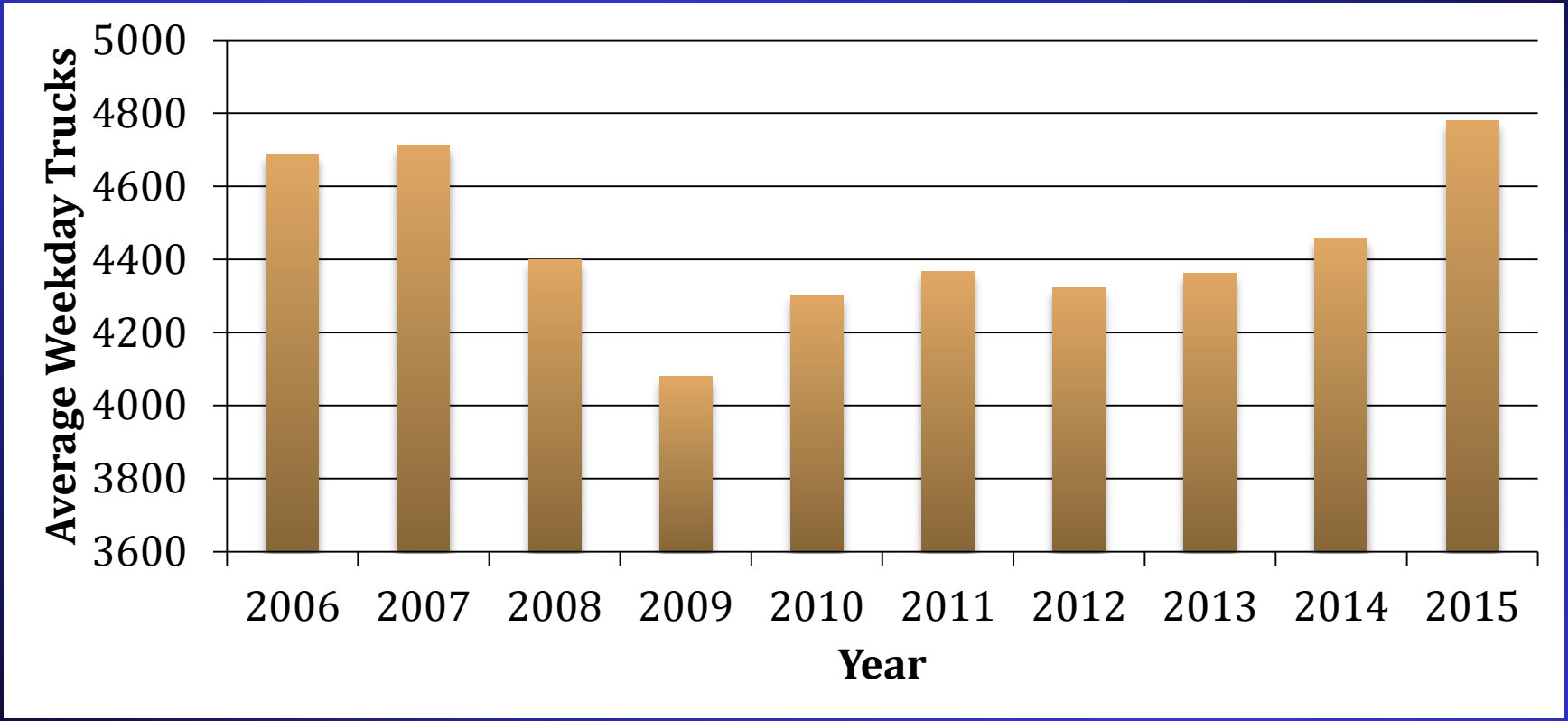
Truck Percentage



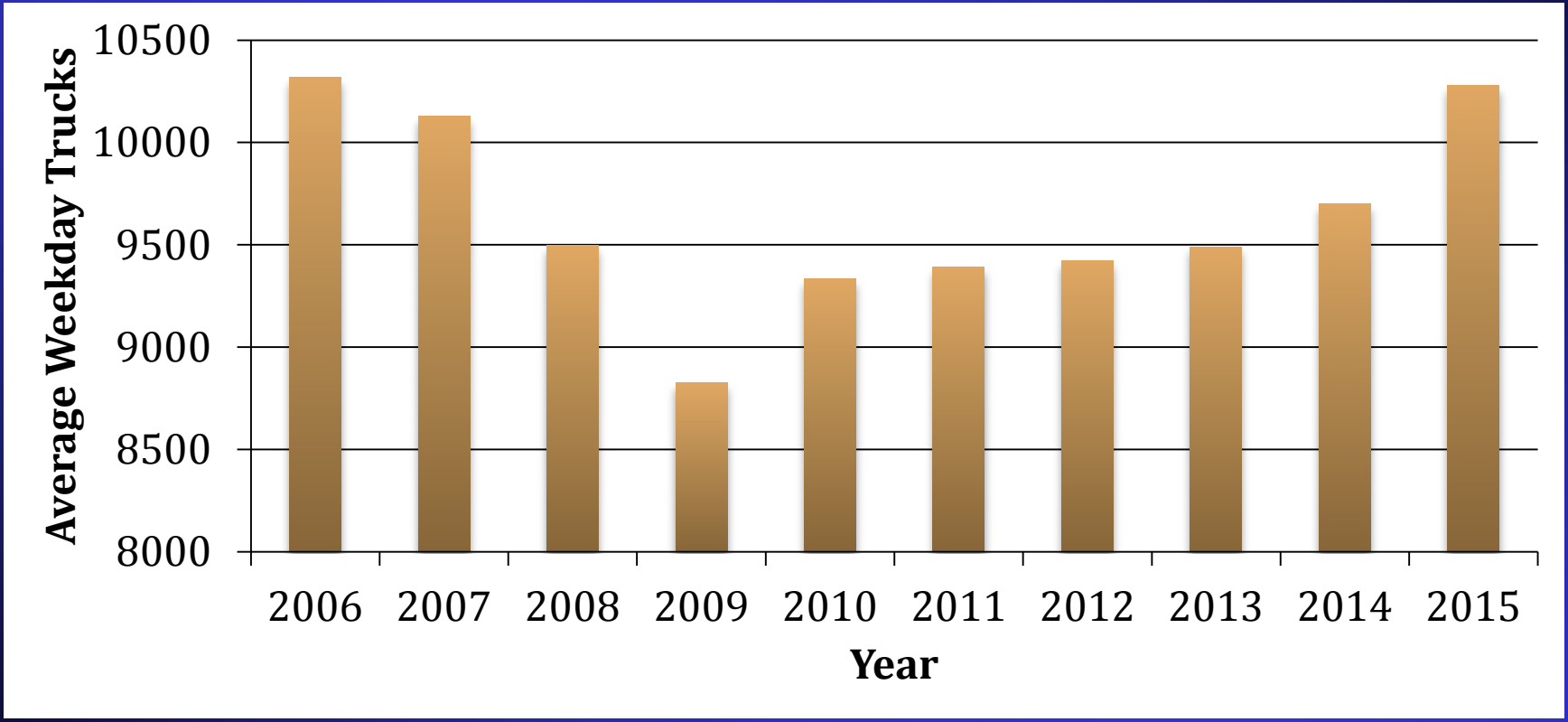
I-5 S. of SR-500


Average Weekday Trucks
7600
7400
7200
7000
6800
6600
6400
6200
6000
5800
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
Year

