

I-405 Express Toll Lanes Tolling Update



Patty Rubstello
Assistant Secretary, Toll Division

I-405 Master Plan

Regional Consensus

- EIS Record of Decision, 2002

Roadways

- 2 new lanes in each direction
- Local arterial improvements

Transit & Transportation Choices

- Bus Rapid Transit system
- 9 new transit centers added
- 50% transit service increase
- HOV direct access ramps and flyer stops
- Potential managed lanes system
- 5000 new Park & Ride spaces
- 1700 new vanpools

Environmental Enhancements



I-405 Express Toll Lanes

Opened September 27

Overview

- Legislature authorized WSDOT to toll I-405 from Bellevue to Lynnwood in 2011
- Dynamic pricing effectively manages volume and increases performance for all lanes in the corridor
- Market-based direct user fee
- Future plans to extend south and create a 40-mile express toll lanes system on I-405 and SR 167

EXPRESS TOLL LANES		Good To Go!
JCT 	\$2.00	
NE 124th St	\$2.15	
NE 6th St	\$2.35	
HOV 3+ FREE W/FLEX PASS		



April 2015



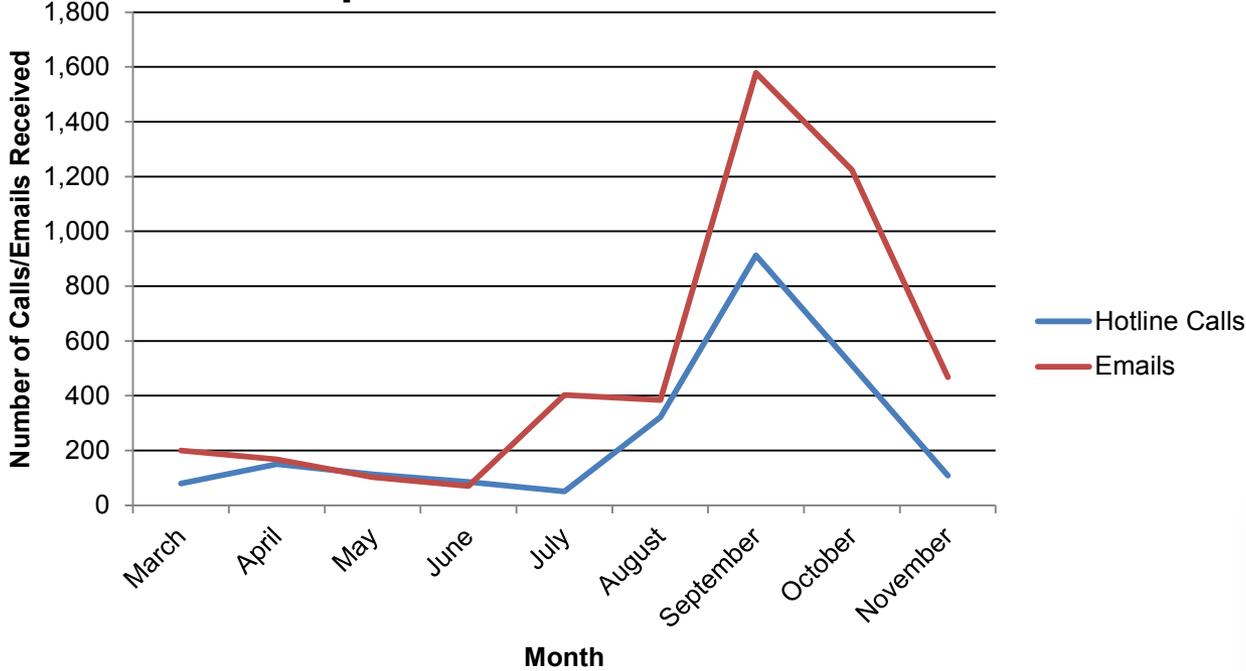
October 2015

Public Outreach

Briefings and Outreach

- 131 briefings completed to date (Oct 2014-Nov 2015)
- 10,869 people reached through direct briefings

Calls and Correspondence



Coming Up in January

- Attitudes and Awareness survey
- Customer Expectation survey

Incentive Programs

Flex Pass

- Program began in March 2015
- Criteria for a free pass includes:
 - Carpool at least once a week on I-405 between Bellevue and Lynnwood
 - Live, work, or play in King or Snohomish counties
 - Willingness to open a new account for those without a *Good To Go!* account
- **32,500** free Flex Passes distributed to date



Motorcycle Pass

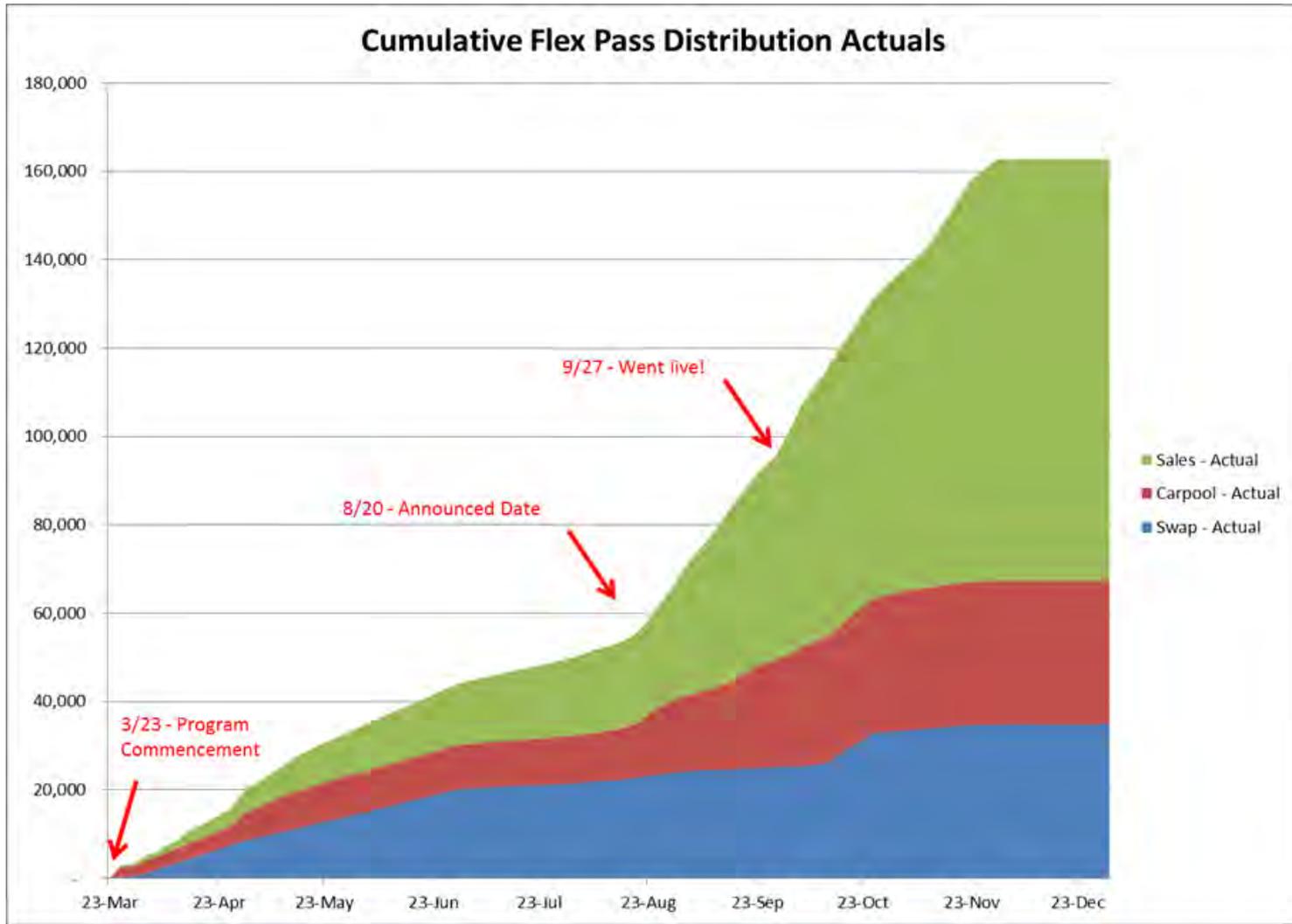
- Program began in April 2015
- Criteria for a free pass: Ride on I-405
- **11,000** free motorcycle passes distributed to date



Pass Distribution

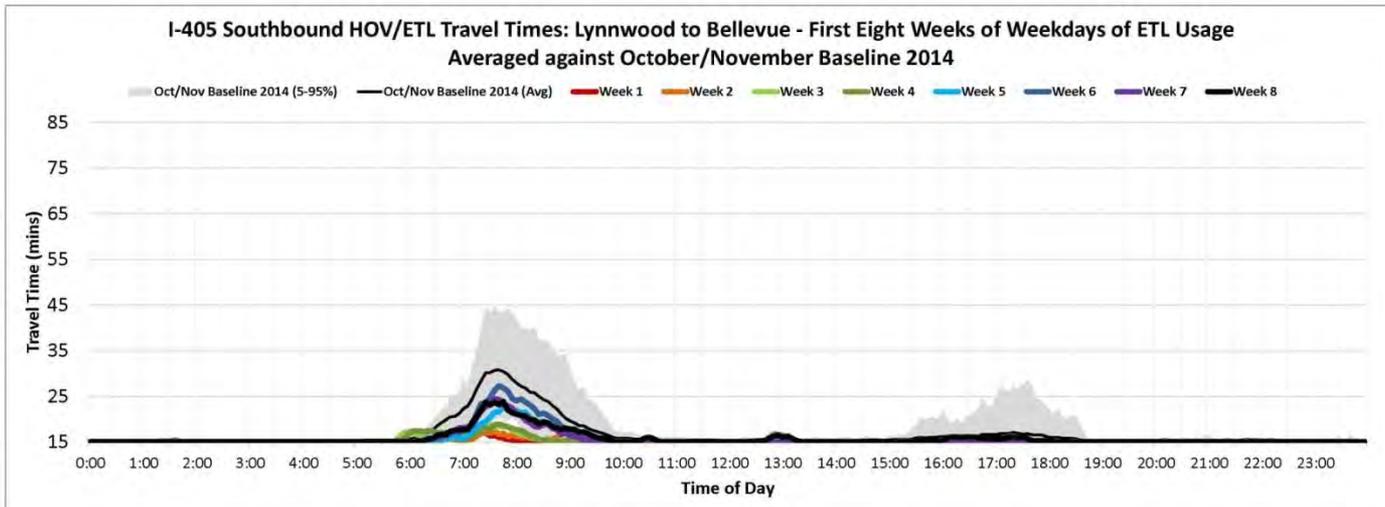
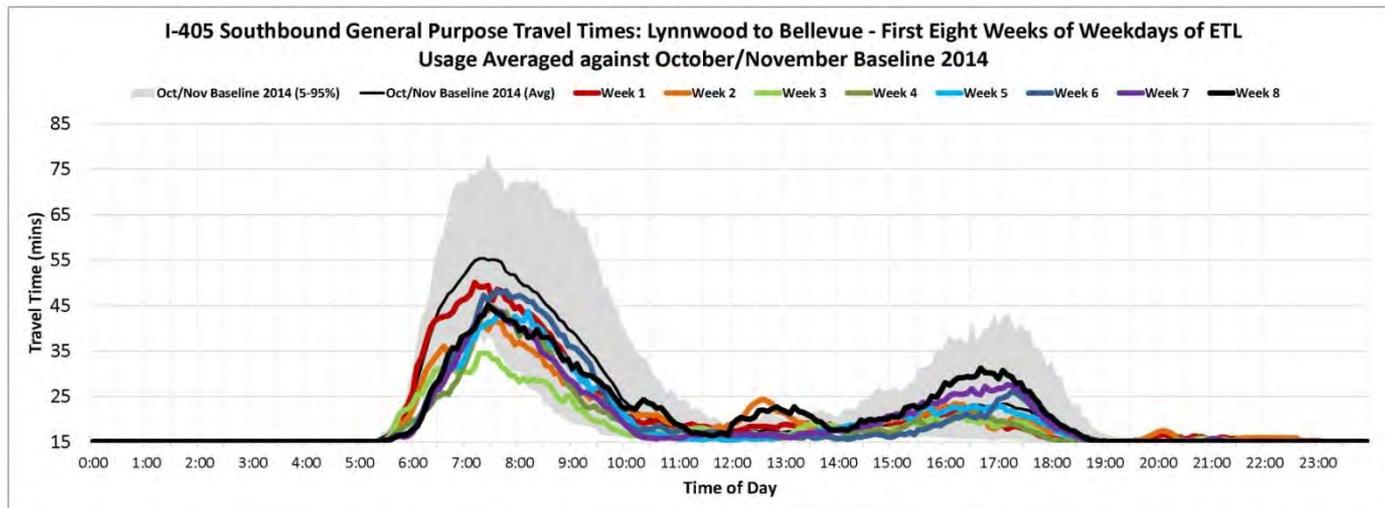
Flex Pass

- **160,000** Flex Passes in use
- **Double** the anticipated pass infiltration for the first year of I-405 ETL operations



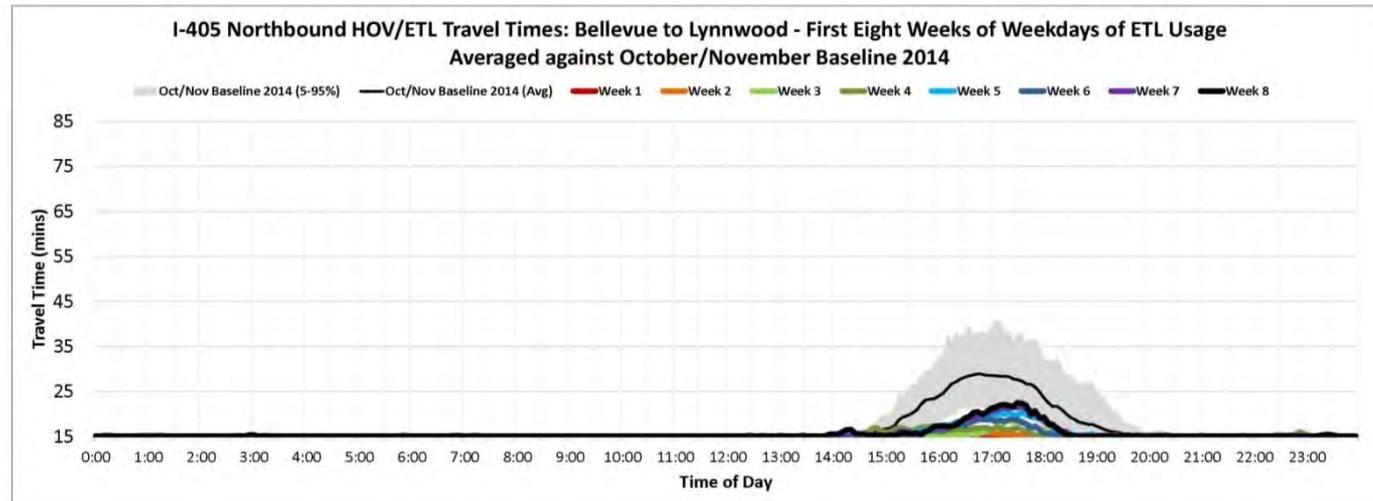
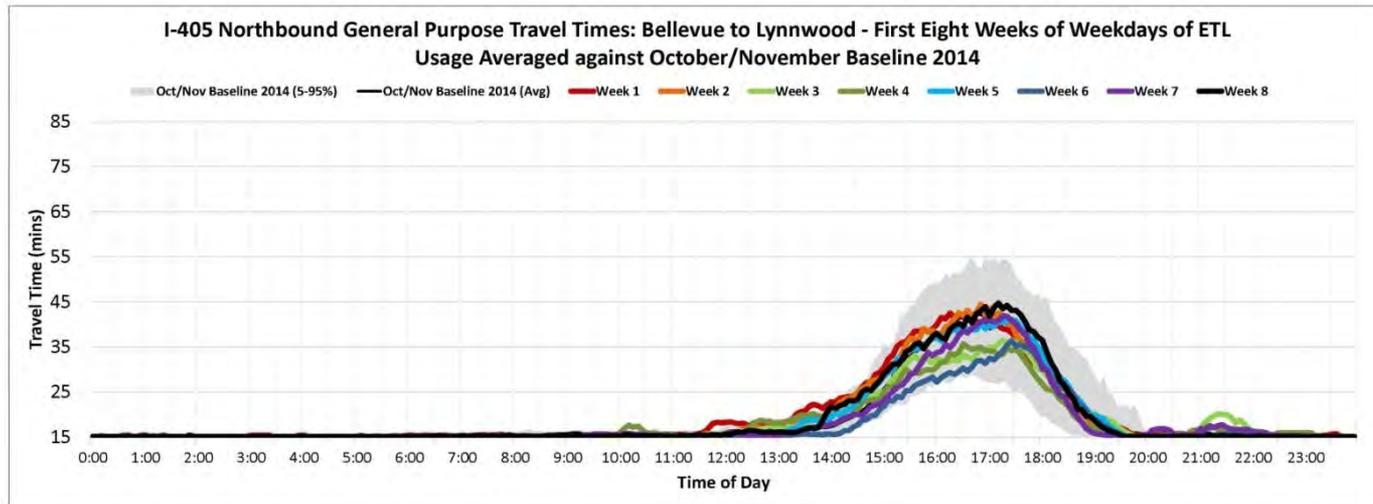
The First Eight Weeks – Southbound Travel Times from Lynnwood to Bellevue

Drivers in the ETL saved an average of 14 minutes southbound during the AM peak for an average toll of \$2.35.



The First Eight Weeks – Northbound Travel Times from Bellevue to Lynnwood

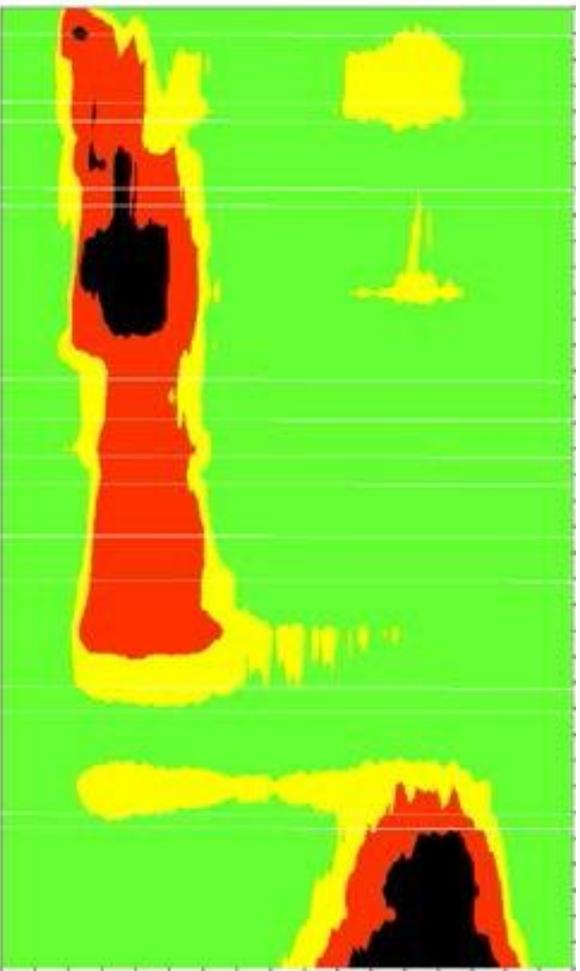
Drivers in the ETL saved an average of 15 minutes northbound during the PM peak for an average toll of \$2.20.



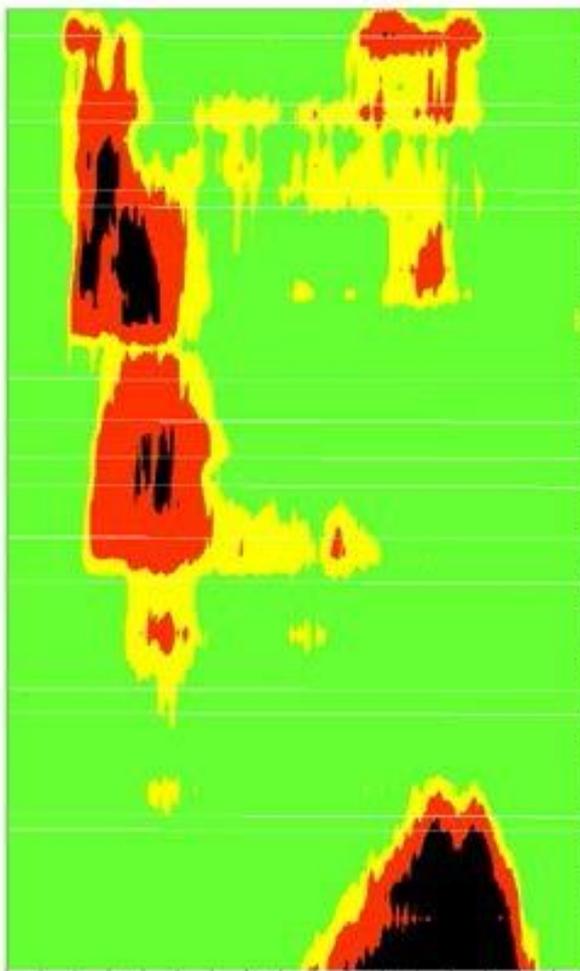
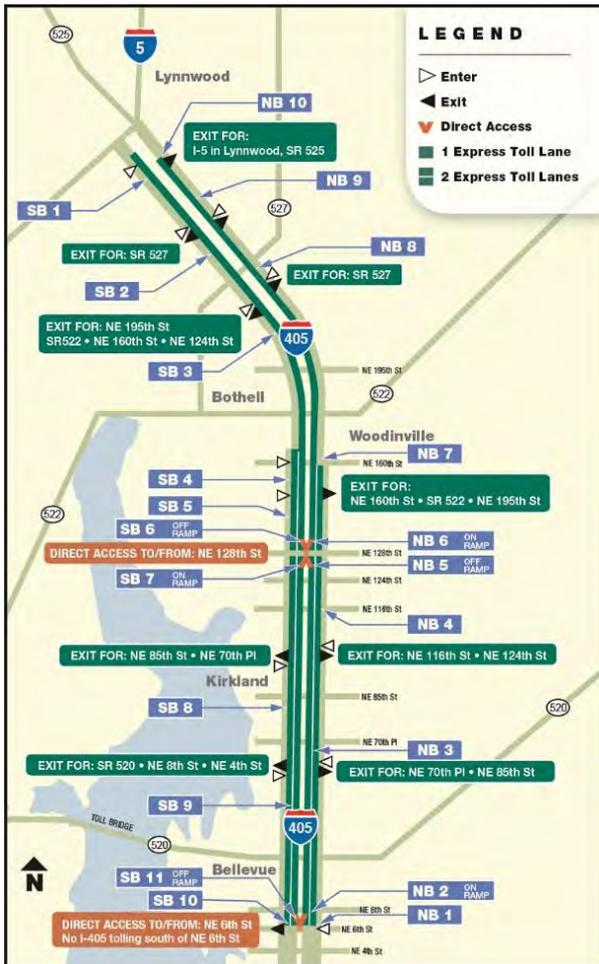
The First Eight Weeks – Southbound Congestion Contours

