

I-64 Incident Command

Monthly Report

March 2009

AM and PM Peak Periods

Morning Rush

- ❑ Morning rush period is from 6:30 AM to 9:30 AM
- ❑ Morning rush hour is from 7:30 AM to 8:30 AM

Evening Rush

- ❑ Evening rush period is from 3:30 PM to 6:30 PM
- ❑ Evening rush hour is from 4:30 PM to 5:30 PM

Incident Management

Overall, in March, there were over 1170 lanes blocked by incidents, an increase from February 2009. With traffic volumes relatively stabilized, the main contributing factor that impacts the freeways is incidents or weather.

Freeway Management

A few areas of concern include the ramp backups on I-170 between Ladue and Forest Park Parkway, the ramp backups between Galleria Pkwy and Forest Park Parkway, I-55/70 northbound and westbound through the depressed section, and eastbound I-64 approaching I-270.

The reversible lanes on I-70 have traditionally operated in the EB direction during the AM hours, and in the WB direction during the PM hours. Their operation was switched on January 8, 2008 to mitigate significant travel delays in the WB direction during the AM peak, and in the EB direction during the PM peak. Upon review of the traffic patterns after the start of the east half closure, volumes and travel times, the operation of the Reversible Lanes were set to be in the eastbound direction at all times on January 22, 2009. Observations after the initial change indicated that little to no impact to the westbound AM traffic is being experienced. The area continues to be monitored to ensure the lanes are operating in the most appropriate direction for traffic flow. They will be reversed as needed for incidents or other events deeming the westbound direction appropriate.

I-70 March 2009 information:

- Westbound AM volume was 1336 vehicles higher than Eastbound AM volume, an average of 334 vehicles per each hour during the peak rush period.
- Eastbound PM volume was 2214 vehicles higher than Westbound PM volume, an average of 554 vehicles per each hour during the peak rush period.

The following segments are representative of the traffic volume changes and travel times on all the region's interstates during the AM and PM peak periods.

Summary of Morning Peak Period:

Total Volume over 4 hours Total Volume over 4 hours Total Volume over 4 hours Total Volume over 4 hours Total Volume over 4 hours

