



Economic and Regional Mobility Evaluation

Fourth Annual Transportation
Research Forum

February 24, 2010

Ron Morris, MoDOT

Tom Ryan, HDR

Bill Stone, MoDOT

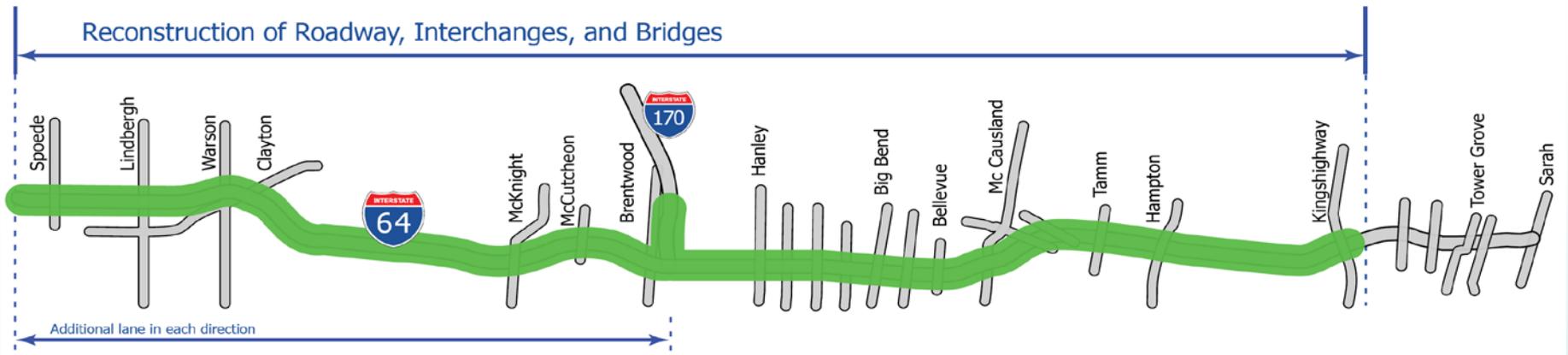


I-64 Study

- Why do the evaluation?
- What were the evaluation results?
- How will information gained be used?