I-405 SB General Purpose Lanes, Baseline

I-405 SB General Purpose Lanes, Week 1, 2015



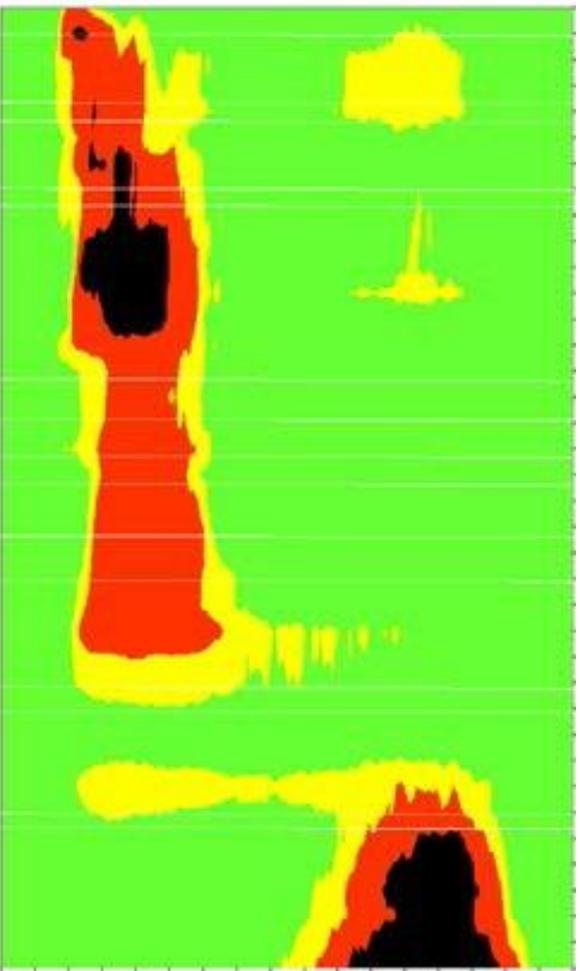
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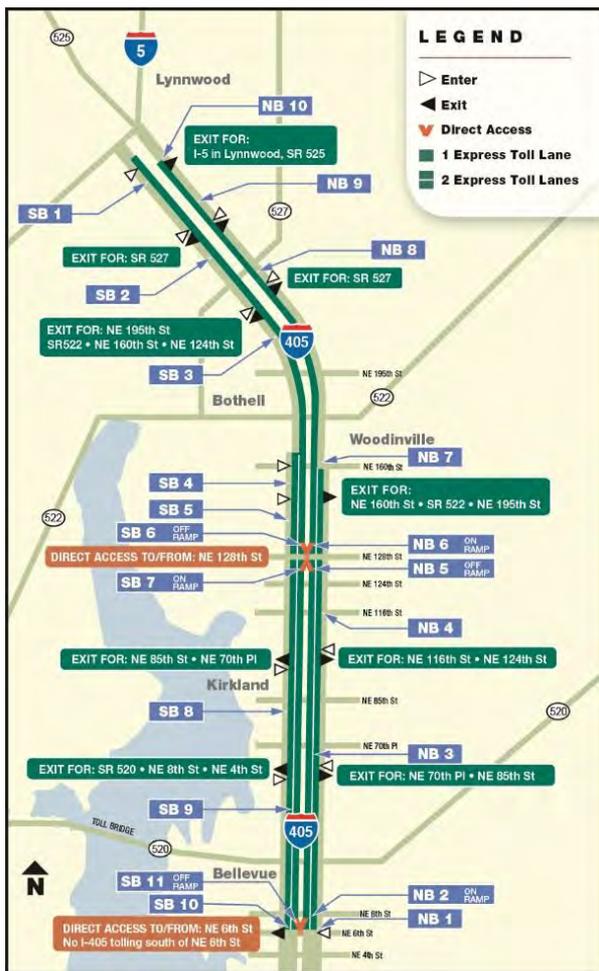
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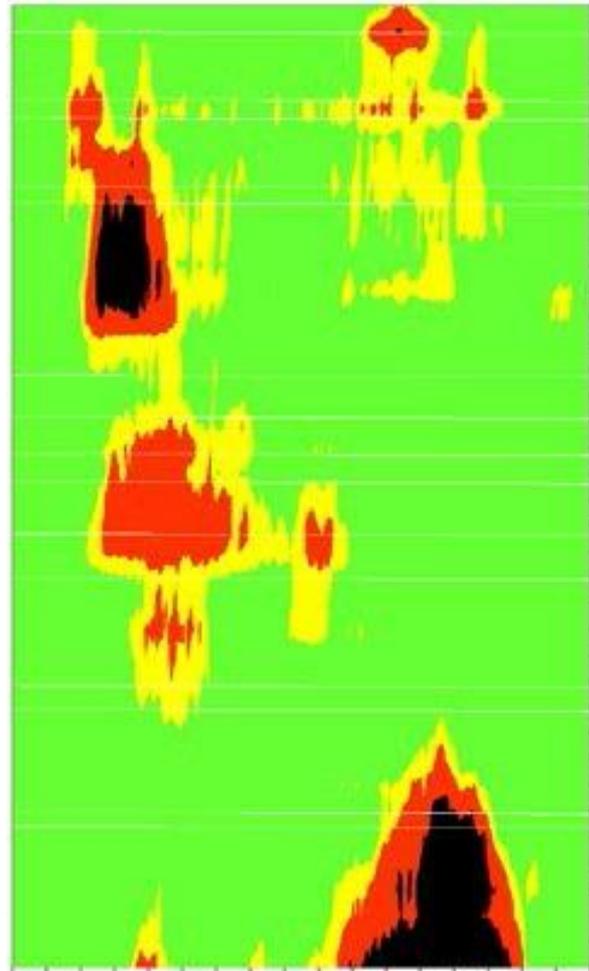
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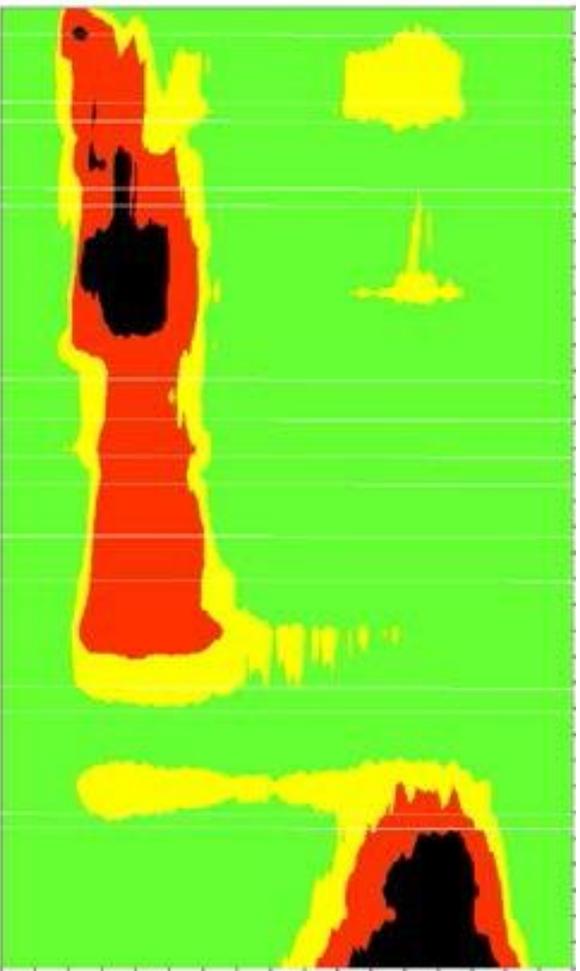


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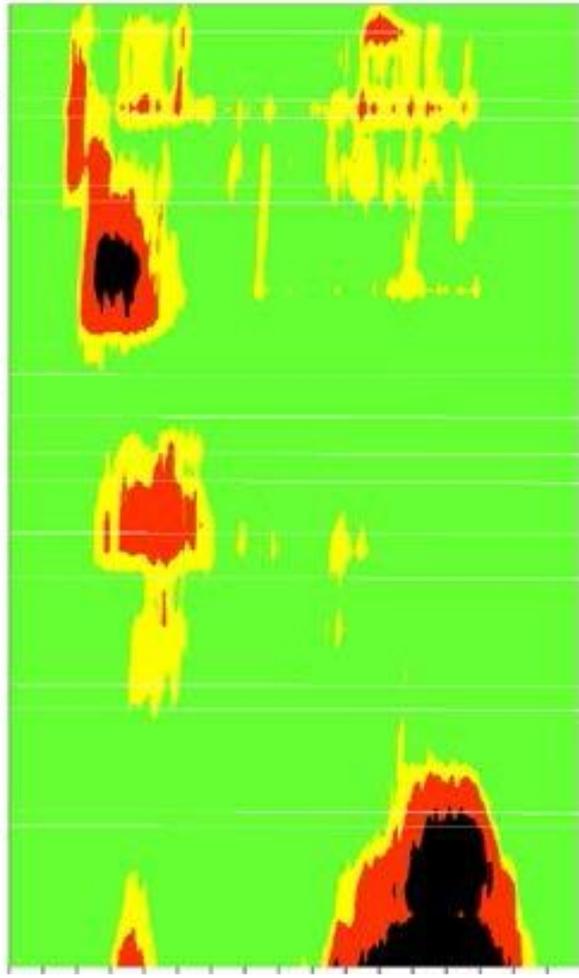
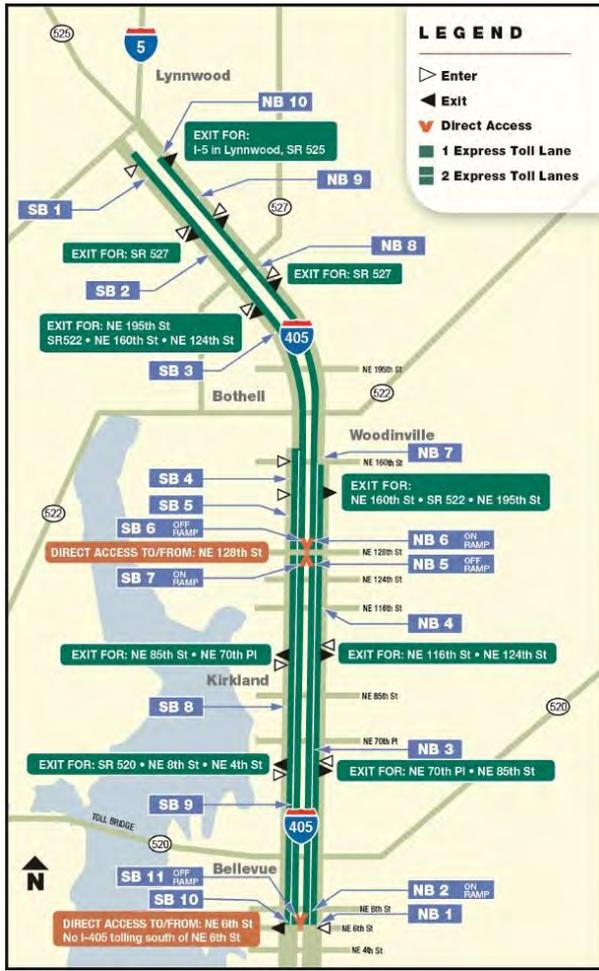
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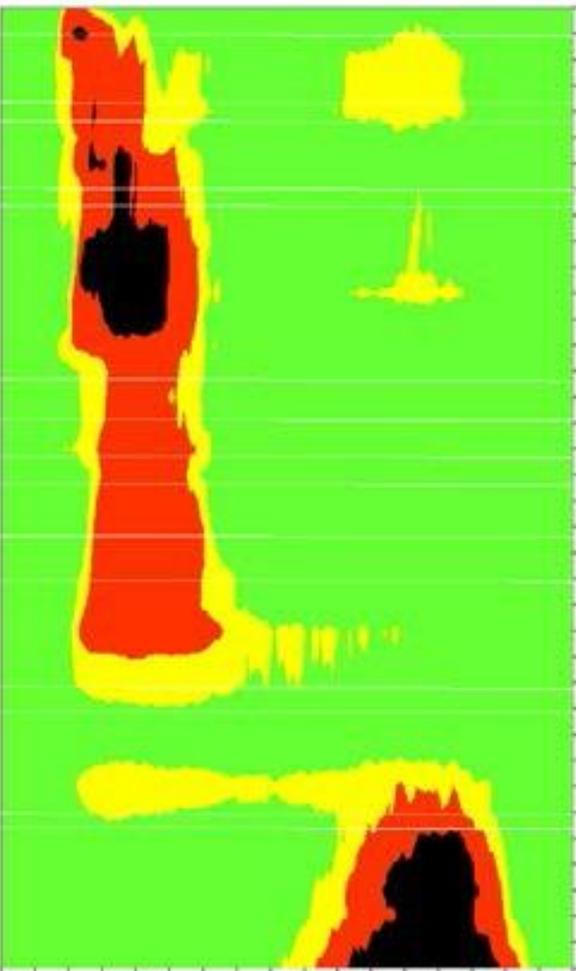


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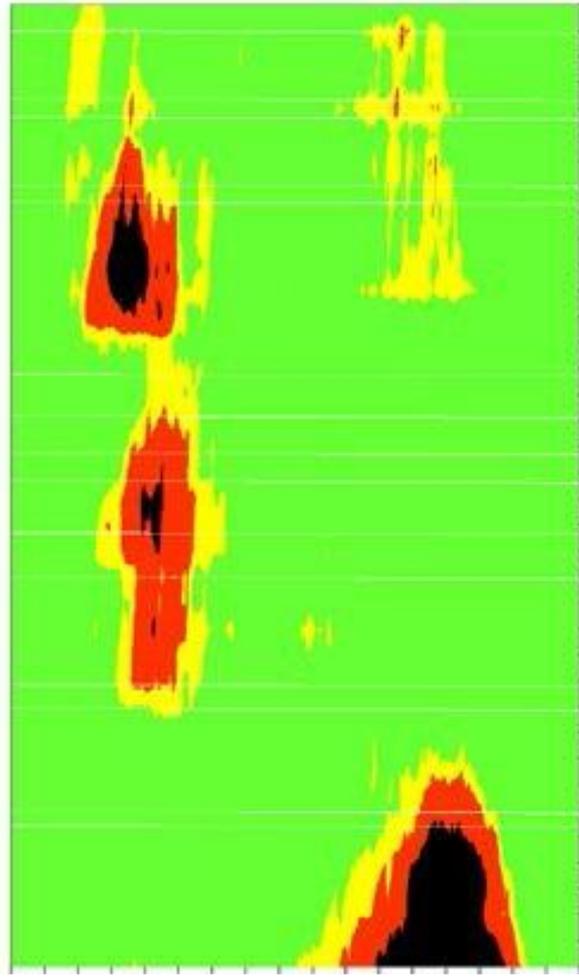
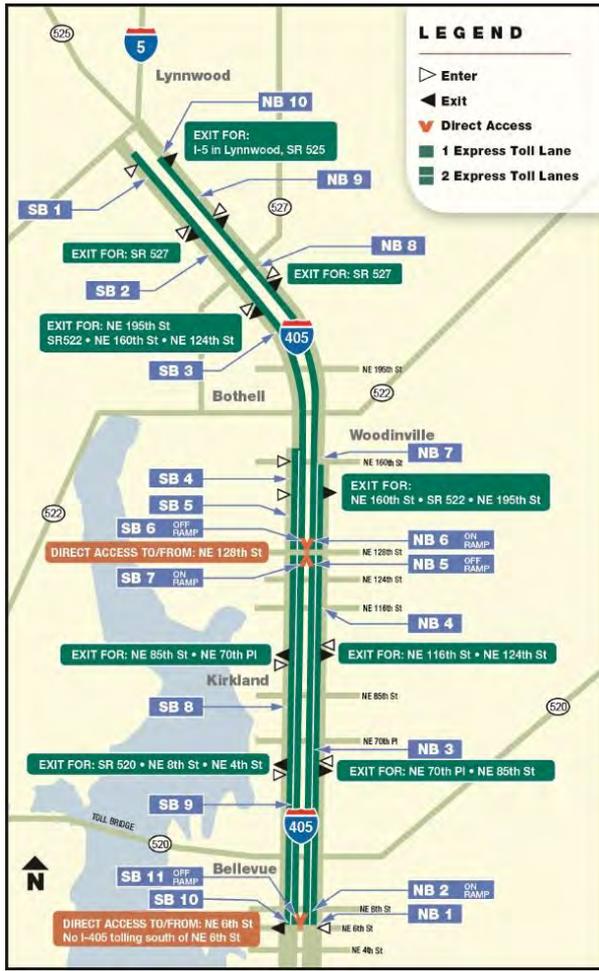
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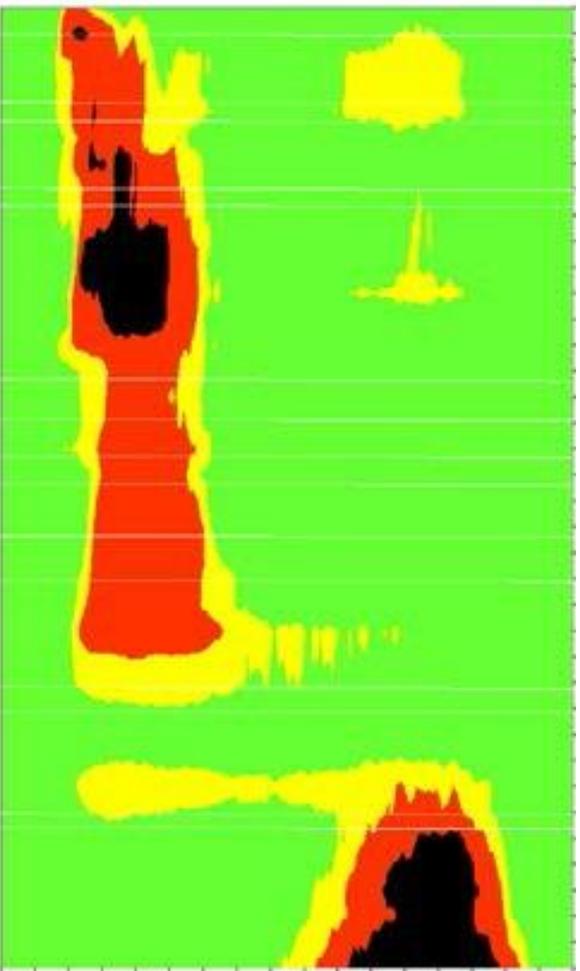
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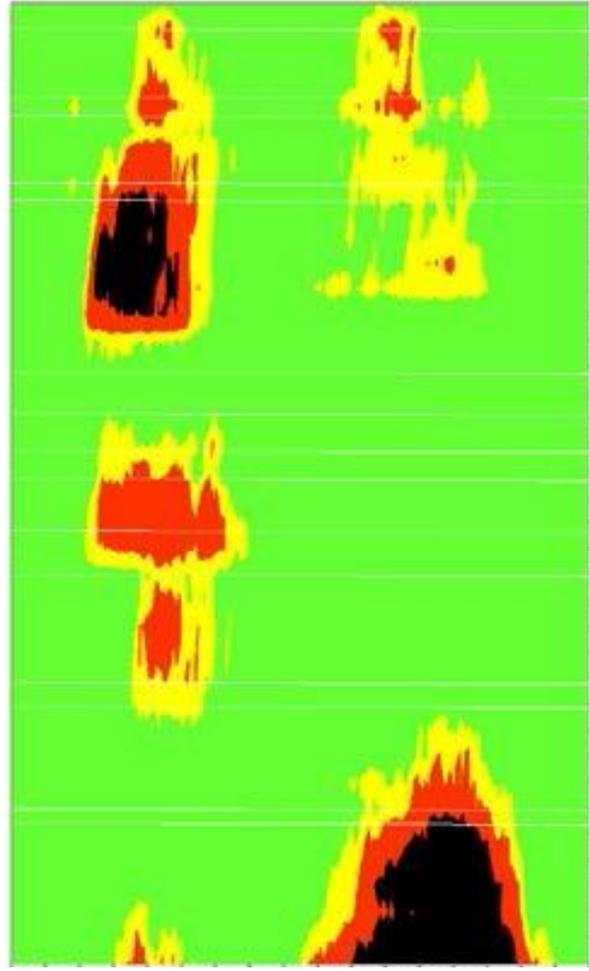
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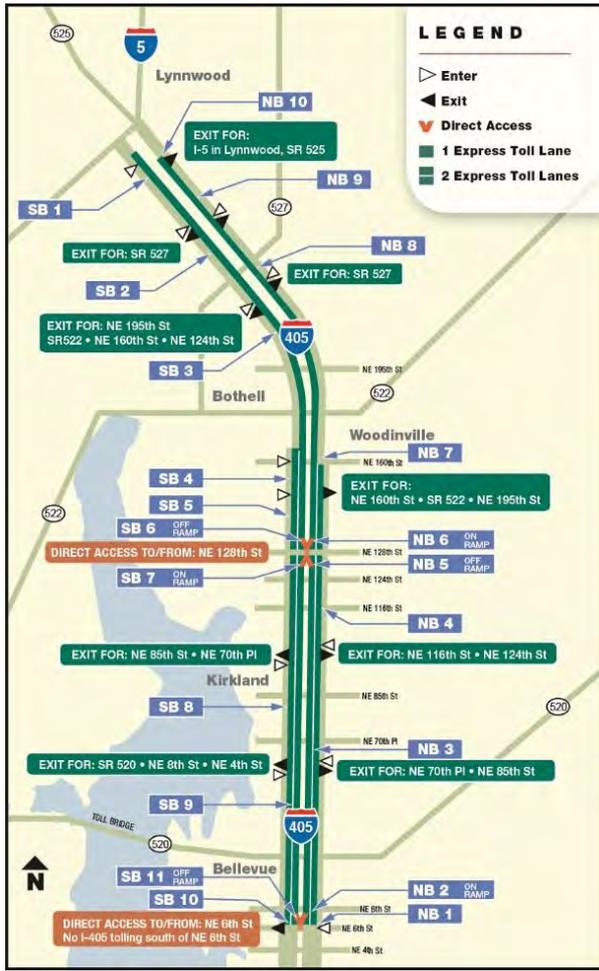


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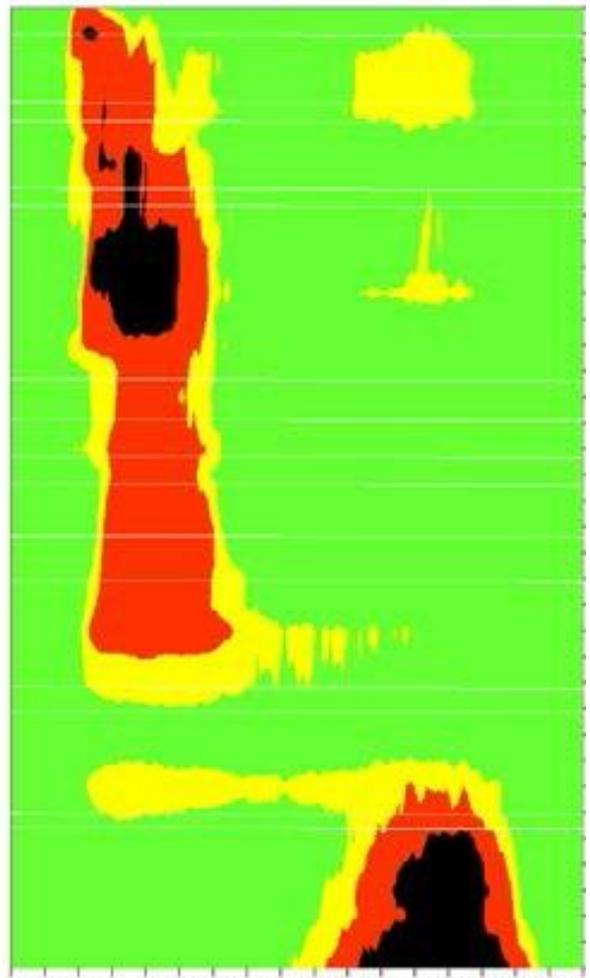


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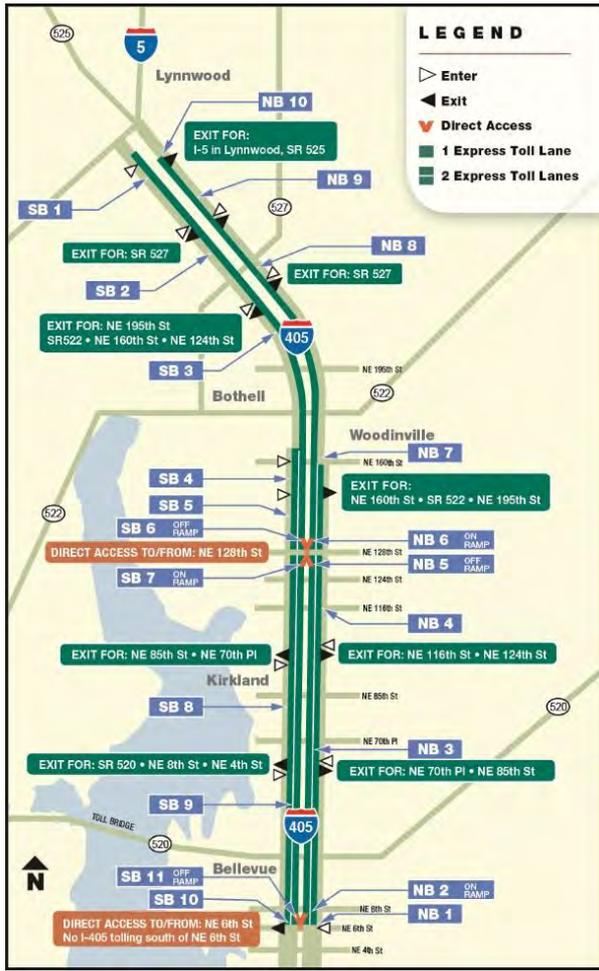


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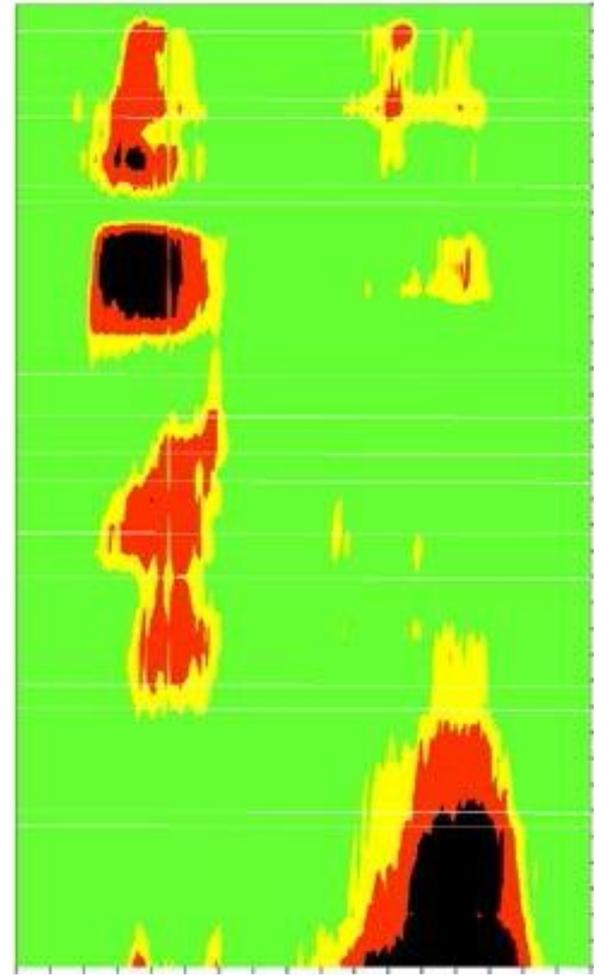
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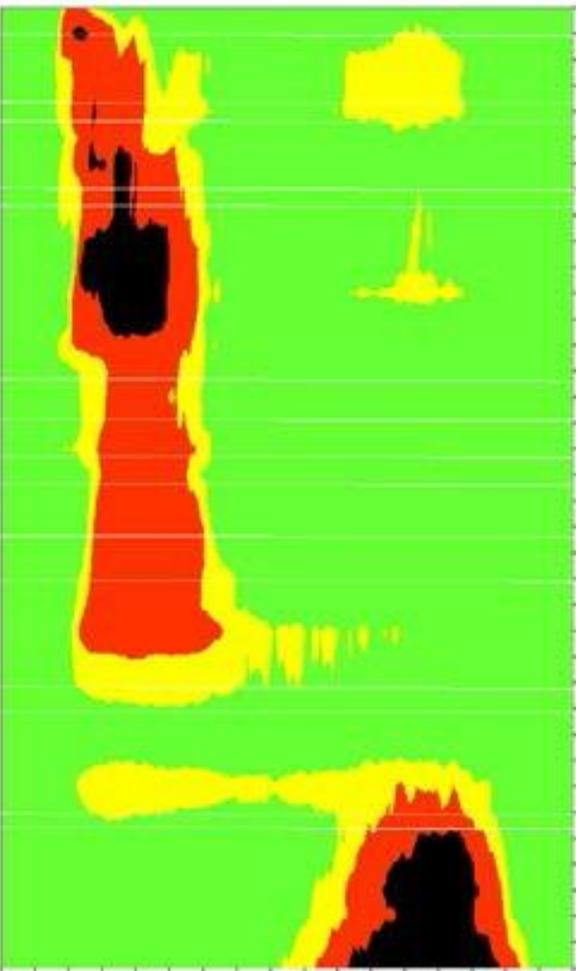