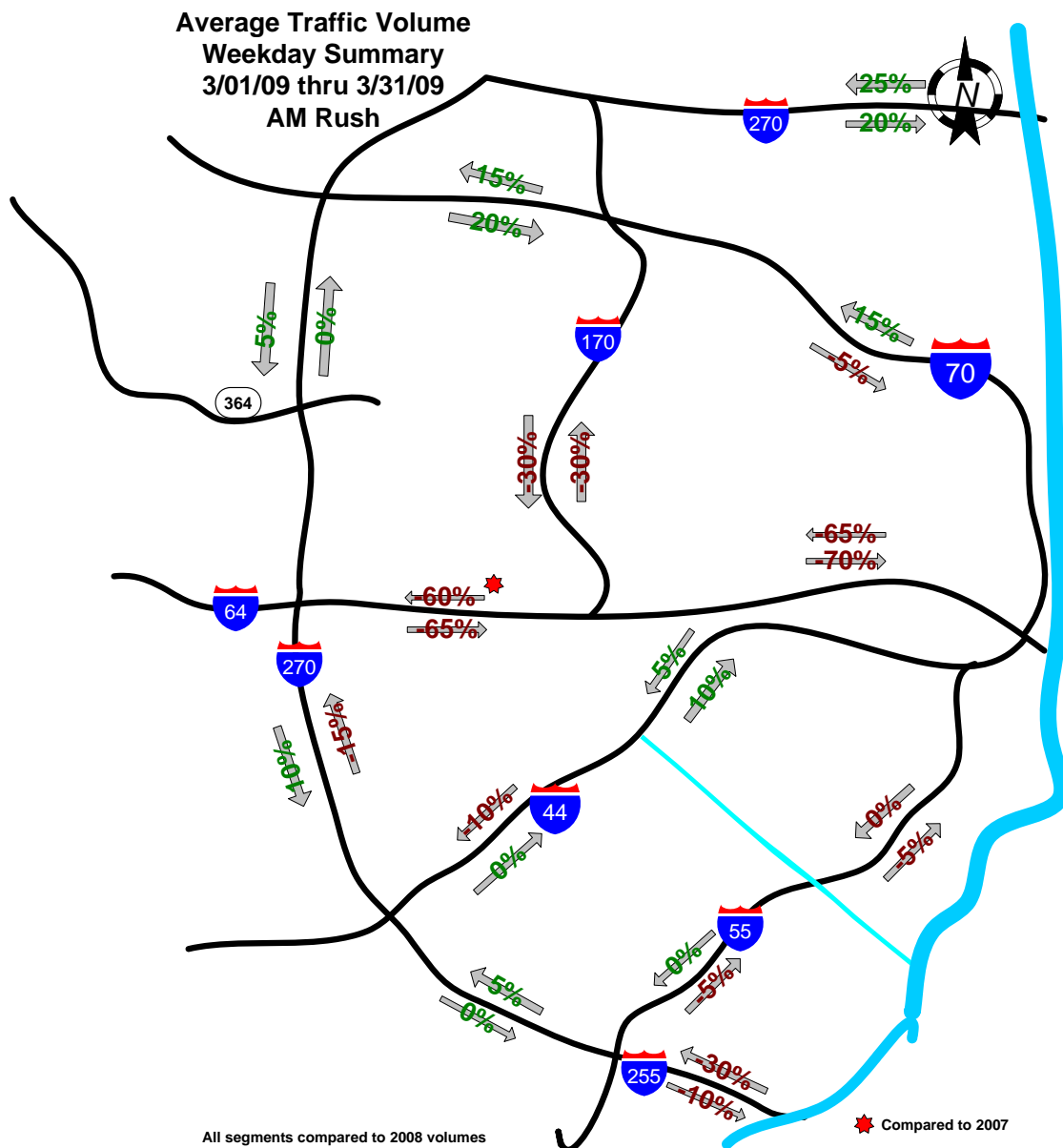
	Segment	Direction		Baseline 2007	Baseline 2008	January 2009	February 2009	March 2009
I-55	I-255 to River Des Peres	NB	AM	13817	14443	13077	13705	13745
	I-255 to River Des Peres	SB	AM	5827	3761	3619	3742	3778
	River Des Peres to PSB	NB	AM	24426	16270	16213	16175	15846
	River Des Peres to PSB	SB	AM	7364	3959	3817	3862	3862
I-64	Rte. K to MO 141	EB	AM	14903	12142	15947	15169	13064
	Rte. K to MO 141	WB	AM	10391	9251	9044	10139	10446
	MO 141 to I-270	EB	AM	17605	13752	17588	18325	18074
	MO 141 to I-270	WB	AM	13894	12071	13417	13738	13983
	Kingshighway to PSB	EB	AM	10211	7608	2714	2562	2495
	Kingshighway to PSB	WB	AM	11644	8120	3236	3317	3242
	I-270 to I-170	EB	AM	14408	0	5408	5585	5374
	I-270 to I-170	WB	AM	13678	0	4572	5119	5070
I-70	PSB to Goodfellow	EB	AM	12331	14478	14420	12424	12178
	PSB to Goodfellow	WB	AM	10951	12512	13473	16694	16566
	Goodfellow to I-170	EB	AM	15843	15698	16955	16683	16720
	Goodfellow to I-170	WB	AM	9680	13582	13998	14139	13872
	I-170 to I-270	EB	AM	12945	13868	16705	16575	16663
	I-170 to I-270	WB	AM	11498	10956	12864	12766	12651
I-44/I-55	I-64 to I-44/I-55 split	NB	AM	20622	21264	13546	13354	13257
	I-64 to I-44/I-55 split	SB	AM	11576	12028	3987	3811	3766
I-44	MO141 to I-270	EB	AM	13620	11129	8188	8382	8523
	MO141 to I-270	WB	AM	8297	6592	4043	4009	4096
	I-270 to Laclede Sta	EB	AM	16214	14010	14215	14359	14270
	I-270 to Laclede Sta	WB	AM	8432	8494	7646	7799	7788
	Laclede Sta to I-55	EB	AM	12504	10005	10424	10743	10837
	Laclede Sta to I-55	WB	AM	7905	6288	6873	6610	6609
I-255	I-55 to JB bridge	EB	AM	4352	8500	15586	7456	7487
	I-55 to JB bridge	WB	AM	4374	7017	4483	4636	4771
I-270	Chain of Rocks to I-170	EB	AM	7493	8971	4759	11691	11227
	Chain of Rocks to I-170	WB	AM	16397	16881	19333	21425	21538
	I-170 to I-70	EB	AM	11249	13102	12259	12486	12369
	I-170 to I-70	WB	AM	13616	13797	14319	15333	15747
	I-70 to I-64	NB	AM	23730	20395	20864	20753	20979
	I-70 to I-64	SB	AM	17049	17955	13880	19677	18846
	I-64 to I-44	NB	AM	19113	19240	16146	16159	16540
	I-64 to I-44	SB	AM	11093	13185	14078	14396	14390
	I-44 to I-55	NB	AM	18481	20168	19979	20224	20863
	I-44 to I-55	SB	AM	9648	9413	8966	9316	9531
MO 364	MO 94 to I-270	EB	AM	10189	10676	12457	12457	12457
	MO 94 to I-270	WB	AM	3226	2308	2124	1961	2160
I-170	I-270 to I-70	NB	AM	8112	6610	6913	7003	6796
	I-270 to I-70	SB	AM	6528	11377	12659	11696	11285
	I-70 to I-64	NB	AM	13272	10383	8858	9115	9105
	I-70 to I-64	SB	AM	9192	9572	7733	8034	7928