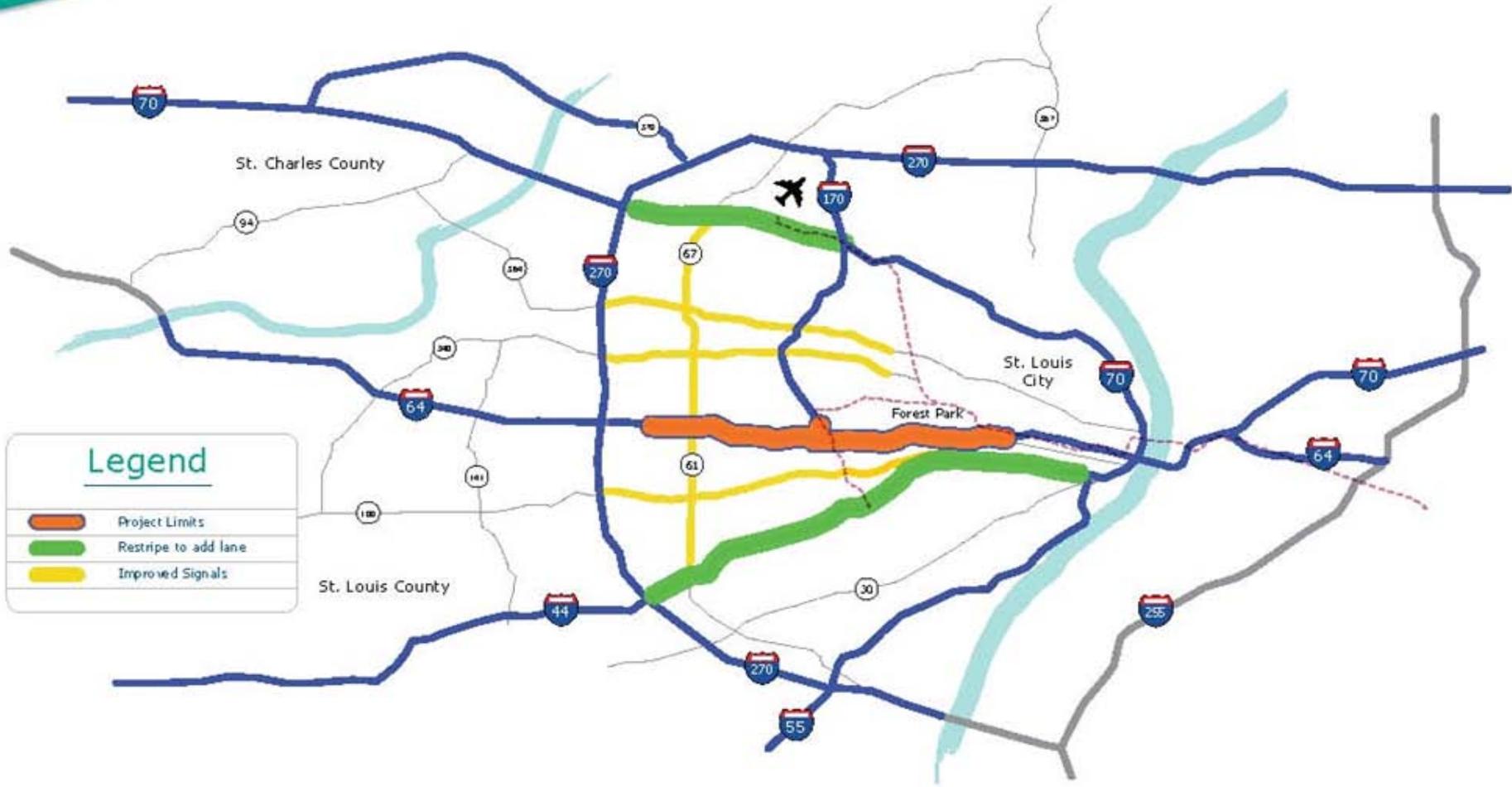
What was Built



- 10 miles of roadway
- Direct ramps from I-64 to I-170
- 13 interchanges & 8 major bridges/overpasses
- Additional lane from I-270 to I-170



Regional Impacts





Regional Concerns

- Congestion on alternate routes
- Impact on businesses and downtown
- Impact to emergency response
- Public information on schedule and alternatives



Project Solutions

- Mobility
- Economics
- Project Communications





Why Do the Evaluation?

MoDOT wanted to know:

- What solutions worked
- Could solutions be improved
- How could solutions be shared and implementation





