

I-64 Incident Command Monthly Report January 2008

AM and PM Peak Period

Rush Period

- Morning
 - After closure rush = 6-9 a.m. / Before closure rush = 6:30-8:30 a.m.
 - Travel times peaked from 6:30-8:30 a.m. on interstates and 7:30-8:30 a.m. on arterials
- Evening
 - After closure rush = 3:30 – 6:30 p.m. / Before closure rush = 4-6 p.m.
 - Travel times peaked from 5 – 6 p.m. on interstates and 4:30-5:30 p.m. on arterial roads

Interstates

The following segments are a representation of the traffic volume changes and travel times during the AM and PM rush periods. Attached are detailed charts for each interstate.

Summary of Morning Rush Period:					
Segment	Peak HR Vol percent change	Peak Hour Volume		Travel Times	
		Before	January	Before	January
I-270 westbound at Chain of Rocks	30%	4099	5231	10min	9-11min
I-270 northbound from I-55 to I-44	10%	4620	4990	6min	6-10min
I-270 northbound from I-44 to I-64	25%	4778	5953	7min	7-9min
I-255 eastbound at Jefferson Barracks	80%	1088	1976	4min	4min
I-70 eastbound from I-270 to I-170	15%	3236	3759	4min	4min
I-70 eastbound from I-170 to downtown	-5%	4421	4113	11min	11-16min
I-44 eastbound from I-270 to downtown	-20%	7180	5806	16min	14min

Summary of Evening Rush Period:					
Segment	Peak HR Vol percent change	Peak Hour Volume		Travel Times	
		Before	January	Before	January
I-270 eastbound at Chain of Rocks	40%	4398	6148	12min	12-22min
I-270 southbound from I-64 to I-44	5%	5366	5629	9min	7-19min
I-255 eastbound at Jefferson Barracks	-45%	2693	1548	4min	4min
I-70 westbound from I-270 to I-170	60%	2875	3596	4min	4min
I-70 westbound from I-170 to downtown	-20%	5357	4409	12min	11-18min
I-44 westbound from I-270 to downtown	20%	7984	9349	16min	14-16min

I-70 Reversible Lanes

The Interstate 70 reversible lanes were changed on January 8 to respond to changing traffic patterns and travel times following the closure of Interstate 64 on January 2. The reversibles now operate westbound in the morning and eastbound in the evening.

MoDOT has monitored the travel times to confirm this is the right decision.

The morning travel times for both east and westbound traffic from the city limits to downtown have continued to be less than 10 minutes.

The eastbound I-70 travel time in the evening has dropped from an average of 35 minutes to 15 minutes or less.

MoDOT will continue to monitor the travel times in the reversibles and make changes if these patterns change.

January volume data in the section of I-70 including the reversibles.

(These volumes represent the peak hour volume in the morning and the evening.)

Average one hour volume (7-8 a.m.)

Goodfellow to PSB Eastbound AM = 3900

PSB to Goodfellow Westbound AM = 4700

Average one hour volume (3:45-5:45 p.m.)

PSB to Goodfellow Westbound PM = 4100

Goodfellow to PSB Eastbound PM = 4400

In summary:

Westbound AM is 800 vehicles higher than Eastbound AM

Eastbound PM is 300 vehicles higher than Westbound PM

October 2007 volume data before we closed I-64.

Average one hour volume (7-8 a.m.)

Goodfellow to PSB Eastbound AM = 5200 vehicles per hour

PSB to Goodfellow Westbound AM = 5000 vehicles per hour

Average one hour volume (3:45-5:45 p.m.)