Summary of Evening Peak Period:

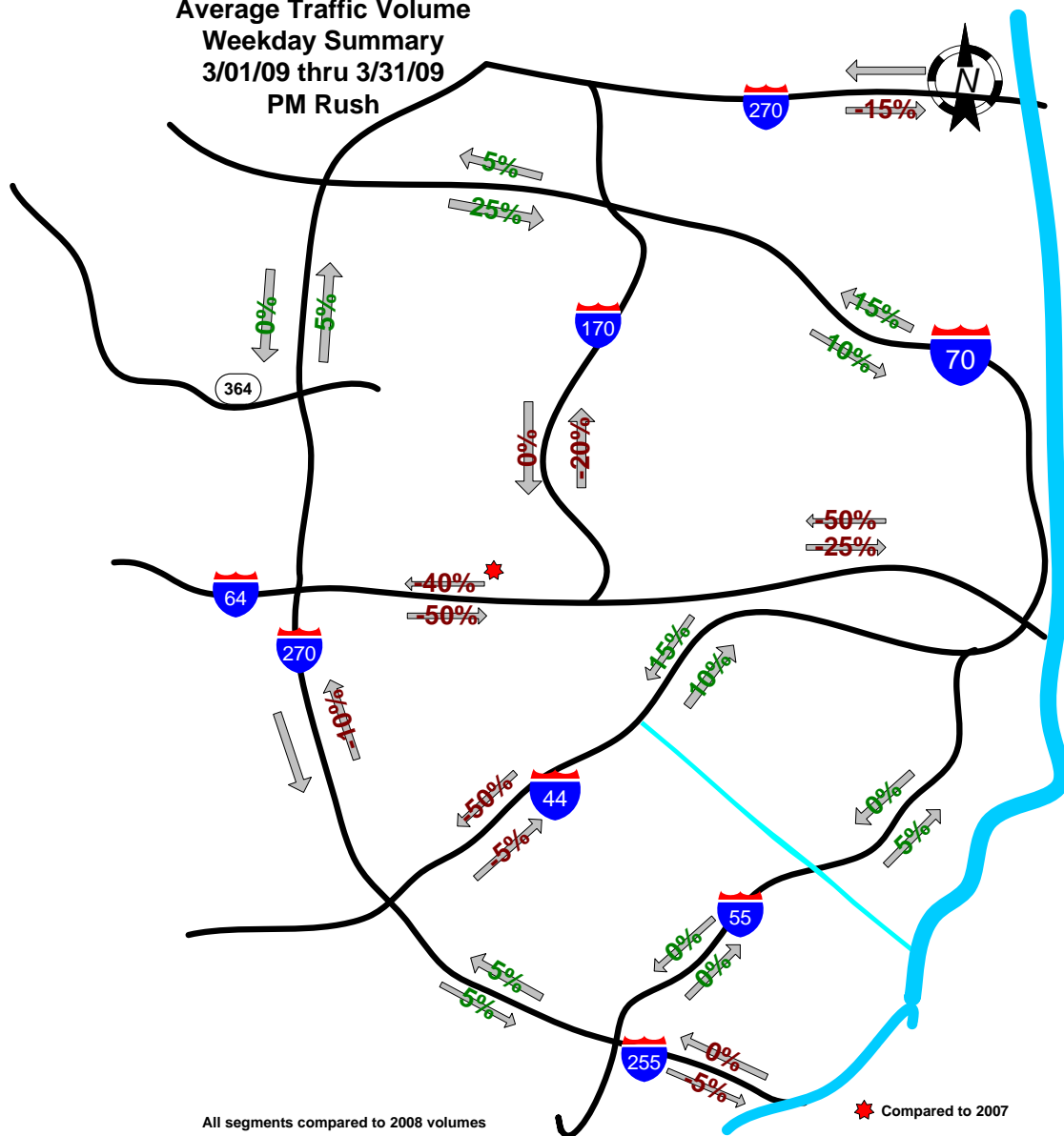
				Total Volume over 4 hours	Total Volume over 4 hours	Total Volume over 4 hours	Total Volume over 4 hours	Total Volume over 4 hours
Segment		Direction		Baseline 2007	Baseline 2008	January 2009	February 2009	March 2009
I-55	I-255 to River Des Peres	NB	PM	8437	10163	8831	10076	9902
	I-255 to River Des Peres	SB	PM	16919	18218	18650	18410	18496
	River Des Peres to PSB	NB	PM	10007	8563	8536	8847	8775
	River Des Peres to PSB	SB	PM	25775	22154	22572	22595	22507
I-64	Rte. K to MO 141	EB	PM	14245	11727	13202	14366	14118
	Rte. K to MO 141	WB	PM	16763	14784	18155	19610	20656
	MO 141 to I-270	EB	PM	16828	14362	16802	17498	17938
	MO 141 to I-270	WB	PM	18684	15139	20889	21159	20040
	Kingshighway to PSB	EB	PM	11341	11268	8404	8662	8543
	Kingshighway to PSB	WB	PM	11905	8840	4536	4253	4195
	I-270 to I-170	EB	PM	15941	0	9214	9700	9855
	I-270 to I-170	WB	PM	19477	0	13026	13850	14080
I-70	PSB to Goodfellow	EB	PM	12872	13712	12781	13156	13346
	PSB to Goodfellow	WB	PM	13464	14918	16493	17627	17707
	Goodfellow to I-170	EB	PM	13491	17699	17879	20065	20274
	Goodfellow to I-170	WB	PM	13854	15866	16908	17844	17868
	I-170 to I-270	EB	PM	15842	15203	18047	19004	18985
	I-170 to I-270	WB	PM	12782	19262	19196	20159	20171
I-44/I-55	I-64 to I-44/I-55 split	NB	PM	16572	15288	16806	17265	17541
