



ST. LOUIS DISTRICT MOBILITY

MAY/JUNE 2016

GUIDEPOST

- FREEWAY MOBILITY IN BOTH PEAKS CONTINUES TO BE NEGATIVELY IMPACTED AT MERGING LOCATIONS AND THROUGH WORK ZONES
- SEASONAL TRAVEL VARIATIONS AND SLIGHT VOLUME DECREASES FROM PREVIOUS YEAR POSITIVELY IMPACTED MOBILITY IN THE AM PEAK
- BOTH ARTERIAL PEAKS STILL SLOW NEAR INTERSECTIONS WITH INTERSTATES AND MAJOR ROUTES
- ARTERIAL TRAVEL CONTINUES TO BE BETTER IN AM PEAK THAN PM PEAK AND DATA FROM SEVERAL AREAS UNAVAILABLE BECAUSE OF OUTAGES
- WORK ZONE CRASHES CONTINUED TO RISE AND ADDITIONAL TRAVEL TIMES WERE EXPERIENCED WHERE SOME BRIDGE WORK AND EMERGENCY REPAIRS TOOK PLACE
- OVERALL AVERAGE INCIDENT CLEARANCE TIMES IMPROVED FROM PREVIOUS REPORTING PERIODS

ZONING IN

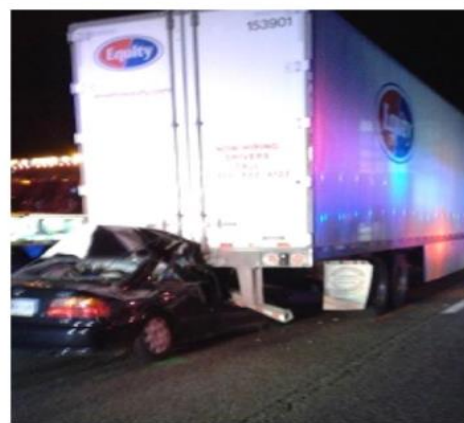
TMS WORK ZONES

- ◆ MAY 2016: 288
- ◆ JUNE 2016: 312

WORK ZONE BREAKDOWN:

- ◆ MAJOR: 4 - 0.83%
- ◆ MODERATE: 10 - 1.67%
- ◆ MINOR: 585 - 97.50%

WORK ZONE CRASHES: 30



A FATAL WORK ZONE CRASH ON WESTBOUND I-70 PAST FIFTH STREET MAY 5, 2016 SERVES AS A STARK REMINDER FOR DRIVERS ON THE IMPORTANCE OF SLOWING FOR WORK ZONES AND THE IMPACT WORK ZONE CRASHES HAVE ON BOTH SAFETY AND MOBILITY

MOBILITY SNAPSHOT

FREeway MOBILITY

MAY TO JUNE COMPARISON:
AM CONSISTENT / PM DECLINED

FREeway AVERAGE 24 HOUR VOLUMES

MAY 2015 → MAY 2016: -2.7%
JUNE 2015 → JUNE 2016: -0.1%

MAJOR INCIDENTS

MAY 2016: 3 → JUNE 2016: 7

AVERAGE INCIDENT DURATION MAY→JUN

LANE CLEARANCE: 22:51 → 23:32
INCIDENT CLEARANCE: 25:26 → 27:09
(MIN: SEC)

MAJOR IMPACT WORK ZONES

MAY → 3 JUNE → 1

MODERATE IMPACT WORK ZONES

MAY → 7 JUNE → 3



GATEWAY GUIDE
TRANSPORTATION MANAGEMENT CENTER



WORK ZONES

TMC Observed Work Zones May - June 2016			
May		June	
Level of Travel Time Impact	Number of Work Zones	Level of Travel Time Impact	Number of Work Zones
Major Impact	3	Major Impact	1
Moderate Impact	7	Moderate Impact	3
Minor Impact	151	Minor Impact	204
Total	161	Total	208

*Impact Levels described in Data Key

SL Mobility Rating:

- ◆ May 2016: 95%
- ◆ Jun 2016: 89%
- ◆ Goal: 91%

SL Visibility levels:

- ◆ May 2016: 94%
- ◆ Jun 2016: 93%
- ◆ Goal: 91%

Major Impact (15 Minutes or Above Additional Travel Time)

5/7 (Saturday) Westbound I-70 at Foristell -- 1 Lane Closed (1 Major -- 2 Moderates)

- On-Call pavement repair over the weekend.
- All mitigation efforts were in use
- RITIS data recorded 32 minutes and 45 seconds of additional travel time

5/20 (Friday) Eastbound I-44 at Hampton -- 1 Lane Closed (1 Major -- 2 Moderates)

- Traffic switch for last stage of bridge rehabilitation.
- This was scheduled to start at earlier in the morning to avoid running through evening drive time but rain caused the contractor to run late.
- The Cardinal baseball game traffic impacted travel through this work zone
- All mitigation efforts were in use
- RITIS data recorded 32 minutes and 14 seconds of additional travel time

5/21(Saturday) Westbound I-70 at 5th Street -- 1 Lane Open (1 Major -- 2 Moderates)

- Bridge Demo over the weekend.
- All mitigation efforts were in use
- RITIS data recorded 16 minutes and 52 seconds of additional travel time

6/23 (Thursday) Westbound I-70 at Foristell -- 1 Lane Closed (1 major --2 Moderates)

- Paving operations
- All mitigation efforts were in use
- RITIS data recorded 29 minutes and 26 seconds of additional travel time



WORK ZONES

Moderate Impact (10-14 Minutes Additional Travel Time)

5/22 (Saturday) Westbound I-70 at 5th Street -- 1 Lane Closed -- (1 moderate)

