



SR 520 Tolling: Traffic Monitoring

Tuesday, January 10, 2012

Baseline data: M-F, 10/29-11/18 & 11/26-12/16

Daily Volume:

% change
1/10/2012
M-F, 10/29- 11/18 & 11/26-12/16

SR 520 Bridge

-38%
62,500
101,100

I-90 Bridge

11%
153,200
137,900

Cross-lake Total I-90, SR 520, SR 522

-7%
260,300
279,700

SR 522 at 68th Ave NE

10%
44,600
40,700

Traffic Summary:

Traffic volume on the SR 520 bridge was down 38% compared to a typical weekday. This volume is similar to last Friday, and is one of the highest volumes seen since the beginning of tolling. However, volume was higher in the morning peak in both directions than it was last Friday, likely due to delays on alternate routes. Total daily volume on I-90 was up 11% and SR 522 was up 10%. The morning commute saw many routes with unusually high travel times such as I-90 westbound, SR 522 westbound, I-5 southbound into Seattle, I-5 northbound into Seattle, I-405 southbound into Bellevue, and I-405 southbound into Tukwila. Travel time on I-90 westbound between Issaquah and Seattle reached a peak of 60 minutes, which is much higher than the normal range of 18-30 minutes. SR 522 westbound between Woodinville and I-5 reached almost 45 minutes, 10 minutes higher than average. SR 520 travel time remained faster than usual in both directions throughout the day. The evening commute generally saw normal travel times, with I-90 eastbound slightly higher than usual and becoming slower earlier. SR 522 eastbound was also slightly higher than usual, with a peak of over 35 minutes instead of about 30 minutes between I-5 and Woodinville.

Major Incidents:

Collision on SR 167 NB at 84th Ave S blocking 2-3 lanes from 6:39 to 7:50 am
 Disabled vehicle on I-90 WB at Mt Baker Tunnel blocking 1 lane from 6:42 to 6:48 am
 Collision on I-5 SB at 44th Ave W blocking 1 lane from 7:57 to 8:00 am
 Collision on I-405 SB just north of 195th St blocking 1 lane from 7:29 to 8:03 am
 Collision on I-5 SB Express Lanes at NE 85th St blocking 1 lane from 7:55 to 8:08 am
 Disabled vehicle on I-5 NB at Albro PI blocking 1 lane from 9:04 to 9:12 am
 Collision on I-5 SB Express Lanes at NE 85th St blocking 1 lane from 9:07 to 9:12 am
 Collision on SR 527 NB at 196th blocking all lanes from 9:10 to 9:25 am
 Collision on I-90 EB at E Mercer Way blocking 1 lane from 9:31 to 9:36 am
 Collision on I-5 NB at W Seattle Bridge blocking 1 lane from 10:09 to 10:24 am
 Disabled vehicle on I-5 NB at W Seattle Bridge blocking 1 lane from 11:51 to 11:54 am
 Collision on I-5 SB at 41st St blocking 1-3 lanes from 12:55 to 1:09 pm
 Disabled vehicle on I-5 NB at W Seattle Bridge blocking 1 lane from 12:57 to 12:59 pm
 Collision on SR 900 at 108th St NE blocking 1 lane from 2:42 to 4:29 pm
 Disabled vehicle on I-5 NB at I-90 blocking 1 lane from 5:27 to 5:32 am
 Collision on I-5 SB at 44th Ave W blocking 1 lane from 6:03 to 6:14 pm
 Disabled vehicle on SR 522 EB at SR 524 blocking 1 lane from 7:09 to 8:33 pm
 Collision on I-5 SB at I-90 blocking 2 lanes from 9:23 to 9:34 pm

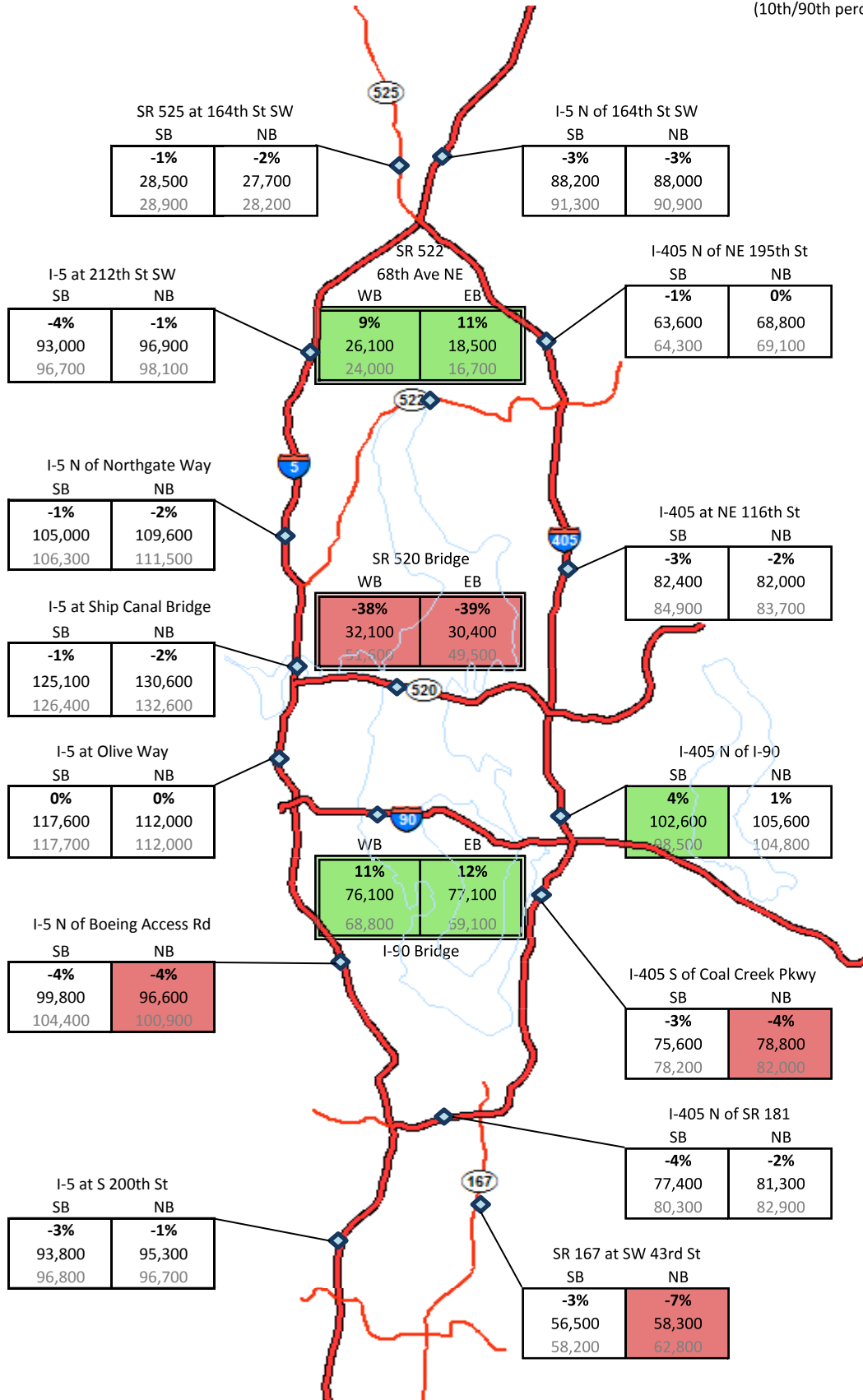
Special Events:

UW basketball at 7:00 pm

SR 520 Tolling: Traffic Monitoring
Daily Mainline Volumes
Tuesday, January 10, 2012

Base data: M-F, 10/29-11/18 & 11/26-12/16

% change 1/10/2012 median	above range of typical variation	below range of typical variation
	(10th/90th percentile)	



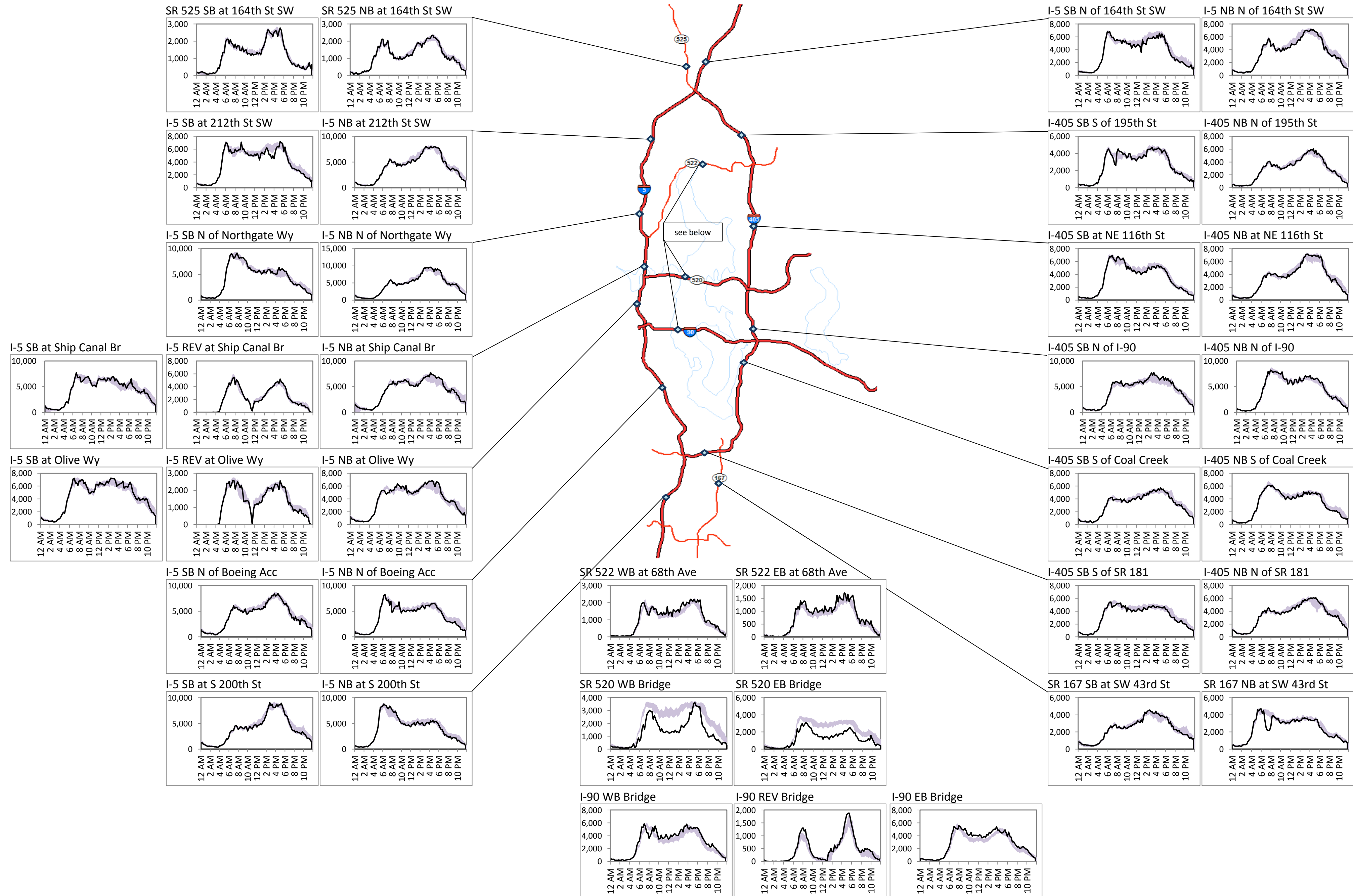
SR 520 Tolling: Traffic Monitoring

Hourly Mainline Volumes

Tuesday, January 10, 2012

— Tuesday, January 10, 2012

■ Typical Range (10-90%ile, M-F, 10/29-11/18 & 11/26-12/16)



