

I-64 Incident Command Monthly Report February 2009

AM and PM Peak Periods

Incident Management

Overall, in February, there were over 933 lanes blocked by incidents, a decrease from January 2009.

With traffic volumes relatively stabilized, the main contributing factor that impacts the freeways is incidents or weather.

Freeway Management

In general, a.m. rush hour period peaked during the 7 o'clock hour. The p.m. rush hour period appeared to be lighter in congestion than normal except for incident impacts.

I-70 Reversible Lanes

The reversible lanes on I-70 have traditionally operated in the eastbound direction during the a.m. hours, and in the westbound direction during the p.m. hours. Their operation was switched on January 8, 2008, to mitigate significant travel delays in the westbound direction during the a.m. peak, and in the eastbound direction during the p.m. peak.

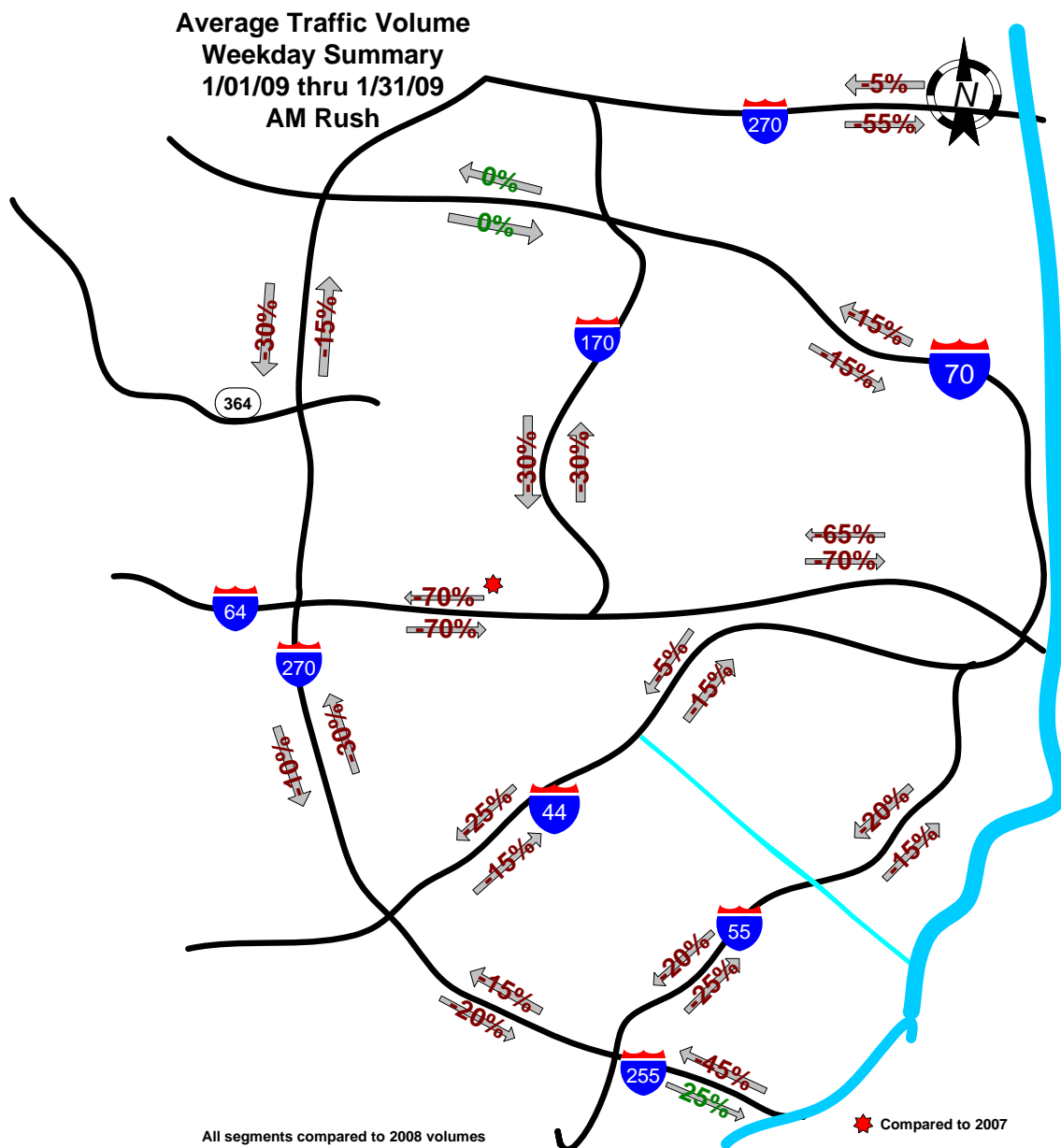
After the start of east half closures for the I-64 reconstruction, volumes and travel times were studied. The operation of the Reversible Lanes were set to be in the eastbound direction at all times starting January 22, 2009. Observations after the change indicate little to no impact to the westbound a.m. traffic is being experienced. The lanes will be reversed as needed for incidents or other events deeming the westbound direction appropriate. The volumes and travel times will continue to be monitored for changes.