	I-64 to I-44/I-55 split	SB	PM	17111	20132	9432	9633	9780
I-44	MO141 to I-270	EB	PM	13978	8855	8603	8765	9068
	MO141 to I-270	WB	PM	16604	15749	15685	15003	15375
	I-270 to Laclede Sta	EB	PM	11968	15720	14812	15123	15096
	I-270 to Laclede Sta	WB	PM	17846	22123	22238	10743	10798
	Laclede Sta to I-55	EB	PM	10020	11528	11711	12304	12440
	Laclede Sta to I-55	WB	PM	14091	16097	18712	18709	19087
I-255	I-55 to JB bridge	EB	PM	10770	6785	6013	6098	6485
	I-55 to JB bridge	WB	PM	10807	9558	8941	8805	9506
I-270	Chain of Rocks to I-170	EB	PM	17591	23444	8110	24567	24530
	Chain of Rocks to I-170	WB	PM	13020	14491	14198	16049	-
	I-170 to I-70	EB	PM	12436	17118	17079	17397	17364
	I-170 to I-70	WB	PM	13686	12949	11791	12982	13406
	I-70 to I-64	NB	PM	21117	20478	20863	21145	21691
	I-70 to I-64	SB	PM	18927	20939	16850	19266	23209
	I-64 to I-44	NB	PM	15561	14855	12211	12692	13425
	I-64 to I-44	SB	PM	21463	22145	23520	23708	-
	I-44 to I-55	NB	PM	15891	14943	14417	14851	15569
	I-44 to I-55	SB	PM	21966	21118	20507	21165	22101
MO 364	MO 94 to I-270	EB	PM	5153	3308	-	-	-
	MO 94 to I-270	WB	PM	11648	11892	11836	11228	12368
I-170	I-270 to I-70	NB	PM	15344	16278	16508	16649	16974
	I-270 to I-70	SB	PM	15788	12645	14825	13922	13454
	I-70 to I-64	NB	PM	13880	20197	15470	16281	16441
	I-70 to I-64	SB	PM	12868	16142	15825	16190	16069