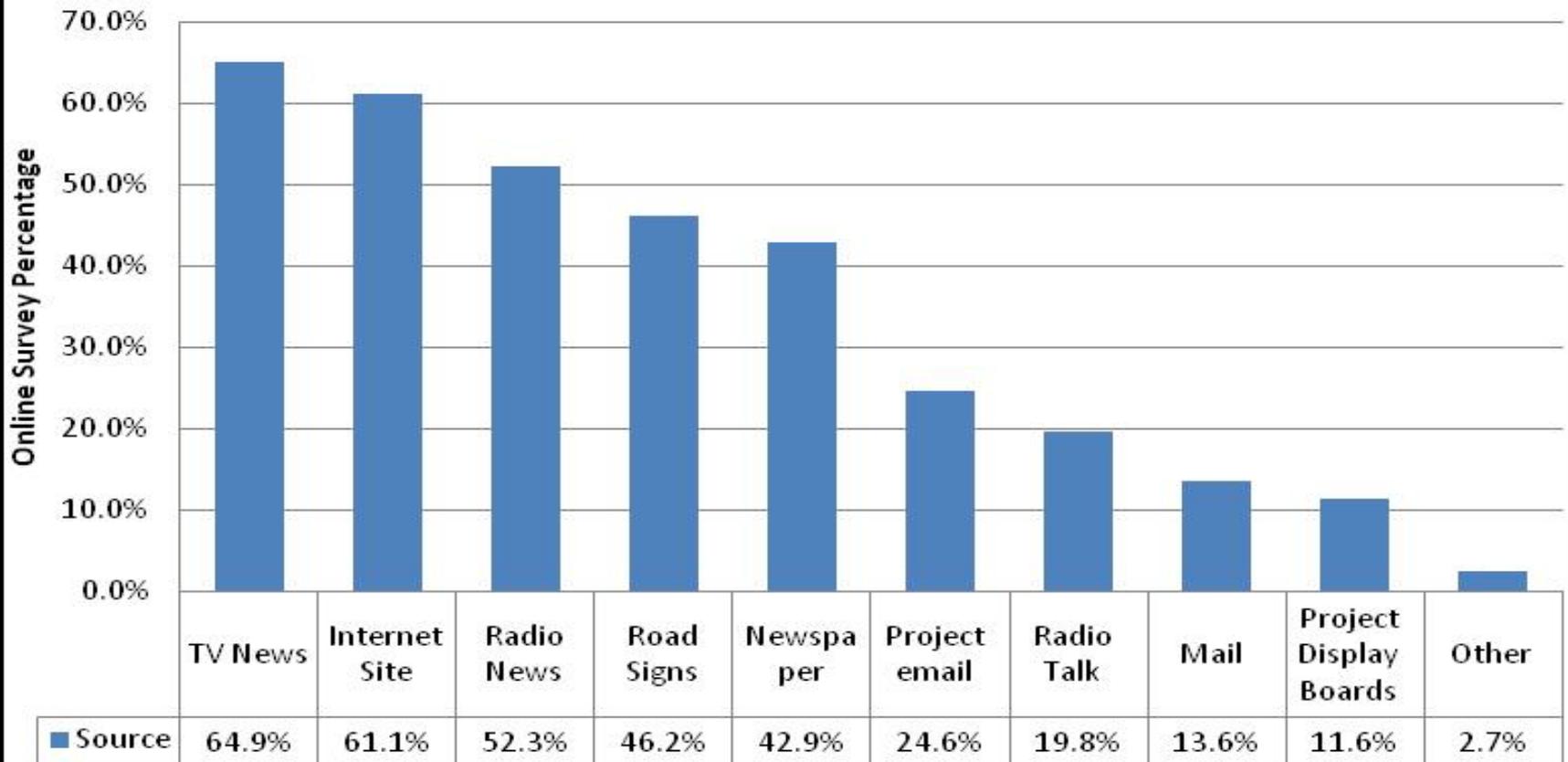
Communication

Key Public Indicators - Online Comparison of Both Closures	Western Closure	Eastern Closure	Total
Overall level of satisfaction with how the I-64 closure has been handled	76.7%	78.3%	77.1%
Satisfaction with how well the public kept informed about the new I-64 project	88.7%	85.5%	87.9%
Satisfaction with how well managing to move around the St. Louis area w/ the closure	69.7%	60.4%	67.4%
Satisfaction with timeliness of information being made available	87.5%	85.7%	87.1%
Agreement with “the closure has changed where I shop”	41.5%	47.0%	42.9%
Agreement with “the closure has changed how often I travel to certain areas”	73.3%	76.2%	74.0%
Satisfaction with decision to complete the work by closing I-64 for 2 years instead of 6-8 years w/ lane closures	76.5%	82.5%	78.0%
<i>Survey responses</i>	1,362	444	1806