Conclusion:

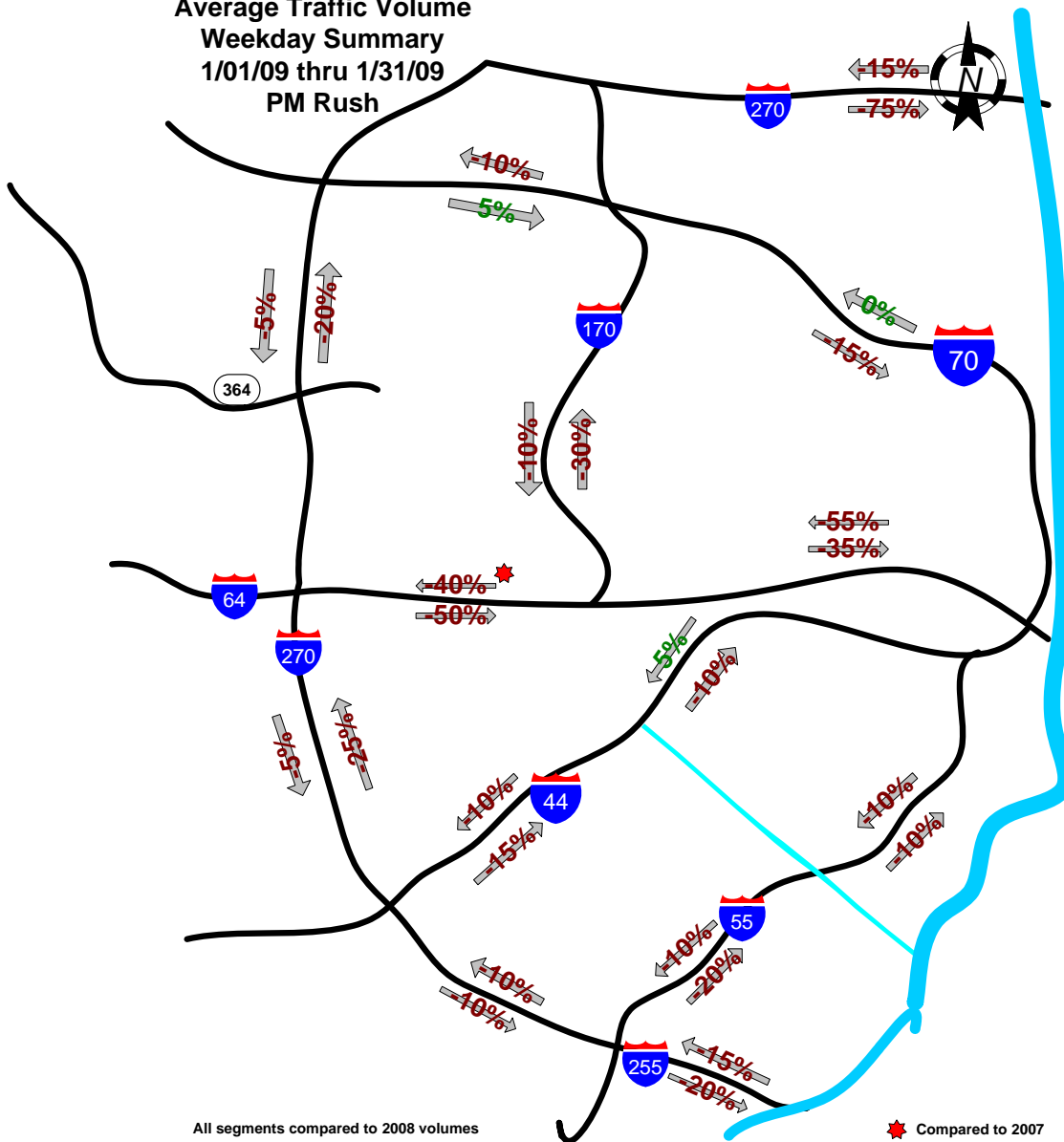
- Westbound a.m. volume was 1507 vehicles higher than eastbound a.m. volume, an average of 376 vehicles per each hour during the peak rush period.
- Eastbound p.m. volume was 1678 vehicles higher than westbound p.m. volume, an average of 420 vehicles per each hour during the peak rush period.