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.

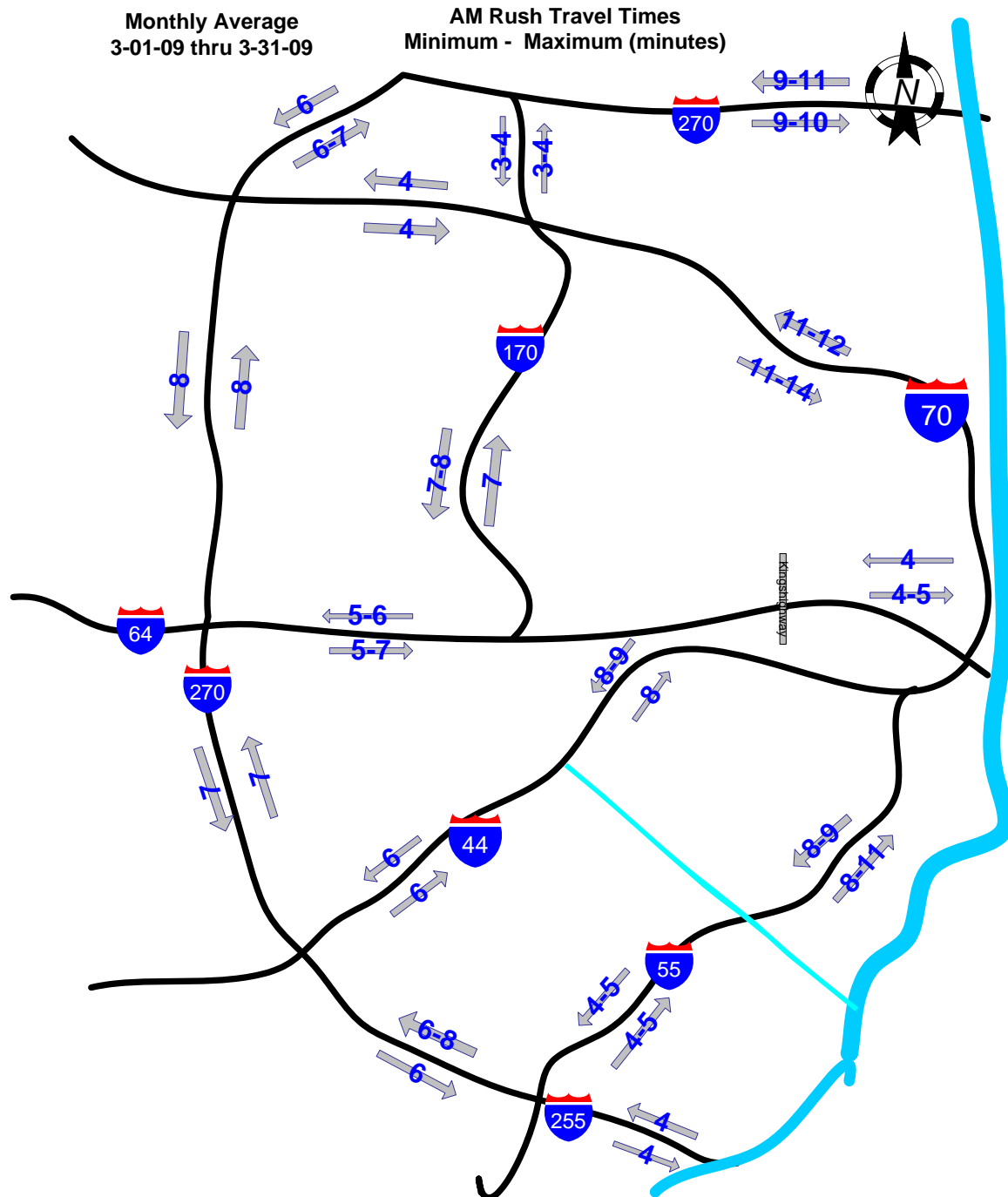


Average Traffic Volume
 Weekday Summary
 3/01/09 thru 3/31/09
 PM Rush