Communication

Best Communication Way - Project Information





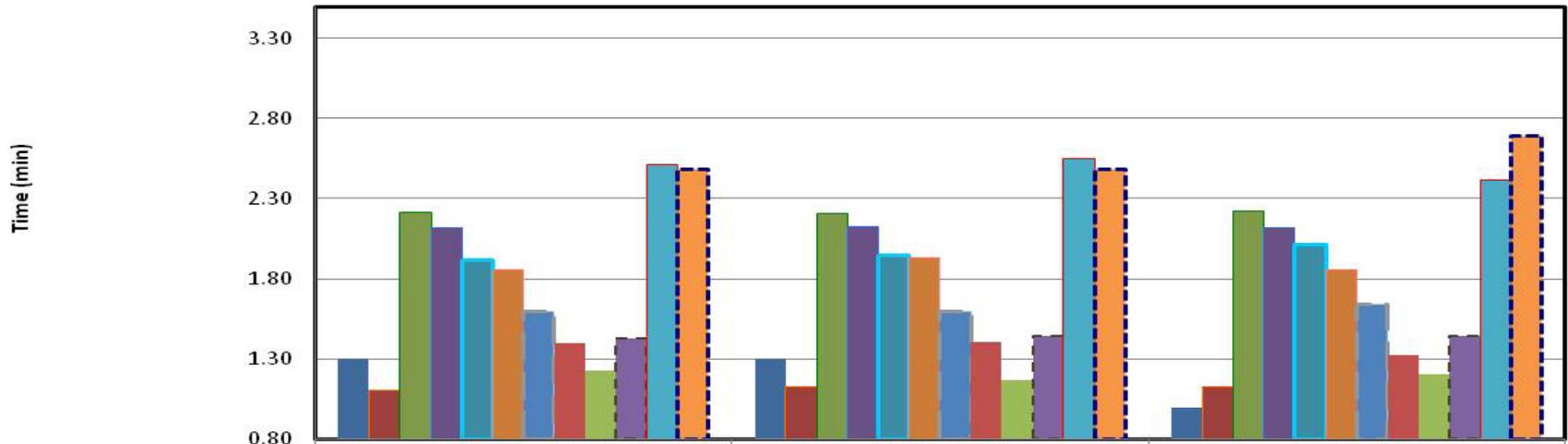
Communication

Key Public Indicators - Motorist Assist Comparison of Both Closures	Western Closure	Eastern Closure	Total
Satisfaction with how well managing to move around the St. Louis area w/ the closure	90.0%	90.1%	90.0%
Satisfaction with decision to complete the work by closing I-64 for 2 years instead of 6-8 years w/ lane closures	93.8%	96.1%	94.9%
<i>Survey responses</i>	3,837	3,666	7,503