PSB to Goodfellow Westbound PM = 5100 vehicles per hour

Goodfellow to PSB Eastbound PM = 5000 vehicles per hour

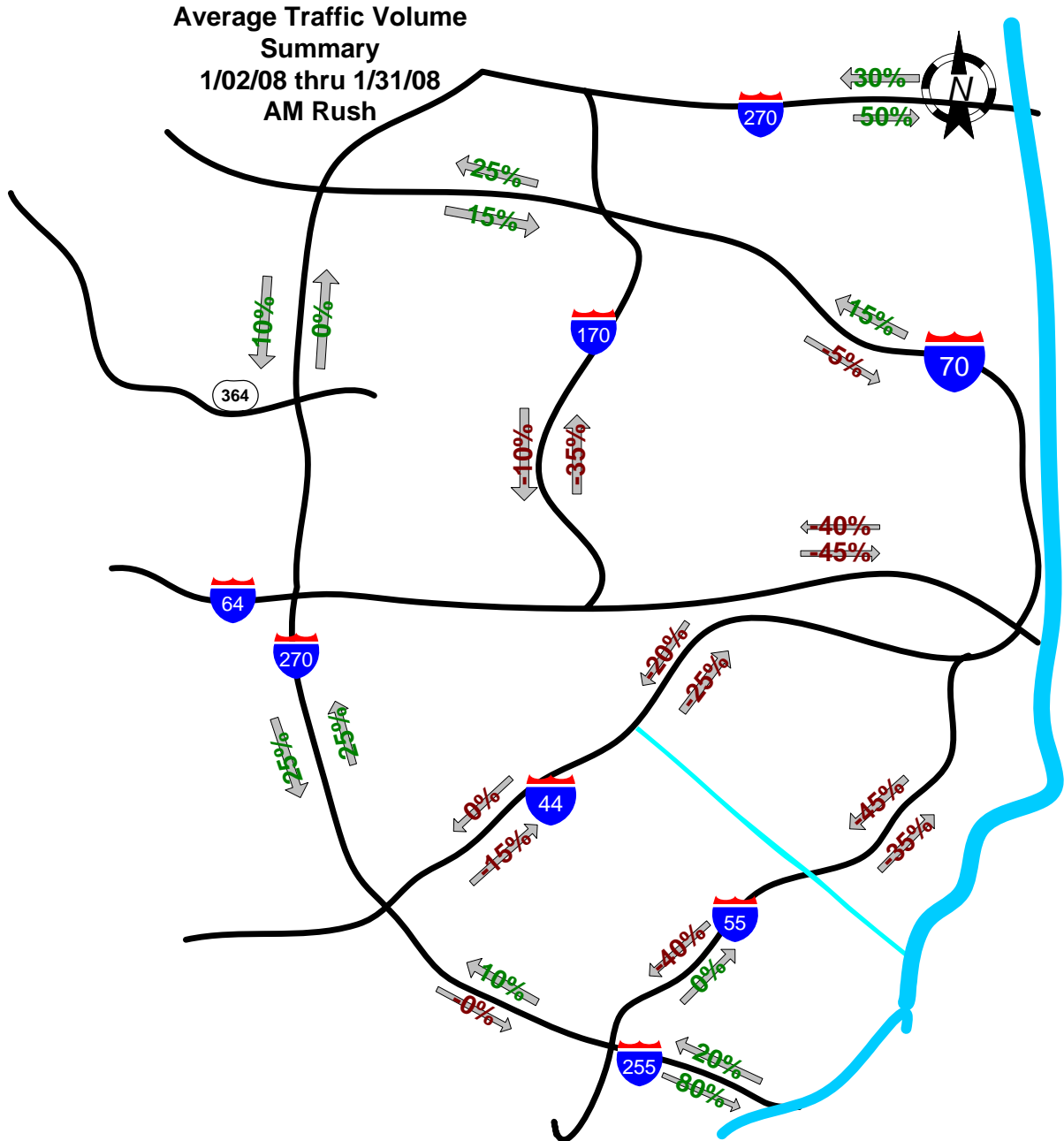
In summary before the I-64 closure:

Eastbound AM was approximately 200 vehicles higher than Westbound AM

Westbound PM was approximately 100 vehicles higher than Eastbound PM

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 October 2007. The percentage change was derived using data from MoDOT sensors and Traffic.com sensors.