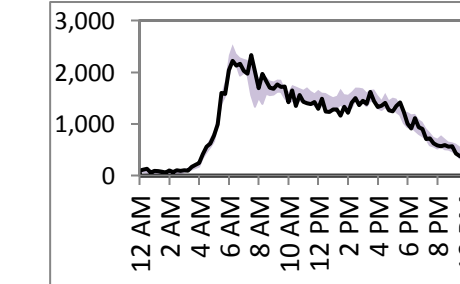
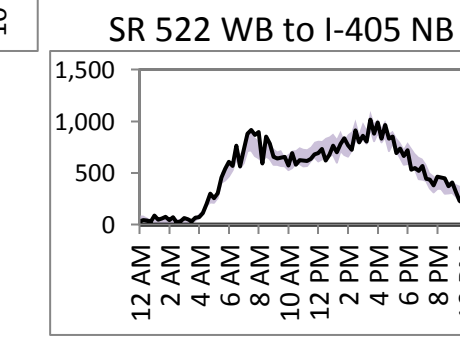
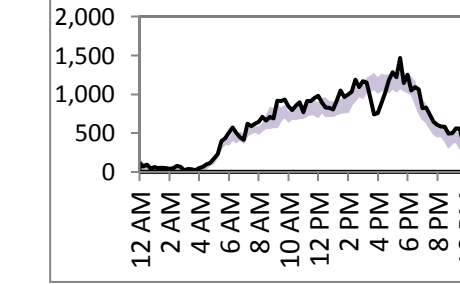
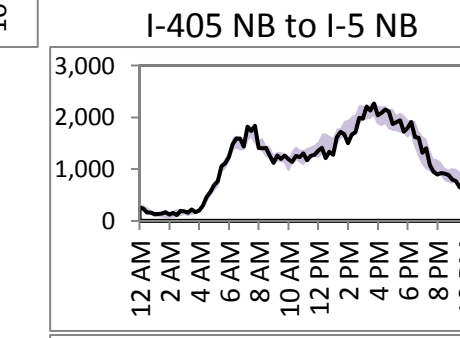
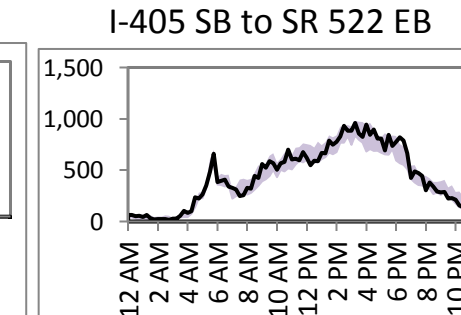
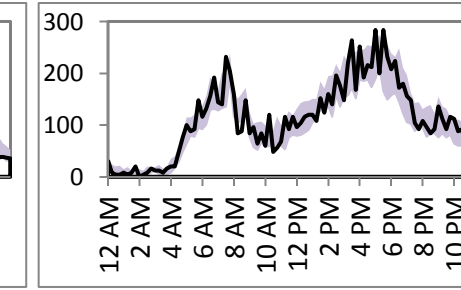
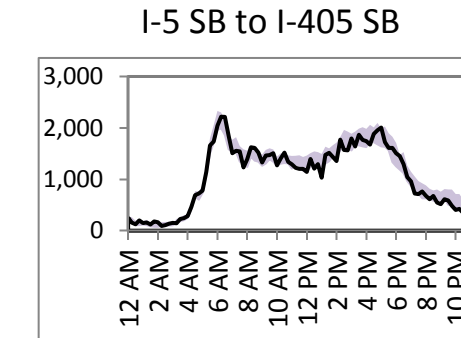
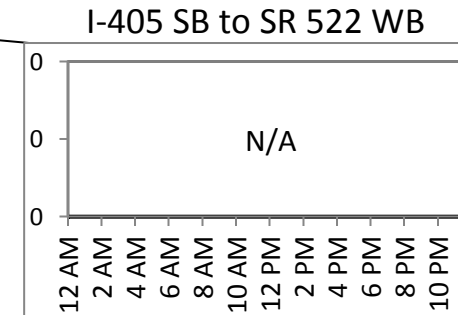
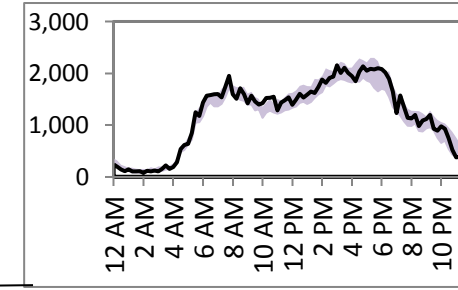
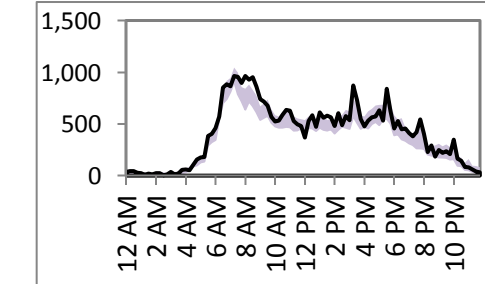
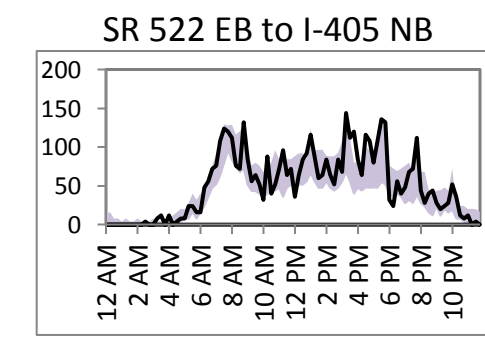
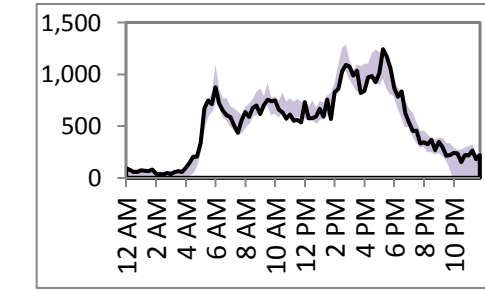
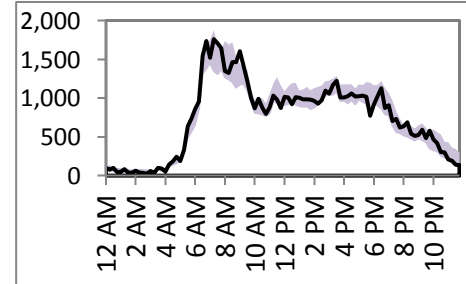
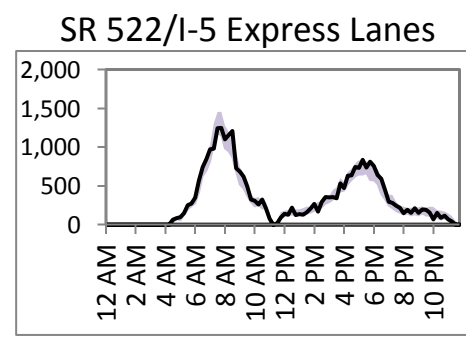
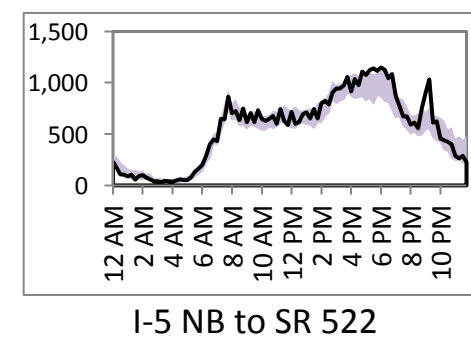
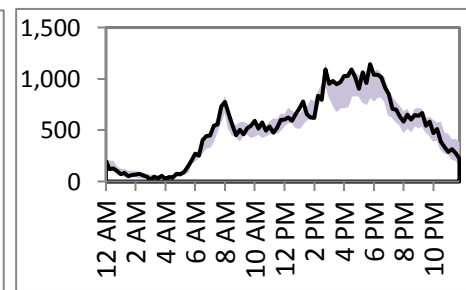
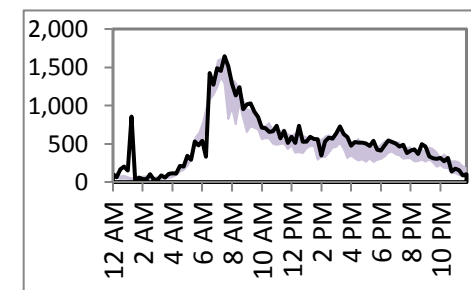
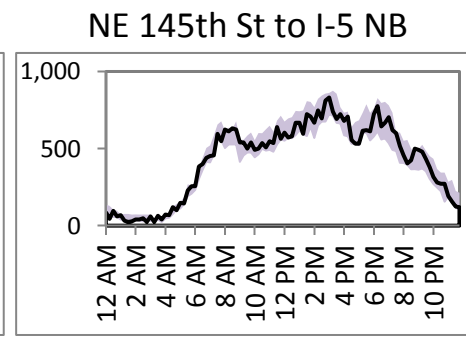
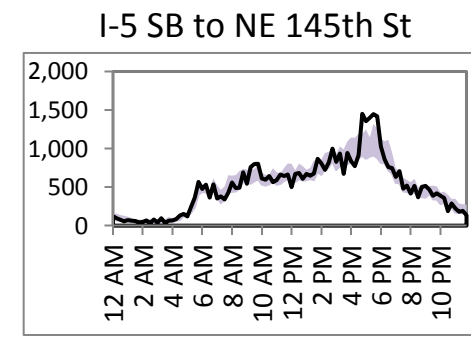
SR 520 Tolling: Traffic Monitoring

Hourly Interchange Volumes

Tuesday, January 10, 2012

— Tuesday, January 10, 2012

■ Typical Range (10-90%ile, M-F, 10/29-11/18 & 11/26-12/16)