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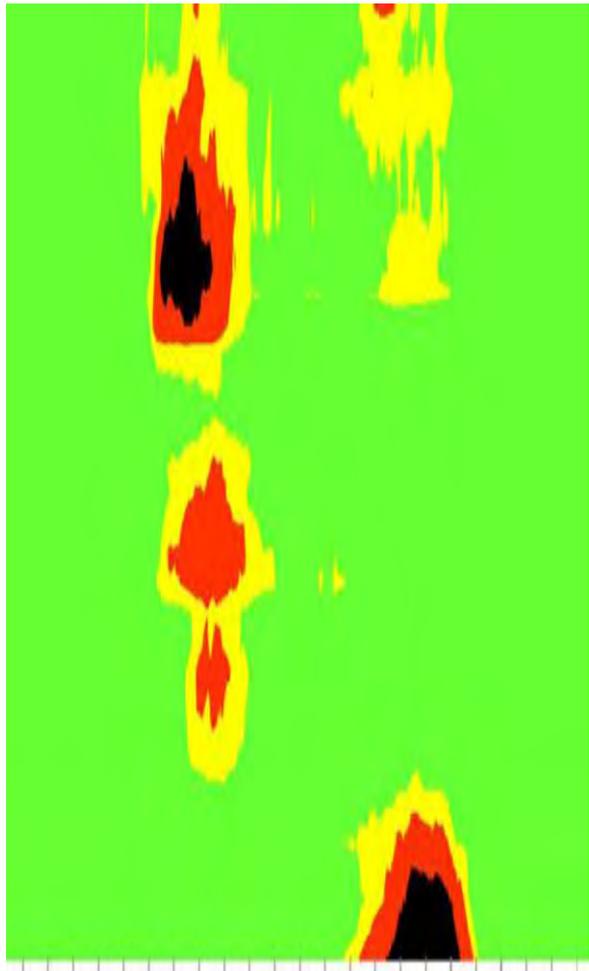
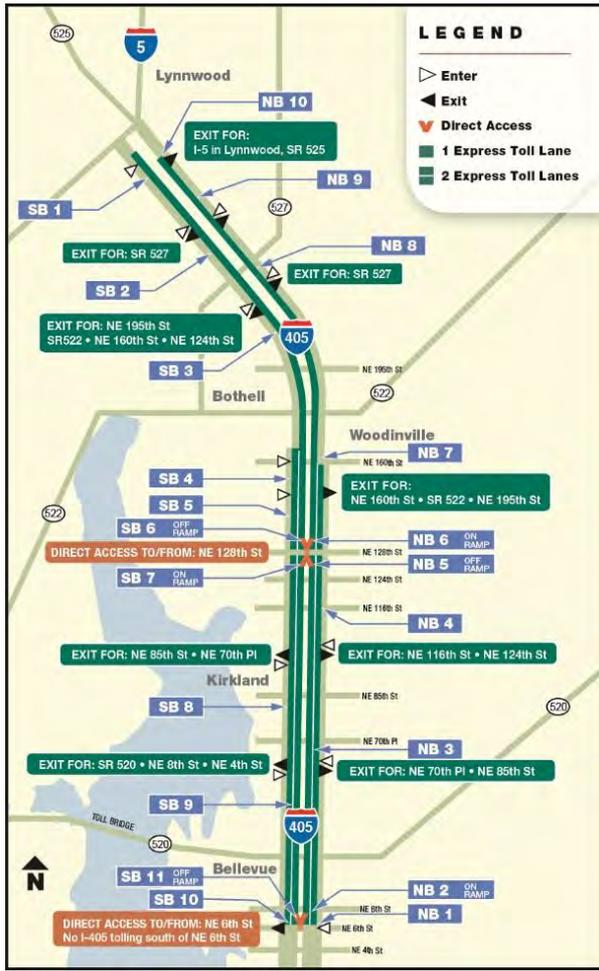
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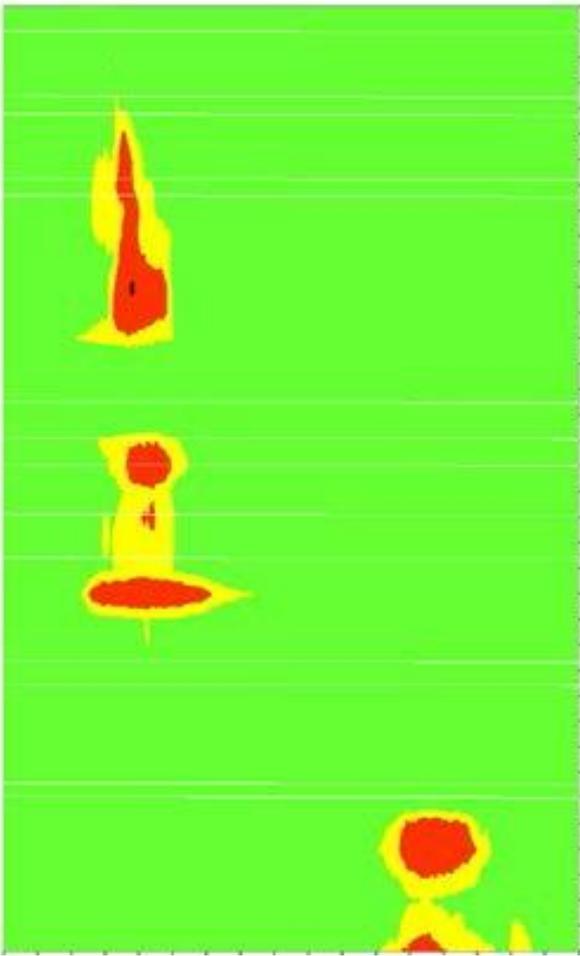


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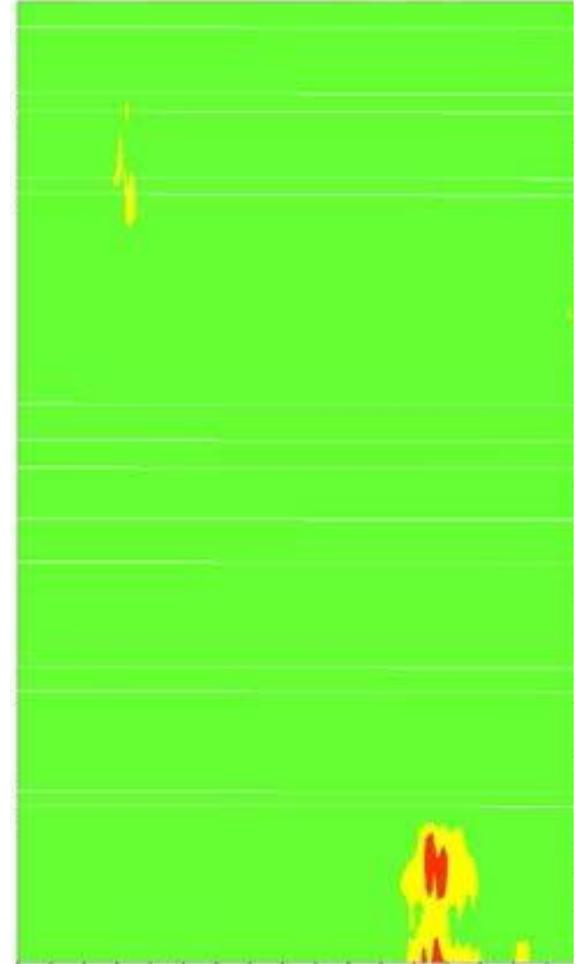
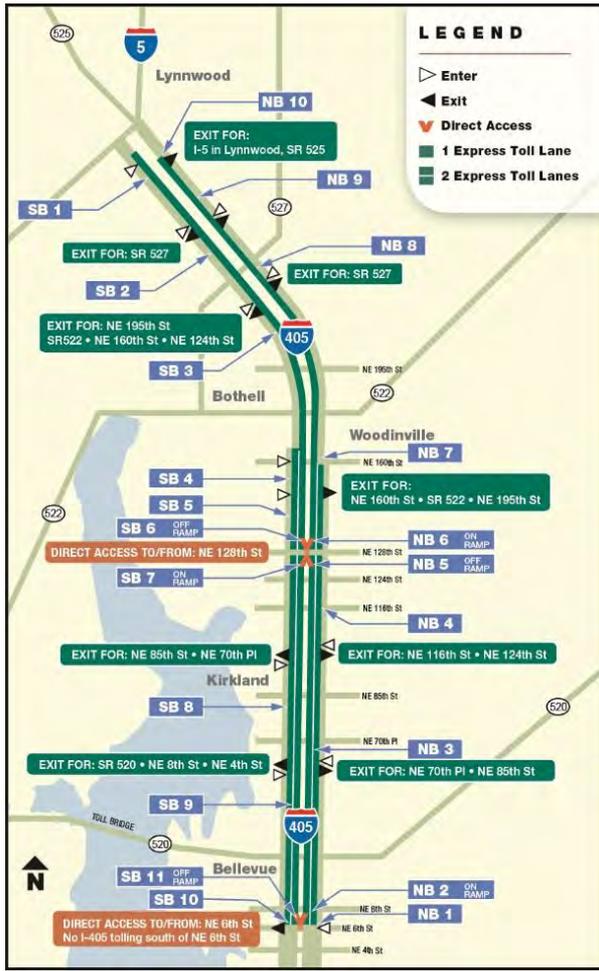
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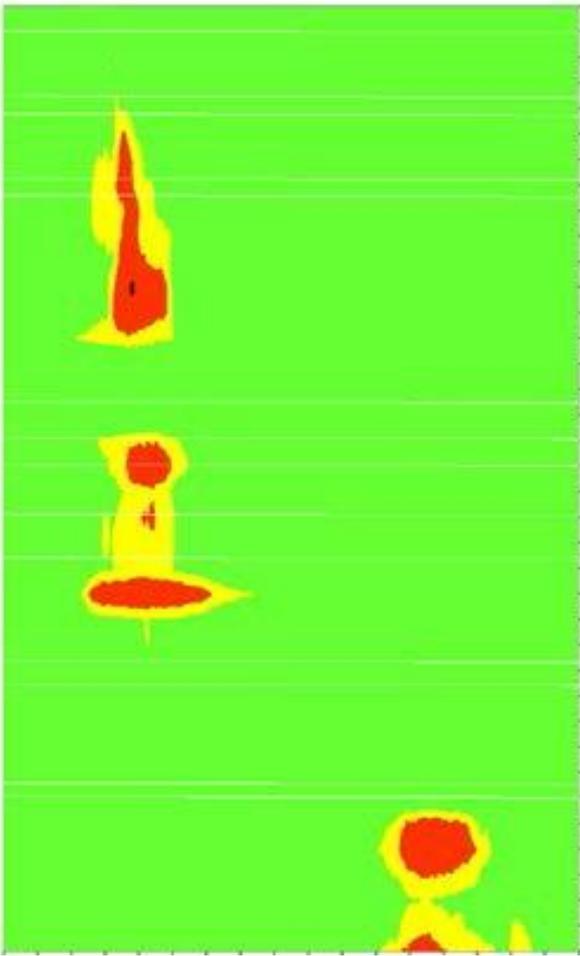
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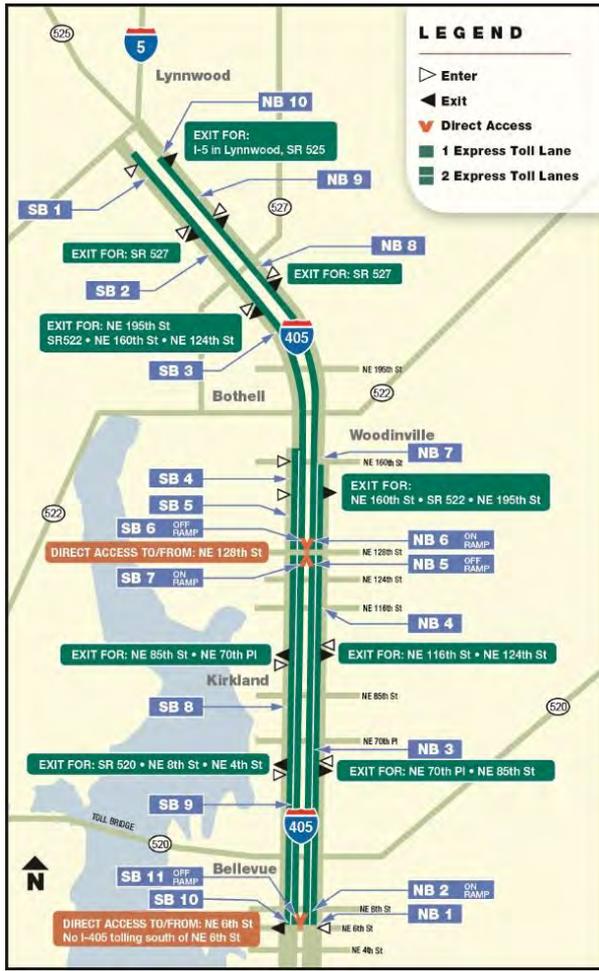
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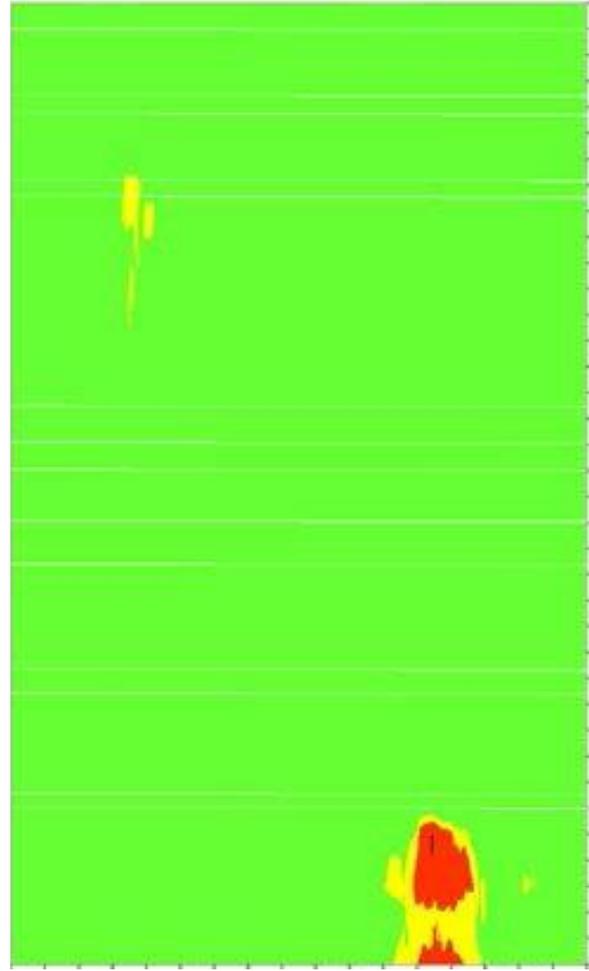
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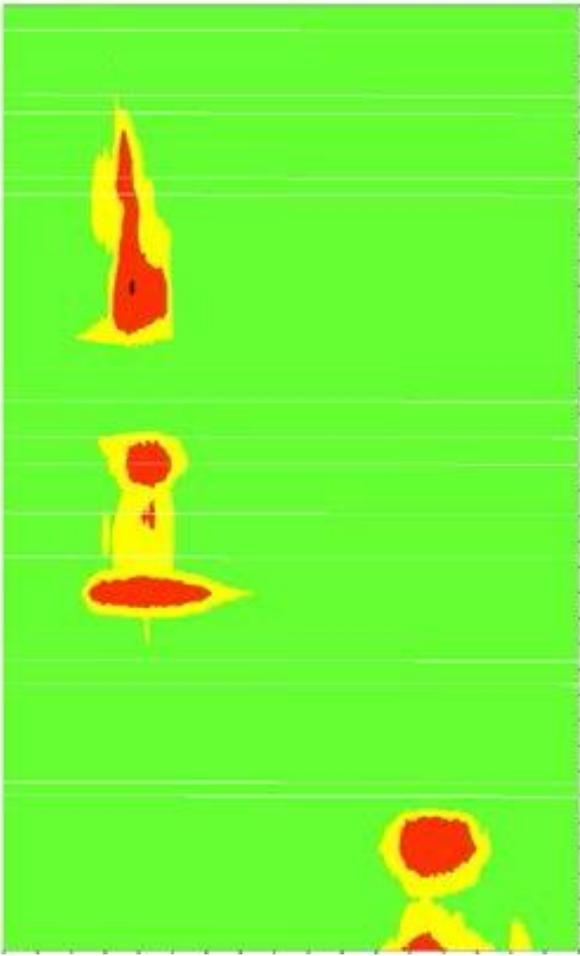