Mobility

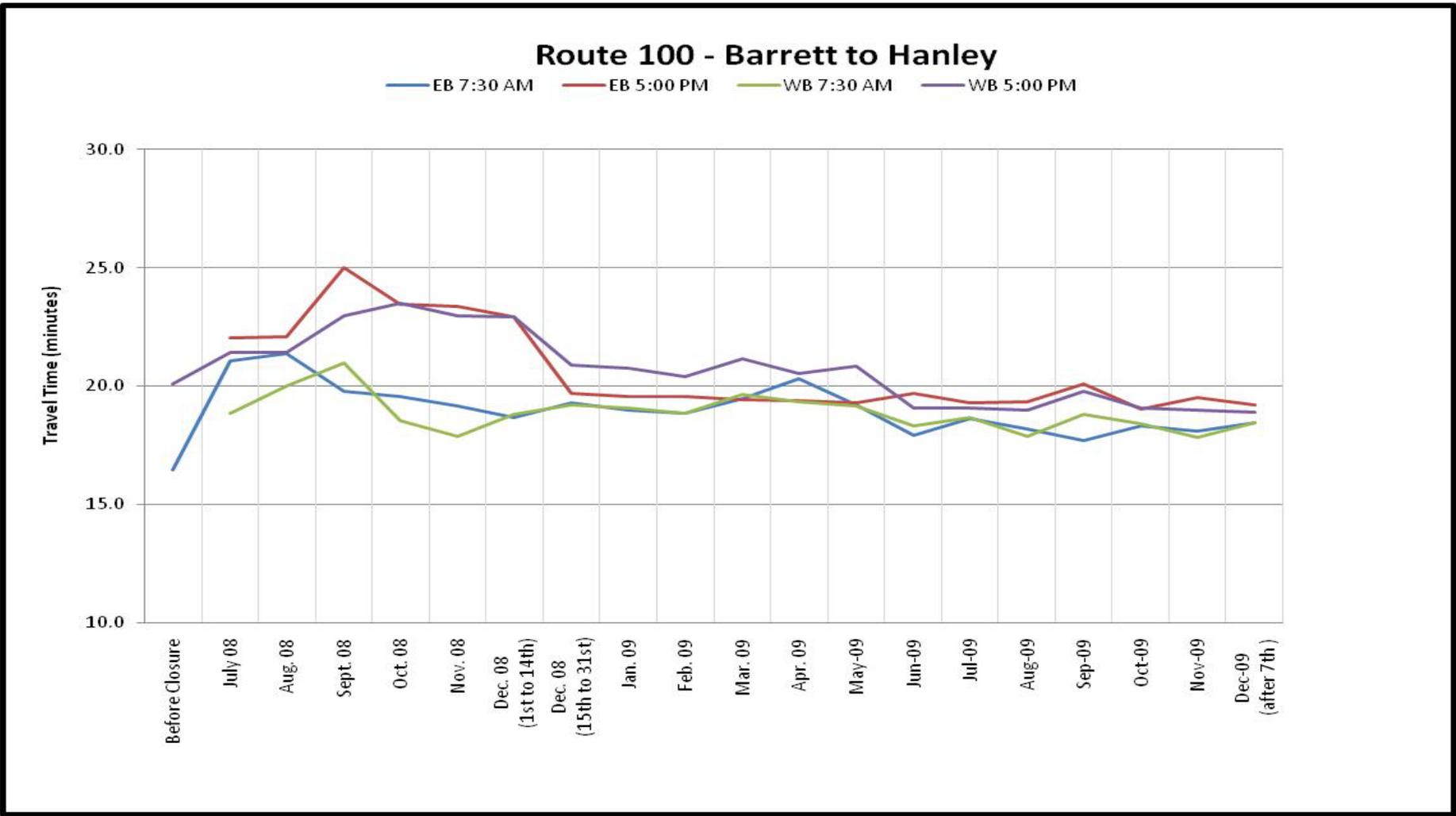
Travel Time along Selected Sections



	Aug-Dec '07	Oct-Dec '07	Oct-Dec '09
I-44 EB East of I-270	1.30	1.30	1.00
I-44 WB East of I-270	1.11	1.13	1.13
I-55 SB South of Union Rd	2.22	2.21	2.22
I-55 NB South of Union Rd	2.12	2.13	2.12
I-170 NB North of Page Ave	1.92	1.95	2.01
I-170 SB North of Page Ave	1.86	1.93	1.86
MO370 EB West of Taussig Ave	1.60	1.60	1.65
MO370 WB West of Taussig Ave	1.40	1.41	1.32
I-70 EB East of Airfield Dr	1.23	1.17	1.20
I-70 WB East of Airfield Dr	1.43	1.44	1.44
I-270 NB At Ladue	2.52	2.55	2.42
I-270 SB At Ladue	2.48	2.48	2.69



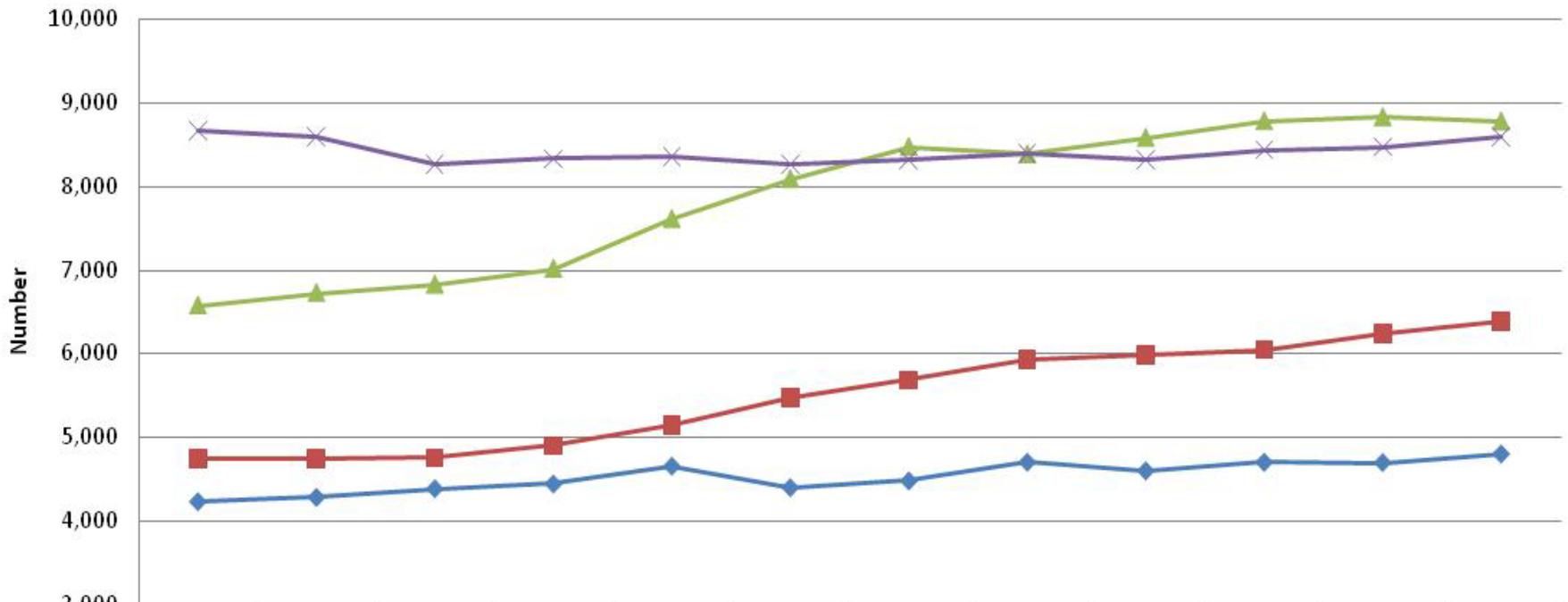
Mobility





Mobility

Carpoolers



	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
◆ 2006	4,235	4,287	4,390	4,446	4,657	4,402	4,482	4,705	4,602	4,704	4,701	4,802
■ 2007	4,746	4,742	4,753	4,899	5,142	5,466	5,680	5,922	5,976	6,042	6,235	6,381
▲ 2008	6,575	6,727	6,824	7,015	7,608	8,086	8,467	8,380	8,575	8,775	8,822	8,771
× 2009	8666	8595	8266	8325	8350	8259	8317	8394	8319	8433	8471	8595