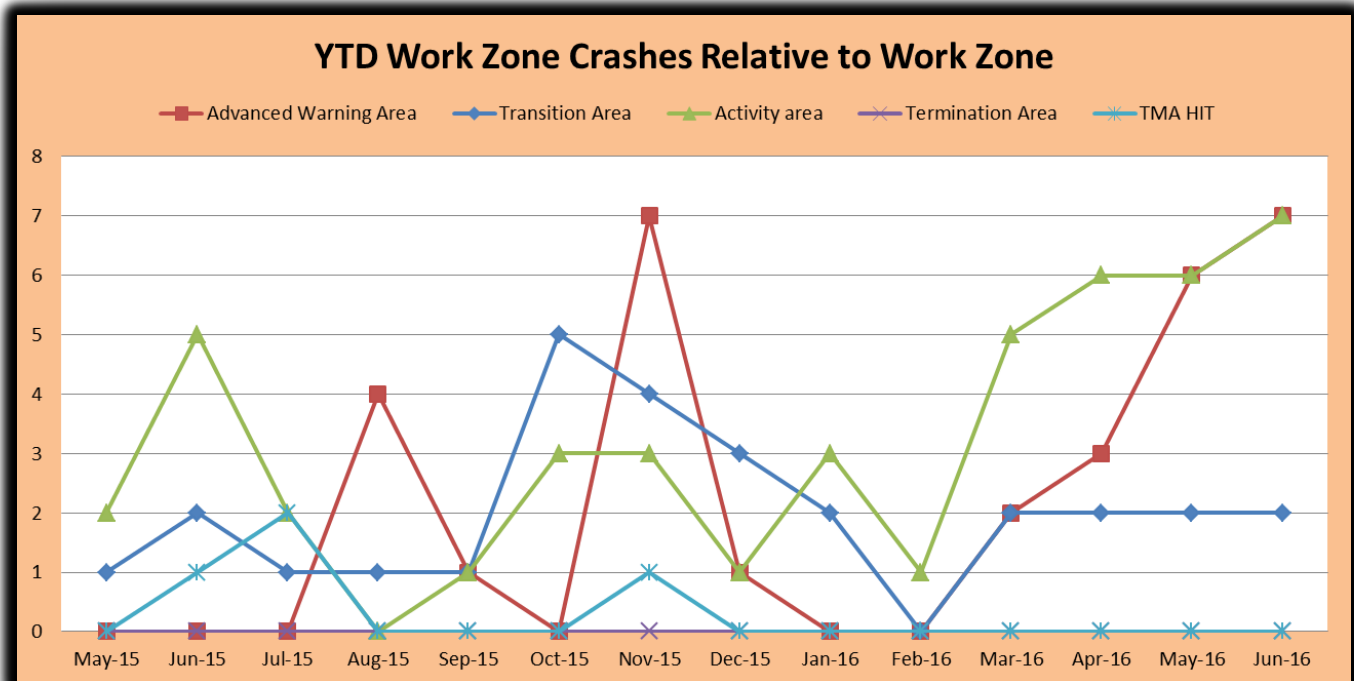
- Bridge Demolition over the weekend.
- All mitigation efforts were in use
- RITIS data recorded 16 minutes and 52 seconds of additional travel time

6/17 (Saturday) Westbound I-64 from Lindbergh to Timberlake --2 Lanes Closed -- (1 moderate)

- Paving operations
- All mitigation efforts were in use
- RITIS data recorded an addition 12 minutes of travel time was experienced by motorists

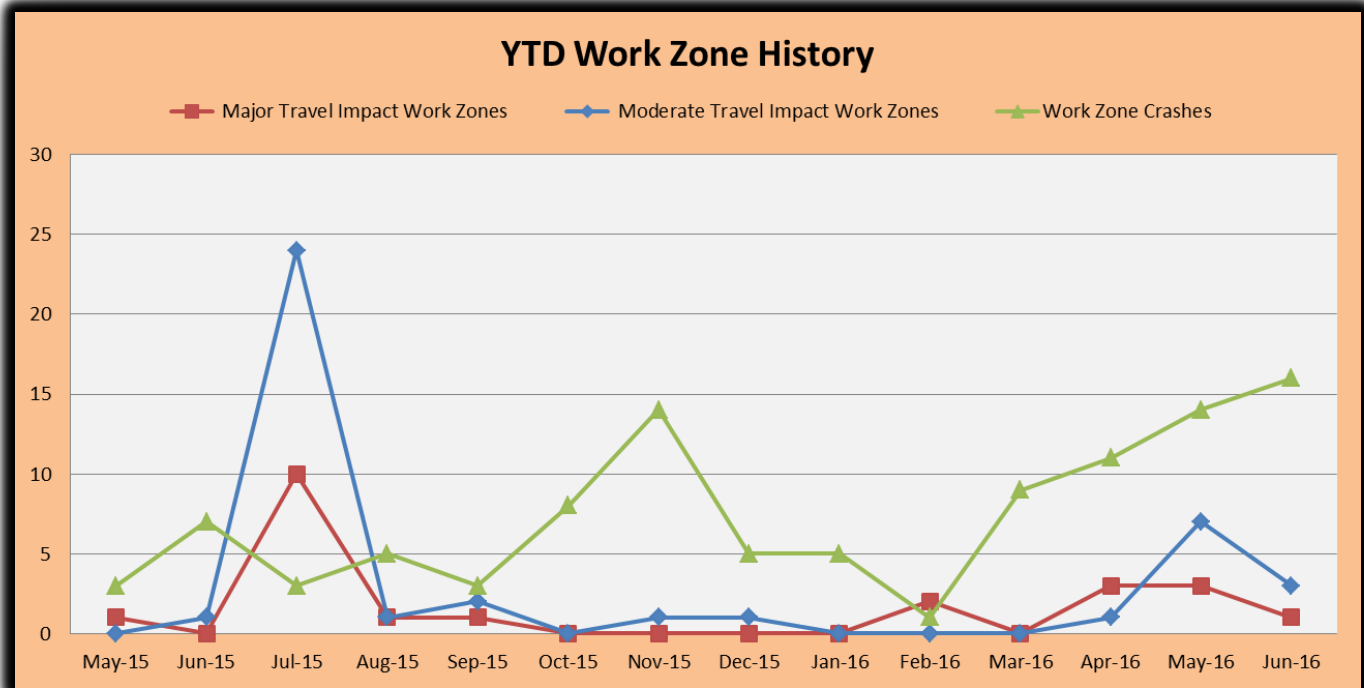
Work Zone Related Crashes with Mobility Impact