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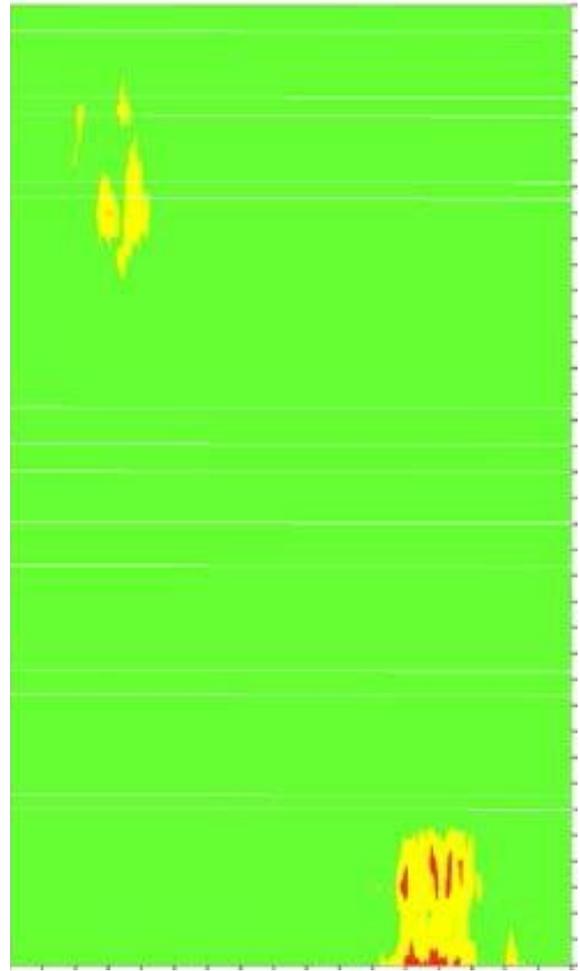
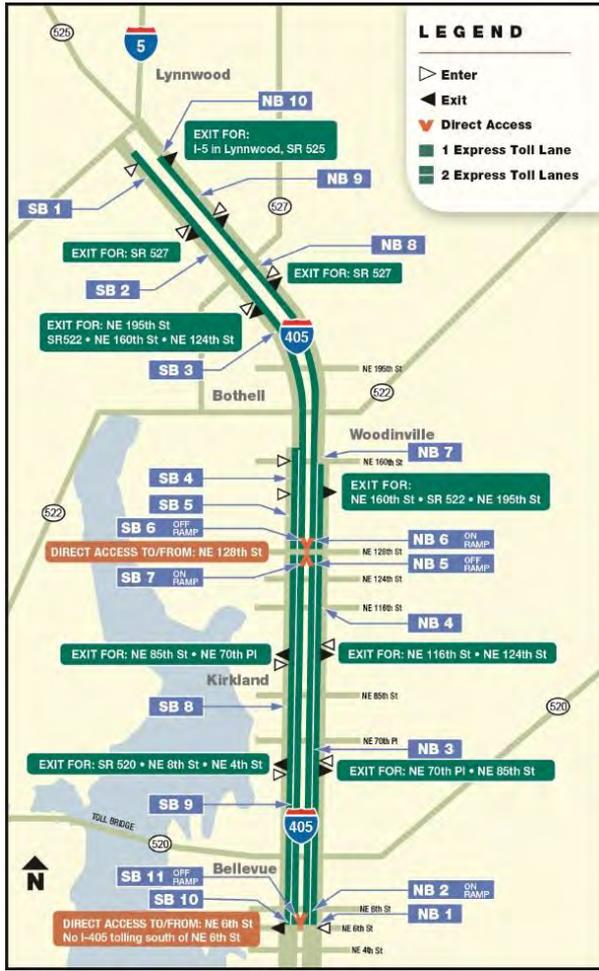
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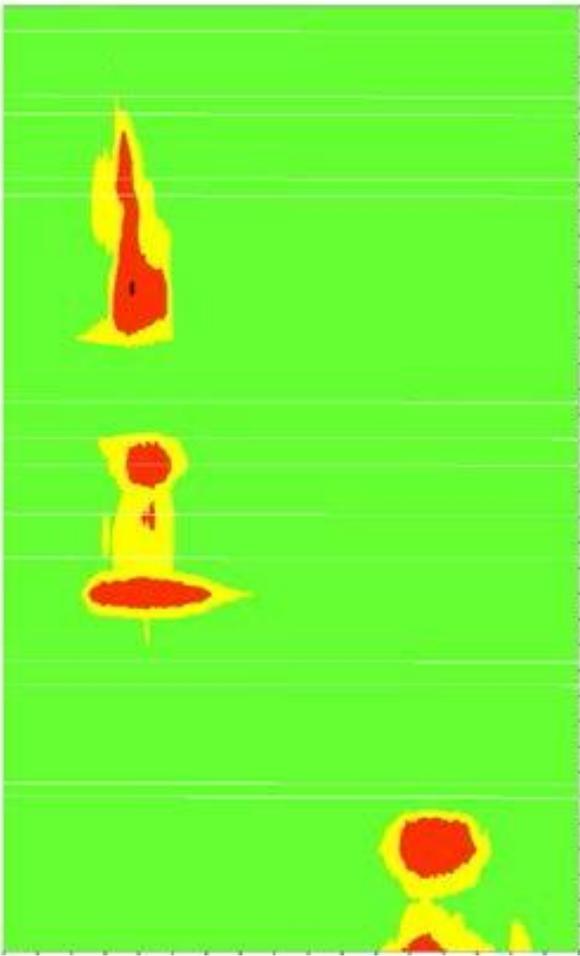
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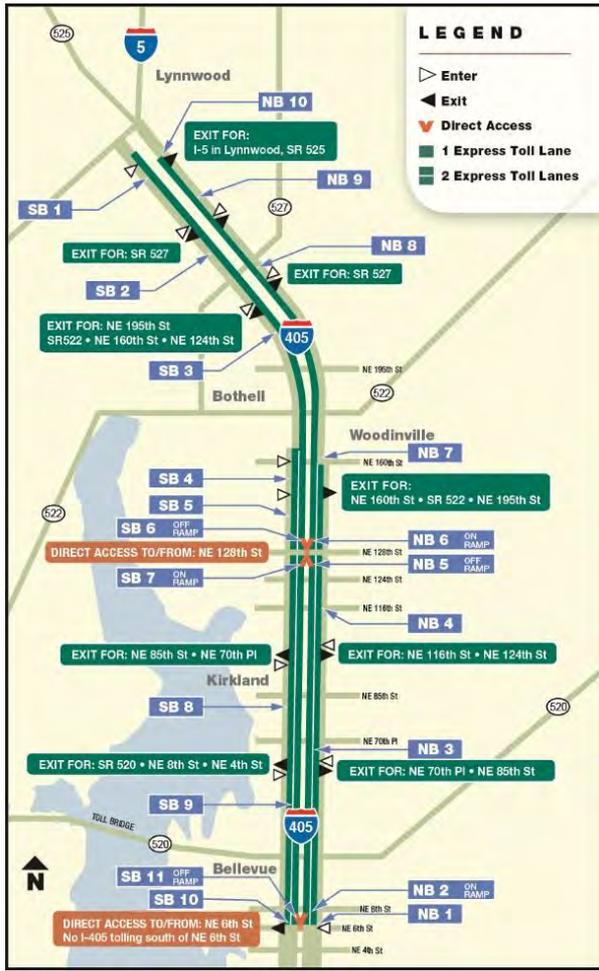
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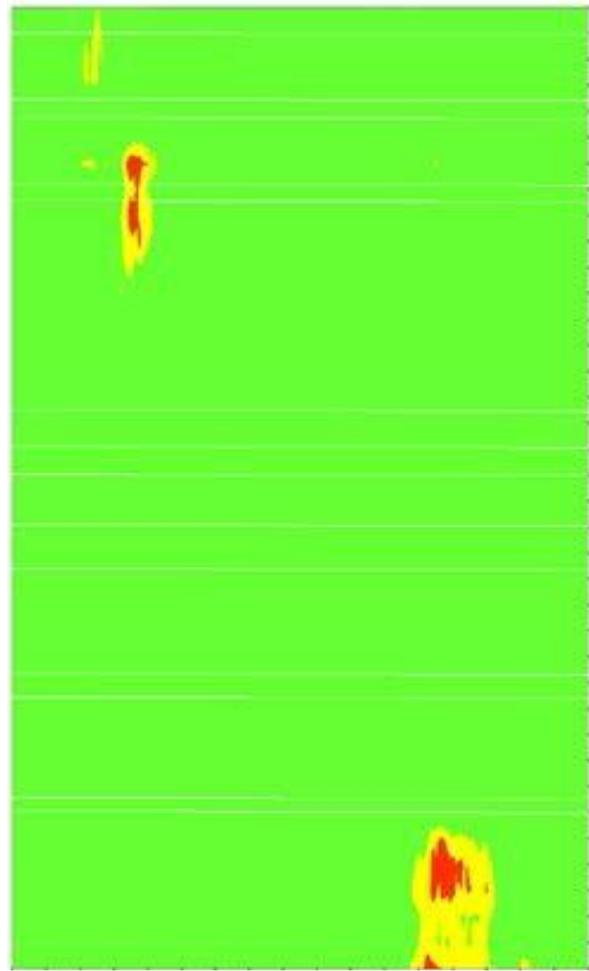
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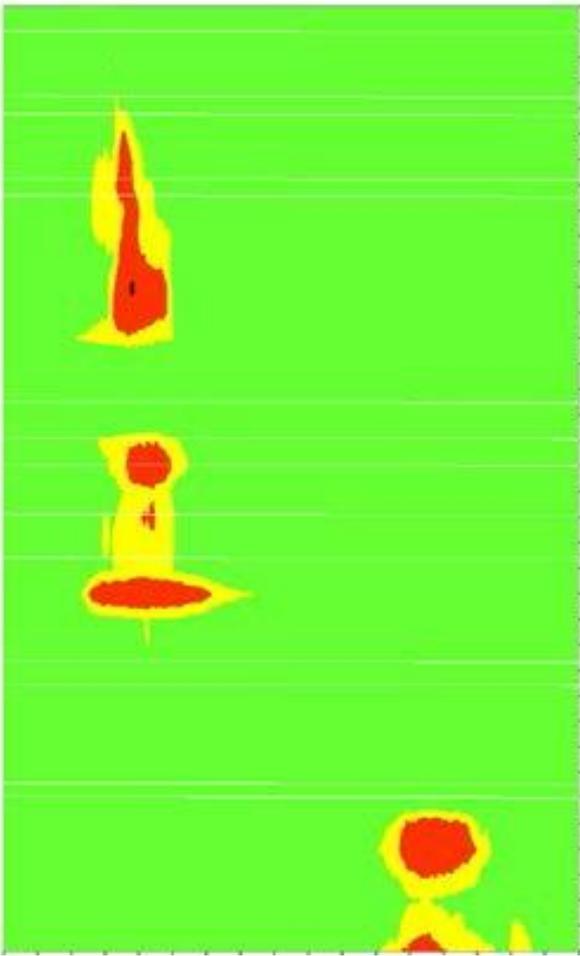
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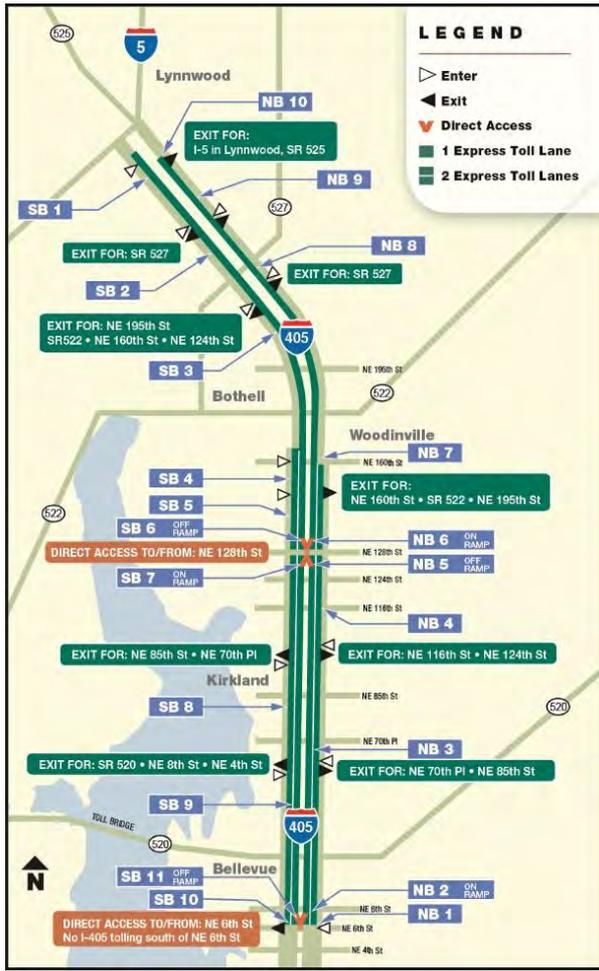
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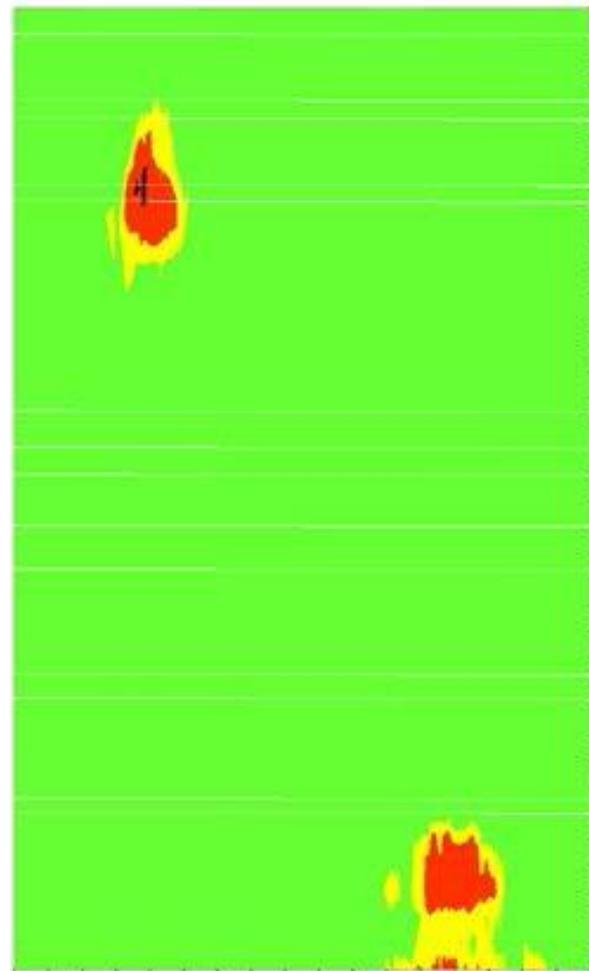
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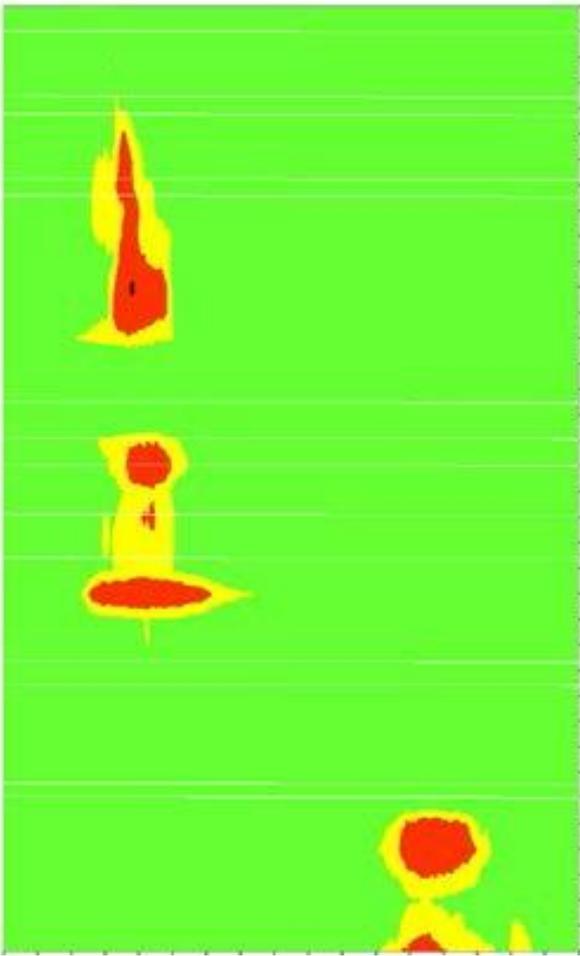
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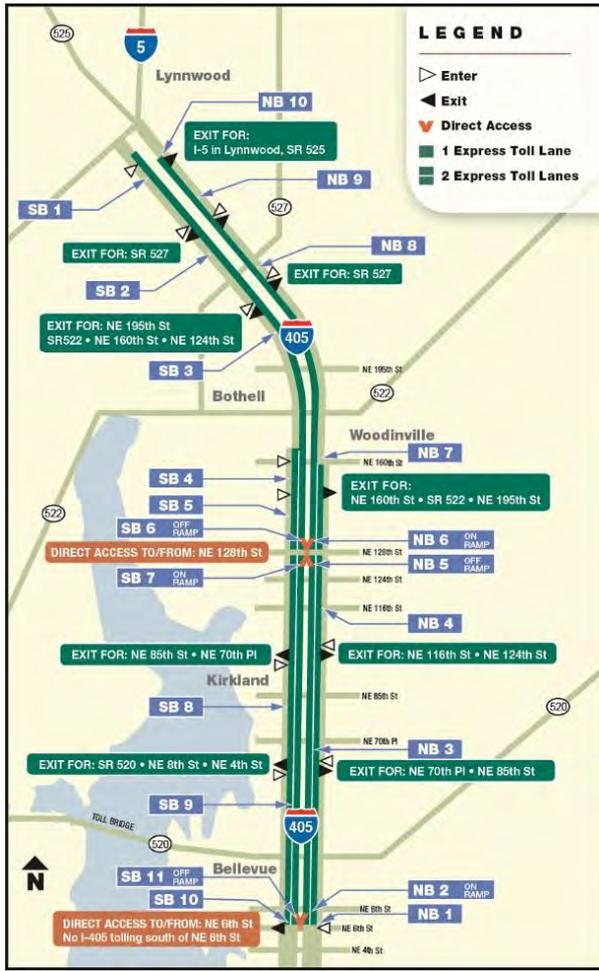
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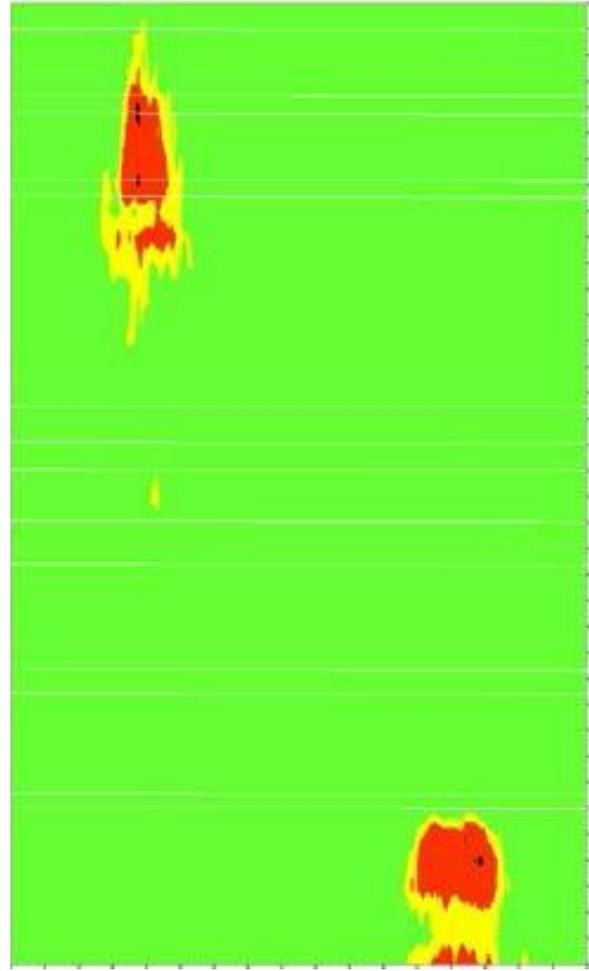
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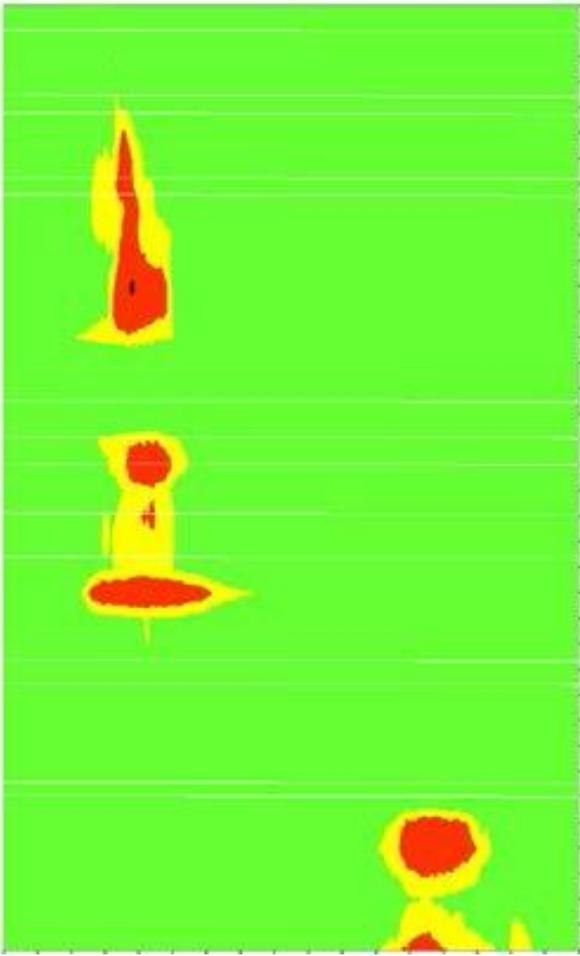
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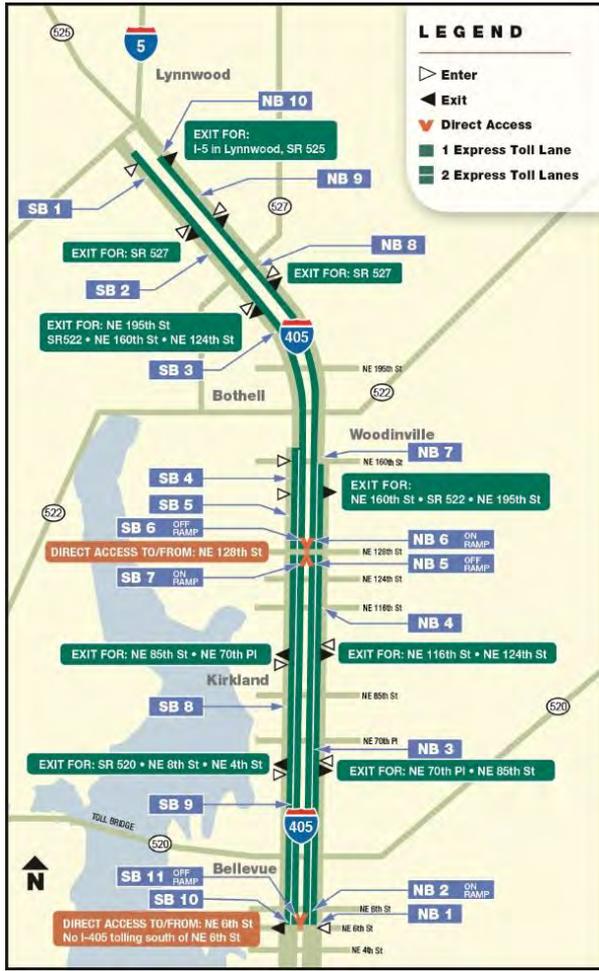
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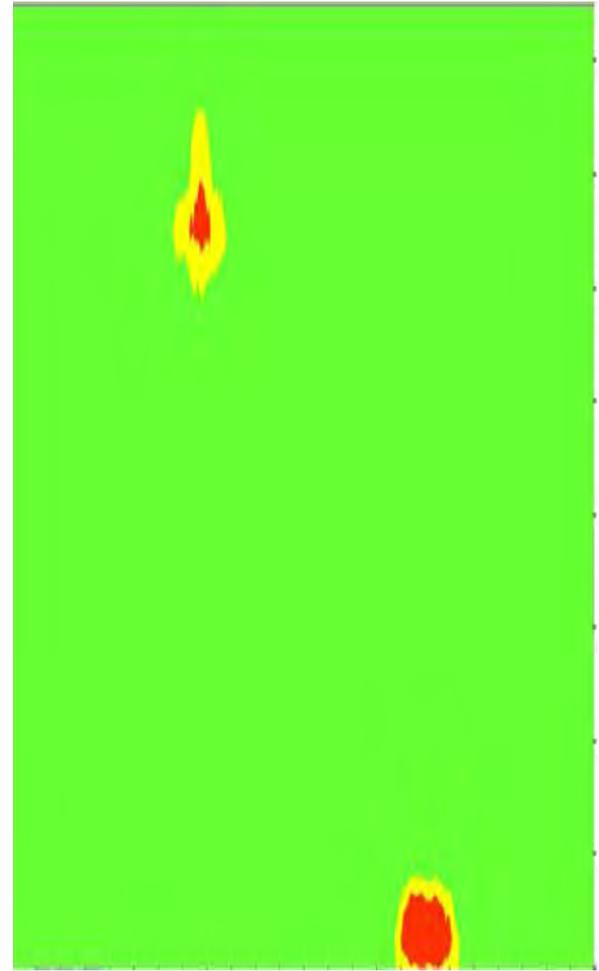
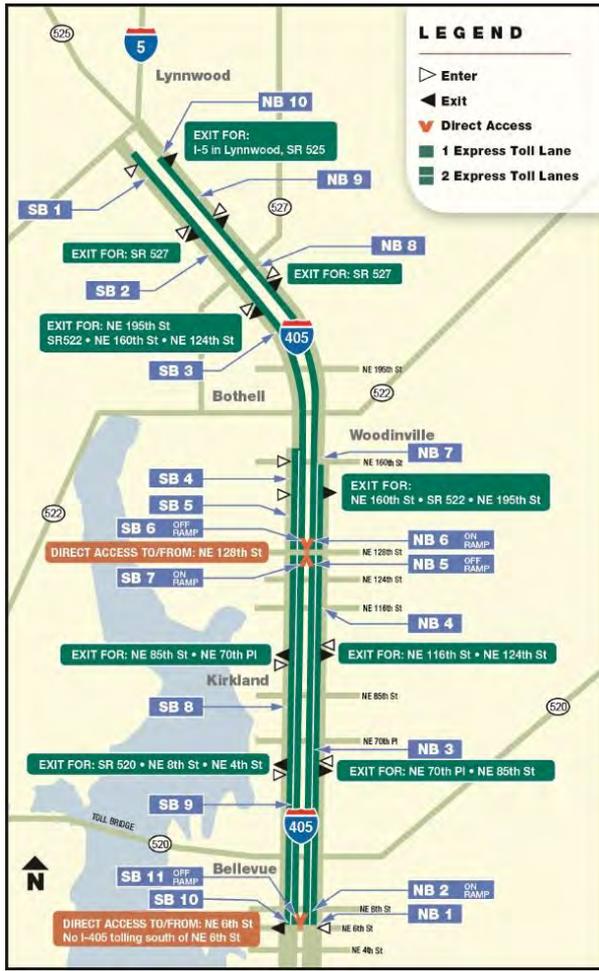
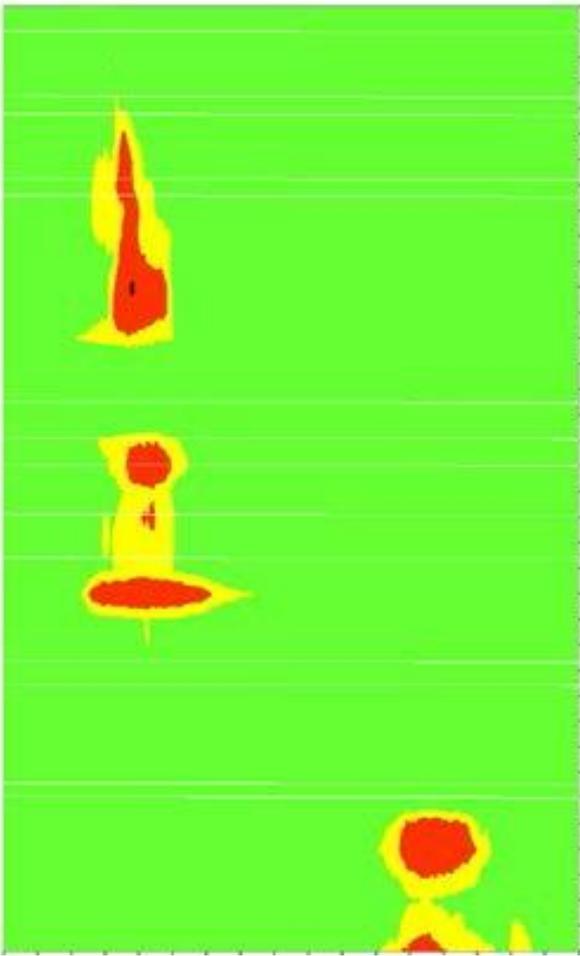


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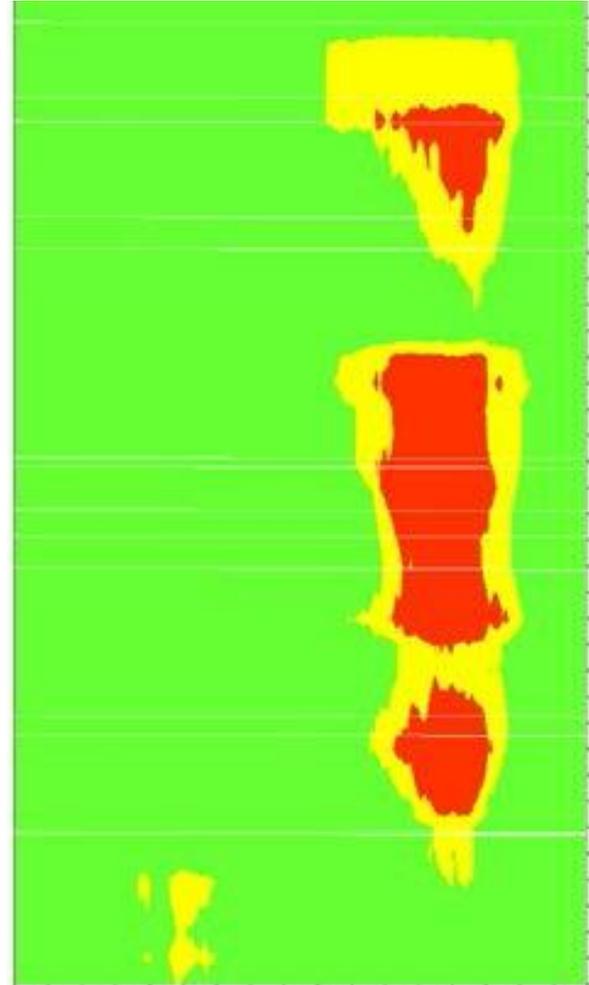
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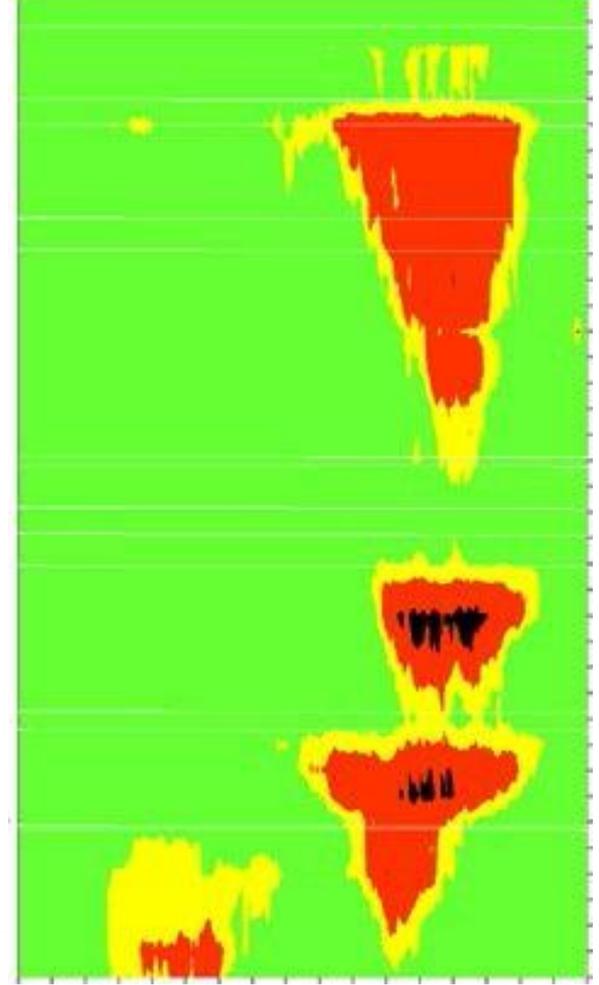
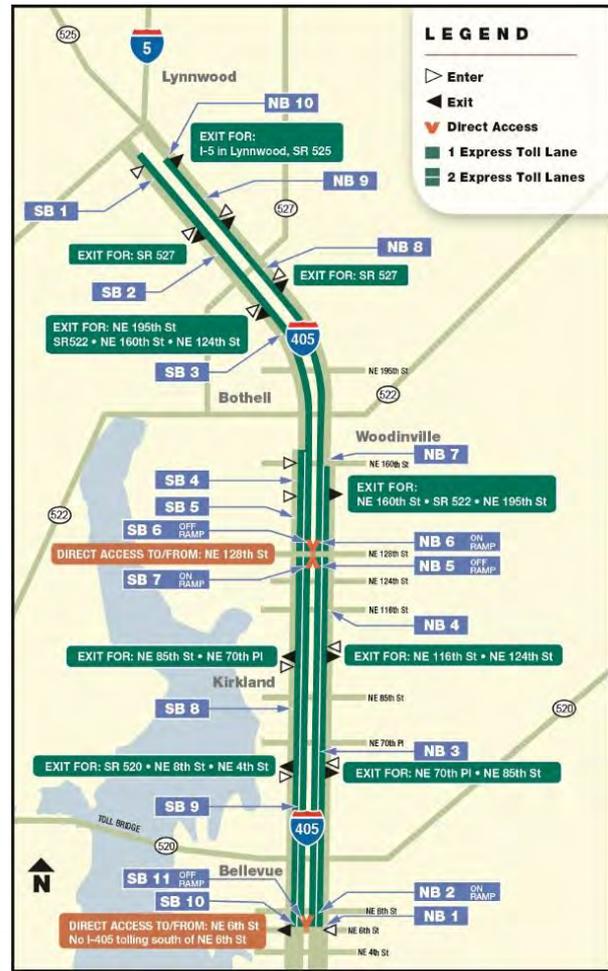
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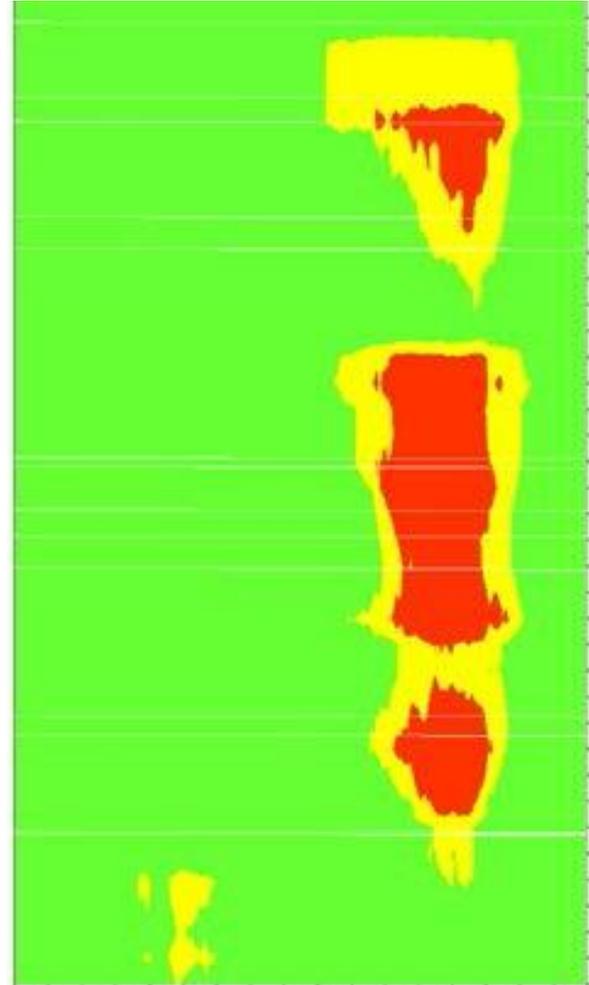
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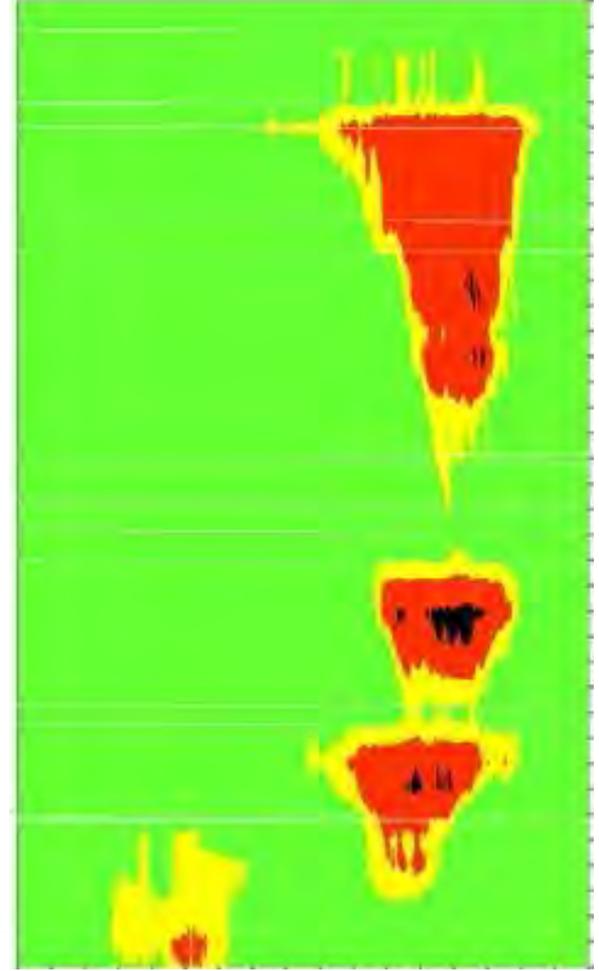
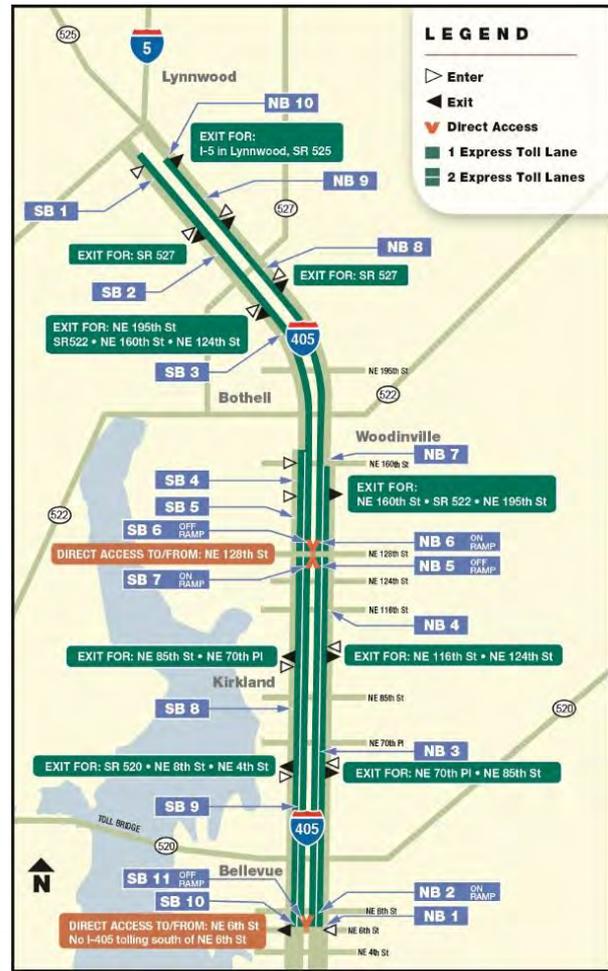
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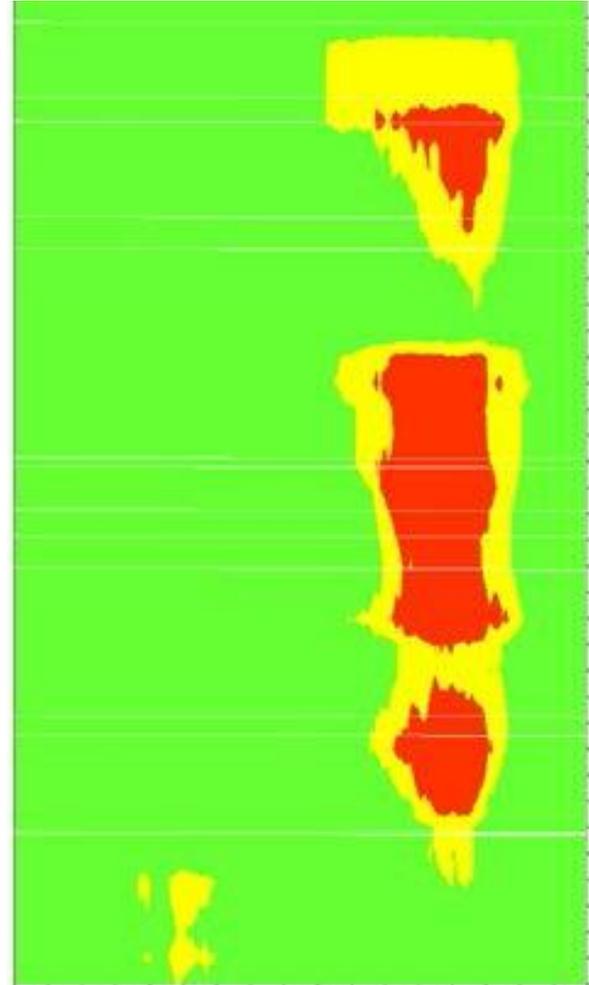