Regional Average Traffic Volume Comparisons

Following are map views of the Average Monthly Traffic Volumes (AM and PM Rush periods) compared to average baseline volumes from 2008 (annual average). The percentage change was derived using data from MoDOT sensors and Traffic.com sensors.



Average Traffic Volume
 Weekday Summary
 1/01/09 thru 1/31/09
 PM Rush

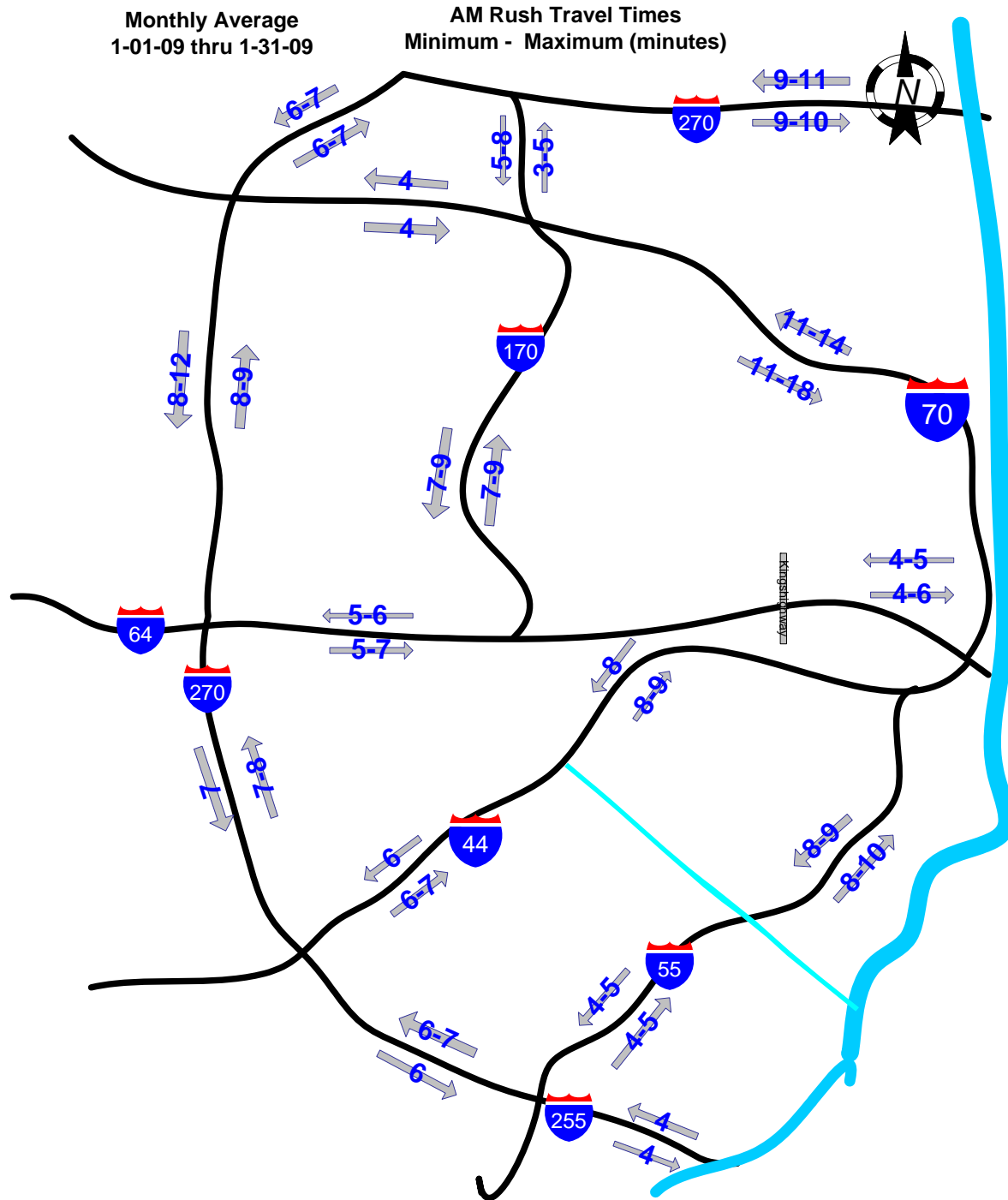


All segments compared to 2008 volumes

★ Compared to 2007

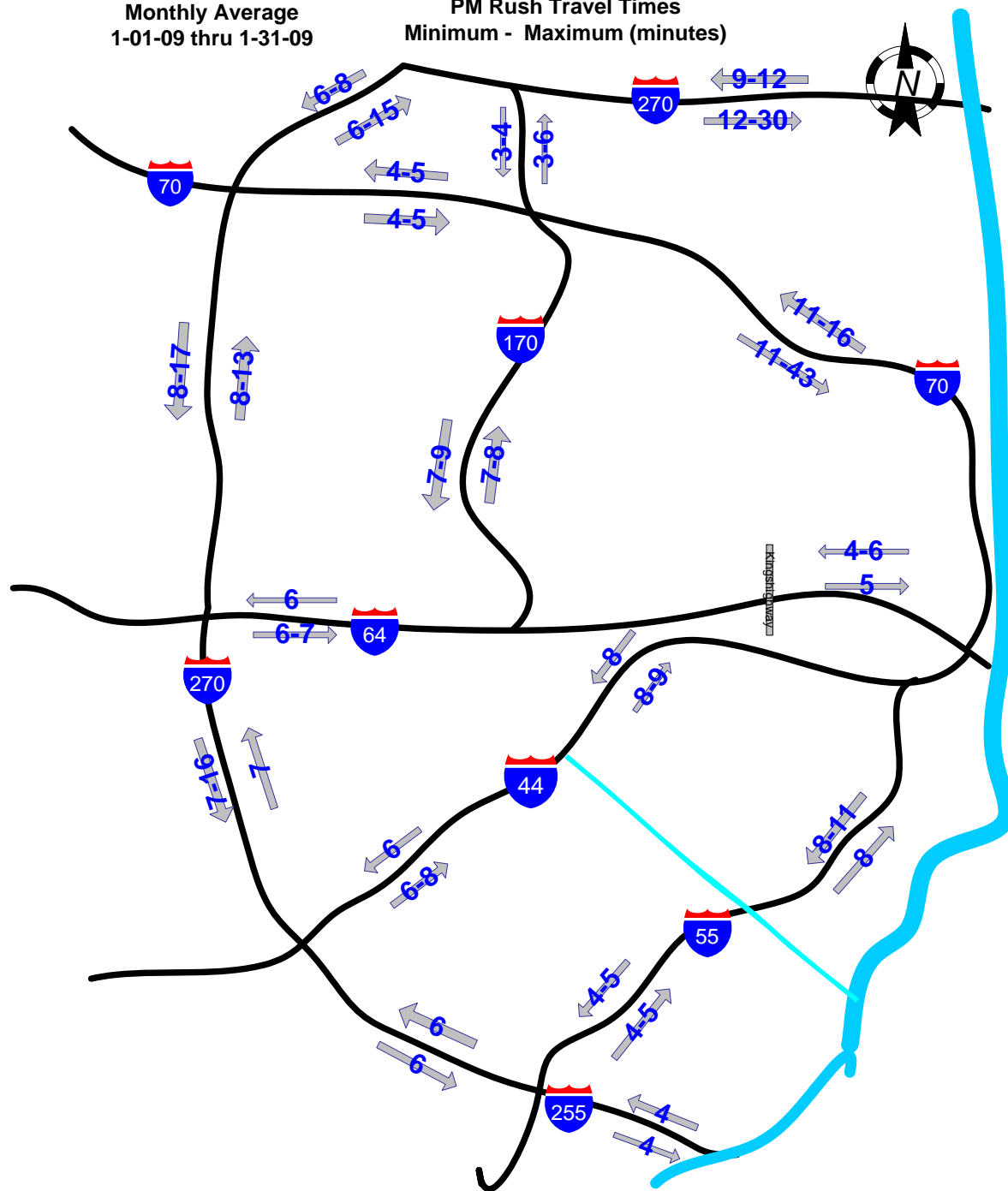
Regional Travel Times

Following are maps that depict the Average Travel Time experienced including days where impacting events occurred. There is a map for the AM Rush Period and the PM Rush Period.



Monthly Average
1-01-09 thru 1-31-09

PM Rush Travel Times
Minimum - Maximum (minutes)



Arterial Roads

Morning

- Morning rush hour peak is from 7:30 AM to 8:30 AM