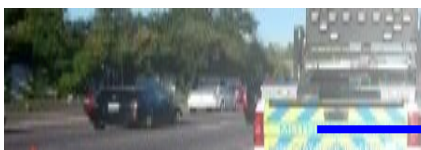
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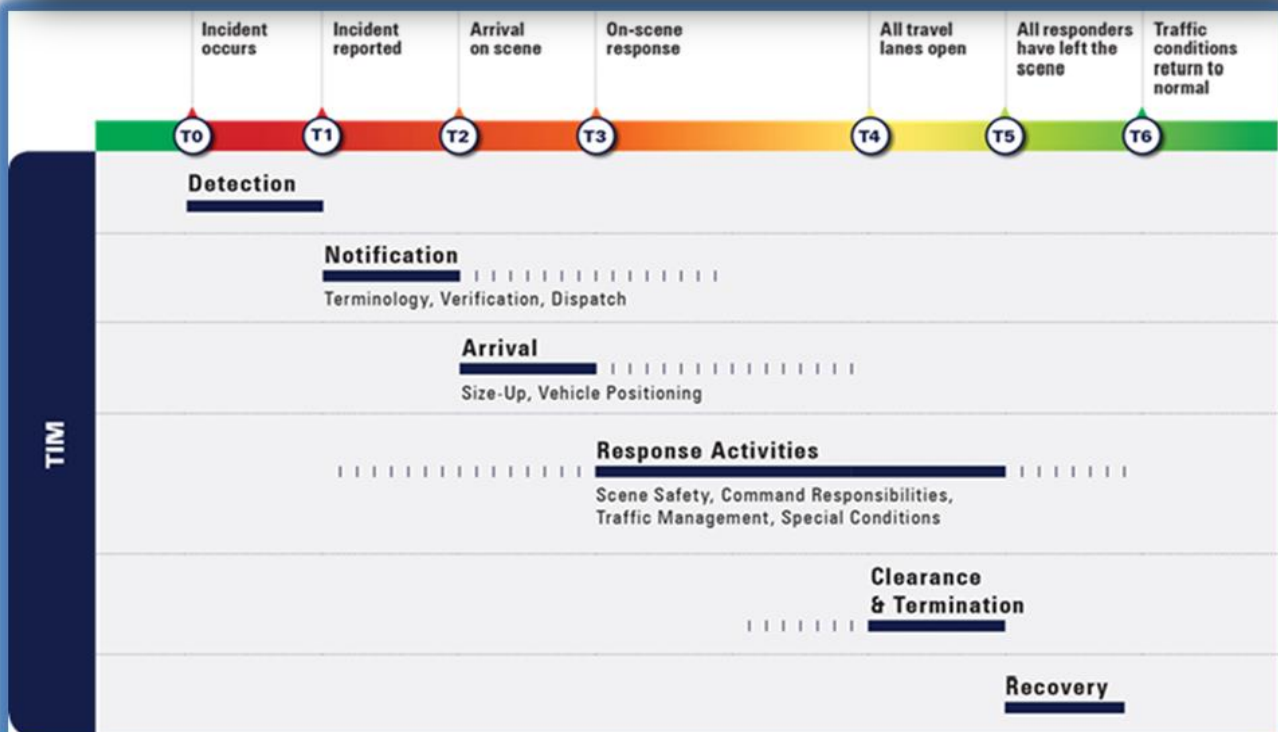
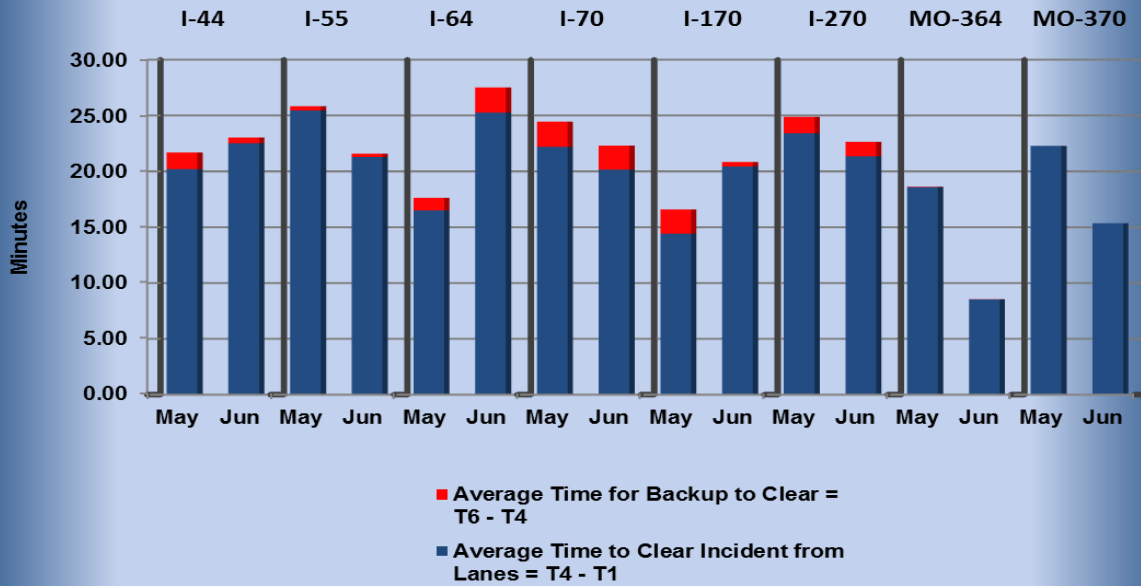
WORK ZONES