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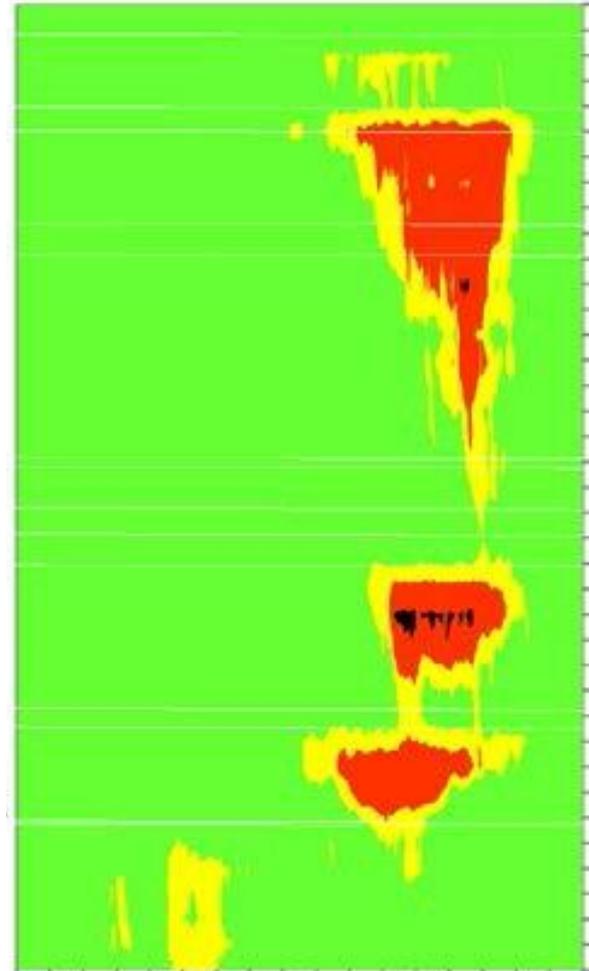
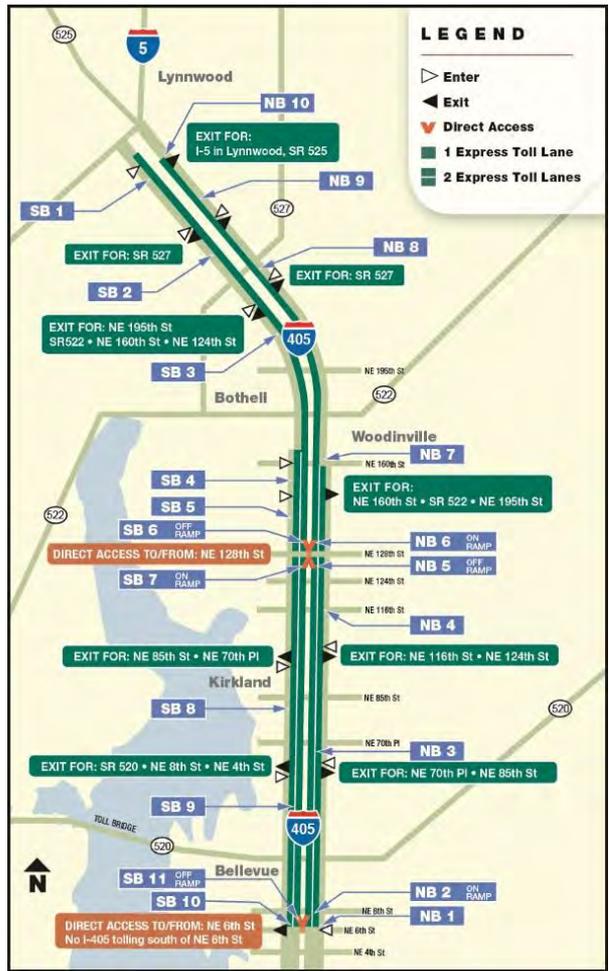
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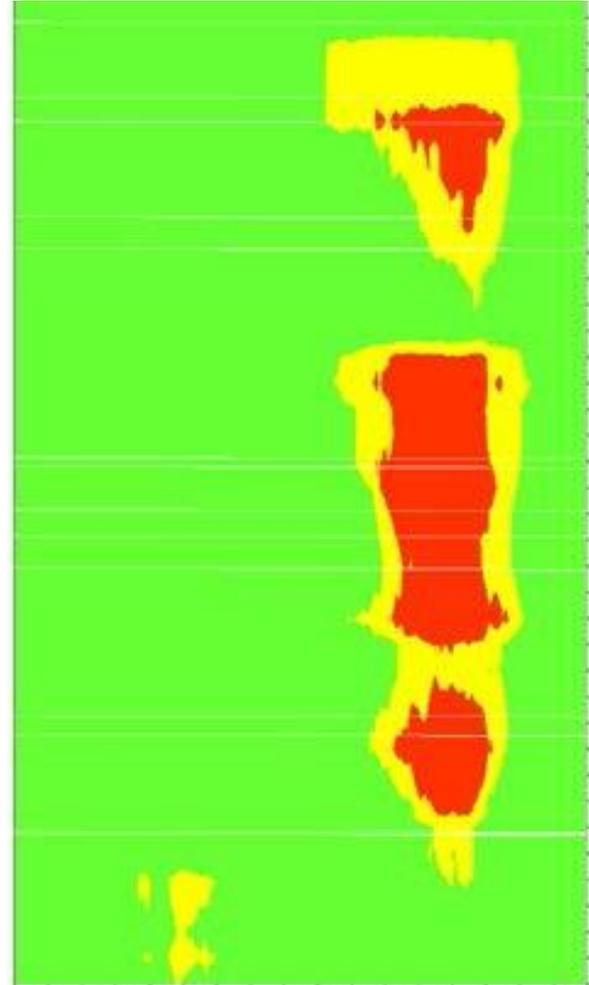
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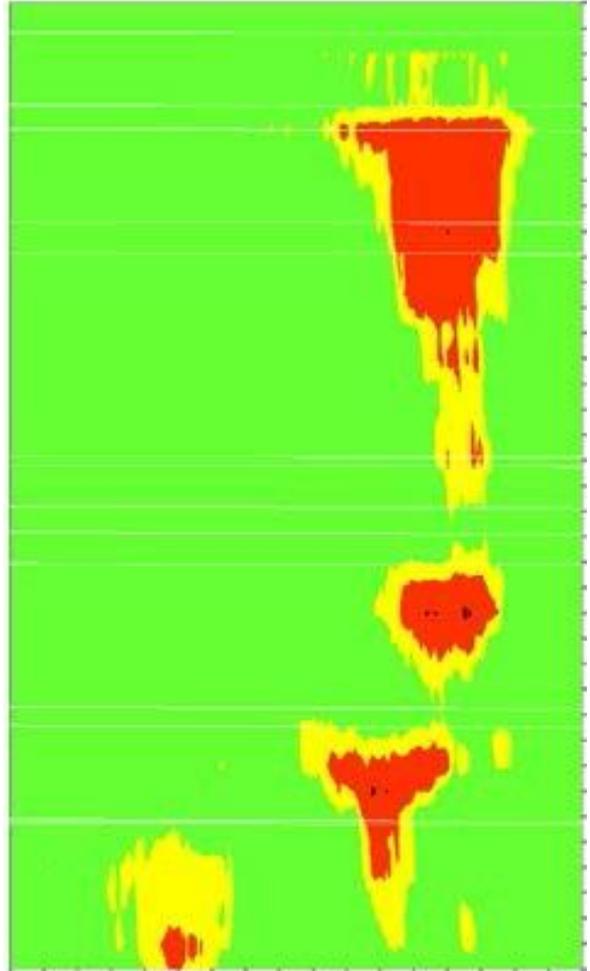
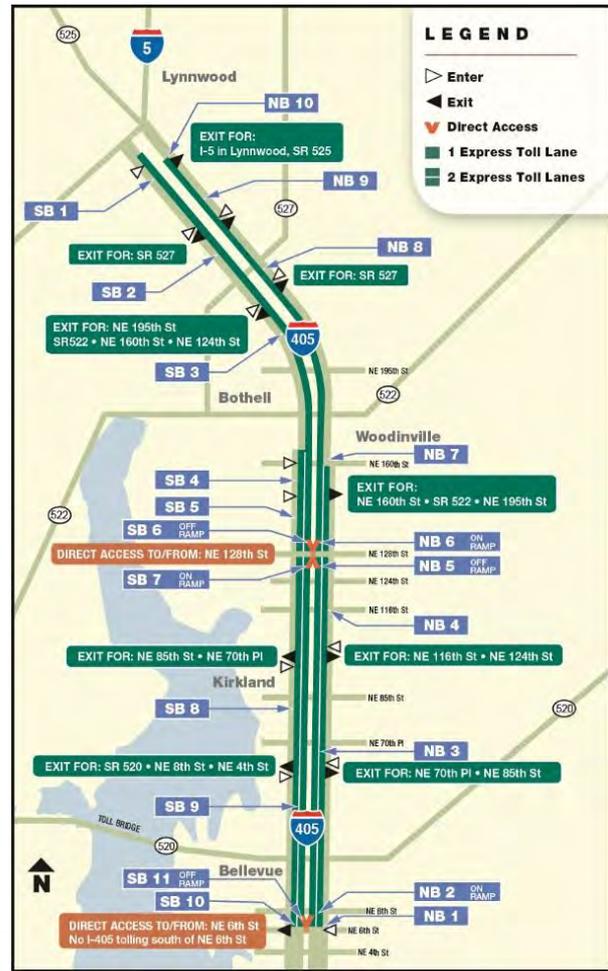
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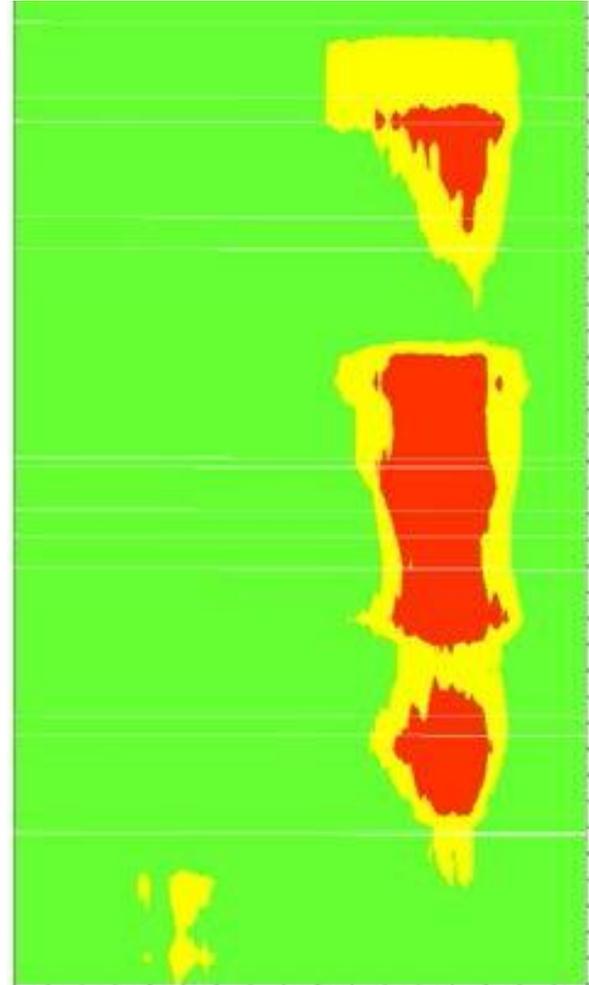
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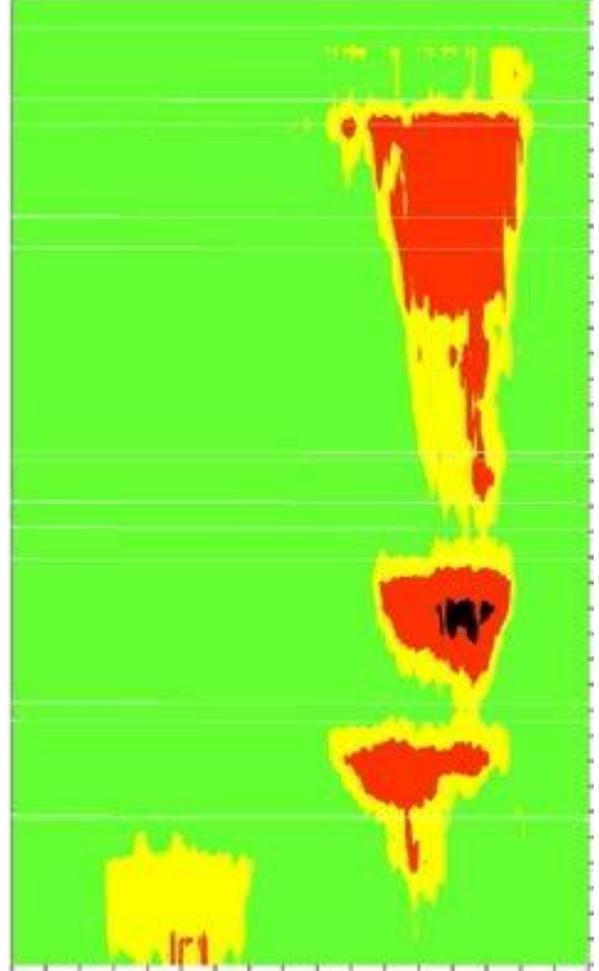
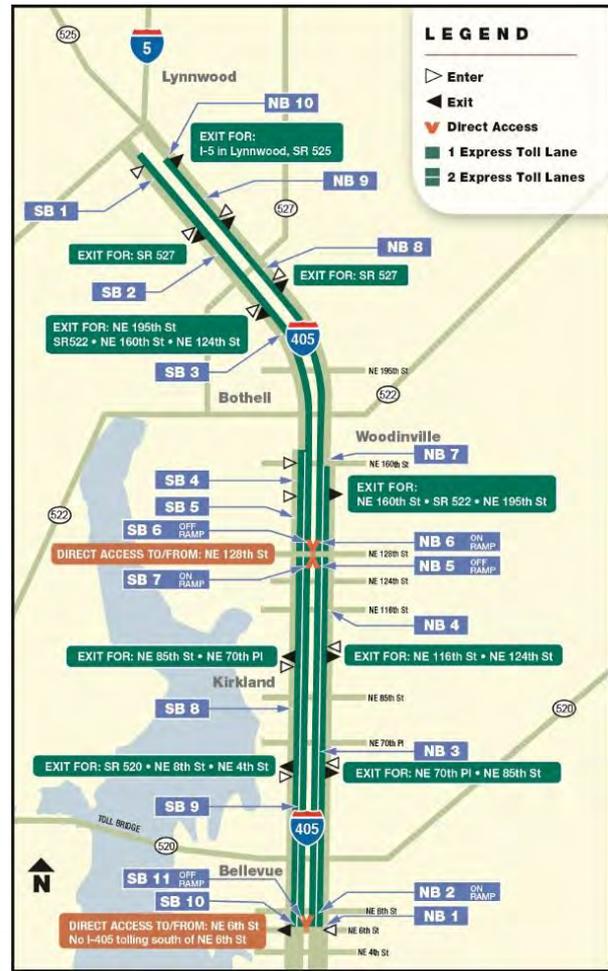
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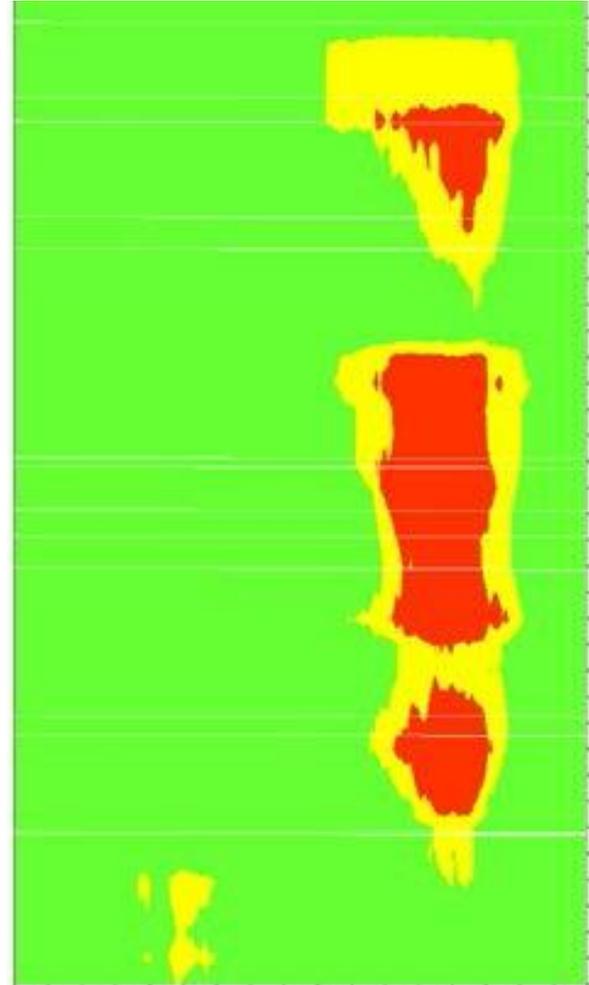
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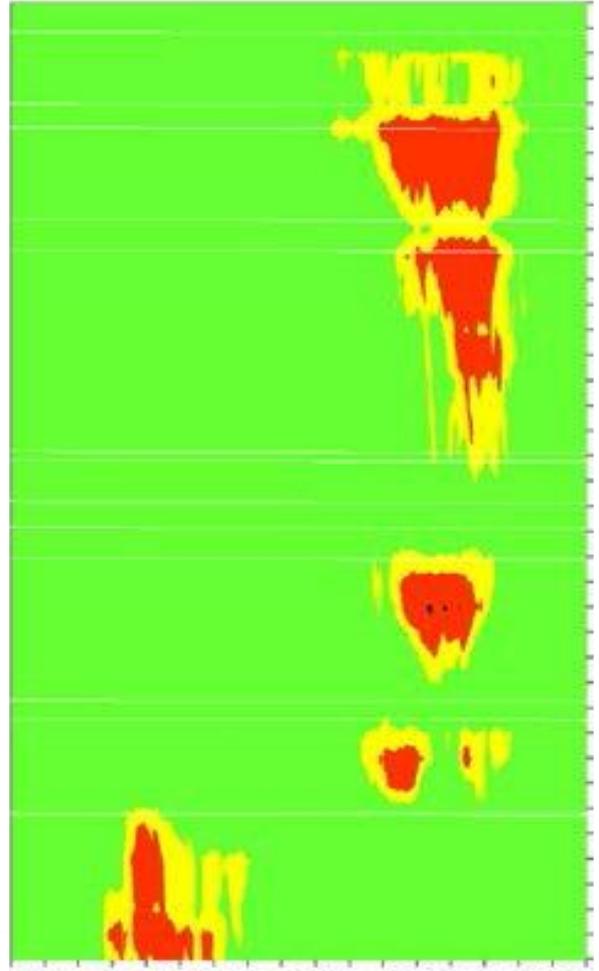
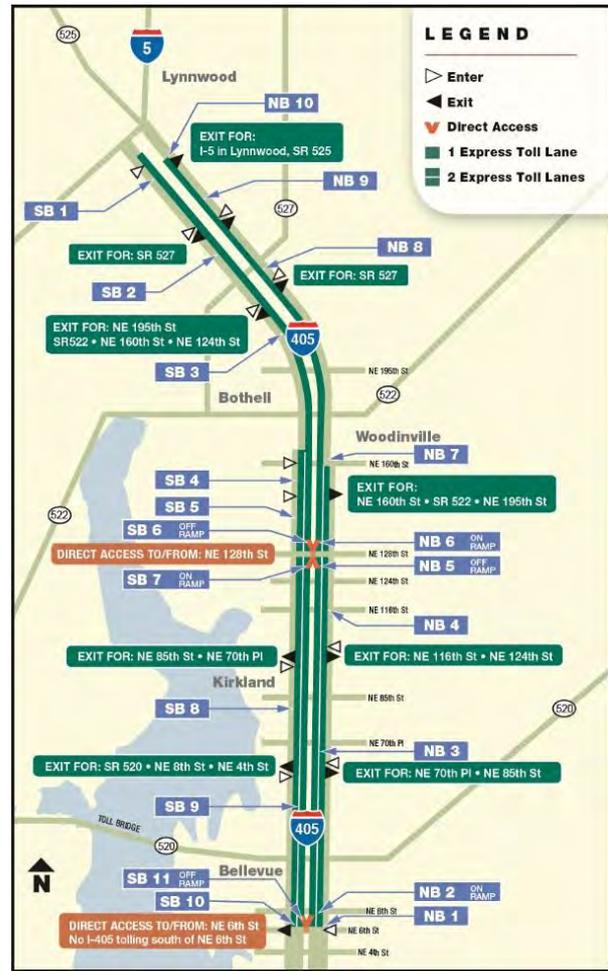
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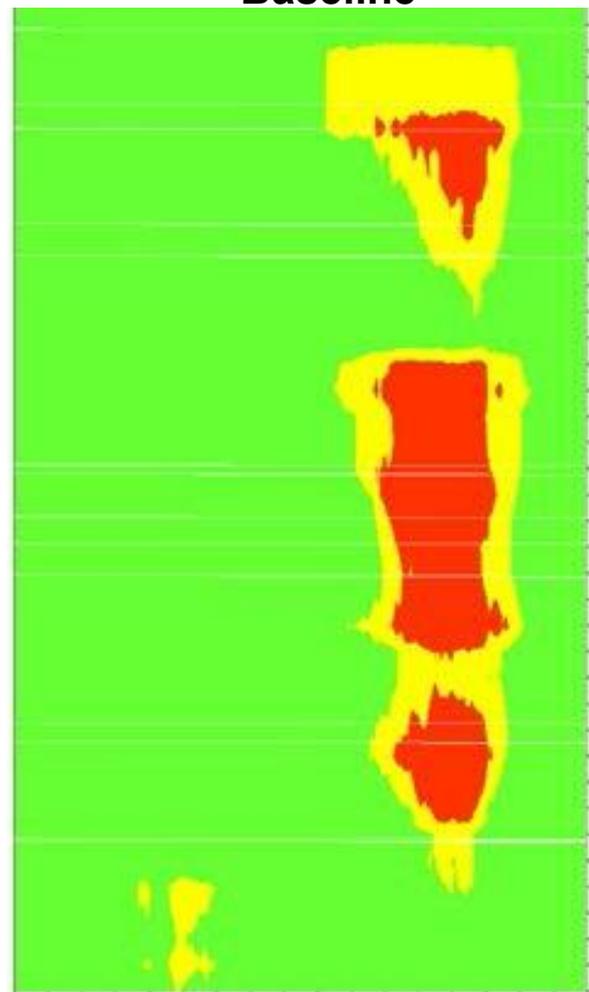
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The First Eight Weeks – Northbound