Evening

- Evening rush hour peak is from 4:30 PM to 5:30 PM

Major observations:

Arterial volumes east of 170 are generally up on all routes in the primary peak directions.

Routes west of 170 are down, with the exception of MO Route 340 (Olive).

Friday and Saturday evenings seem to have a peak on Forest Park Parkway due to this being an alternative route to events such as Blues Hockey, theater and concert events, etc. St. Louis City has counters on Forest Park Parkway and will leave these throughout the duration of the closure, to be able to monitor traffic volumes and peaks, and be able to implement signal plans accordingly.

Major observations from St. Louis County Highways and Traffic Department:

MORNING RUSH PERIOD

Forest Park Parkway at Big Bend – eastbound increased by 53% from 1,125 to 1,726 vehicles during the peak hour and westbound increased by 77% from 1,175 to 2,075 vehicles during the peak hour.

Brentwood Blvd. At Manchester Road – southbound increased by 19% from 980 to 1,167 vehicles during the peak hour and northbound increased by 3% from 1,505 to 1,552 vehicles during the peak hour.

EVENING RUSH PERIOD

Forest Park Parkway at Big Bend – eastbound increased by 28% from 1,210 to 1,548 vehicles during the peak hour and westbound increased by 49% from 1,030 to 1,805 vehicles during the peak hour.

Brentwood Blvd. At Manchester Road – southbound increased by 28% from 1,720 to 2,200 vehicles during the peak hour and northbound increased by 5% from 1,055 to 1,112 vehicles during the peak hour.

24-HOUR VOLUME CHANGES

Forest Park Parkway at Big Bend - increased by 88% from 27,010 to 50,805 vehicles per day.

Brentwood Blvd. At Manchester Road – increased by 1% from 33,390 to 33,715 vehicles per day.