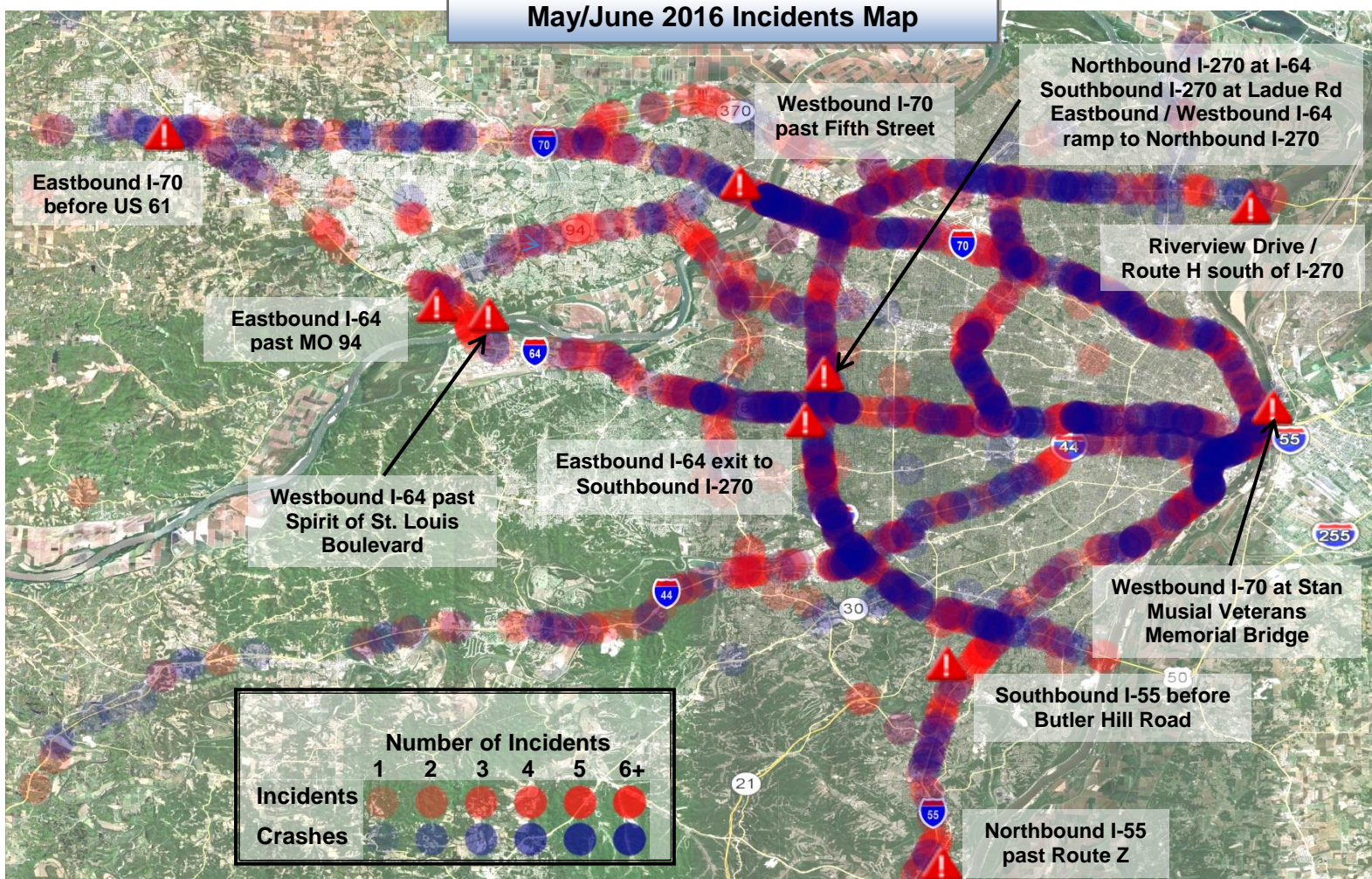
INCIDENT MANAGEMENT

May 2016 vs. June 2016
Incidents Summary



INCIDENT MANAGEMENT

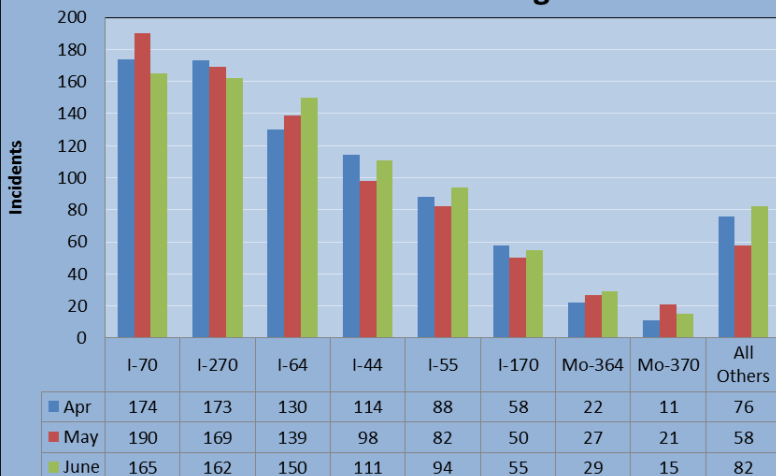
May/June 2016 Incidents Map



Denotes Location of Major Impact Traffic Incidents

Total Number of Incidents: April: 846 / May: 834 / June: 863

Total Number of Lane Blocking Incidents



Major Impact Incidents

May 2016 vs. June 2016
(3) (7)

Fatal Incidents

May 2016 vs. June 2016
(4) (4)