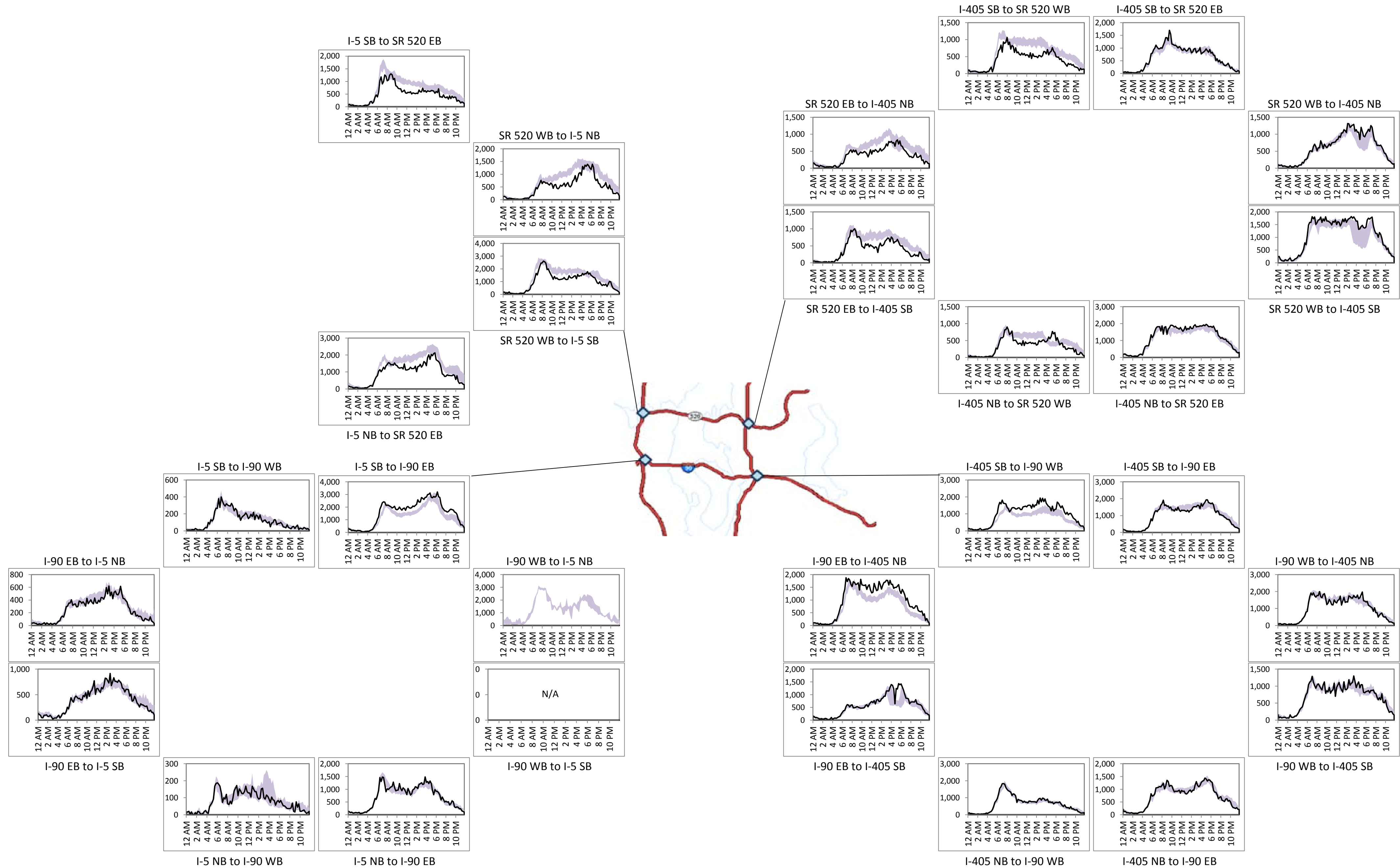
SR 520 Tolling: Traffic Monitoring

Hourly Interchange Volumes

Tuesday, January 10, 2012

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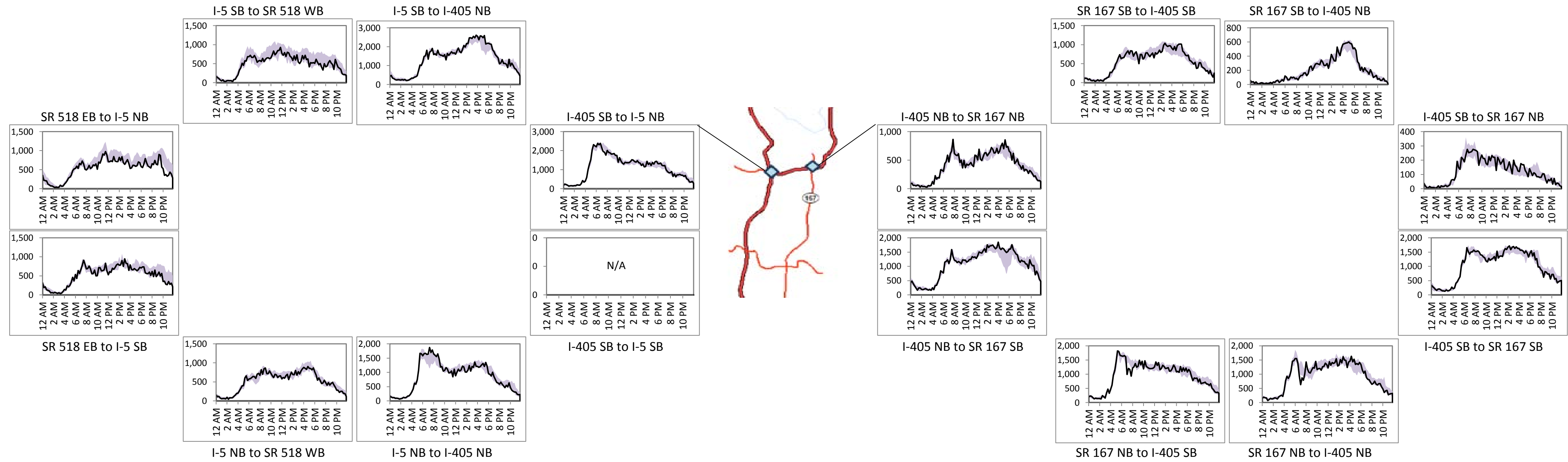
SR 520 Tolling: Traffic Monitoring

Hourly Interchange Volumes

Tuesday, January 10, 2012

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SR 520 Tolling: Traffic Monitoring

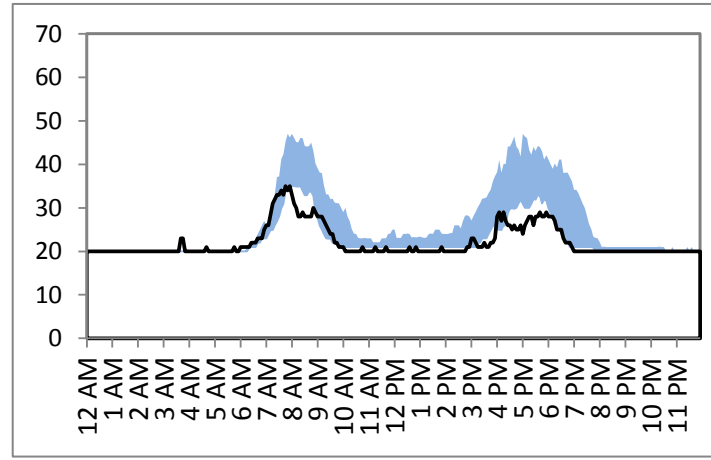
Travel Times

Tuesday, January 10, 2012

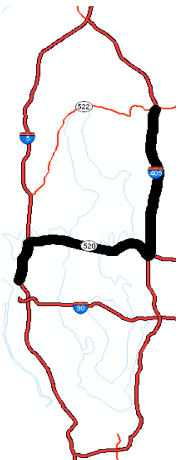
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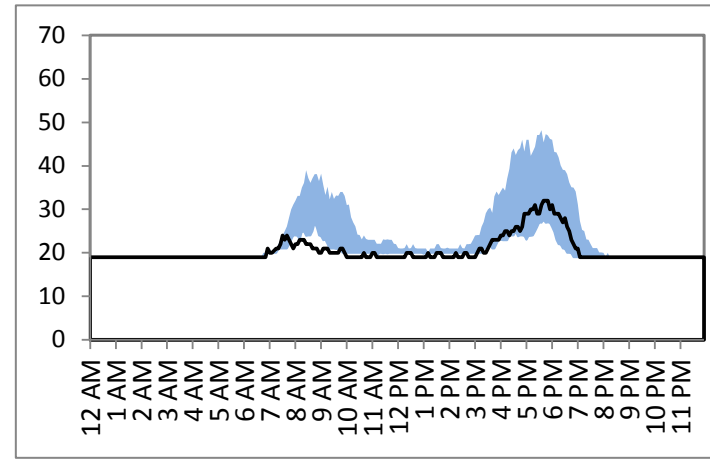
Woodinville to Seattle