Economy

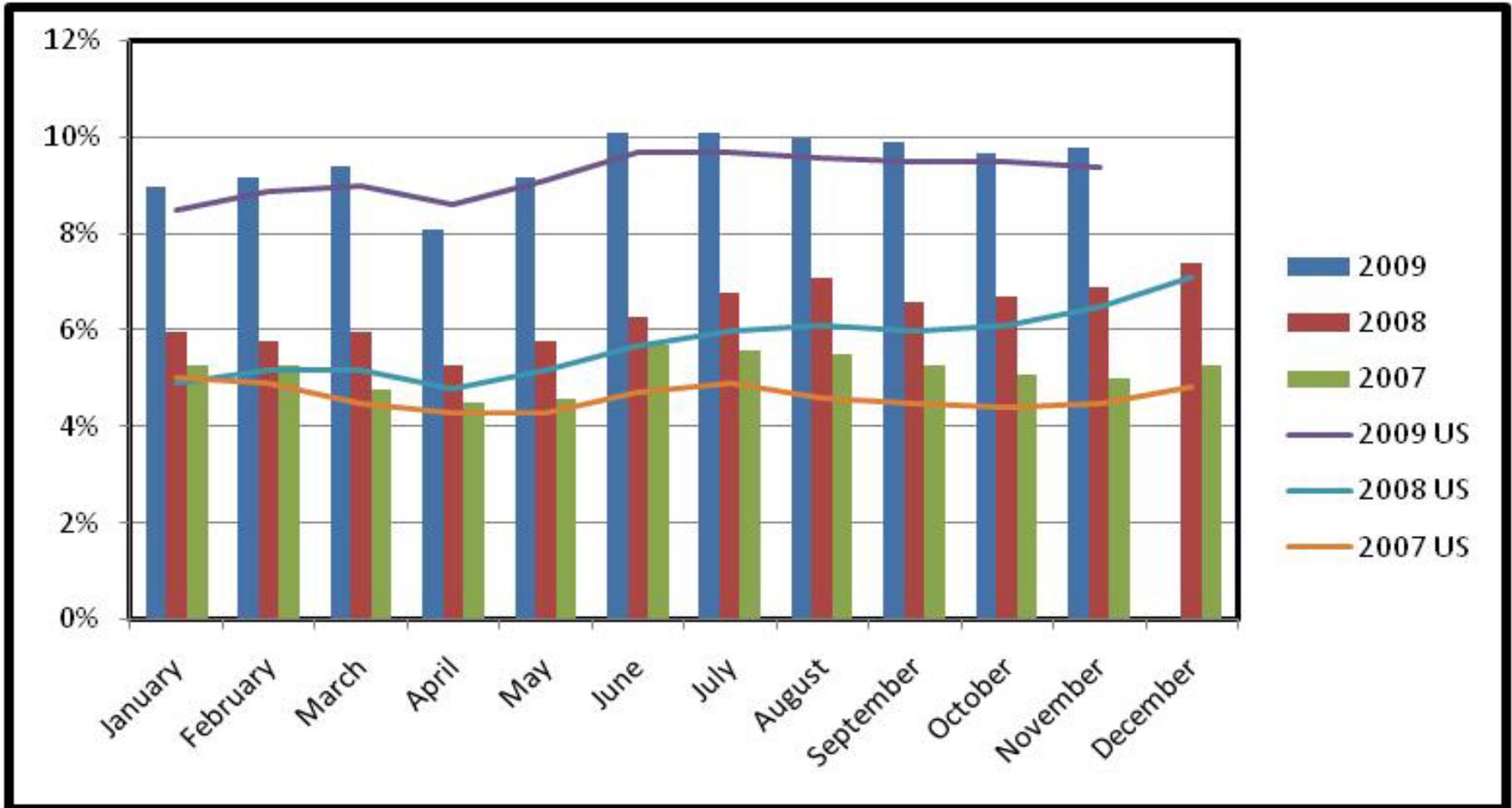
Table 1: St. Louis I-64 Corridor and Non-Corridor Economic Profile: Second Quarter of Each Year