Tractor Trailer Incidents

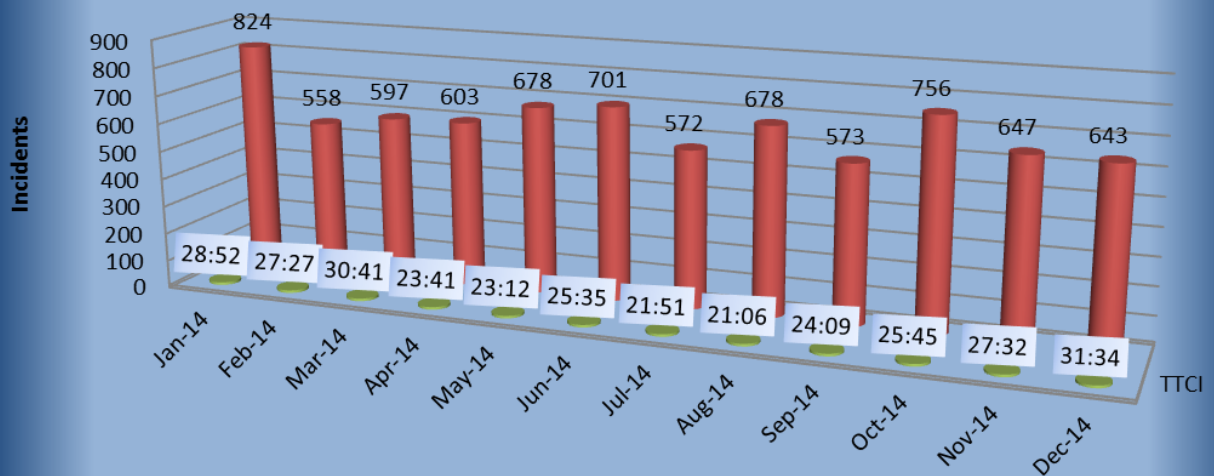
May 2016 vs. June 2016
(37) (47)

INCIDENT MANAGEMENT

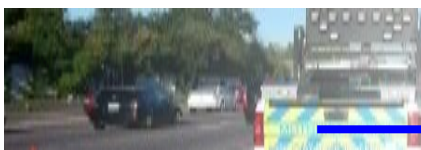
Lane Blocking Incidents by Freeway May and June 2016

Interstate	Month	Number of Incidents	Average Time to Clear Incident from Lanes = T4 - T1	Average Time for Backup to Clear = T6 - T4	Freeway Miles	Incidents per Mile
I-44	May	98	20:21	01:47	33	2.97
I-44	Jun	111	22:52	00:50	33	3.36
I-55	May	82	25:46	00:38	23	3.57
I-55	Jun	94	21:28	00:31	23	4.09
I-64	May	139	16:50	01:13	40	3.48
I-64	Jun	150	25:26	02:26	40	3.75
I-70	May	190	22:20	02:26	38	5.00
I-70	Jun	165	20:16	02:14	38	4.34
I-170	May	50	14:41	02:17	11	4.55
I-170	Jun	55	20:43	00:42	11	5.00
I-270	May	169	23:41	01:47	36	4.69
I-270	Jun	162	21:34	01:30	36	4.50
MO-364	May	27	18:58	00:04	11	2.45
MO-364	Jun	29	08:52	00:02	11	2.64
MO-370	May	21	22:28	00:00	13	1.62
MO-370	Jun	15	15:36	00:00	13	1.15
Total	May/Jun	1689	20:07	01:09	410	4.12

2014 Number of Incidents and Time to Clear Lanes



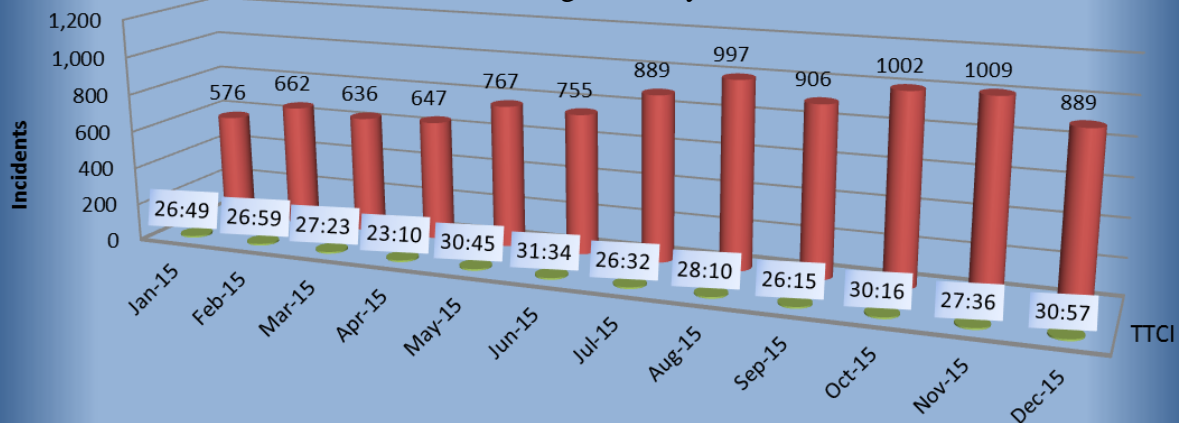
	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14
TTCI	28:52	27:27	30:41	23:41	23:12	25:35	21:51	21:06	24:09	25:45	27:32	31:34
Incidents	824	558	597	603	678	701	572	678	573	756	647	643



INCIDENT MANAGEMENT

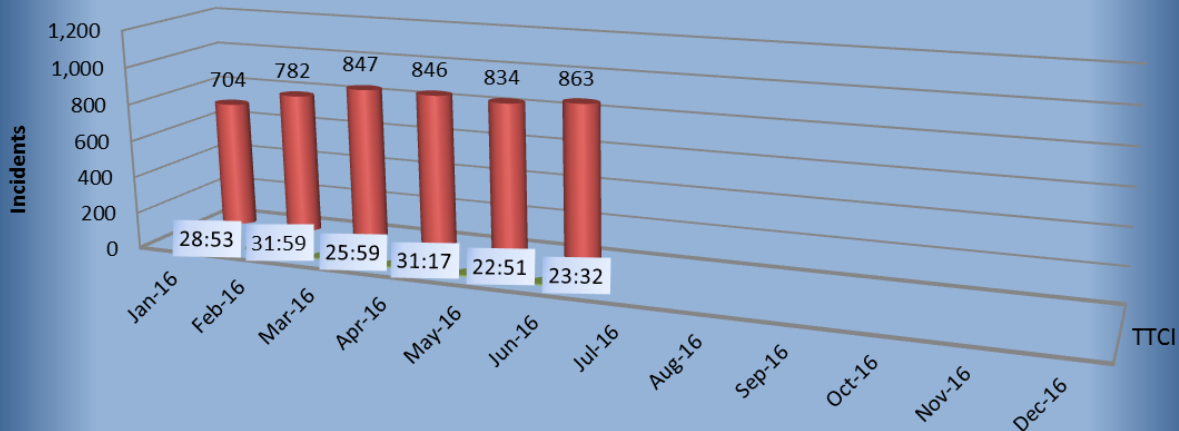
2015 Number of Incidents and Time to Clear Lanes