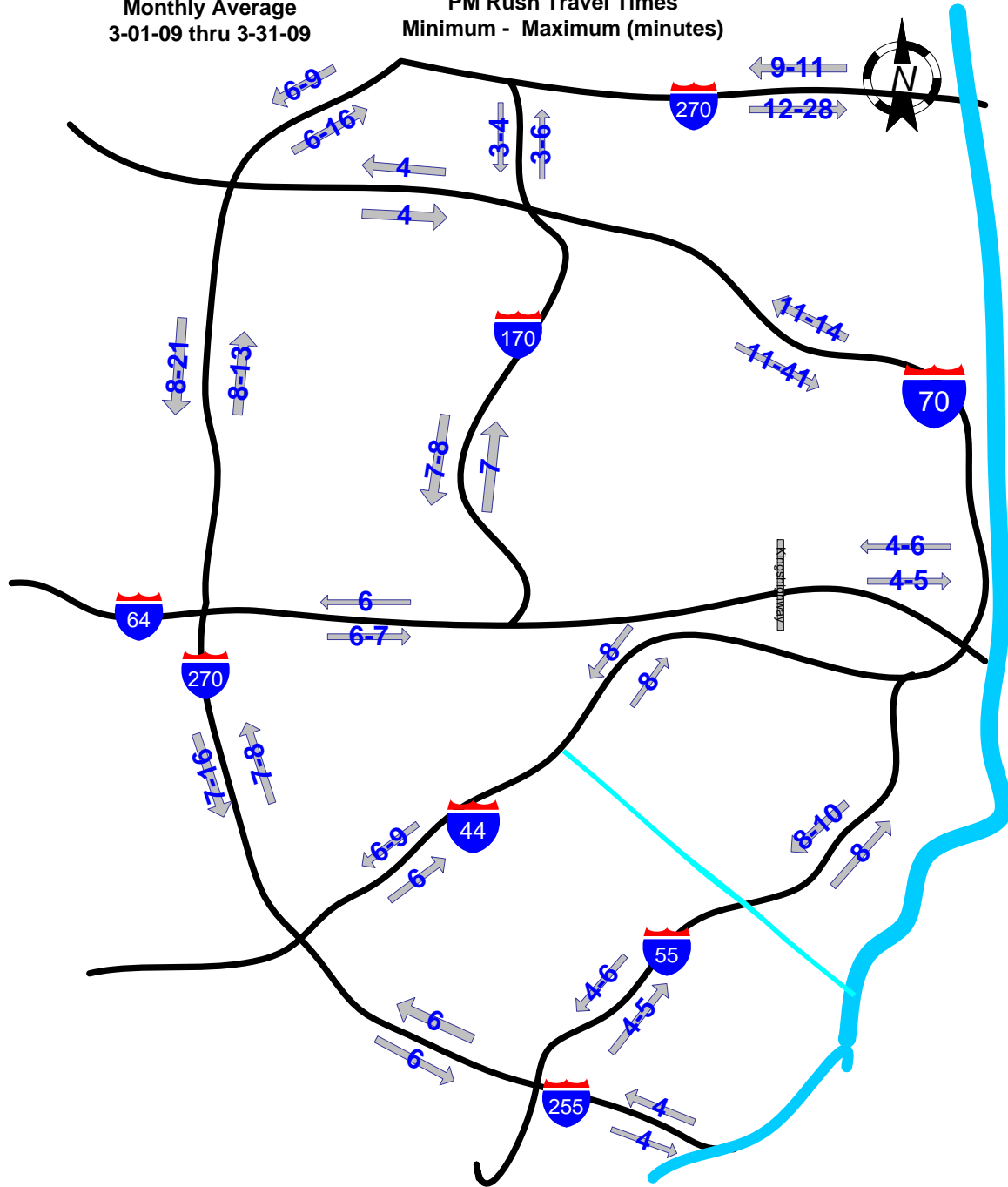
Regional Travel Times

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
3-01-09 thru 3-31-09

PM Rush Travel Times
Minimum - Maximum (minutes)