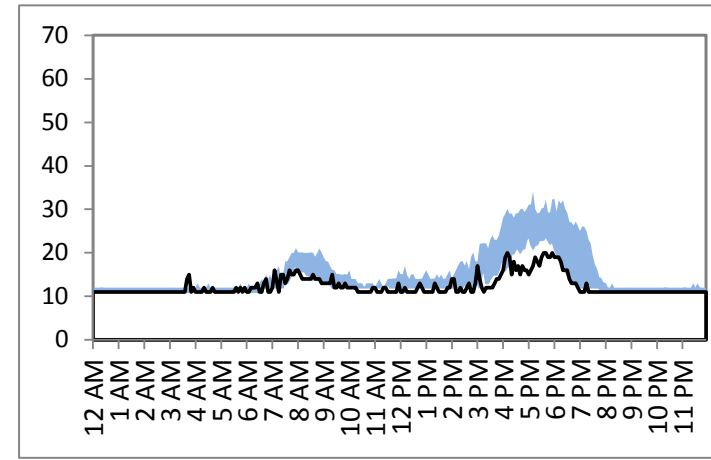
via 520



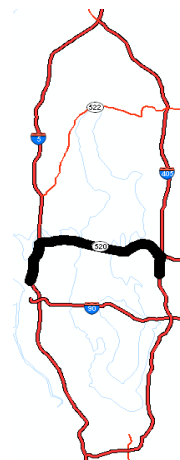
Seattle to Woodinville



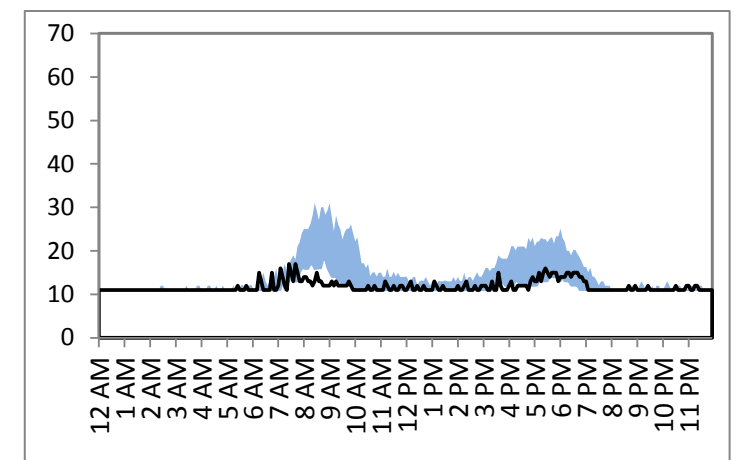
Bellevue to Seattle



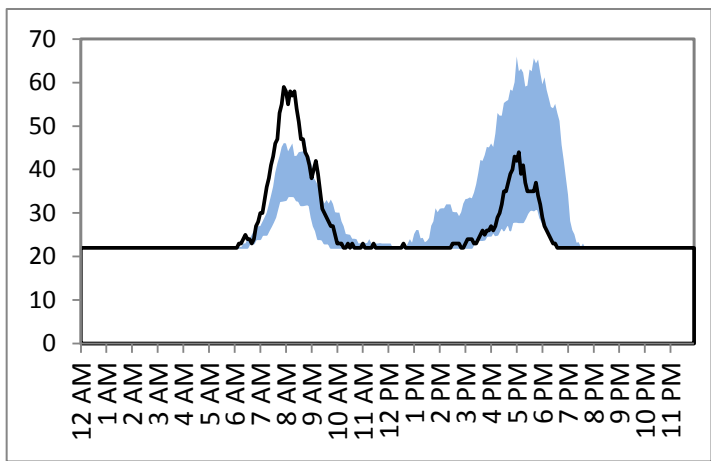
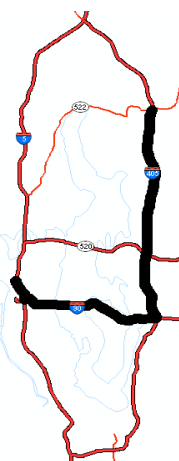
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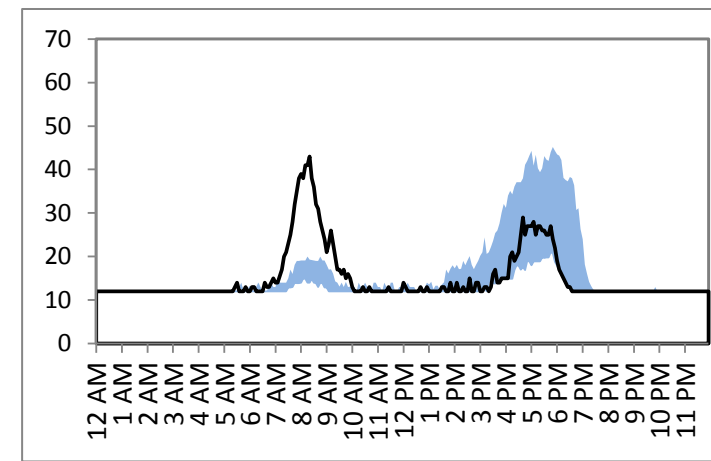
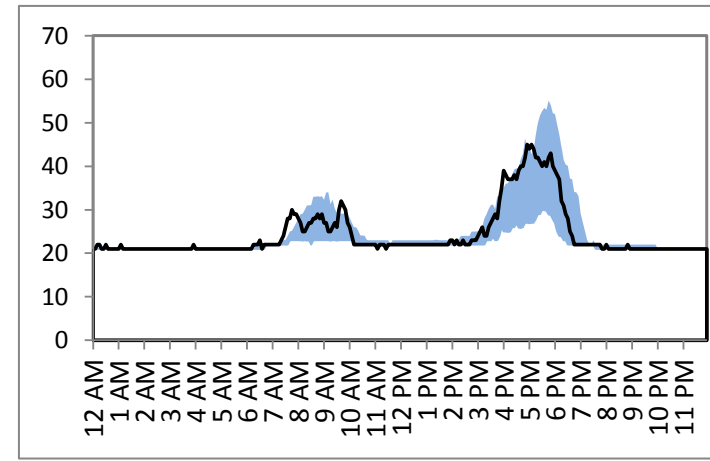
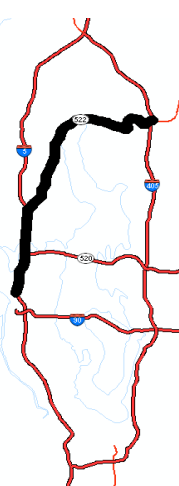
Seattle to Bellevue



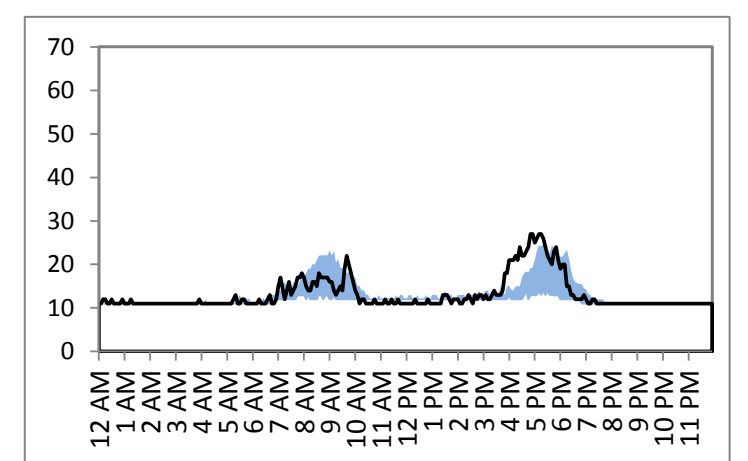
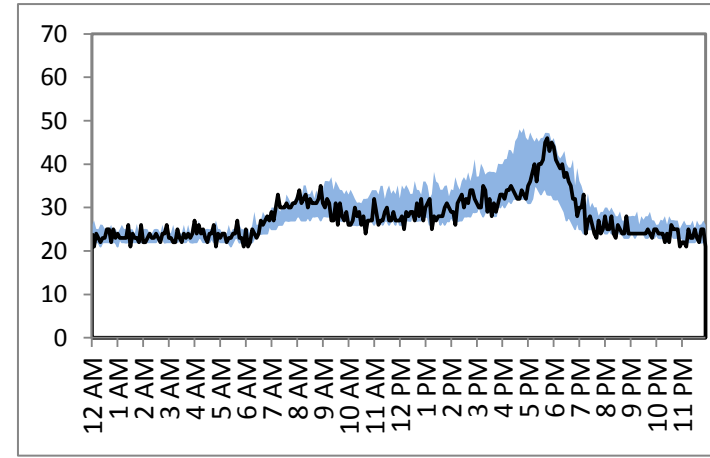
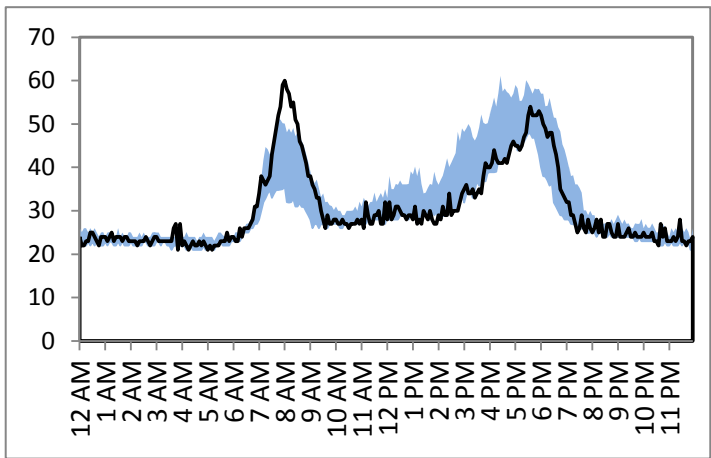
via I-90