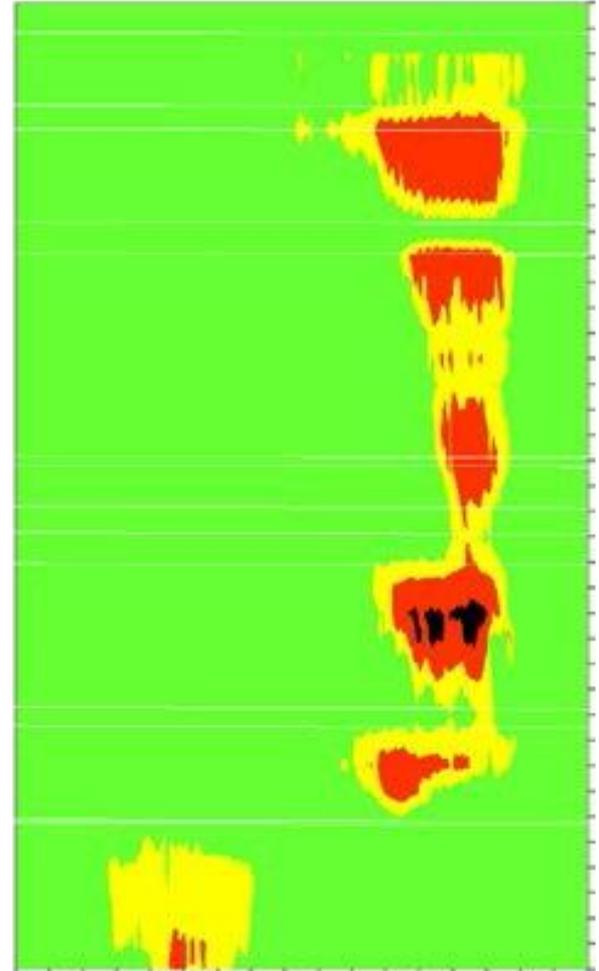
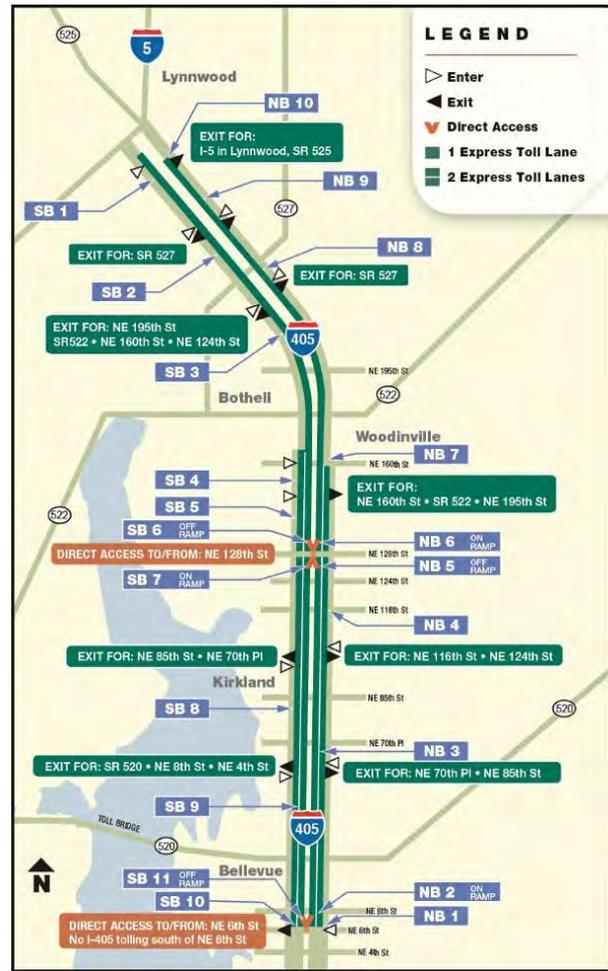
Congestion Contours

I-405 NB General Purpose Lanes,
Baseline

I-405 NB General Purpose Lanes,
Week 7, 2015



Midnight
7:00 AM
Noon
5:00 PM
Midnight



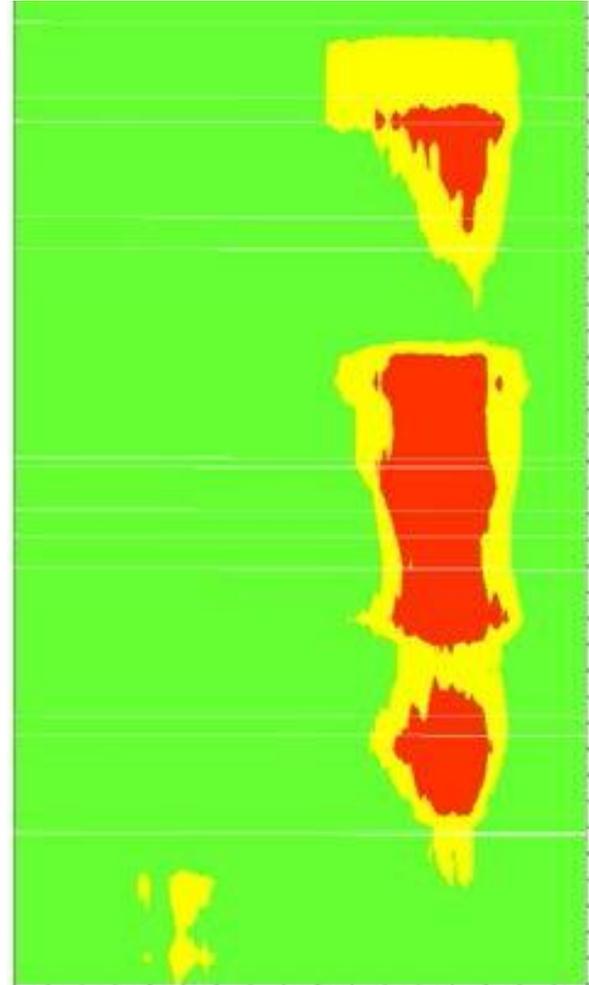
Midnight
7:00 AM
Noon
5:00 PM
Midnight

The First Eight Weeks – Northbound

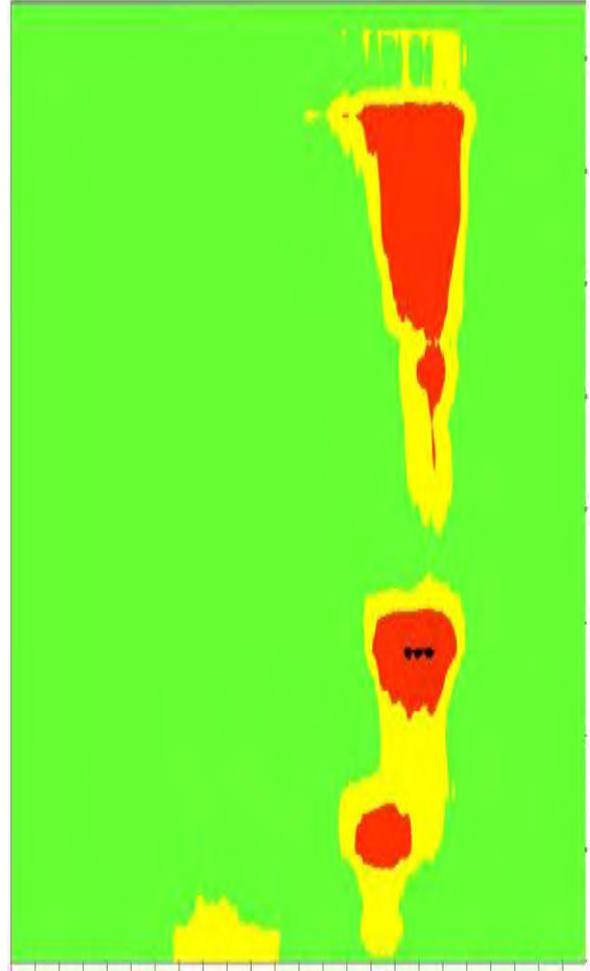
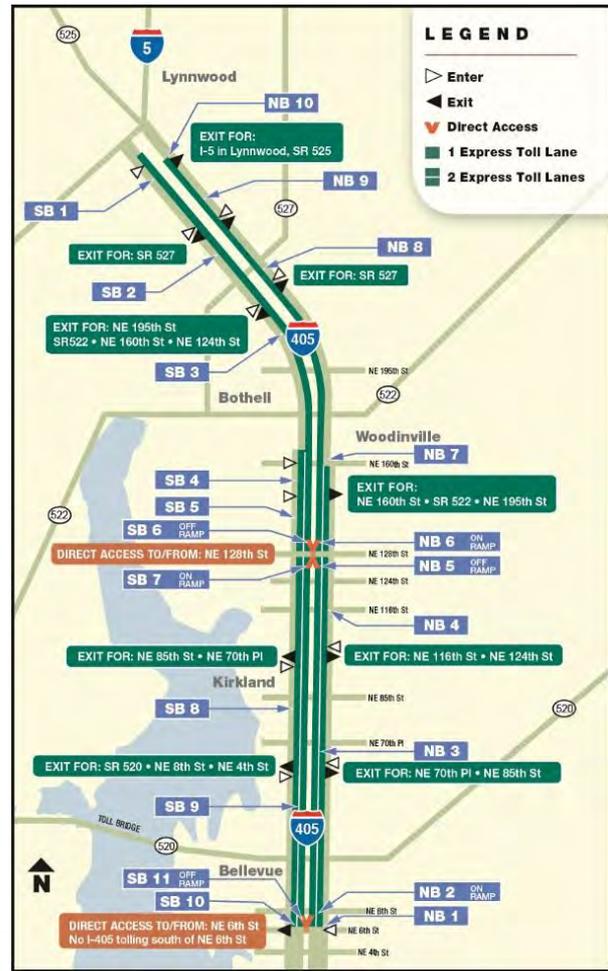
Congestion Contours

I-405 NB General Purpose Lanes,
Baseline

I-405 NB General Purpose Lanes,
Week 8, 2015



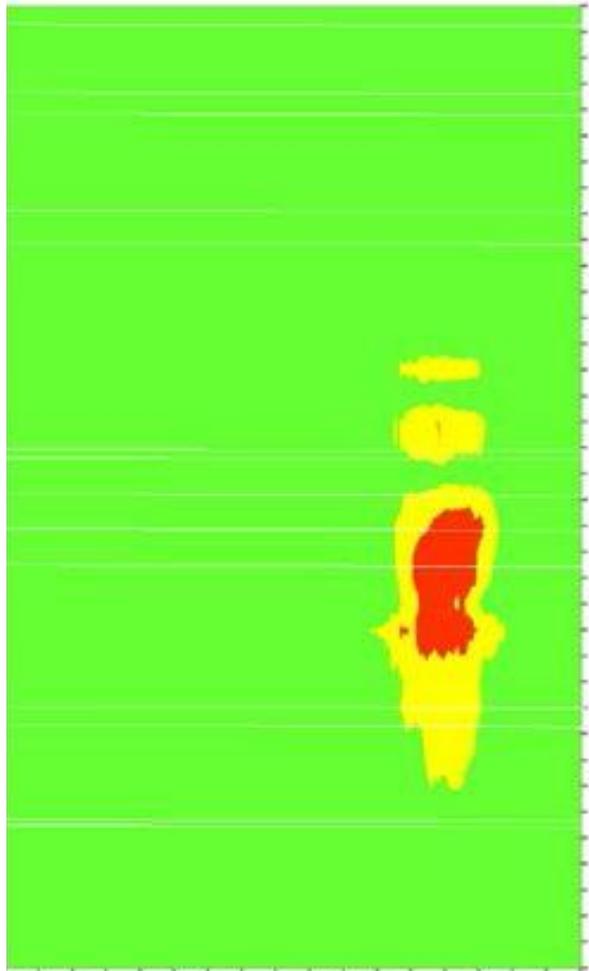
Midnight 7:00 AM Noon 5:00 PM Midnight



Midnight 7:00 AM Noon 5:00 PM Midnight

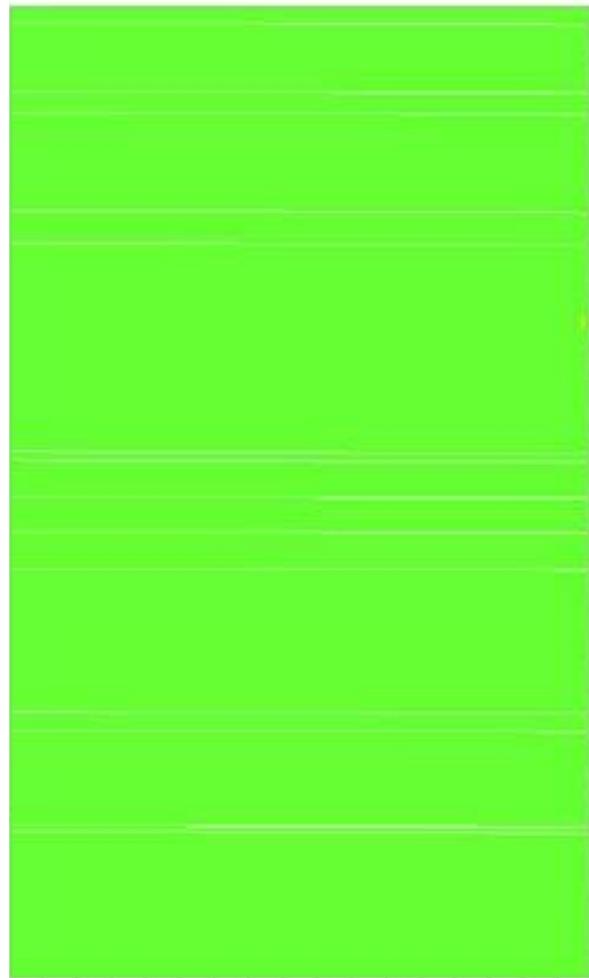
The First Eight Weeks – Northbound ETL Congestion Contours