*Note changes in Incident reporting data began in July 2015



	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15
TTCI	26:49	26:59	27:23	23:10	30:45	31:34	26:32	28:10	26:15	30:16	27:36	30:57
Incidents	576	662	636	647	767	755	889	997	906	1002	1009	889

2016 Number of Incidents and Time to Clear Lanes



	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16
TTCI	28:53	31:59	25:59	31:17	22:51	23:32						
Incidents	704	782	847	846	834	863						




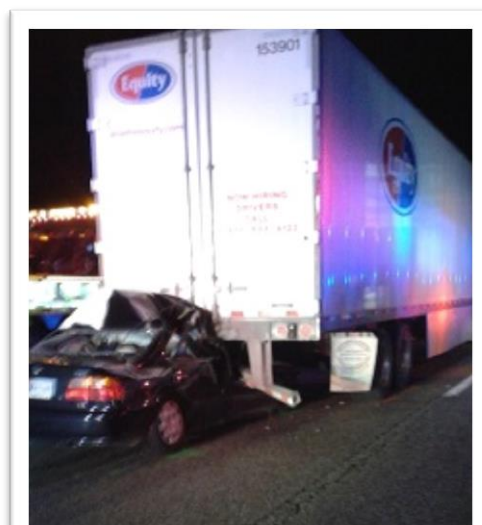
INCIDENT MANAGEMENT

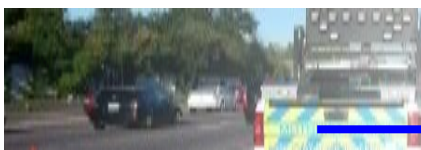
Major Impact Traffic Incidents and Mitigation

5/5/2016 (Thursday)

- **Time:** 11:57 pm – 4:16 am *** Fatality ***
- **Location:** St. Charles County – Westbound I-70 past Fifth Street
- **Event:** Two-Vehicle Crash in a Workzone
- **Estimated Initial Impact:** Non-Rush Hour: 5 of 5 travel lanes affected equals (=) 100%
- **Incident Details:** A two vehicle crash involving a tractor trailer and a passenger car. The tractor trailer had slowed for traffic in the work zone when the passenger vehicle struck the rear of it at a high rate of speed. The driver of the passenger vehicle was pronounced at the scene.
- **Action:** St. Charles City Police and Fire responded, as well as the St. Charles County Ambulance District and the MSHP. Emergency Response personnel assisted with closing all westbound lanes, and provided traffic control. Command of the scene was turned over to the MSHP who completed crash reconstruction. Duration of the incident was extended due to difficulty of removing the vehicle from under the rear of the trailer. TMC activated all available DMS and the closure was entered into TMS to alert the public. The EOC, AE, Motor Carriers, Communications, MoDOT Incident Management Coordinator, and the Work Zone Coordinator were all notified. Traffic was rerouted off at Fifth Street. Presumably, due to the time of day, there was no significant traffic impact observed.
- **Event Duration:** 4 hours 19 minutes

Westbound I-70 past Fifth St. 	Left Shoulder	Lane 1	Lane 2	Lane 3	Lane 4	Lane 5	Right Shoulder
Closed Hours/Minutes	4:15	4:15	4:15	4:15	4:15	4:15	4:15






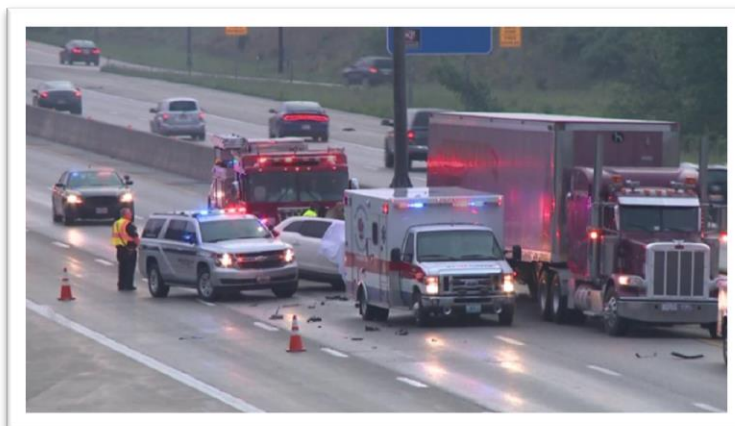
INCIDENT MANAGEMENT

Major Impact Traffic Incidents and Mitigation

5/9/2016 (Monday)

- **Time:** 6:34 pm – 12:12 am *** Fatality ***
- **Location:** St. Charles County – Eastbound I-70 before US 61
- **Event:** Two-Vehicle Crash
- **Estimated Initial Impact:** Non-Rush Hour: 3 of 3 travel lanes affected equals (=) 100%
- **Incident Details:** A two vehicle accident involving a tractor trailer and an SUV. It was reported the tractor trailer had come to a stop in the left lane in an attempt to execute several lane changes to exit the interstate after missing his exit. The driver of the SUV was unable to stop in time and struck the rear of the tractor trailer. The driver of the SUV was pronounced at the scene.
- **Action:** Wentzville Police and Fire responded, as well as the St. Charles County Ambulance District and the MSHP. Emergency Response personnel provided traffic control. An accident reconstruction was completed. Reconstructionist had to respond from Ste. Genevieve extending the duration of the incident. TMC attempted to activate the closest DMS; however, they were offline. KC Scout was contacted and they activated the closest DMS boards just outside of our district. The closure was entered into TMS to alert the public. The EOC and Motor Carriers were notified. Emergency responders were able to open one lane of traffic and the right shoulder, which alleviated the queue and reduced impacts.
- **Event Duration:** 5 hours 38 minutes