via SR 522



via I-90



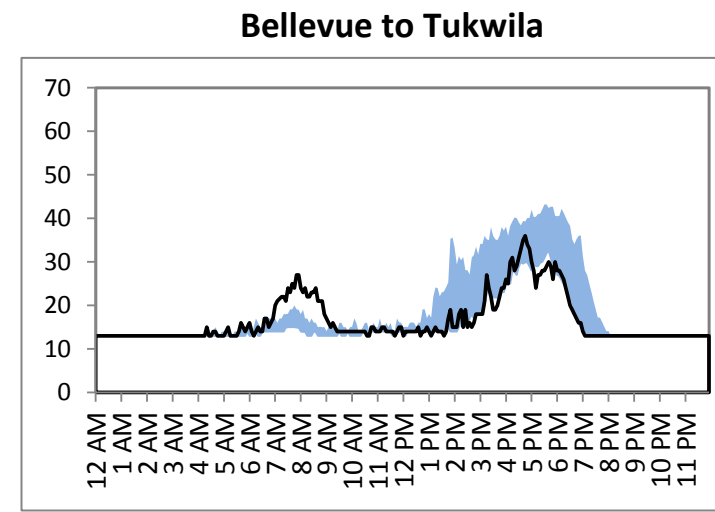
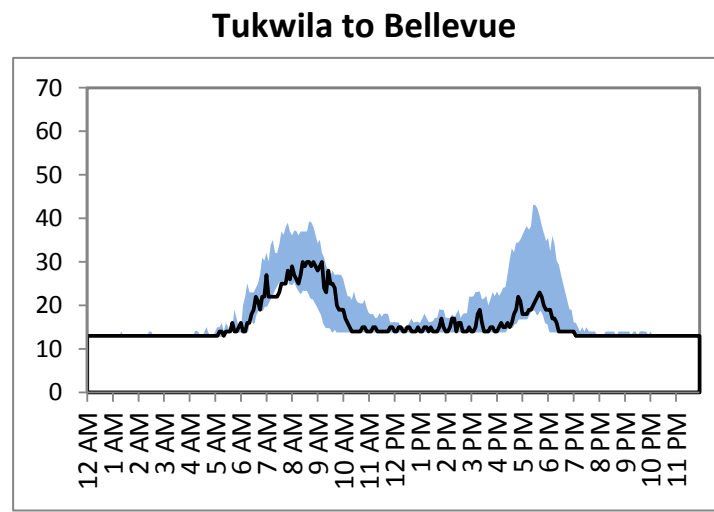
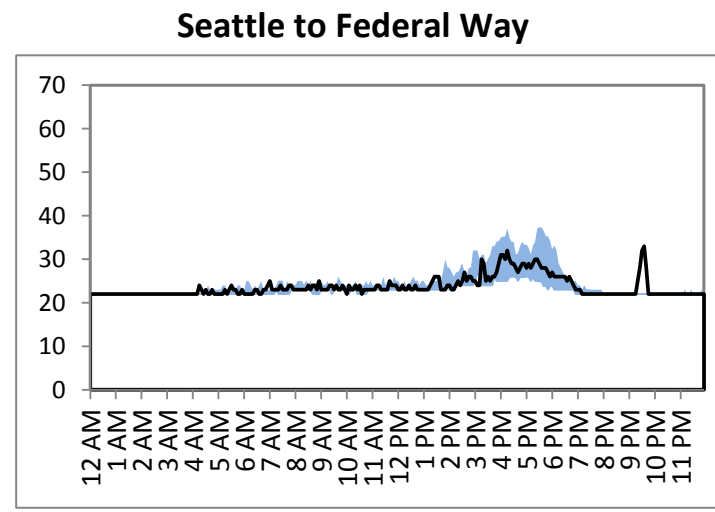
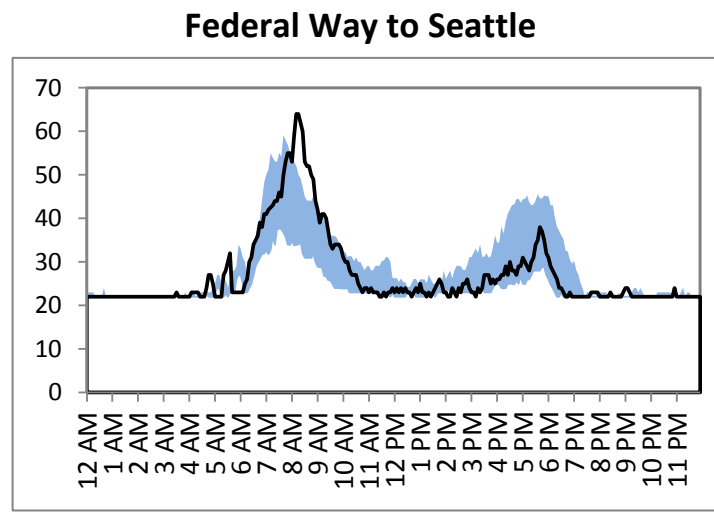
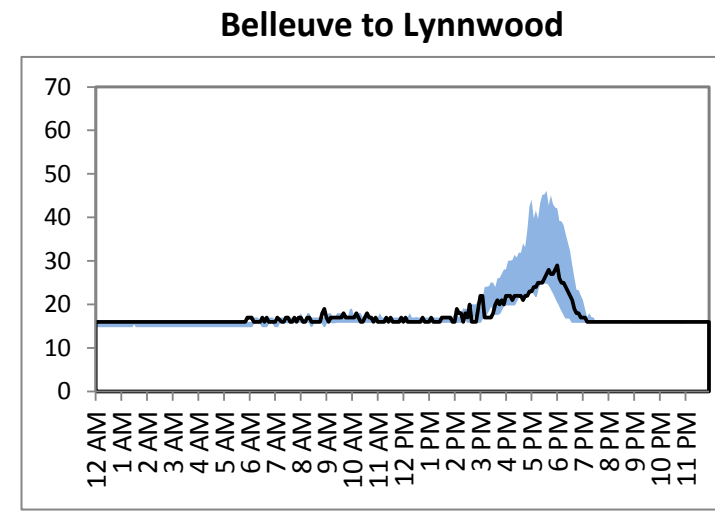
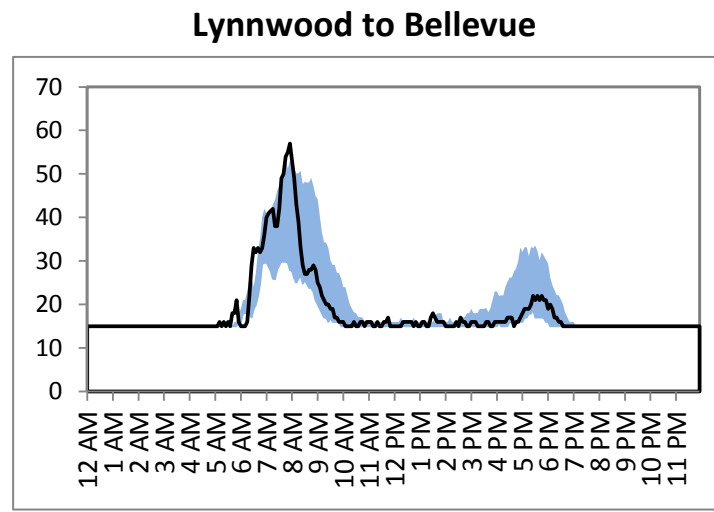
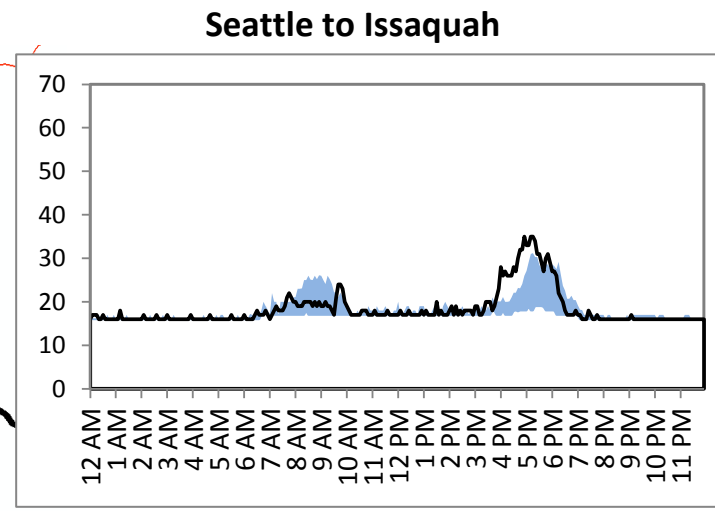
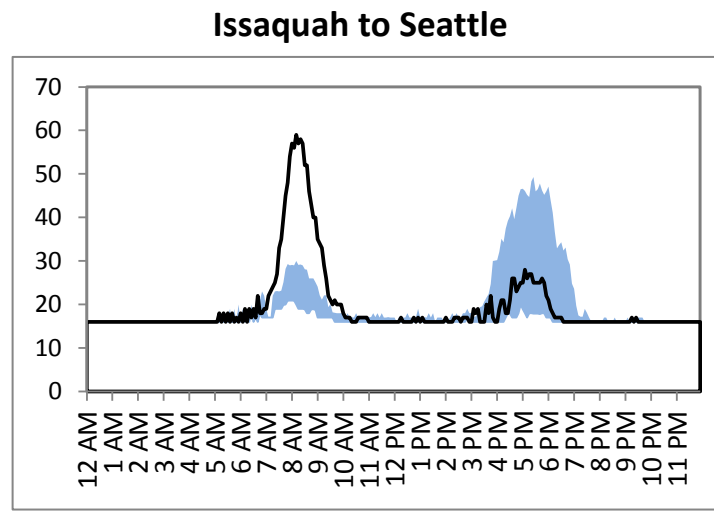
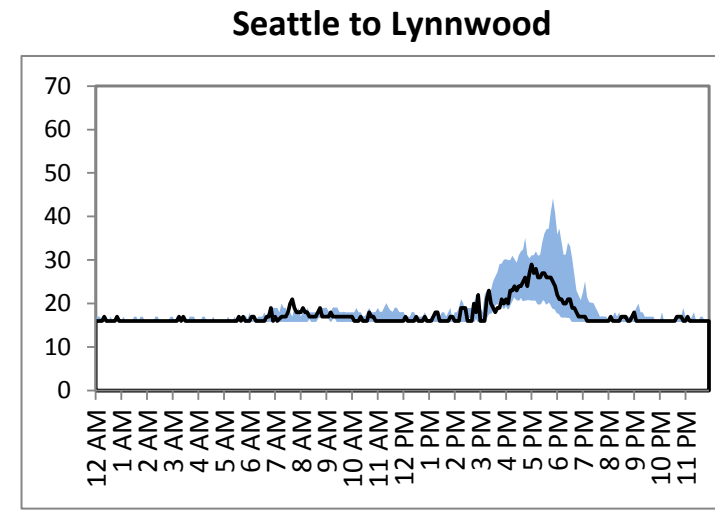
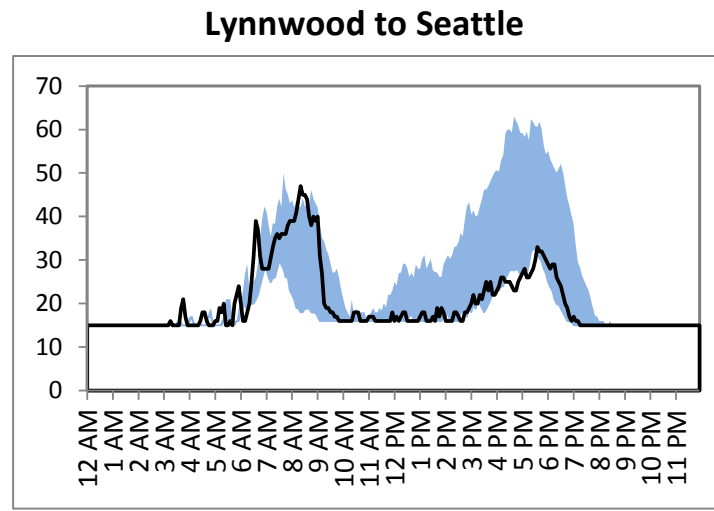
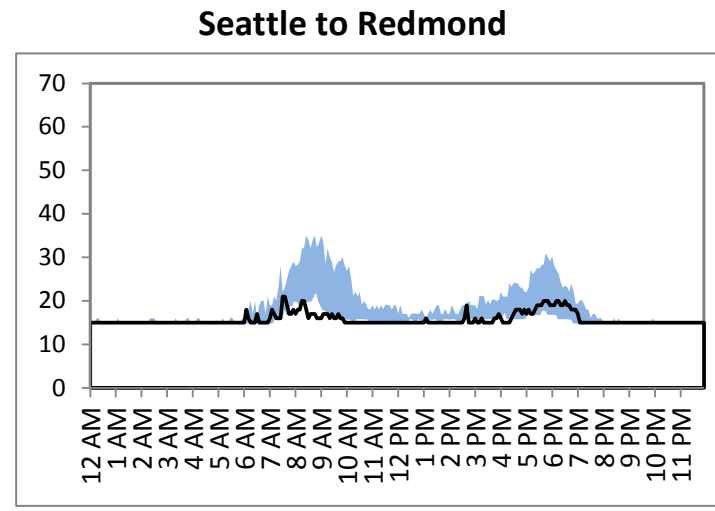
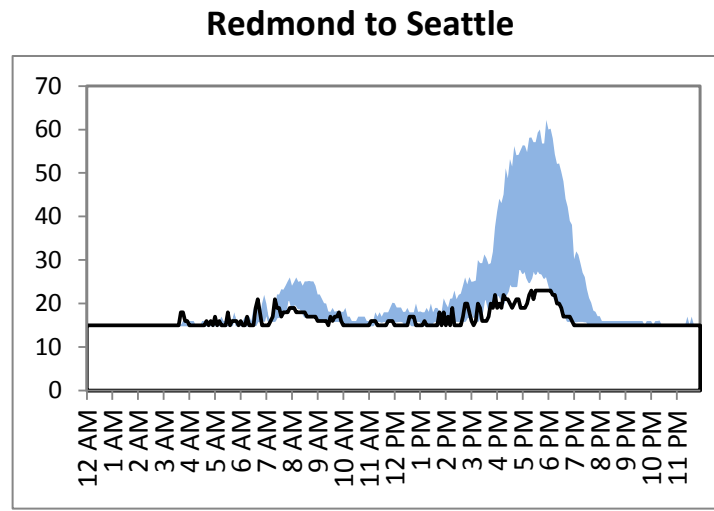
SR 520 Tolling: Traffic Monitoring

Travel Times

Tuesday, January 10, 2012

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■ Typical Range (10-90%ile, M-F, 10/29-11/18 & 11/26-12/16)