	2nd Quarter 2007		2nd Quarter 2008		2nd Quarter 2009	
	Corridor	Non-Corridor	Corridor	Non-Corridor	Corridor	Non-Corridor
Jobs	201,778	636,941	201,577	631,271	191,098	597,042
# of Establishments	9,482	31,426	9,197	31,131	9,005	30,814
Wages (\$ Millions)	\$ 2,385	\$ 7,055	\$ 2,555	\$ 7,193	\$ 2,293	\$ 6,608
Taxable Sales (\$ Millions)	\$ 950	\$ 4,315	\$ 914	\$ 4,226	\$ 811	\$ 3,859

Source: MERIC and Missouri Department of Revenue

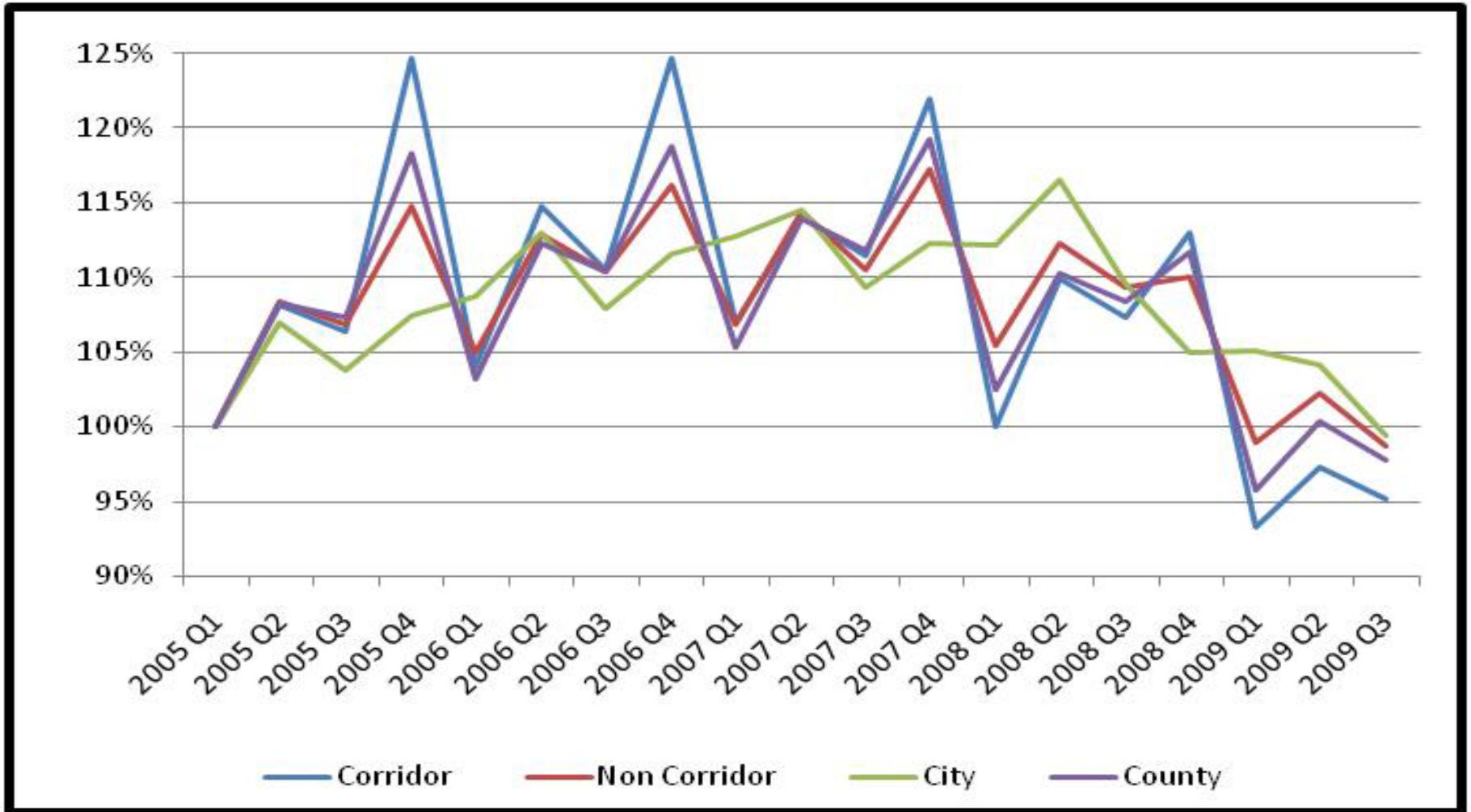


Economy



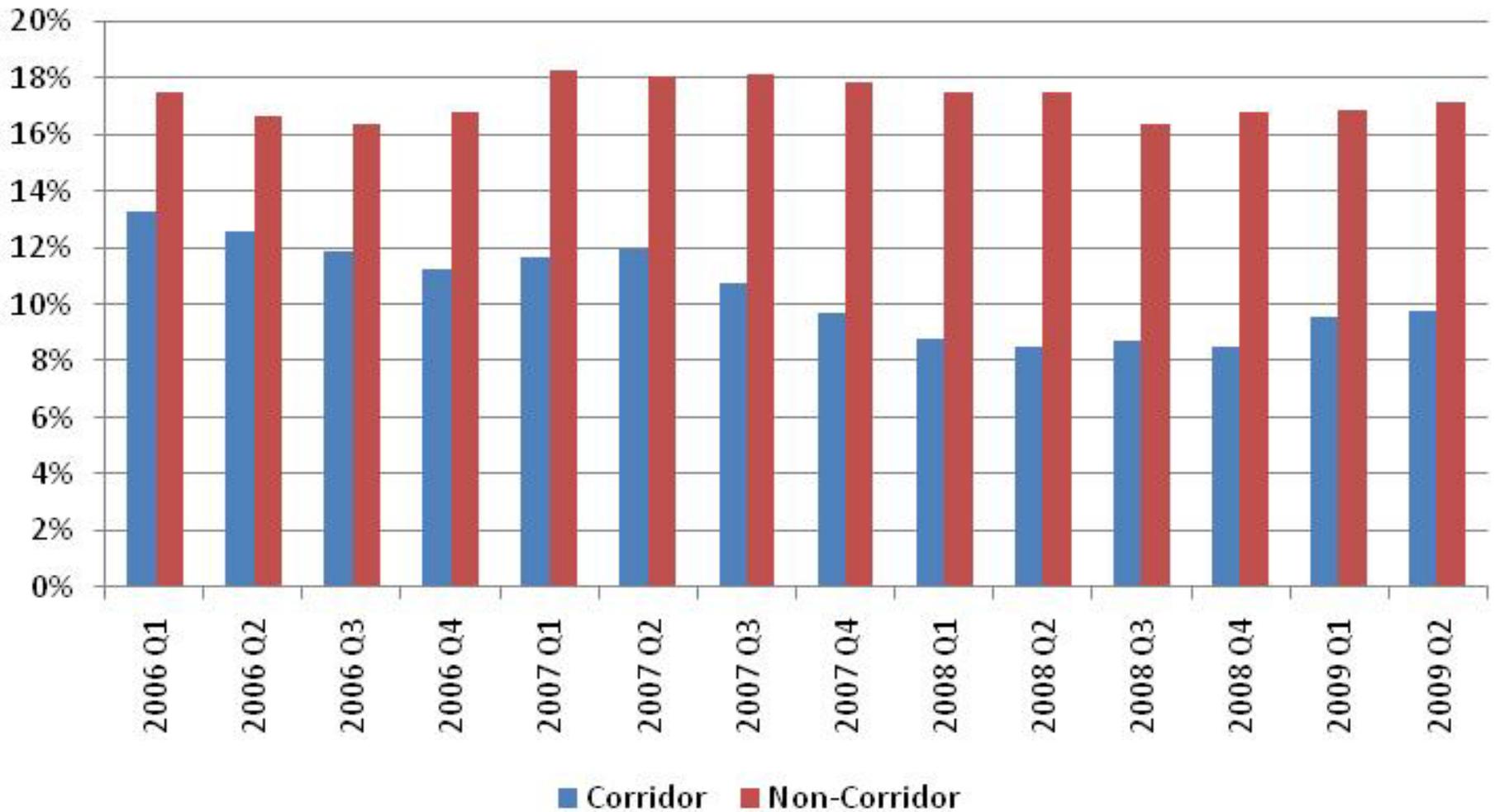


Economy





Economy





Information Sharing

- MoDOT's Innovation Library - <http://www.modot.org/services/OR/byDate.htm>
- Presentations at Conferences and Meetings
- FHWA Work Zone Management Team



Implementation

- Development of Best Practices
- Incorporation into MoDOT Business
- Further Evaluation of Results



Project Success

- Regional Coordination
- Enhanced Contractor Involvement:
 - Project Communication
 - Public Outreach
- Maintenance of Traffic
- Green Transportation



Economic and Regional Mobility Evaluation

- Three questions
 - Why do the evaluation?
 - What were the evaluation results?
 - How will information gained be used?



Economic and Regional Mobility Evaluation

Questions?