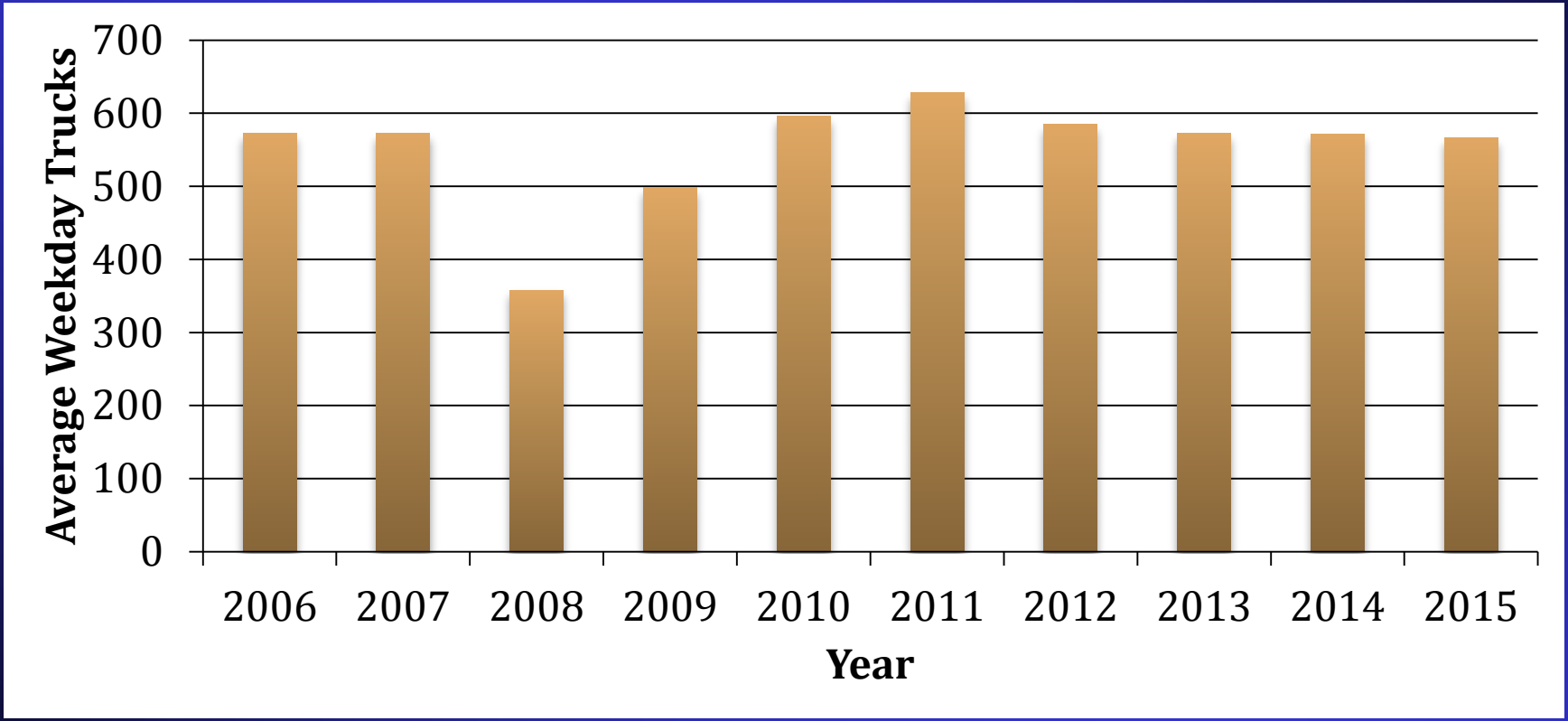
I-205 N. of Mill Plain AWD Truck



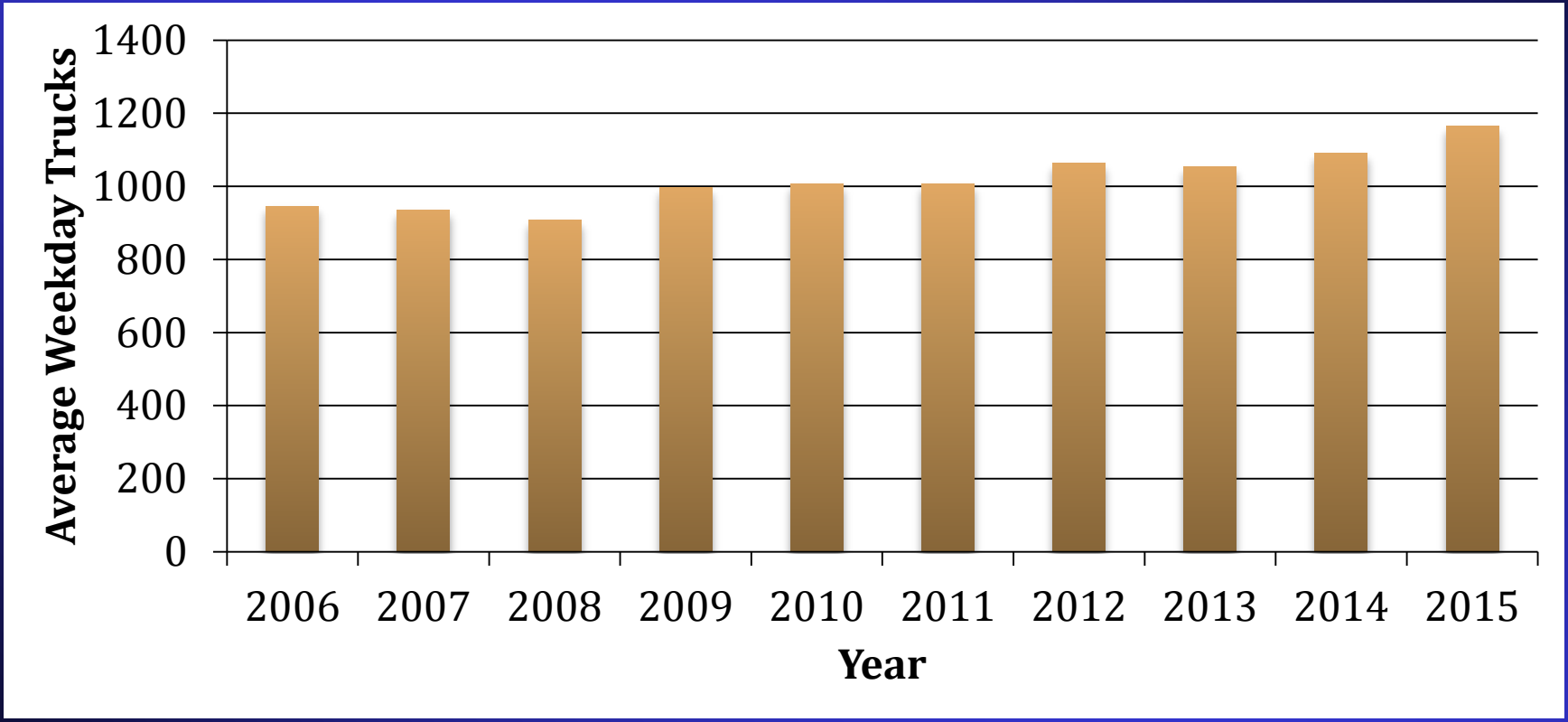
I-5 S. of Woodland



SR-14 E. of SR-97



SR-97 N. of Goldendale



2009 Freight Strategies

I-5 Corridor	In RTP	Funded	Completed
Salmon Creek Interchange (2014)	N/A	✓	✓
I-205 to 179th St. Auxiliary Lanes (2014)	N/A	✓	✓
Mill Plain Interchange (2026)	✓	✓	
Columbia River Crossing	✓		
Salmon Creek Interchange Phase II	✓		
SR-500 Interchange	✓		
179th St. to SR-502 Auxiliary Lanes	X		

2009 Freight Strategies

I-205 Corridor	In RTP	Funded	Completed
I-205 Corridor Study (2014)	N/A	✓	✓
Mill Plain to NE 18th St., Stage 1 (2009)	N/A	✓	✓
Mill Plain to NE 18th St., Stage 2 (2016)	✓	✓	Fall
SR-500 SB Lane Modification (2016)	✓	✓	Fall
28th St. to SR-500 Auxiliary Lanes	✓		
Padden Interchange w/ 72nd Av. Slip	✓		
SR-500 to Padden Widening	✓		
Ramp Meters	✓		
SR-14 Interchange	X		
Padden to 134th Widening	X		

Questions?