I-405 NB ETL Lanes, Baseline

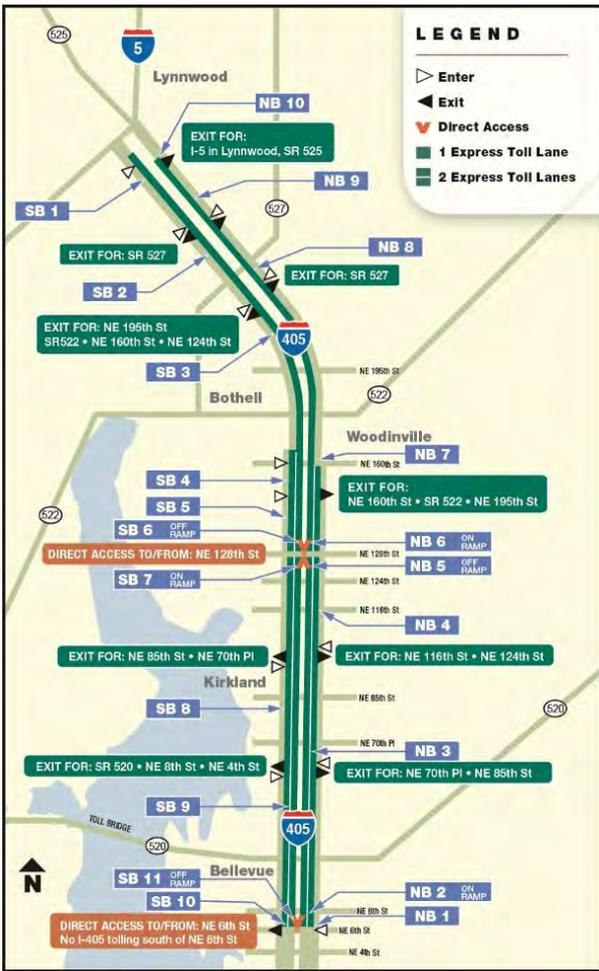


Midnight 7:00 AM Noon 5:00 PM Midnight

I-405 NB ETL Lanes, Week 1, 2015



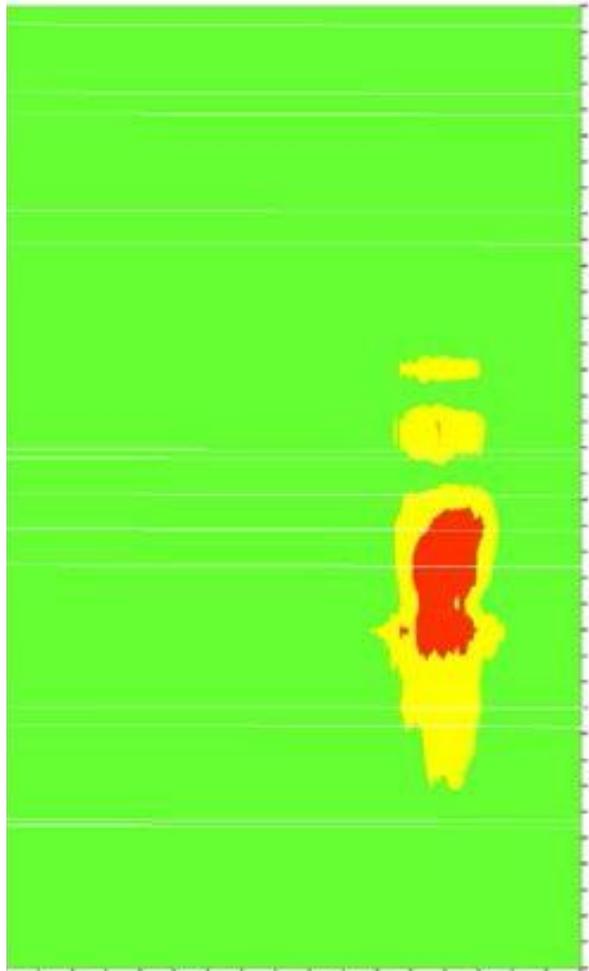
Midnight 7:00 AM Noon 5:00 PM Midnight



The First Eight Weeks – Northbound ETL

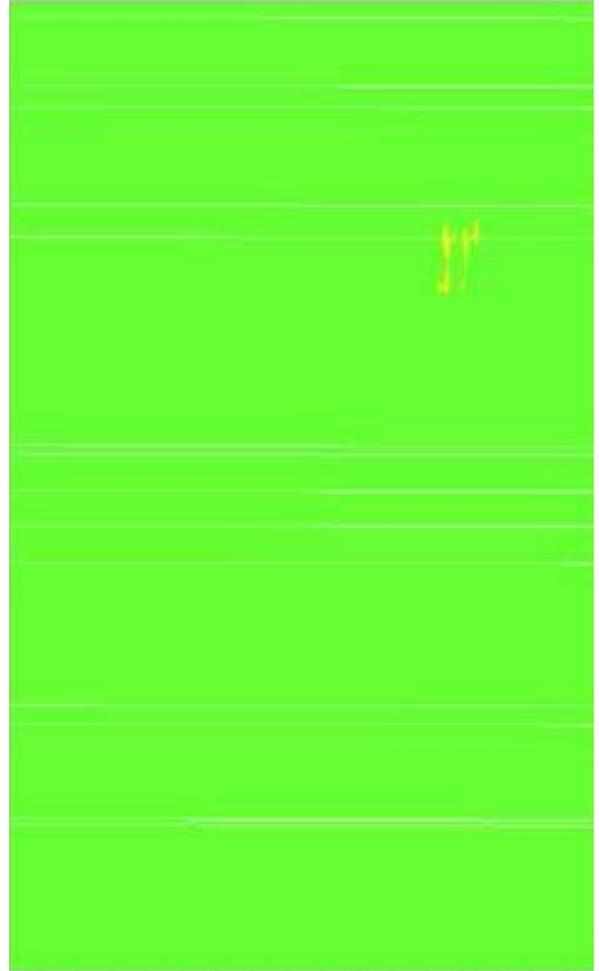
Congestion Contours

I-405 NB ETL Lanes,
Baseline

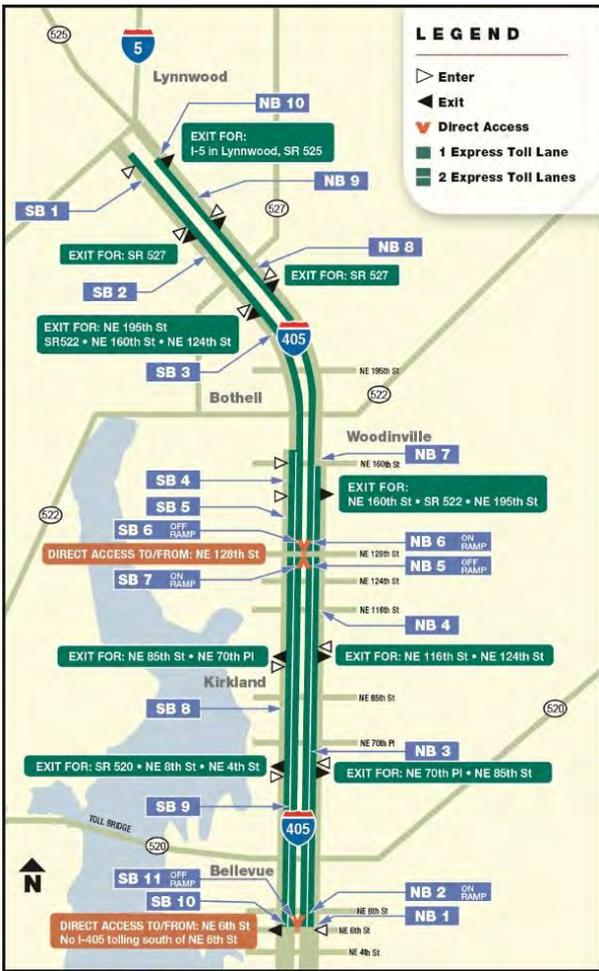


Midnight 7:00 AM Noon 5:00 PM Midnight

I-405 NB ETL Lanes,
Week 2, 2015

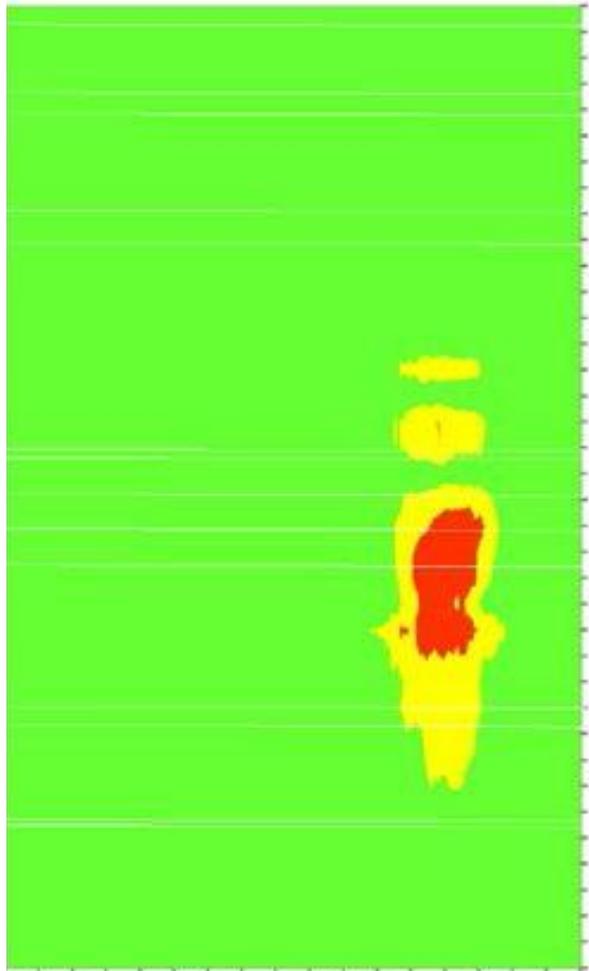


Midnight 7:00 AM Noon 5:00 PM Midnight



The First Eight Weeks – Northbound ETL Congestion Contours

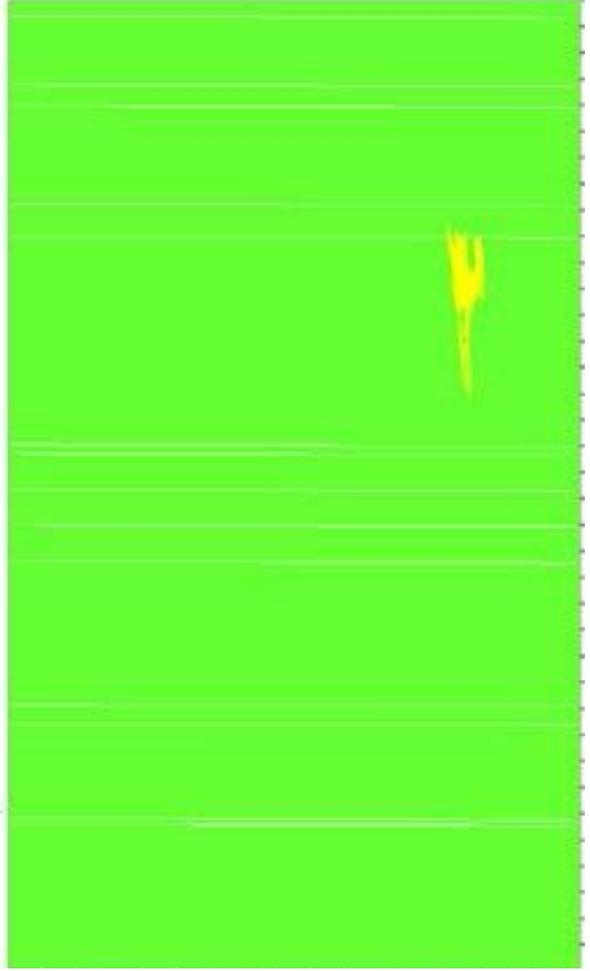
I-405 NB ETL Lanes, Baseline



Midnight 7:00 AM Noon 5:00 PM Midnight



I-405 NB ETL Lanes, Week 3, 2015

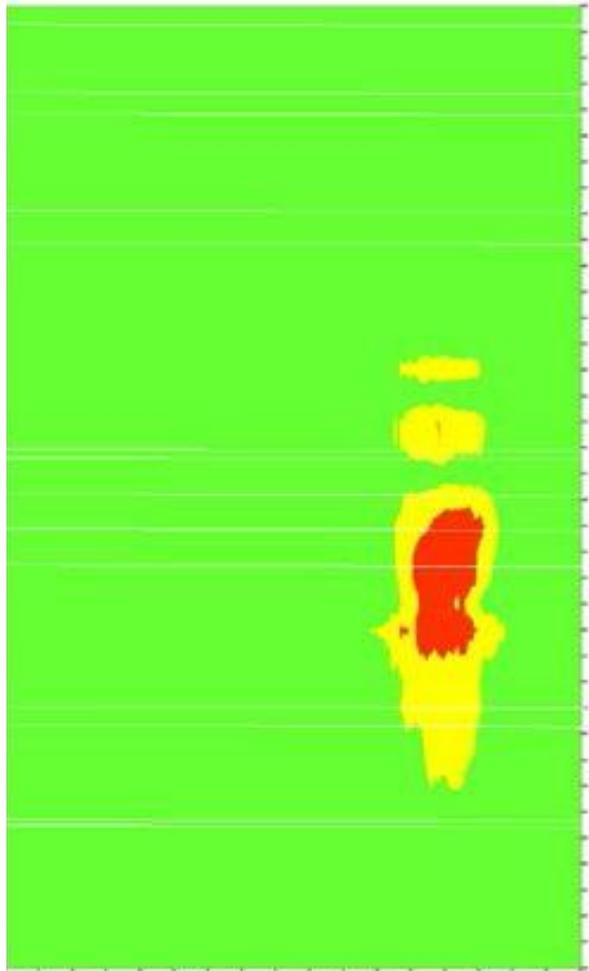


Midnight 7:00 AM Noon 5:00 PM Midnight

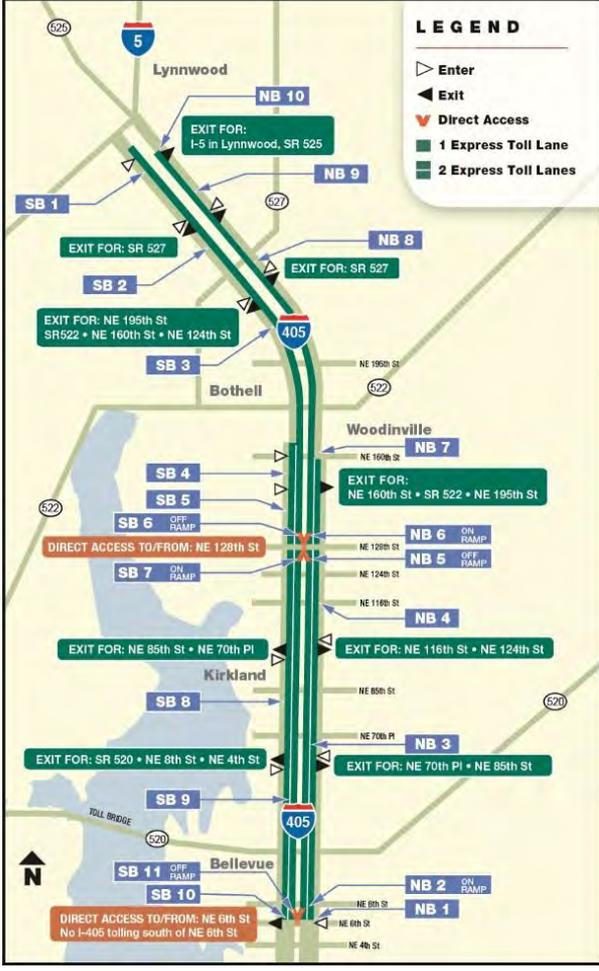
The First Eight Weeks – Northbound ETL

Congestion Contours

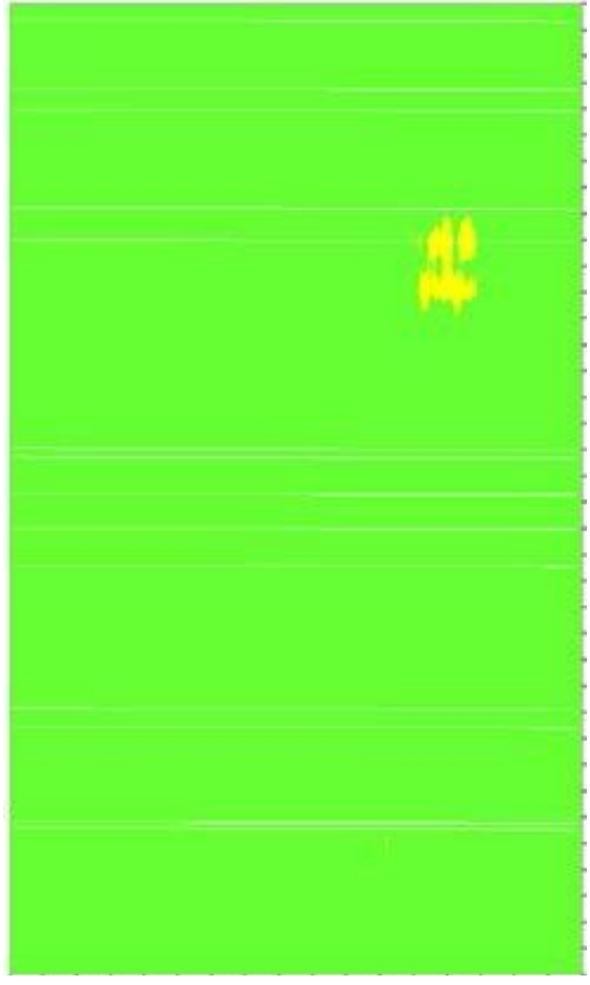
I-405 NB ETL Lanes,
Baseline



Midnight 7:00 AM Noon 5:00 PM Midnight



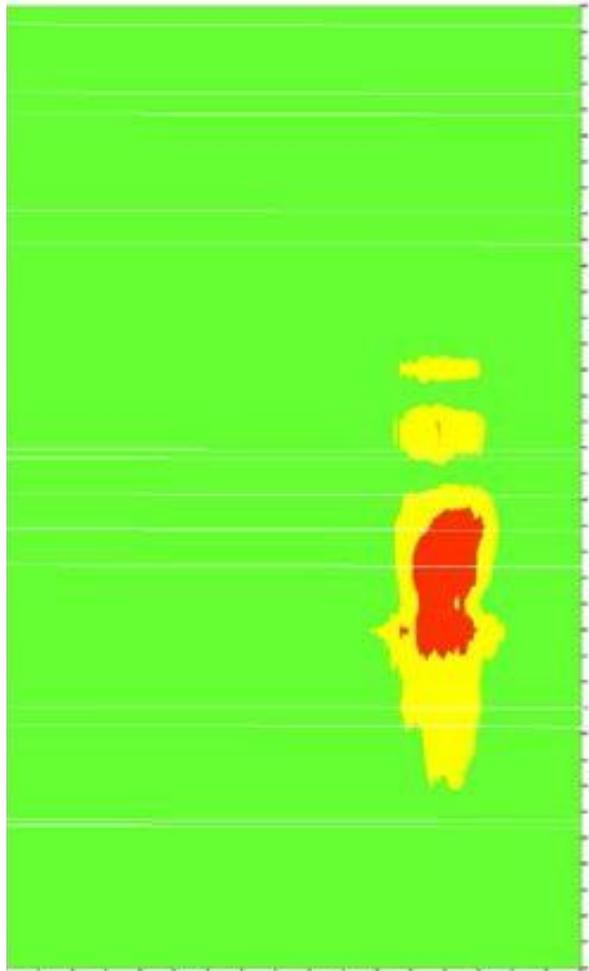
I-405 NB ETL Lanes,
Week 4, 2015



Midnight 7:00 AM Noon 5:00 PM Midnight

The First Eight Weeks – Northbound ETL Congestion Contours

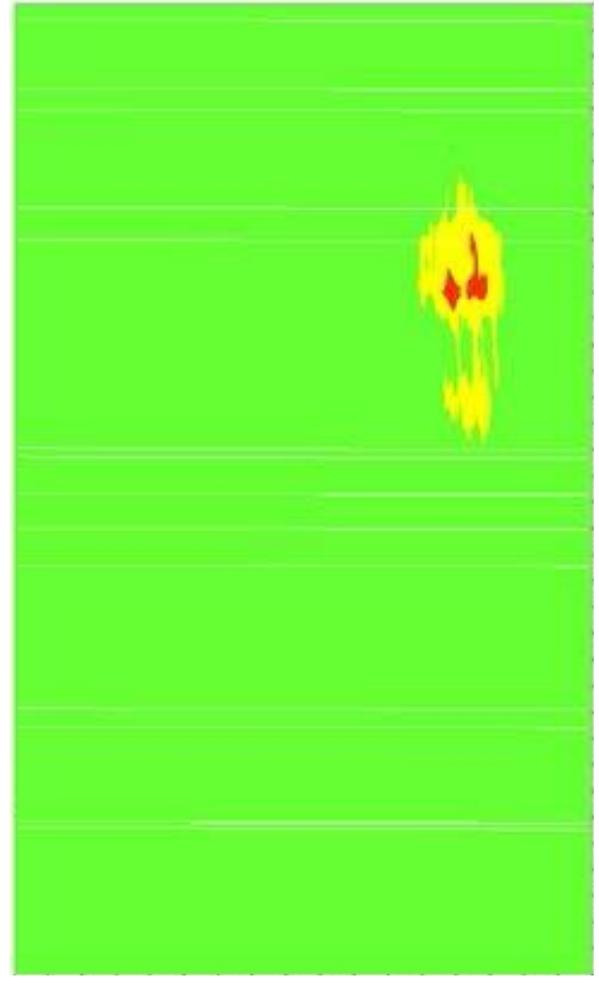
I-405 NB ETL Lanes, Baseline



Midnight 7:00 AM Noon 5:00 PM Midnight



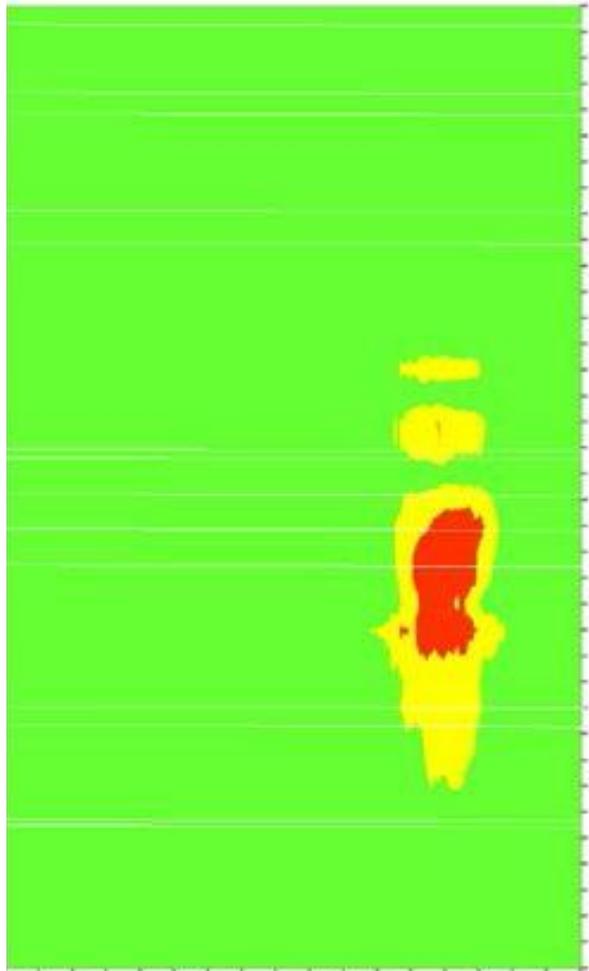
I-405 NB ETL Lanes, Week 5, 2015



Midnight 7:00 AM Noon 5:00 PM Midnight

The First Eight Weeks – Northbound ETL Congestion Contours

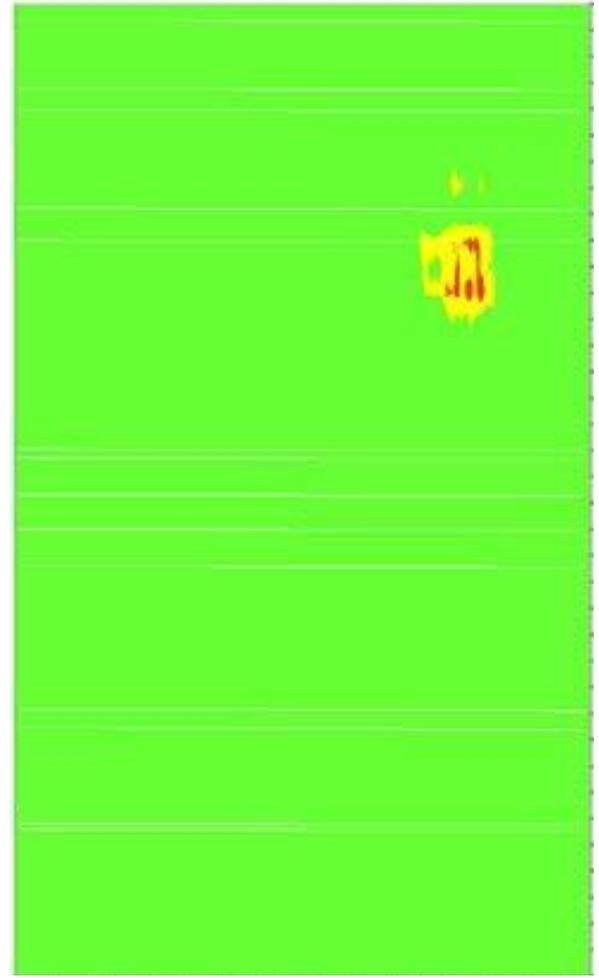
I-405 NB ETL Lanes, Baseline



Midnight 7:00 AM Noon 5:00 PM Midnight



I-405 NB ETL Lanes, Week 6, 2015

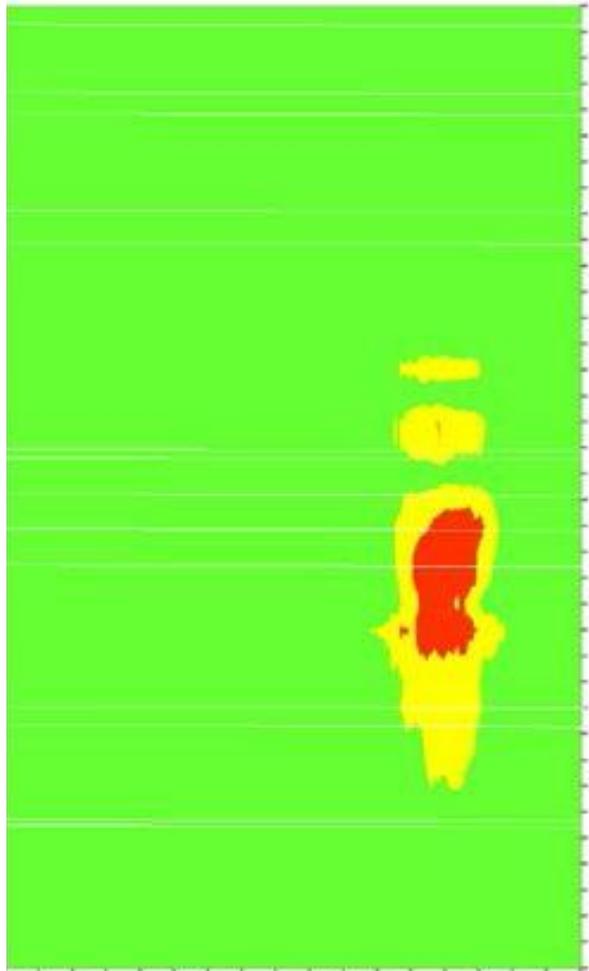


Midnight 7:00 AM Noon 5:00 PM Midnight

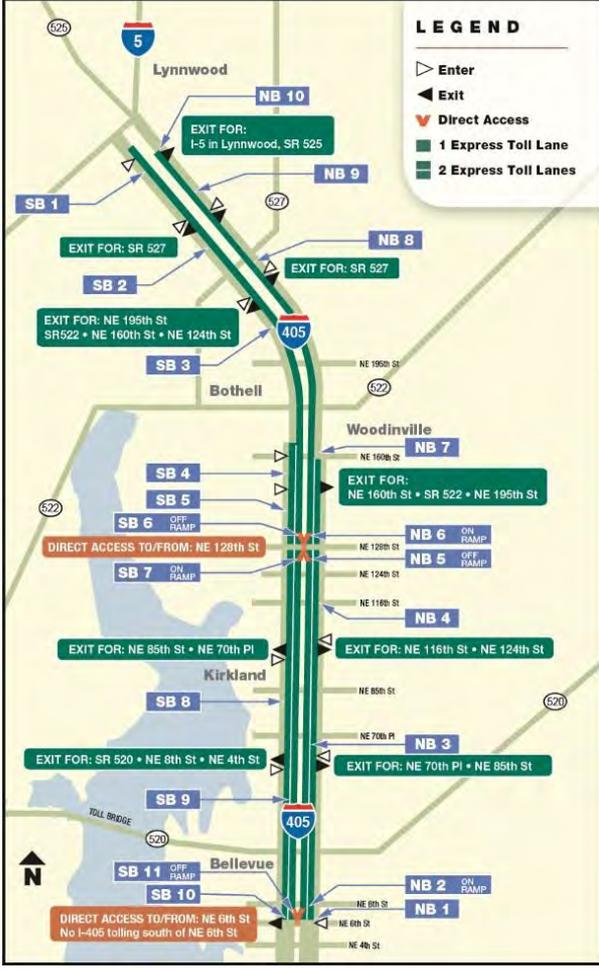
The First Eight Weeks – Northbound ETL

Congestion Contours

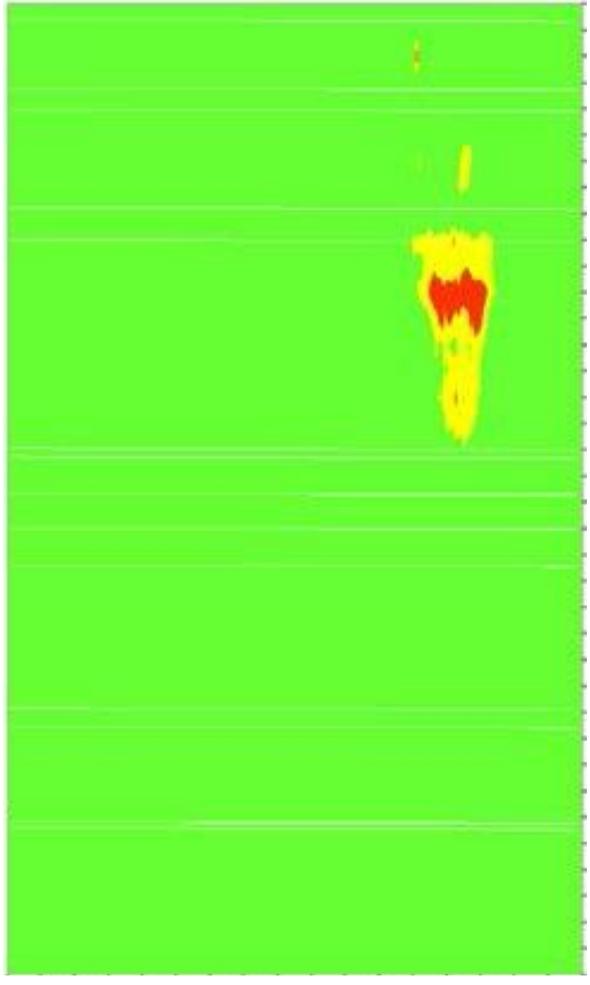
I-405 NB ETL Lanes,
Baseline



Midnight 7:00 AM Noon 5:00 PM Midnight



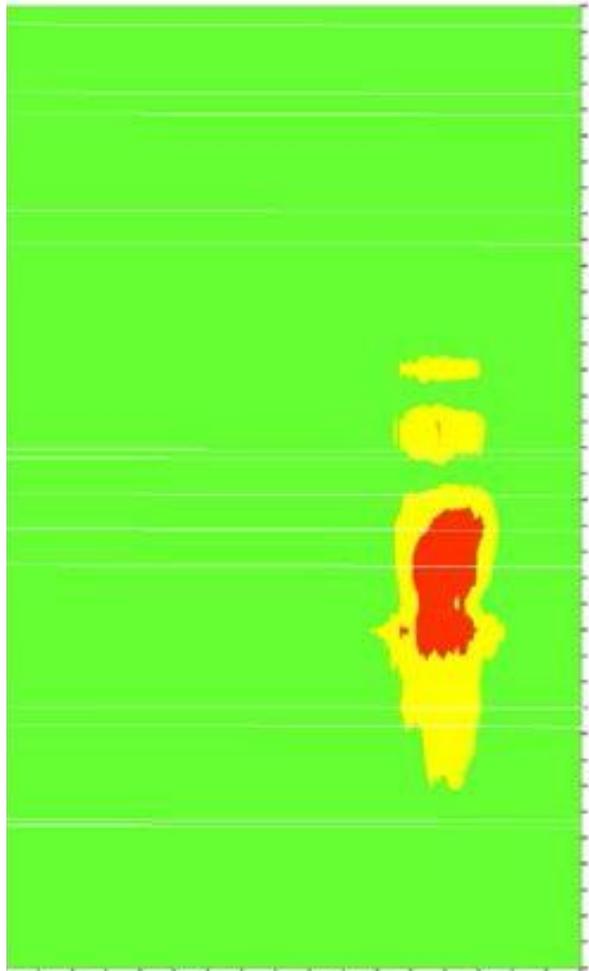
I-405 NB ETL Lanes,
Week 7, 2015



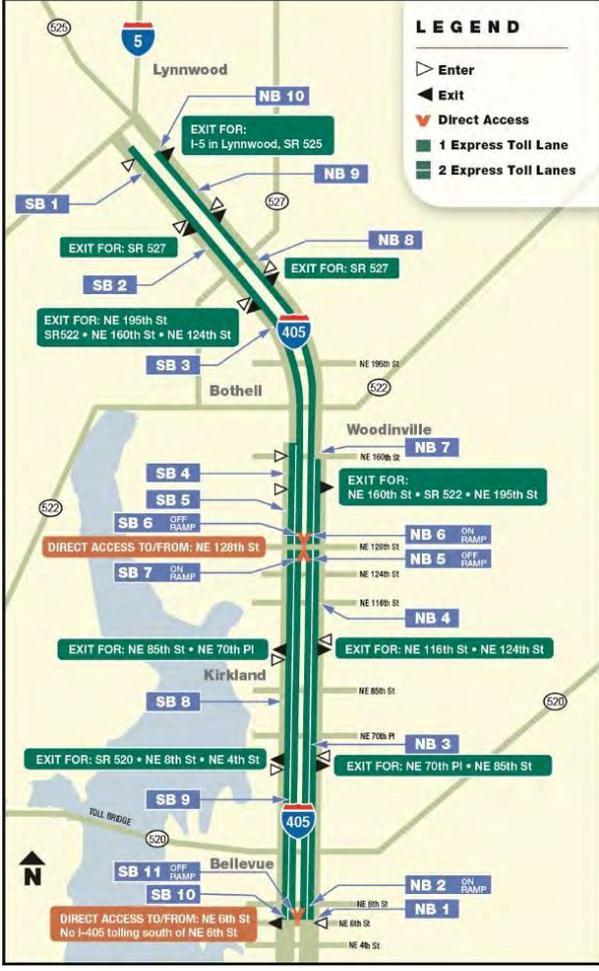
Midnight 7:00 AM Noon 5:00 PM Midnight

The First Eight Weeks – Northbound ETL Congestion Contours

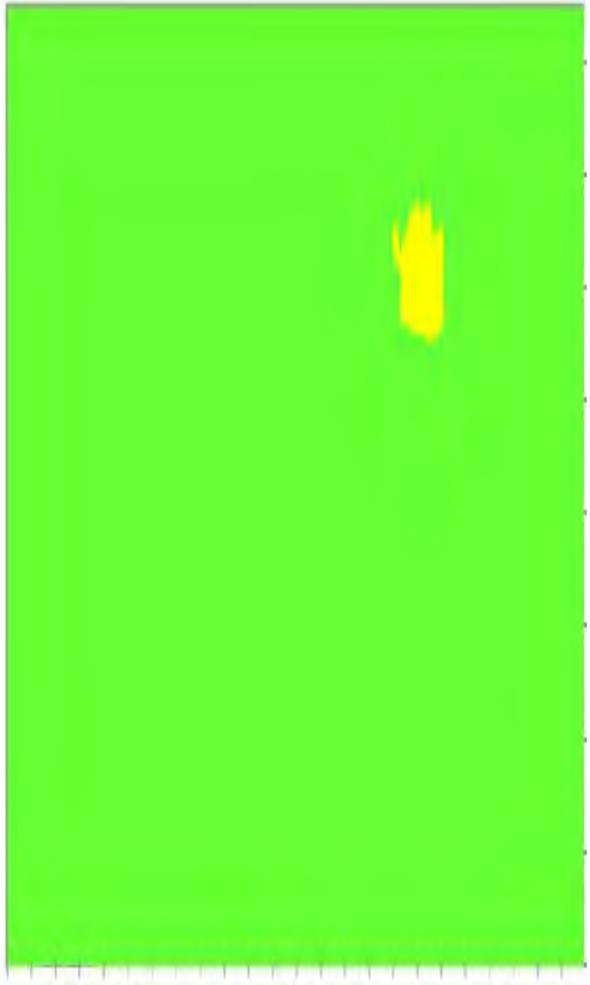
I-405 NB ETL Lanes, Baseline



Midnight 7:00 AM Noon 5:00 PM Midnight



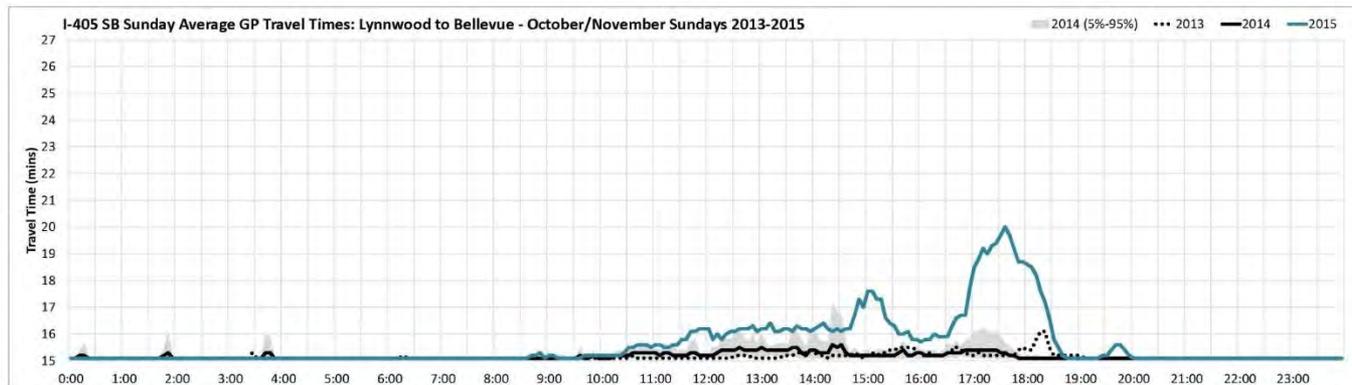
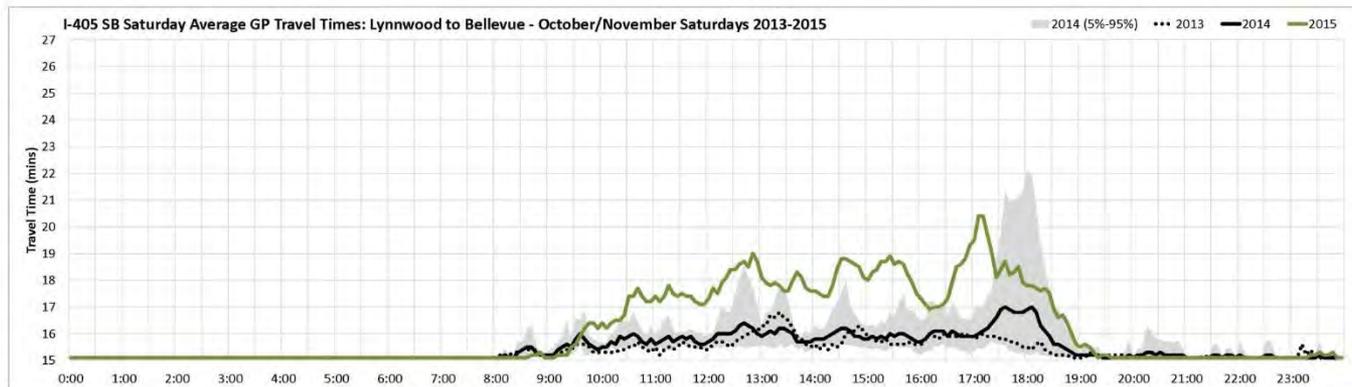
I-405 NB ETL Lanes, Week 8, 2015



Midnight 7:00 AM Noon 5:00 PM Midnight

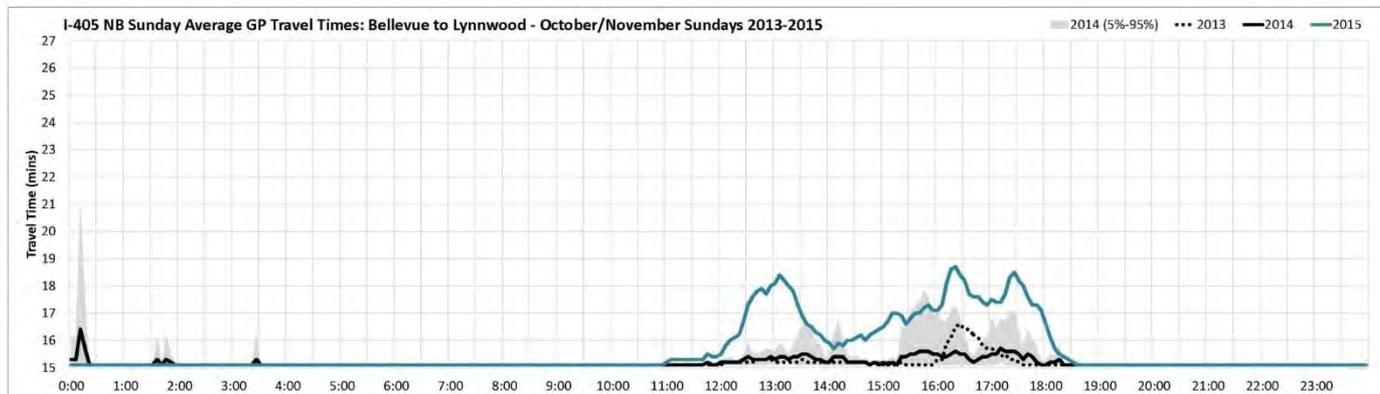
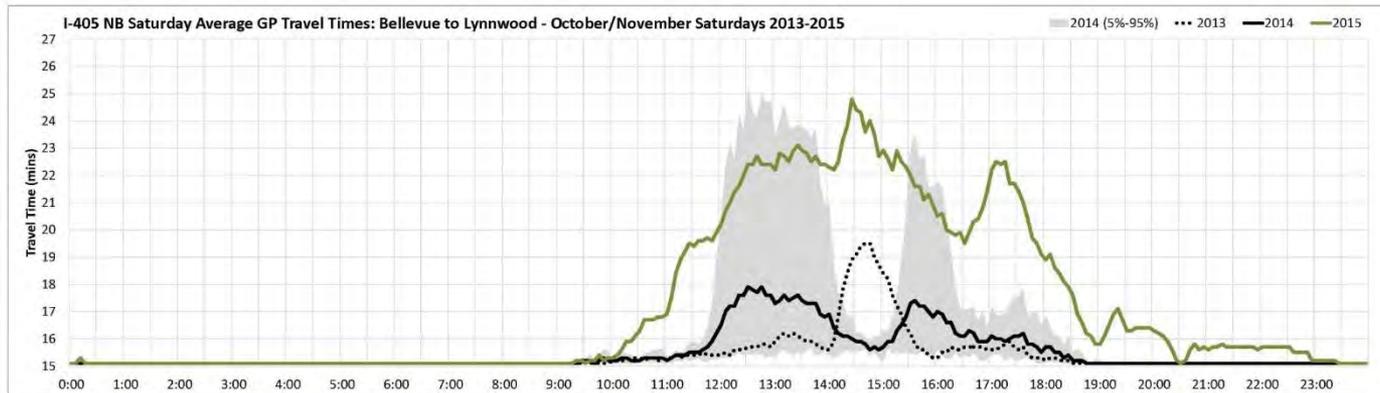
The First Eight Weeks— Southbound Weekend Travel Times

Weekend travel times have exceeded the baseline consistently through the second month of ETL operations.



The First Eight Weeks— Northbound Weekend Travel Times

Weekend travel times have exceeded the baseline consistently through the second month of ETL operations.



Local Agency Monitoring

- **Weekly Coordination Held During the First Two Months**
- **Local Agency Feedback**
 - Some concern about increased arterial traffic around Bothell and Woodinville during peak periods
 - Most agencies are not experiencing negative traffic impacts post tolling.