Arterial Monthly Report

AM and PM Peak Periods

Travel Times for March 2009 Routes East of I-170

Summary of Morning Rush					
Segment	Travel Times				
	Before	Jan ave	Feb ave	Mar ave	Apr ave
East-West Routes					
Manchester EB – Brentwood to Kingshighway	13	32	15	16	
Manchester WB – Kingshighway to Brentwood	N/A	14		16	
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	17	
Page WB – Grand to 170	N/A	17		15	
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	9	
Kingshighway SB – Page to Vandeventer	14	6	9	8	
Summary of Evening Rush					
Segment	Travel Times				
	Before	Jan ave	Feb ave	Mar ave	Apr ave
East-West Routes					
Manchester EB – Brentwood to Kingshighway	N/A	13	14	17	
Manchester WB – Kingshighway to Brentwood	15	16	16	15	
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	20	
Page WB – Grand to 170	21	17	23	22	
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	10	
Kingshighway SB – Page to Vandeventer	12	12	16	14	

Routes West of I-170

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	10	
Page Avenue WB – 170 to 270	N/A	9	9	8	
Olive EB – 270 to 170	16	9	10	9	
Olive WB – 170 to 270	N/A	9	9	10	
Manchester EB – 270 to Brentwood	13	11	12	12	
Manchester WB – Brentwood to 270	N/A	12	11	12	

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	10	
Page Avenue WB – 170 to 270	13	10	10	10	
Olive EB – 270 to 170	N/A	11	11	9	
Olive WB – 170 to 270	15	11	9	10	
Manchester EB – 270 to Brentwood	N/A	14	11	13	
Manchester WB – Brentwood to 270	15	12	13	11	

Traffic Volumes AM Peak Period

MO 100 at US 67	Volumes cont to be down ave of 50%
US 67 at MO 100	Volumes cont to be down ave of 45%
MO 340 at Old Olive East	Volume up about 80%
Route D at Ferguson	Volumes up about 30%
Route 340 at Ferguson	Volumes up about 20%
Route 100 at Macklind	Volumes up about 50%

Forest Park Parkway just e/o Skinker – EB	+53%
Forest Park Parkway just e/o Skinker – WB	+51%
Skinker just n/o Clayton – NB	+21%
Skinker just n/o Clayton – SB	-9%

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 40%
Route D at Ferguson	Volumes up about 35%
Route 340 at Ferguson	Volumes up about 10%
Route 100 at e/o Macklind	Volumes up about 25%

Forest Park Parkway just e/o Skinker – EB	+55%
Forest Park Parkway just e/o Skinker – WB	+30%
Skinker just n/o Clayton – NB	+0%
Skinker just n/o Clayton – SB	+24%

Other major observations on the arterials:

AM Rush Period

- **Forest Park Parkway at Big Bend** – eastbound increased by 64% from 1,125 to 1,840 vehicles during the peak hour and westbound increased by 86% from 1,175 to 2,190 vehicles during the peak hour.
- **Brentwood Blvd. At Manchester Road** – southbound increased by 23% from 980 to 1,210 vehicles during the peak hour and northbound increased by 4% from 1,505 to 1,560 vehicles during the peak hour.

PM Rush Period

- **Forest Park Parkway at Big Bend** – eastbound increased by 45% from 1,210 to 1,750 vehicles during the peak hour and westbound increased by 83% from 1,030 to 1890 vehicles during the peak hour.
- **Brentwood Blvd. At Manchester Road** – southbound increased by 29% from 1,720 to 2,225 vehicles during the peak hour and northbound increased by 3% from 1,055 to 1,085 vehicles during the peak hour.

SUMMARY OF 24-HOUR VOLUME CHANGES

- **Forest Park Parkway at Big Bend** - increased by 98% from 27,010 to 53,510 vehicles per day.
- **Brentwood Blvd. At Manchester Road** – increased by 7% from 33,390 to 35,780 vehicles per day.