The following information is reported by MoDOT and St. Louis City:

Travel Times for February 2009 Routes East of I-170

Summary of Evening Rush Period Travel Times					
Segment	Travel Times				
	Before	Jan ave	Feb ave	Mar ave	Apr ave
East-West Routes					
Manchester EB – Brentwood to Kingshighway	N/A	13	14		
Manchester WB – Kingshighway to Brentwood	15	16	16		
Forest Park Parkway EB– Skinker to Grand	9	8	8		
Forest Park Parkway WB – Grand to Skinker	11	14	12		
Page EB – 170 to Grand	20	20	18		
Page WB – Grand to 170	21	17	23		
North-South Routes					
Skinker/McCausland NB – Lansdowne to Page	20	15	15		
Skinker/McCausland SB – Page to Lansdowne	21	18	17		
Kingshighway – NB Vandeventer to Page	14	12	10		
Kingshighway SB – Page to Vandev.	12	12	16		

Summary of Morning Rush Period Travel Times					
Segment	Travel Times				
	Before	Jan ave	Feb ave	Mar ave	Apr ave
East-West Routes					
Manchester EB – Brentwood to Kingshighway	13	32	15		
Manchester WB – Kingshighway to Brentwood	N/A	14			
Forest Park Parkway EB– Skinker to Grand	8	9	9		
Forest Park Parkway WB – Grand to Skinker	9	11	11		
Page EB – 170 to Grand	21	16	17		
Page WB – Grand to 170	N/A	17			
North-South Routes					
Skinker/McCausland NB – Lansdowne to Page	18	16	16		
Skinker/McCausland SB – Page to Lansdowne	18	15	15		
Kingshighway – NB Vandeventer to Page	12	8	12		
Kingshighway SB – Page to Vandeventer	14	6	9		

Routes West of I-170

Summary of Evening Rush Period Travel Times					
Segment	Travel Times				
	Before	Jan ave	Feb ave	Mar ave	Apr ave
East-West Routes					
Page Avenue EB – 270 to 170	N/A	11	13		
Page Avenue WB – 170 to 270	13	10	10		
Olive EB – 270 to 170	N/A	11	11		
Olive WB – 170 to 270	15	11	9		
Manchester EB – 270 to Brentwood	N/A	14	11		
Manchester WB – Brentwood to 270	15	12	13		

Summary of Morning Rush Period Travel Times					
Segment	Travel Times				
	Before	Jan ave	Feb ave	Mar ave	Apr ave
East-West Routes					
Page Avenue EB – 270 to 170	13	8	8		
Page Avenue WB – 170 to 270	N/A	9	9		
Olive EB – 270 to 170	16	9	10		
Olive WB – 170 to 270	N/A	9	9		
Manchester EB – 270 to Brentwood	13	11	12		
Manchester WB – Brentwood to 270	N/A	12	11		

Traffic Volumes AM Peak Period

MO 100 at US 67	Volumes cont to be down ave of 5%
US 67 at MO 100	Volumes cont to be down ave of 45%
MO 340 at Old Olive East	Volume up about 50 %
Route D at Ferguson	Volumes up about 30%
Route 340 at Ferguson	Volumes up about 20%
Route 100 at Macklind	Volumes up about 60%

Forest Park Parkway just e/o Skinker – EB	+68%
Forest Park Parkway just e/o Skinker – WB	+31%
Skinker just n/o Clayton – NB	+46%
Skinker just n/o Clayton – SB	+20%

Traffic Volumes PM Peak Period

MO 100 at US 67	Volumes cont to be down ave of 25%
US 67 at MO 100	Volumes cont to be down ave of 50%
MO 340 at Old Olive East	Volumes up about 60%
Route D at Ferguson	Volumes up about 35%
Route 340 at Ferguson	Volumes up about 20%
Route 100 at e/o Macklind	Volumes up about 25%

Forest Park Parkway just e/o Skinker – EB	+13%
Forest Park Parkway just e/o Skinker – WB	+22%
Skinker just n/o Clayton – NB	+4%
Skinker just n/o Clayton – SB	+57%