- **Volumes and Travel Times Monitored Pre and Post ETL Go Live**
 - Collected Pre-Go Live Volume and Travel Time Data in August 2015
 - Compared Travel Time with Driver Runs in November
 - Travel times appeared to increase during peak periods along Bothell Way and SR 202.
 - More detailed travel time and volume data will be collected in February 2016.



Transit and Vanpool Data

- **I-405 Transit Ridership**

- Community Transit operated routes have experienced a 12% increase in daily ridership during the first eight weeks compared to the same period in 2014.
- King County Metro operated routes experienced about a 5% increase in peak period ridership compared to the same period in 2014.

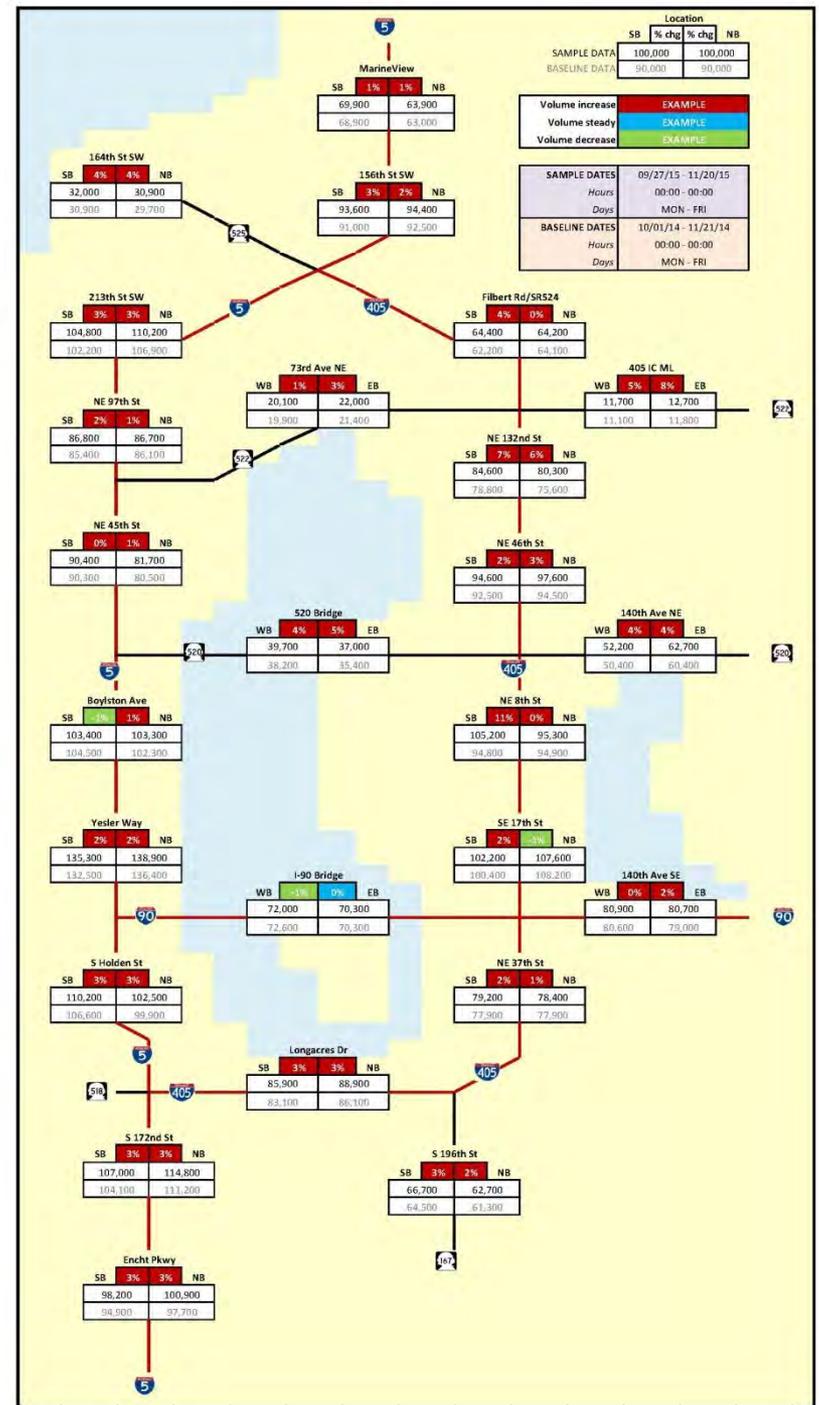
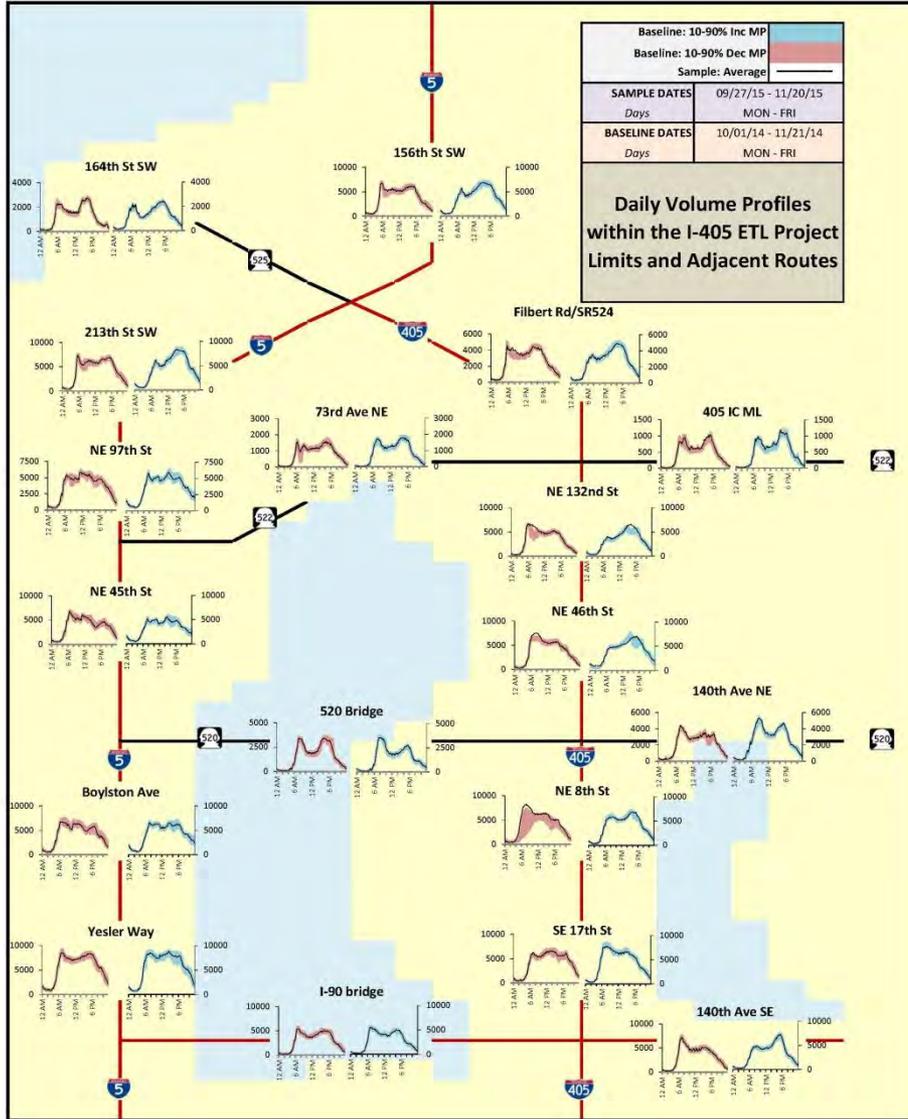
- **I-405 Transit Performance Reliability**

- Preliminary data from King County Metro showed an improvement in average on-time performance for the routes on I-405 comparing between August 2015 to October 2015.

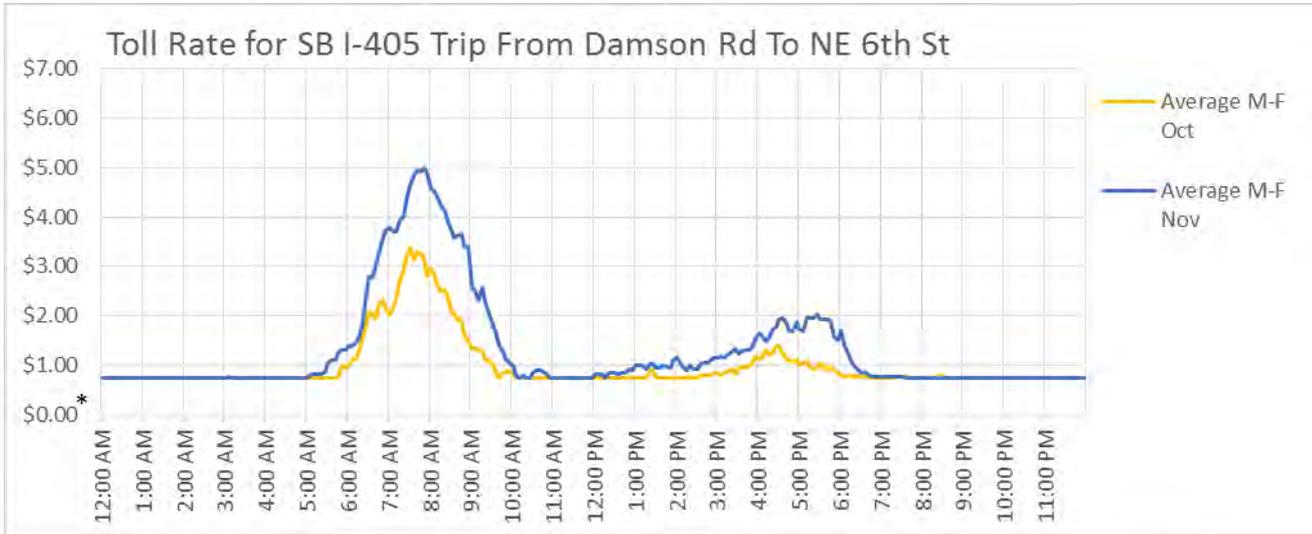
- **I-405 Vanpools**

- Vanpool trends appear to be stable. Both Community Transit and King County Metro vanpools have experienced steady growth over the last year.

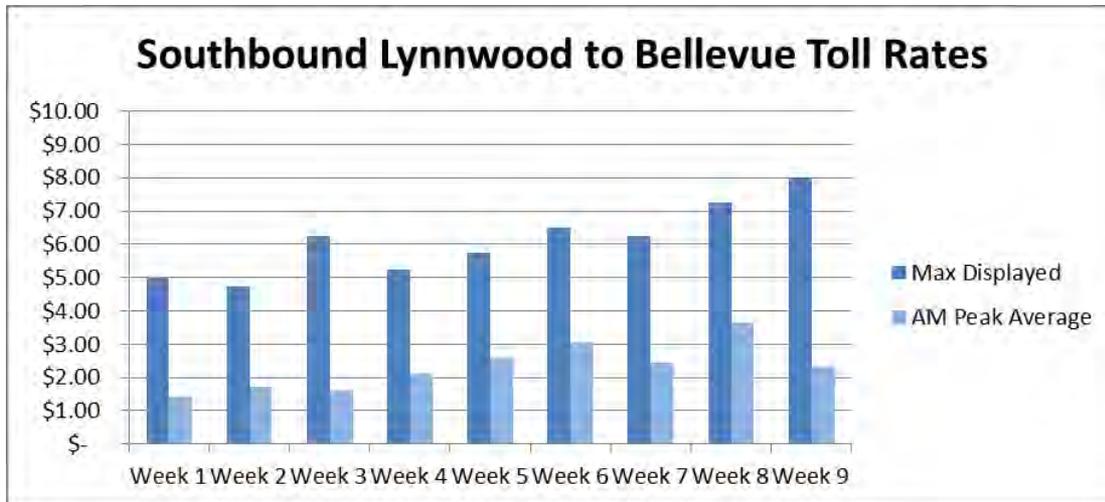
Traffic Volumes Across the Region



Toll Rates Displayed from the First Two Months – Southbound from Lynnwood to Bellevue

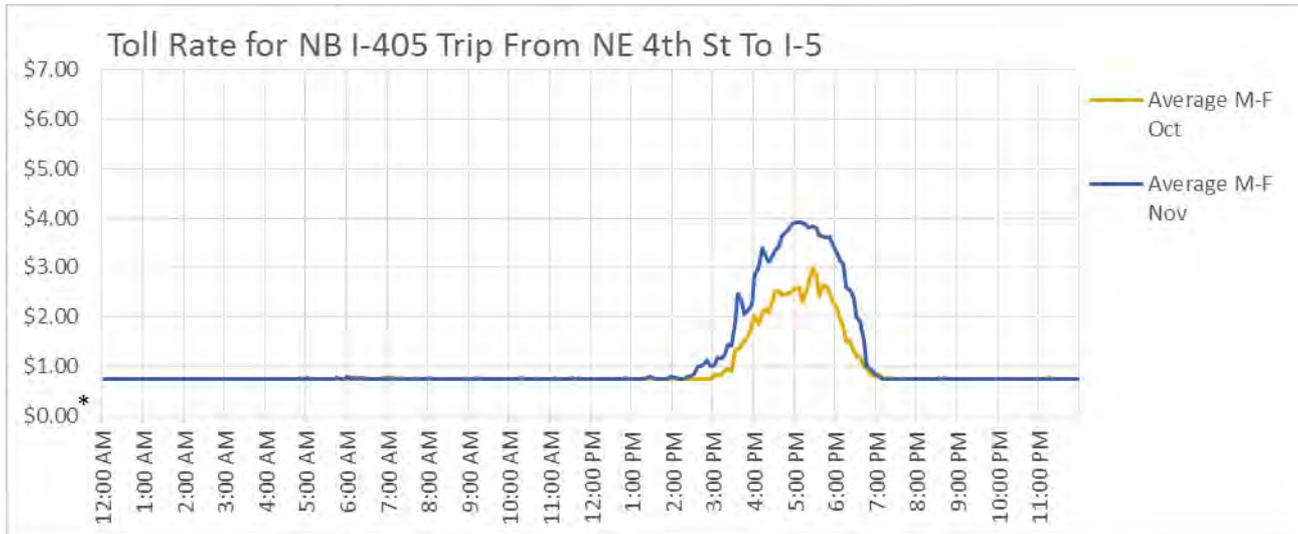


Weekday
Average
Toll Rates

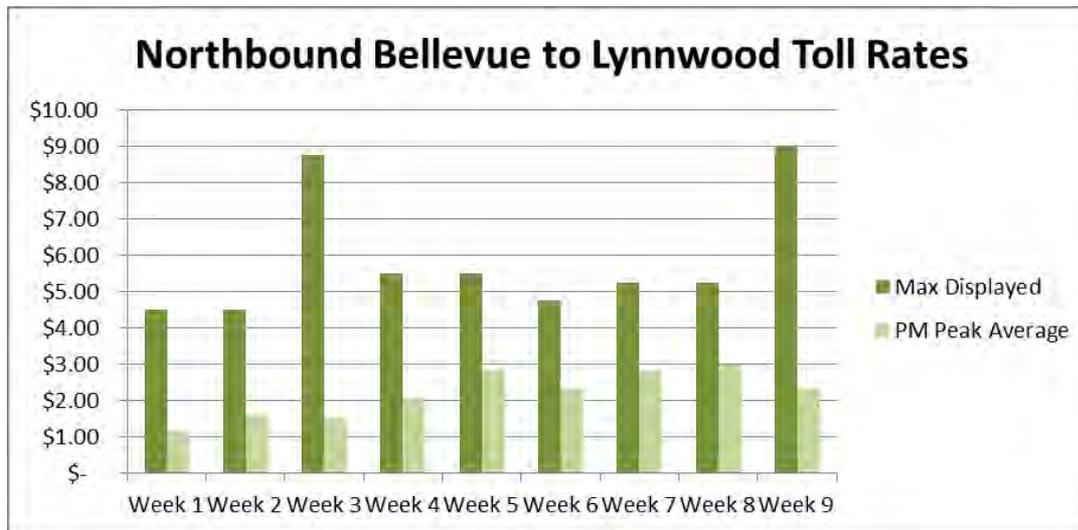


Daily Max and
AM Peak (5-9am)
Average Displayed
Toll Rates

Toll Rates Displayed from the First Two Months – Northbound from Bellevue to Lynnwood



Weekday
Average
Toll Rates



Daily Max and
PM Peak (3-7pm)
Average Displayed
Toll Rates

Modifications Underway

Changes already complete

- Express toll lane striping modifications at the southbound access at NE 160th
- NE 128th Direct Access
 - Changes to signal timing to address traffic backups
 - Ensure bus drivers are using the correct lane exiting northbound to access flyer stop

Next set of changes

- Toll rate algorithm adjustments in single lane section to address congestion occurring in the lane early in the morning.

Modifications Underway

Express toll lane striping modifications at the following locations to assist in improved access

- Northbound start @ NE 6th
 - Stenciling and extending dotted ingress area a few hundred feet
- Northbound terminus @ I-5
 - Pulling the double white stripe back about 400 feet to allow more room to merge to I-5
- Southbound south of SR 527
 - Pulling the double white stripe back about 500 feet to allow more room to merge
- Southbound terminus @ NE 6th
 - - add “EXIT ONLY” stenciling to drop lane
 - ❖ Outreach on the use of NE 6th Direct Access

Continuing to monitor access points

- Northbound north of SR 520
- Northbound north of 195th
- Southbound south of SR 527
- Southbound south of 195th up to NE 160th

Questions?

For more information regarding the I-405 Express
Toll Lanes, please contact:

Patty Rubstello
Assistant Secretary, Toll Division
(206) 464-1299 or RubsteP@wsdot.wa.gov

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goodtogotolling@wsdot.wa.gov