Eastbound I-70 before US 61	Left Shoulder	Lane 1	Lane 2	Lane 3	Right Shoulder
					
Closed Hours/Minutes	5:38	5:38	5:38	0:16	0:16






INCIDENT MANAGEMENT

Major Impact Traffic Incidents and Mitigation

5/13/2016 (Friday)

- **Time:** 5:41 am – 10:13 am
- **Location:** St. Louis City – Riverview Drive / Route H south of I-270
- **Event:** Two-Vehicle Crash
- **Estimated Initial Impact:** Rush Hour: 2 of 2 travel lanes affected equals (=) 100%
- **Incident Details:** A tractor trailer carrying natural gas crashed with another truck causing a leak from the natural gas tank. Extended time on scene was due to large tow required for tractor trailer and crews waiting for the natural gas to clear.
- **Action:** ER, PD, Fire, and Tow responded. Messaging of the Route H closure took place on Eastbound I-270 East of Halls Ferry and Southbound Route 367 North of Redman Road. Event entered into TMS. Notifications were made to the ER Supervisor, Incident Management Coordinator, Motor Carriers, EOC, AE and Communications staff. A text was sent to SLAdmingroup advising of the situation. IDOT emergency roadwork in the left lane at the Chain of Rocks Bridge caused a large back up. Emergency roadwork cleared around 9:56 am. The queue was around 4 miles with 16 minutes of additional travel time.
- **Event Duration:** 4 hours 32 minutes

Riverview Dr./Route H South of I-270	Left Shoulder	Lane 1	Lane 2	Right Shoulder
				
Closed Hours/Minutes	3:42	3:43	4:30	4:32






INCIDENT MANAGEMENT

Major Impact Traffic Incidents and Mitigation

6/5/2016 (Sunday)

- **Time:** 12:16 pm – 2:32 pm
- **Location:** St. Charles County – Eastbound I-64 past MO 94
- **Event:** Multi-Vehicle Crash
- **Estimated Initial Impact:** Non-Rush Hour: 3 of 3 travel lanes affected equals (=) 100%
- **Incident Details:** Multi-vehicle crash involving a tractor trailer, box truck, SUV and two cars. The box truck, SUV and cars were all stopped for a vehicle crash ahead when the tractor trailer struck the rear box truck and overturning it. The tractor trailer then struck the rear of the SUV pushing both the box truck and SUV into the two cars. The crash closed all lanes of Eastbound I-64. Three people were transported with moderate injuries.
- **Action:** The MSHP responded along with Cottleville Fire and the St. Charles County Ambulance District. Emergency Response personnel provided traffic control. The TMC messaged for the event to alert drivers. Traffic queued for approximately 4.8 miles, backing up to just before Winghaven.
- **Event Duration:** 2 hours 16 minutes

Eastbound I-64 past MO 94 	Left Shoulder	Lane 1	Lane 2	Lane 3	Right Shoulder
Closed Hours/Minutes	2:16	2:16	2:16	2:15	0:00




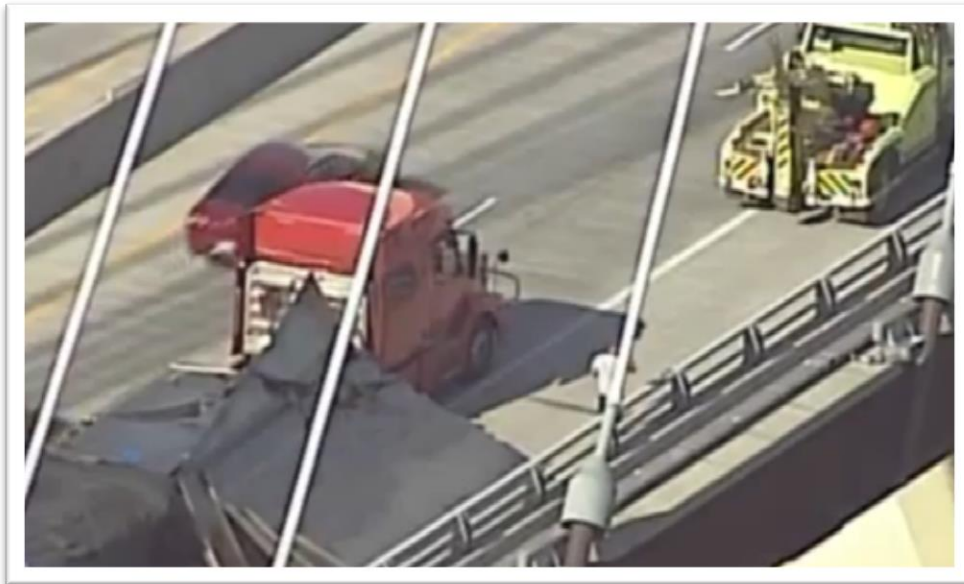
INCIDENT MANAGEMENT

Major Impact Traffic Incidents and Mitigation

6/10/2016 (Friday)

- **Time:** 7:47 am – 10:31 am
- **Location:** St. Louis City – Westbound I-70 at Stan Musial Veterans Memorial Bridge
- **Event:** Single Vehicle Crash
- **Estimated Initial Impact:** Non-Rush Hour: 2 of 2 travel lanes affected equals (=) 100%
- **Incident Details:** A tractor trailer lost a load of 45,000 lbs. of steel in the right lane of Westbound I-70 on the Stan Musial Veterans Memorial Bridge.
- **Action:** St. Louis City Police responded and Emergency Response personnel assisted with traffic control. The interstate was briefly closed so that fork lifts could lift the sheets of steel onto the loader. The TMC messaged for the incident and entered the closure into TMS to notify the public. IDOT was advised and messaged for the incident. The length of the traffic queue, if any, is unknown as it was out of view in Illinois.
- **Event Duration:** 2 hour 44 minutes

Westbound I-70 at Stan Musial Bridge 	Left Shoulder	Lane 1	Lane 2	Right Shoulder
Closed Hours/Minutes	0:20	0:20	2:44	2:44