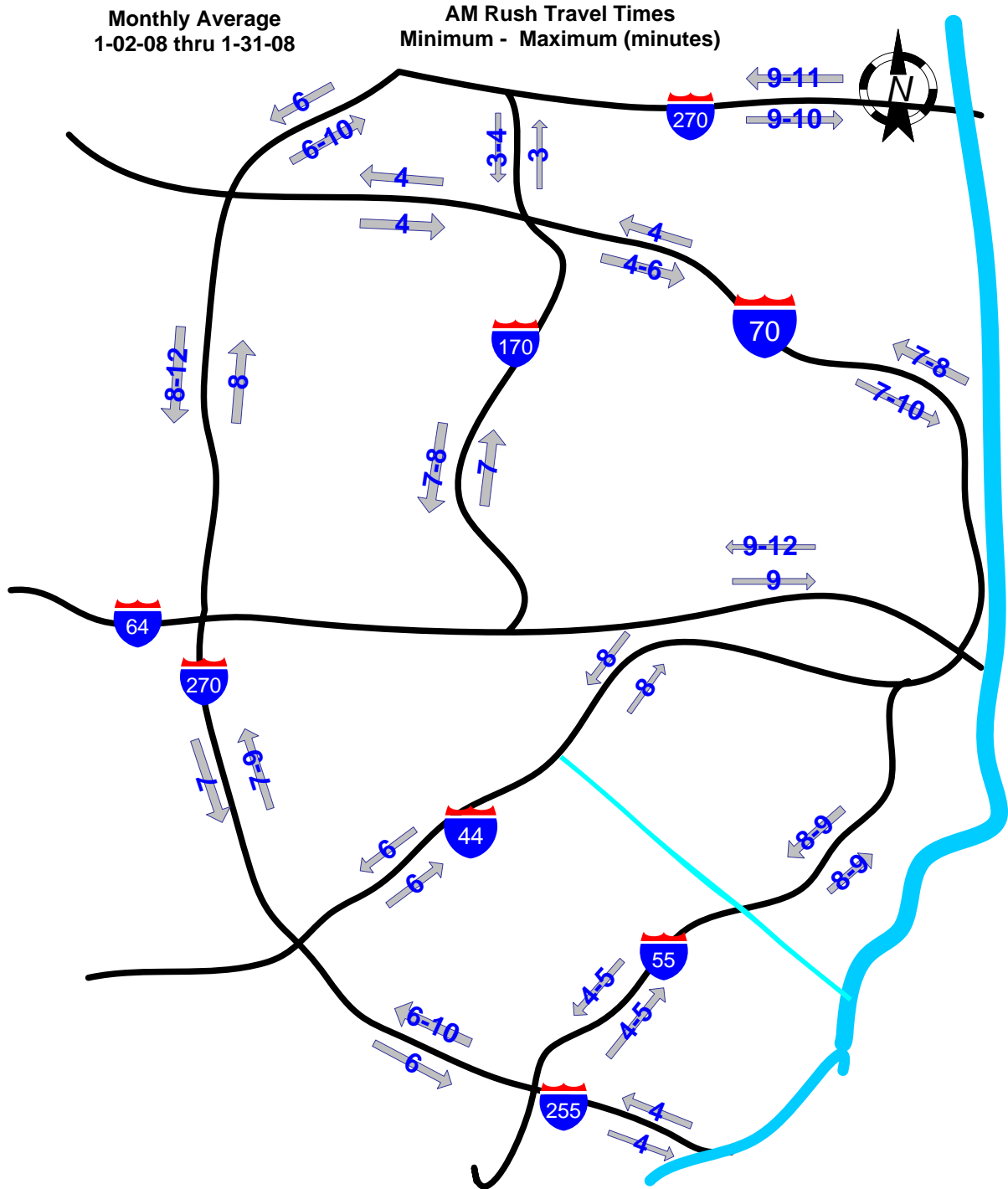


Average Traffic Volume
 Summary
 1/02/08 thru 1/31/08
 PM Rush



Regional Travel Times

Following are maps that depict the Average Travel Time experienced throughout the month of January, excluding significant delays caused by major incidents and snow days. There is a map for the AM Rush Period and the PM Rush Period.



Arterials

The following segments are a representation of the traffic volume changes and travel times during the AM and PM rush periods. On the arterials, the peak travel times are from 7:30 – 8:30 during the AM peak and 4:30 to 5:30 during the PM peak.

Volumes

Summary of Morning Rush Period Volumes:			
Segment	Volume percent change	Peak Hr Vol	
		Before	January
Route 141 North of I-44	5%	7400	7800
Page at Schuetz	15%	7300	8300
Olive at Ballas	40%	3100	4400
Manchester at Lindbergh	10%	3300	3600
Southbound Lindbergh at Manchester	270%	900	3400
Northbound Lindbergh at Manchester	-50%	2400	1300

Summary of Evening Rush Period Volumes:			
Segment	Volume percent change	Peak Hr Vol	
		Before	January
Route 141 North of I-44	-10%	8900	8100
Page at Schuetz	15%	8900	10300
Olive at Ballas	15%	5000	5800
Manchester at Lindbergh	15%	2600	3000
Southbound Lindbergh at Manchester	-50%	6500	3100
Northbound Lindbergh at Manchester	-50%	6500	3100

Travel Times

Summary of Morning Rush Period Travel Times				
Segment	Travel Times at 7:30 AM		Travel Times at 6:30 AM	Time Saved by Shifting 1 hour
	Before	January	January	
	Route 141 – 44 to 40/64	14 min	13 min	11 min
Page – 270 to 170	28 min	15 min	8 min	7 min
Olive – 141 to 170	22 min	20 min	14 min	6 min
Manchester – 141 to Hanley	25 min	24 min	18 min	6 min
SB Lindbergh – 70 to 44	24 min	23 min	21 min	2 min
NB Lindbergh – 44 to 70	28 min	32 min	23 min	9 min

Summary of Evening Rush Period Travel Times				
Segment	Travel Times at 4:30 PM		Travel Times at 3:30 PM	Time Saved by Shifting 1 hour
	Before	January	January	
Route 141 – 40/64 to44	19 min	15 min	12 min	3 min
Page – 170 to 270	13 min	14 min	9 min	5 min
Olive – 170 to 141	22 min	28 min	18 min	10 min
Manchester – Hanley to 141	38 min	28 min	24 min	4 min
SB Lindbergh – 44 to 70	33 min	26 min	22 min	4 min
NB Lindbergh – 70 to 44	28 min	26 min	26 min	0min