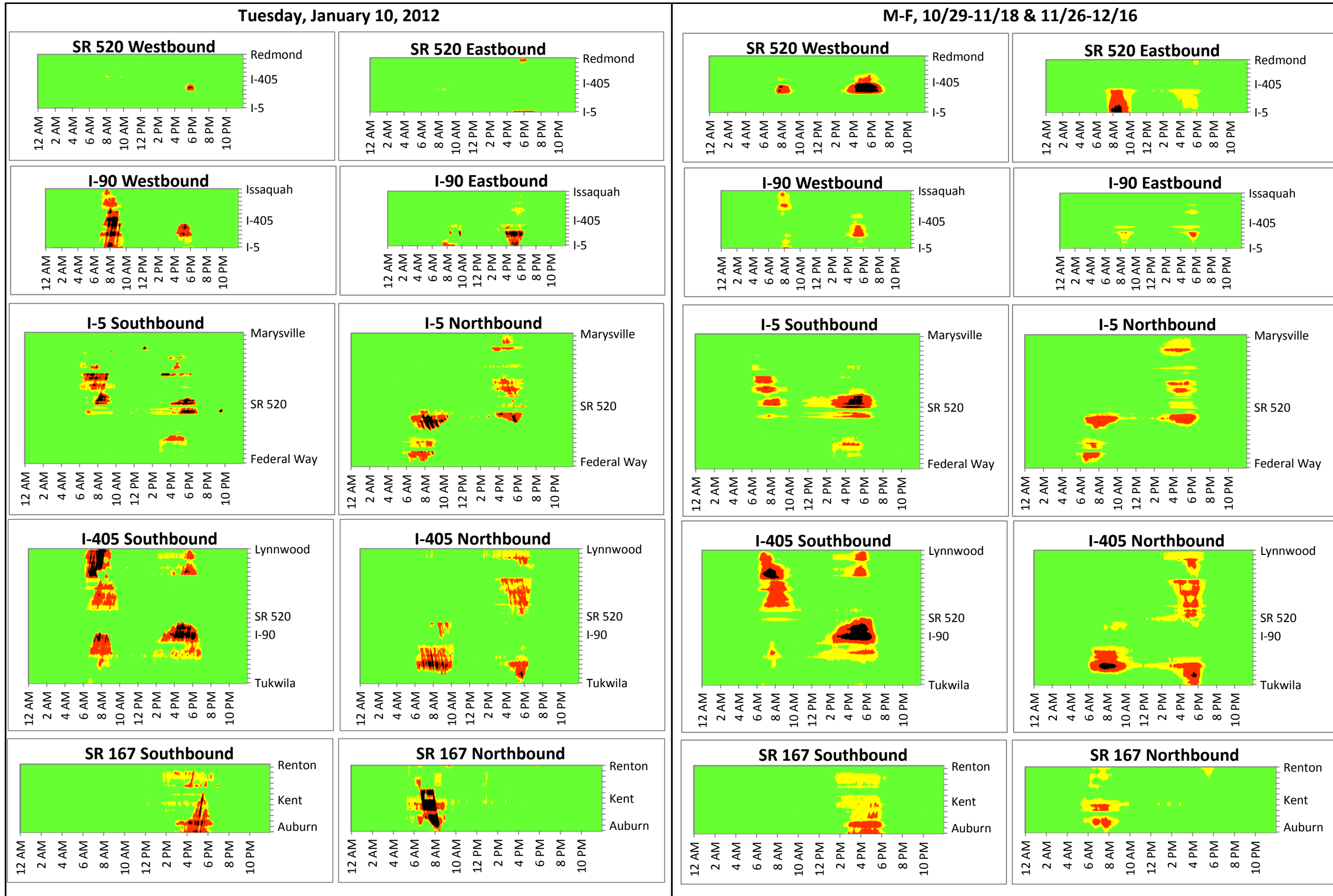


SR 520 Tolling: Traffic Monitoring

Congestion Contours

Tuesday, January 10, 2012

- free flow
- moderate
- heavy
- stop and go



SR 520 Tolling: Traffic Monitoring

SR 520 Detail

Tuesday, January 10, 2012

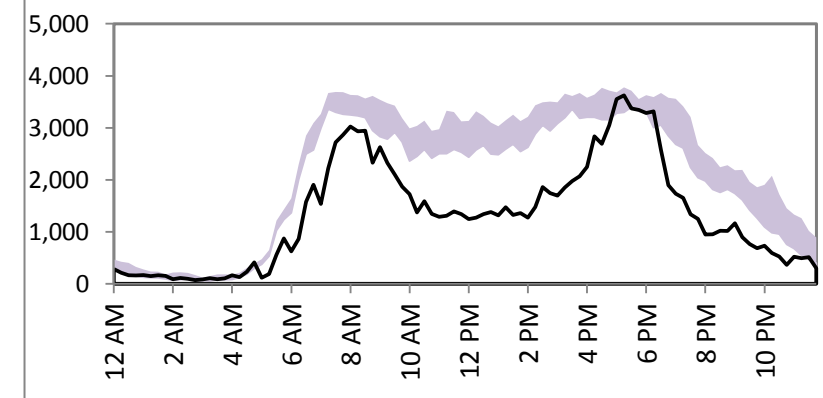
Mainline Volume



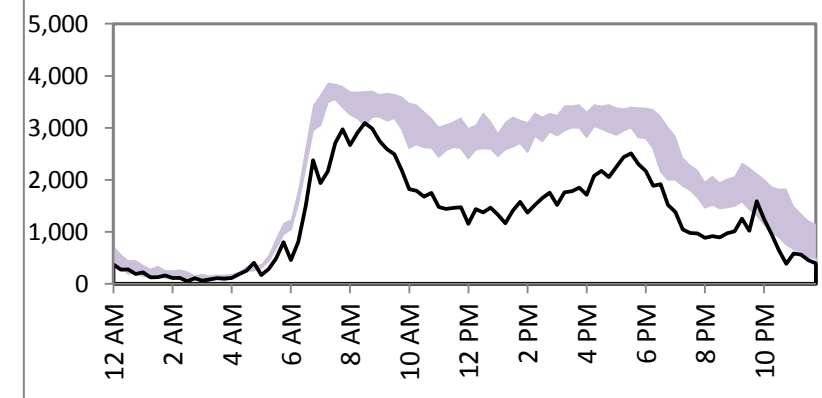
SR 520 Bridge

WB	EB
-38%	-39%
32,100	30,400
51,600	49,500

SR 520 WB Bridge



SR 520 EB Bridge



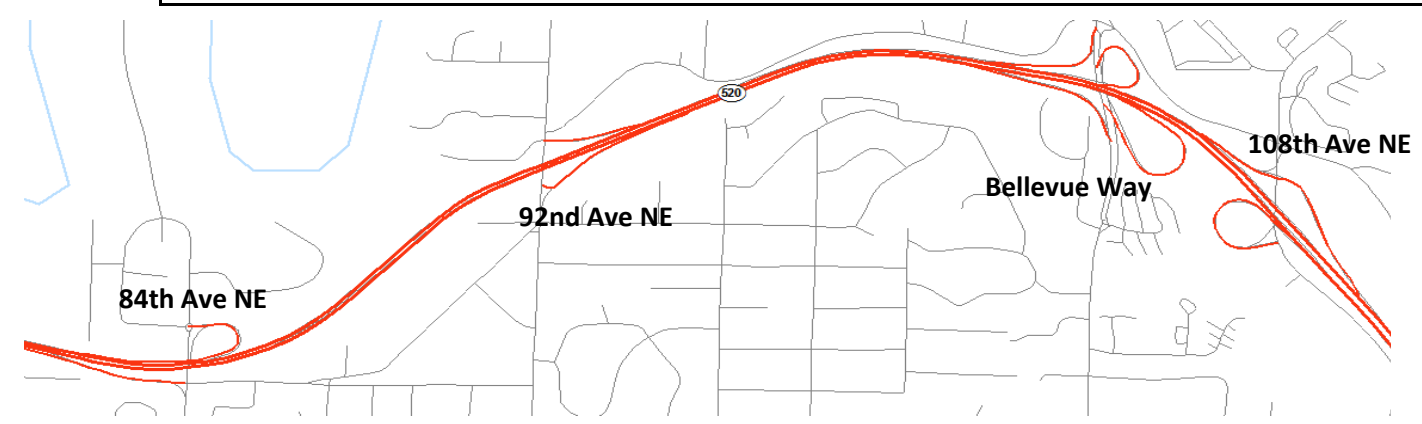
Ramp Volume

Montlake Blvd		Lk Wa Blvd
WB on ramp	WB exit	WB exit
12%	-32%	-30%
15,200	6,600	3,500
13,600	9,700	5,000

84th Ave NE	92nd Ave NE	Bellevue Way		108th Ave NE	
WB on ramp	WB exit	NB to WB on ramp	SB to WB on ramp	WB on ramp	WB exit
-54%	18%	-34%	-31%	-23%	-6%
2,600	4,500	2,300	3,500	2,400	11,600
5,700	3,800	3,500	5,100	3,100	12,300



16%	-30%	-39%
14,300	8,500	3,000
12,300	12,100	4,900
EB exit	EB on ramp	EB on ramp
Montlake Blvd	Lk Wa Blvd	



-47%	4%	-30%	7%
3,000	5,100	6,300	11,200
5,700	4,900	9,000	10,500
EB exit	EB on ramp	EB exit	EB on ramp
84th Ave NE	92nd Ave NE	Bellevue Way	108th Ave NE

SR 520 Tolling: Traffic Monitoring

I-90 Detail

Tuesday, January 10, 2012

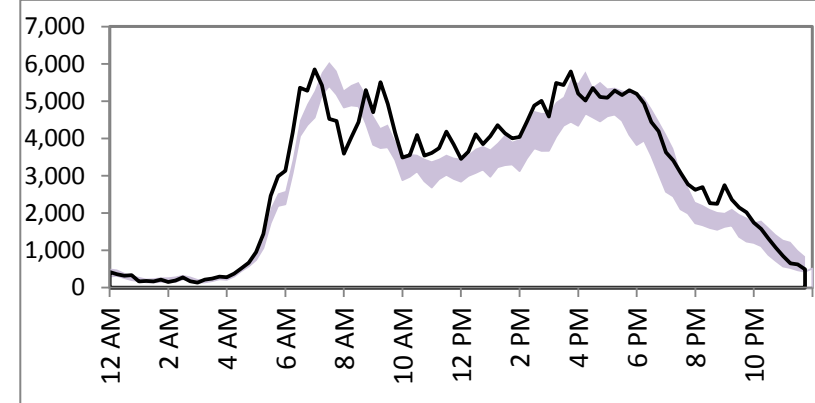
Mainline Volume



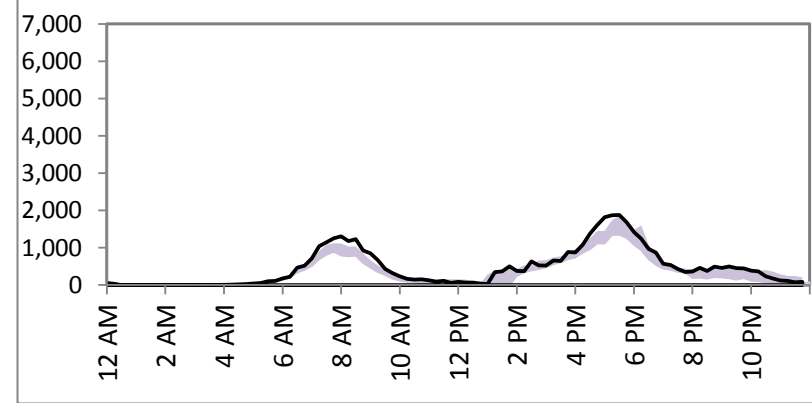
I-90 Bridge

WB	EB
11%	12%
76,100	77,100
68,800	69,100

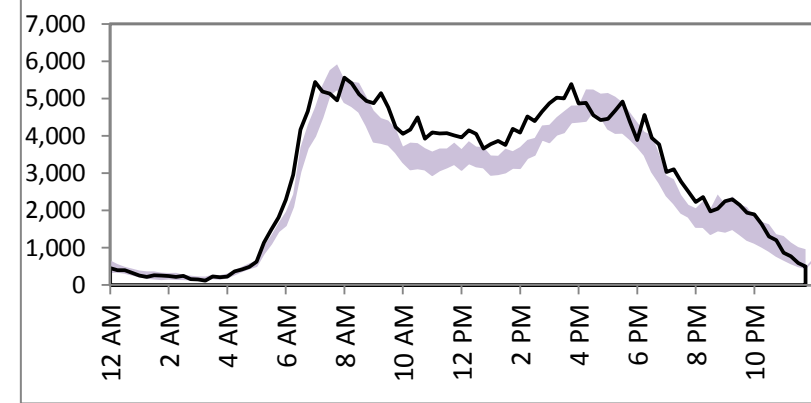
I-90 WB Bridge



I-90 REV Bridge



I-90 EB Bridge



Bellevue Way Ramp Volume

I-90 EB to Bellevue Way	Bellevue Way to I-90 WB
17%	8%
9,500	10,000
8,100	9,300

SR 520 Tolling: Traffic Monitoring

SR 522 Detail

Tuesday, January 10, 2012

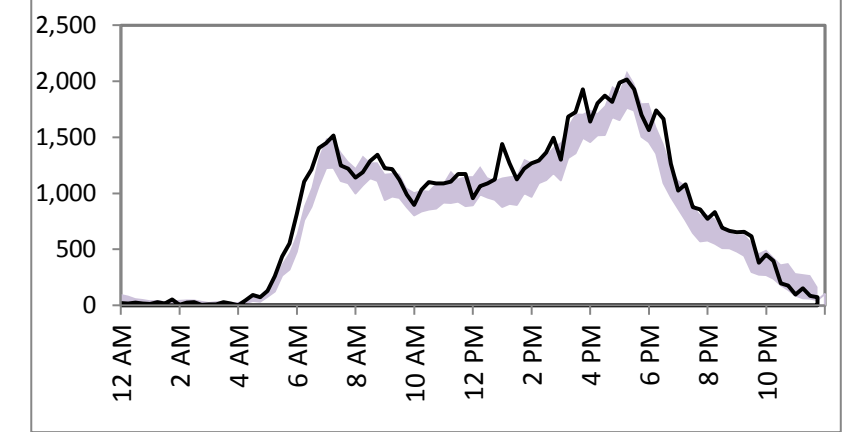
Mainline Volume



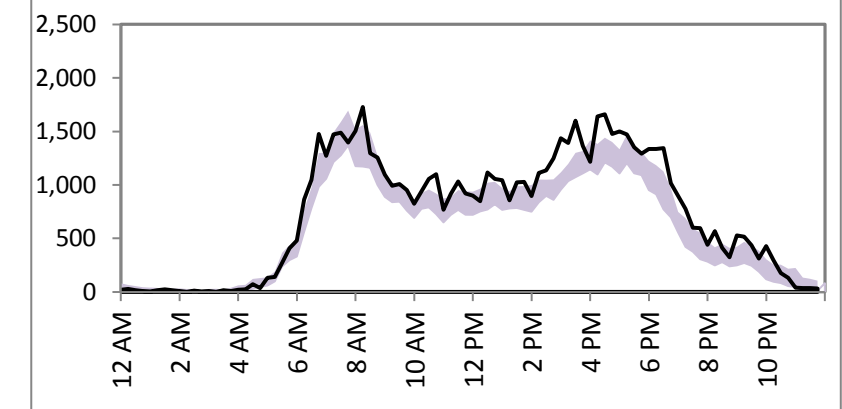
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 ■ Typical Range (10-90%ile, M-F, 10/29-11/18 & 11/26-12/16)

83rd PI NE	
WB	EB
10%	16%
20,800	17,600
18,900	15,200

SR 522 WB at 83rd Ave NE

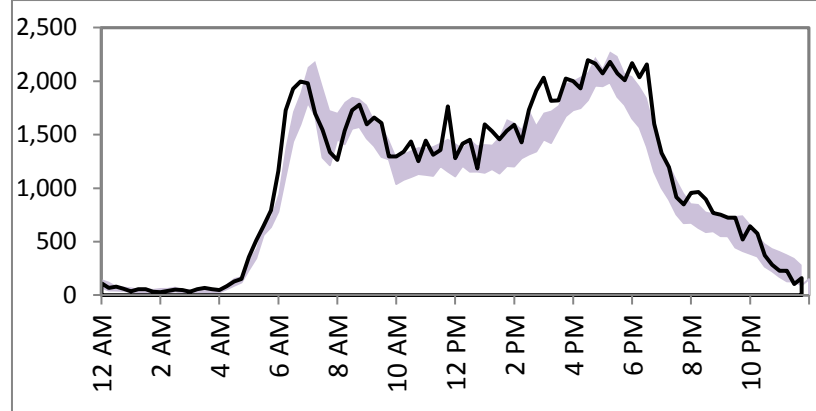


SR 522 EB at 83rd Ave NE



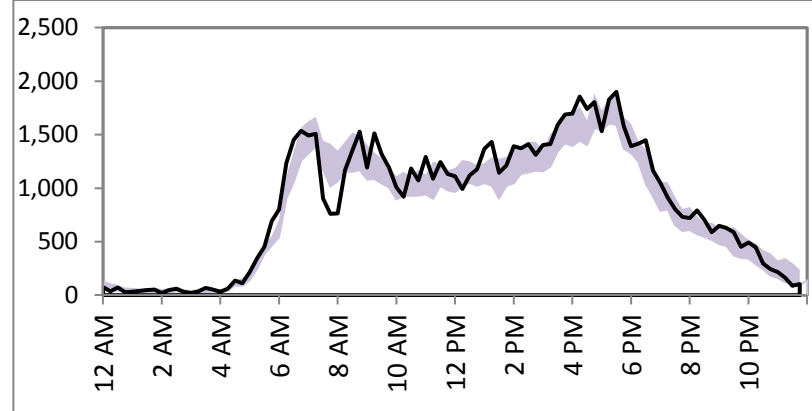
68th Ave NE	
WB	EB
9%	11%
26,100	18,500
24,000	16,700

SR 522 WB at 68th Ave NE



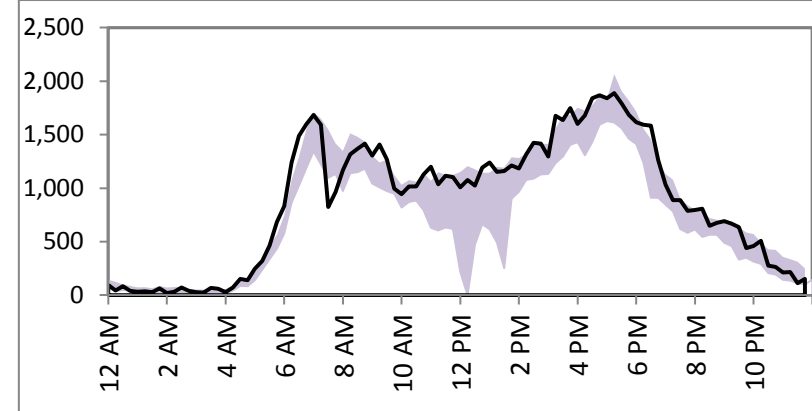
73rd Ave NE	
WB	EB
5%	9%
20,600	20,100
19,700	18,400

SR 522 WB at 73rd Ave NE



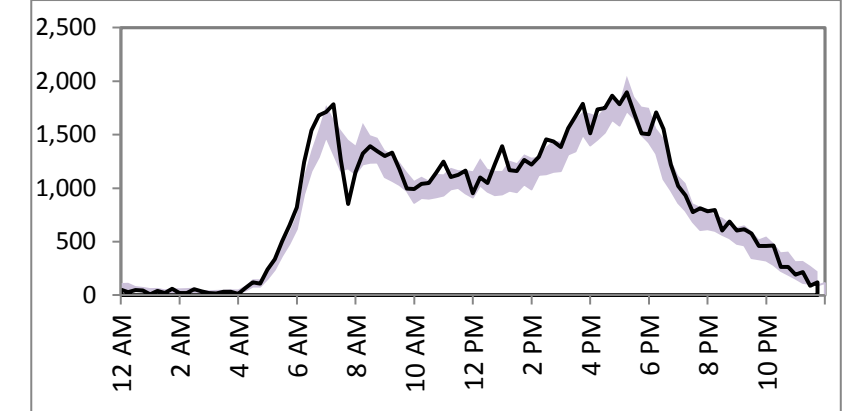
77th Ct NE	
WB	EB
4%	11%
21,000	20,700
20,100	18,600

SR 522 WB at 77th Ct NE

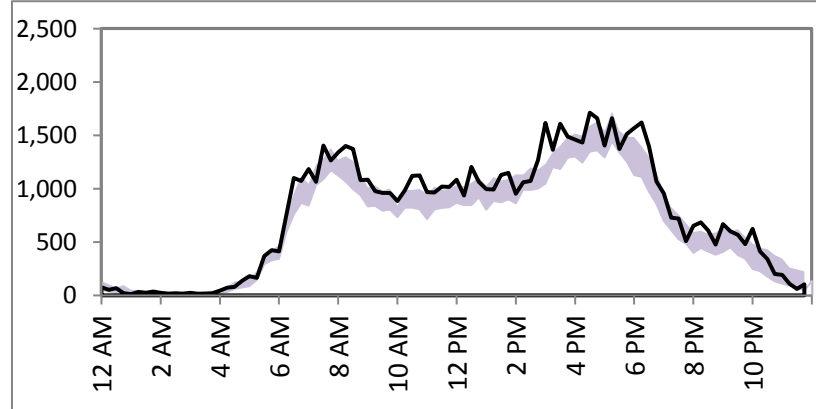


80th Ave NE	
WB	EB
5%	12%
21,000	20,000
20,000	17,800

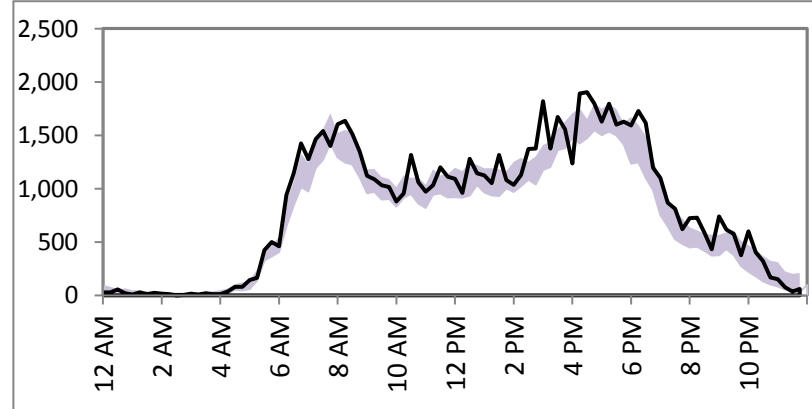
SR 522 WB at 80th Ave NE



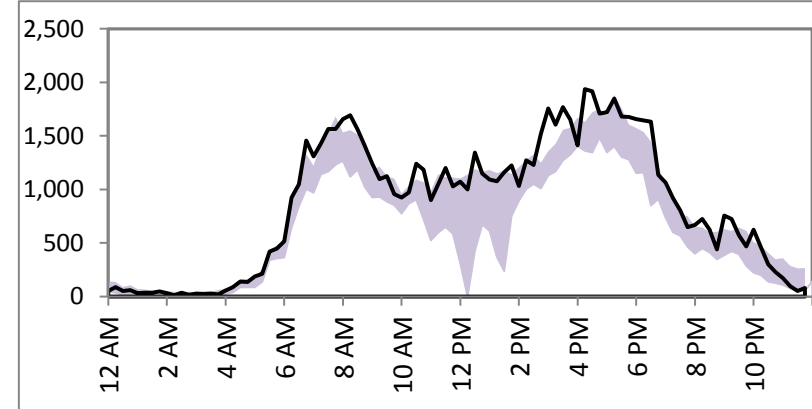
SR 522 EB at 68th Ave NE



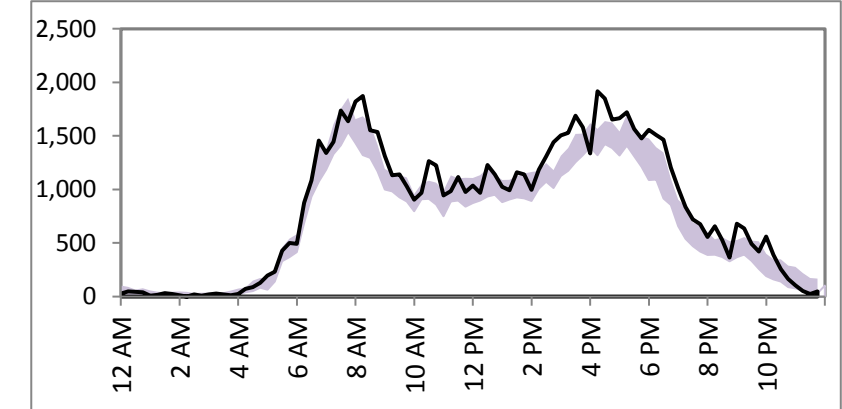
SR 522 EB at 73rd Ave NE



SR 522 EB at 77th Ct NE



SR 522 EB at 80th Ave NE

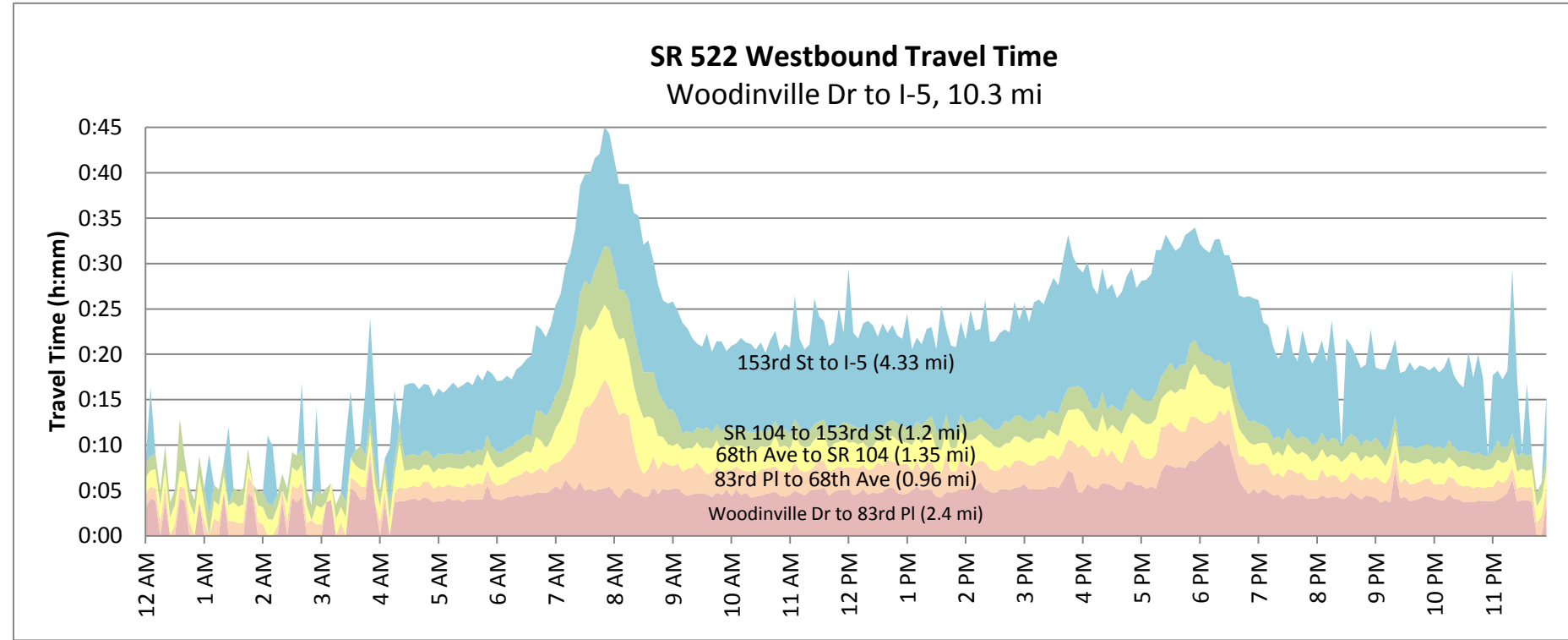


SR 520 Tolling: Traffic Monitoring

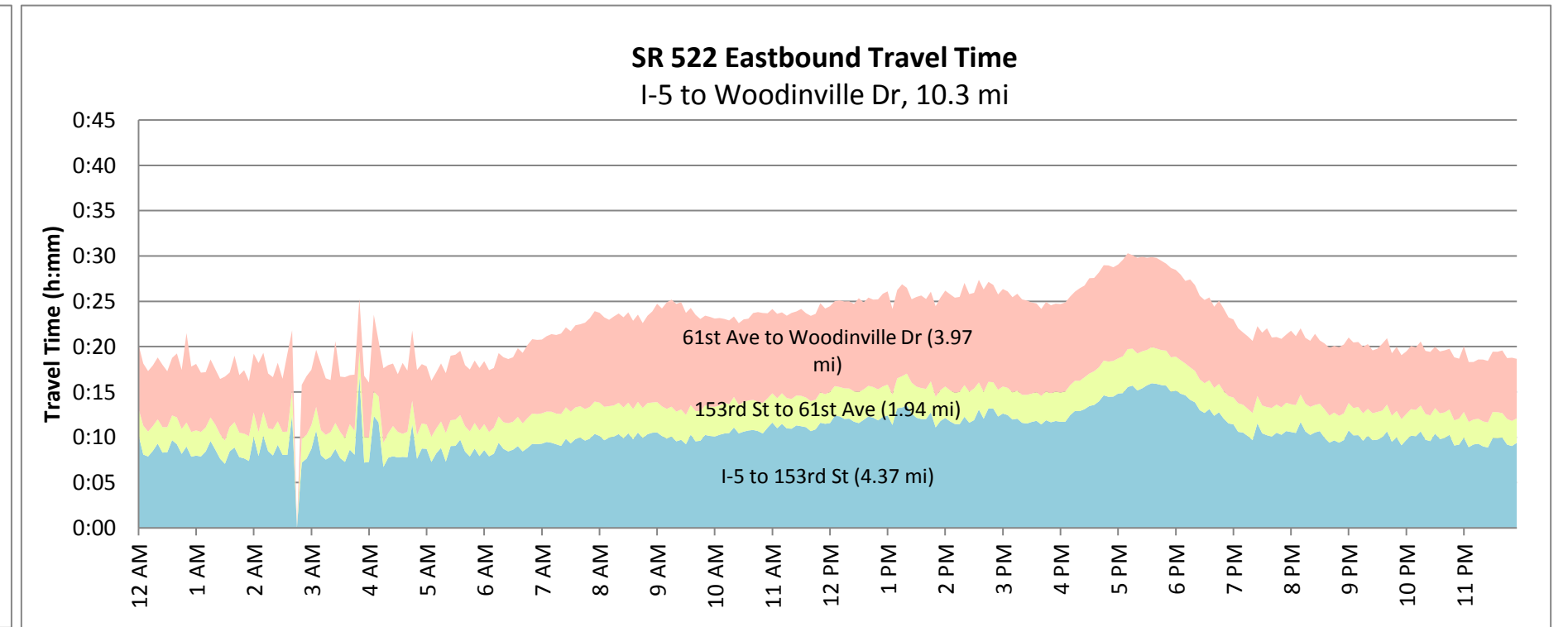
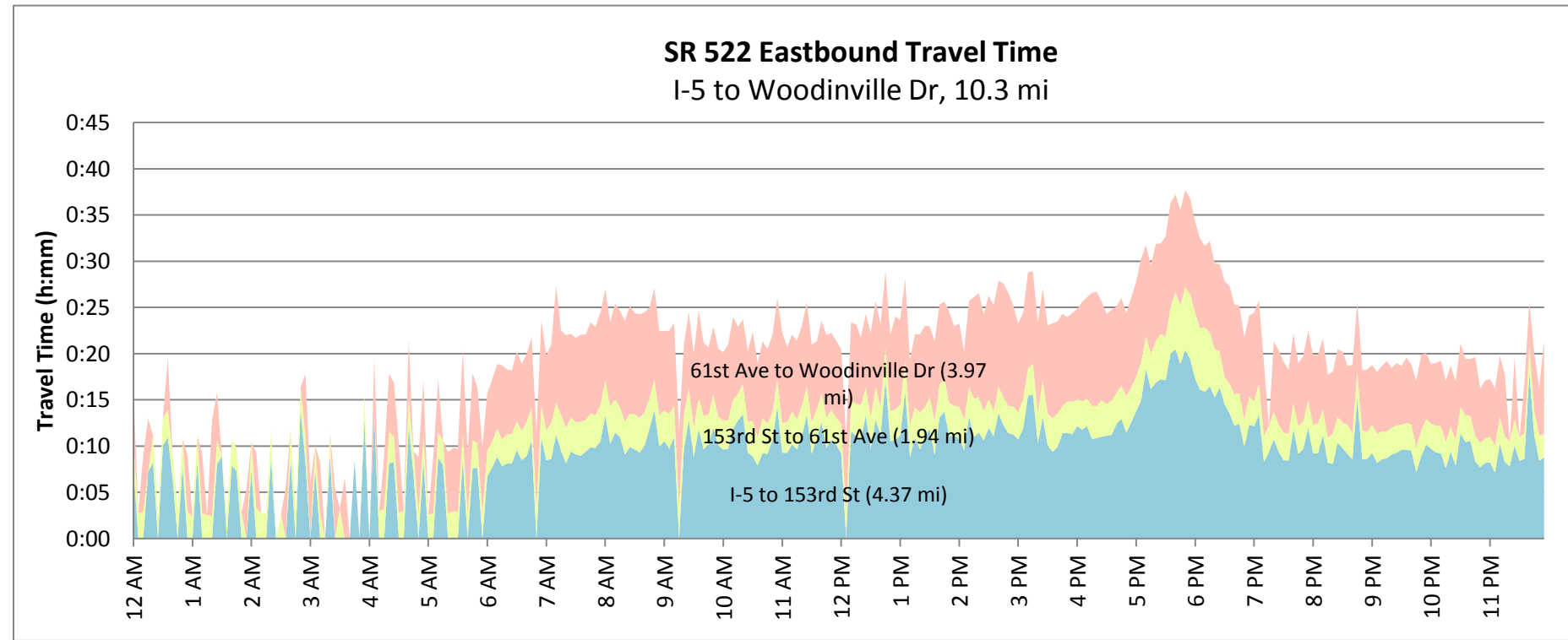
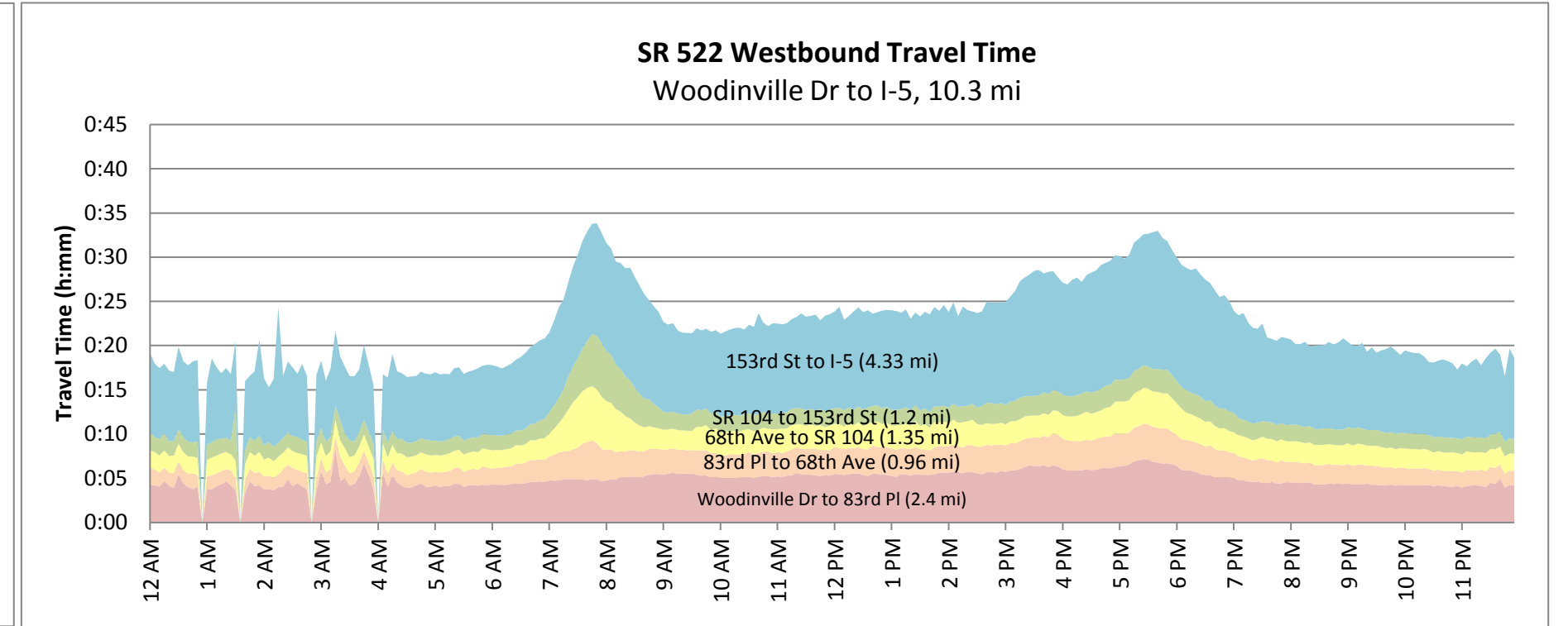
SR 522 Travel Times

Tuesday, January 10, 2012

1/10/2012



M-F, 10/29-11/18 & 11/26-12/16



Note: travel time data may be unavailable during time periods with low traffic volume