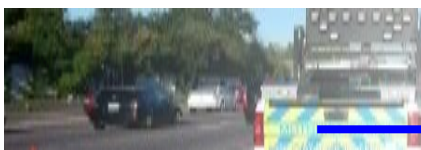
INCIDENT MANAGEMENT

Major Impact Traffic Incidents and Mitigation

6/10/2016 (Friday)

- **Time:** 6:05 pm – 9:55 pm
- **Location:** St. Louis County – Eastbound I-64 exit to Southbound I-270
- **Event:** Debris in Road – Canola Oil Spill
- **Estimated Initial Impact:** Non-Rush Hour: Exit Closed
- **Incident Details:** A tractor trailer hauling large containers of canola oil began leaking after the load shifted. It was estimated a total of 300 gallons of oil spilled onto the roadway.
- **Action:** Town and Country Police responded, along with eight Emergency Response personnel, who assisted with traffic control and clean-up. A full load of sand was used to soak up the oil. The TMC messaged for the closure. Traffic was impacted with queuing to Chesterfield Parkway.
- **Event Duration:** 3 hours 49 minutes

Eastbound I-64 exit to Southbound I-270 	Left Exit Lane	Exit Lane	Right Exit Lane
Closed Hours/Minutes	2:13	2:13	3:49




INCIDENT MANAGEMENT

Major Impact Traffic Incidents and Mitigation

6/11/2016 (Saturday)

- **Time:** 10:46 am – 2:31 pm
- **Location:** St. Louis County – Southbound I-55 before Butler Hill Road
- **Event:** Tractor Trailer Fire
- **Estimated Initial Impact:** Non-Rush Hour: 7 of 7 travel lanes affected equals (=) 100%
- **Incident Details:** Reported as a gas tanker with an engine fire. Upon arrival, the cab was fully involved and thick black smoke from the fire was blowing across Southbound I-55 and some of Northbound I-55. As a result, all lanes of Southbound I-55 were closed until the fire department could get the fire under control. The two left lanes of Northbound I-55 were also closed.
- **Action:** St. Louis County Police, MSHP, and Mehlville Fire and EMS responded. Emergency Response Personnel assisted with closing the interstate and with traffic control. The TMC messaged for the incident and entered the closure into TMS to notify the public. The EOC, AE, Communications staff, and Motor Carriers were notified. Units were able to open two left lanes of the Southbound I-55 within 35 minutes, while northbound opened up completely. Clearance delay was due to the need for a second tow truck. Traffic queued for approximately 1 mile before two additional lanes were opened. The queue then cleared quickly.
- **Event Duration:** 3 hours 45 minutes




Southbound I-55 before Butler Hill Rd. 	Lane 1	Lane 2	Lane 3	Lane 4	Lane 5	Exit 1	Exit 2	Right Shoulder
Closed Hours/Minutes	0:33	0:33	1:47	1:47	1:48	3:40	3:40	3:45



Major Impact Traffic Incidents and Mitigation

6/13/2016 (Monday)

- **Time:** 11:34 am – 2:21 pm *** Bomb Threat ***
- **Location:** St. Louis County – Northbound I-270 at I-64 /Southbound I-270 at Ladue Rd
Eastbound / Westbound I-64 ramp to Northbound I-270
- **Event:** Police Emergency
- **Estimated Initial Impact:** Non-Rush Hour: 4 of 4 travel lanes affected equals (=) 100%
- **Incident Details:** Suspicious packages were located on the helipad at Mercy Hospital. Fearing the possibility they may contain explosive devices or other hazardous materials, I-270 was requested to be closed due to the close proximity of the helipad and the safety of the passing motorist. The request came from both Creve Coeur and Town & Country police departments.
- **Action:** The closures were completed by Town & Country PD, Creve Coeur PD, Frontenac PD, and the MSHP (assisted by Emergency Response Personnel). The TMC messaged for the closures and entered them into TMS to notify the public. Communications, AE, Motor Carriers, the EOC, and all appropriate supervisors were notified. Traffic engineers assisted with signal timing on arterials. The following traffic impacts were observed: The Northbound I-270 queue was back to Route 100 with an additional travel time of about 10 minutes. The Southbound I-270 queue was back to Route 364 with an additional travel time of about 15 minutes. Additional congestion was observed via CCTV on Route 141, US 67, Route 340, Route AB, and Route 100. I-64 eastbound and westbound had very minor queuing at the I-270 ramp lanes.
- **Event Duration:** 2 hours 46 minutes

Northbound I-270 at I-64 	Lane 1	Lane 2	Lane 3	Lane 4	Right Shoulder
Closed Hours/Minutes	2:42	2:39	2:39	2:40	2:40
Southbound I-270 at Ladue Road 	Lane 1	Lane 2	Lane 3	Lane 4	Right Shoulder
Closed Hours/Minutes	2:32	2:32	2:32	2:32	2:32
Eastbound/Westbound I-64 ramp to NB I-270 	Left Exit Lane	Right Exit Lane			
Closed Hours/Minutes	2:31	2:43			




INCIDENT MANAGEMENT

Major Impact Traffic Incidents and Mitigation

6/17/2016 (Friday)

- **Time:** 1:52 pm – 6:12 pm
- **Location:** Jefferson County – Northbound I-55 past Route Z
- **Event:** Single -Vehicle Crash with Secondary Crash
- **Estimated Initial Impact:** Rush Hour: 3 of 3 travel lanes affected equals (=) 100%
- **Incident Details:** Tractor trailer left the east side of the roadway into the ditch and brush.
- **Action:** Police, fire and EMS responded as did Emergency Response personnel who assisted with traffic control. TMC messaged for the accident and subsequent closure on DMS and entered it into TMS to alert the public. Delay in clearance was due to complications removing the tractor trailer from the ditch and damage done to the pavement by the tow truck. The northbound traffic queue reached a length of 4 miles, with a secondary crash in the queue. Once the incident cleared, it took approximately 37 minutes for traffic to return to normal.
- **Event Duration:** 4 hours 19 minutes

Northbound I-55 past Route Z	Left Shoulder	Lane 1	Lane 2	Lane 2	Right Shoulder
					
Closed Hours/Minutes	2:26	2:28	2:28	3:42	3:42






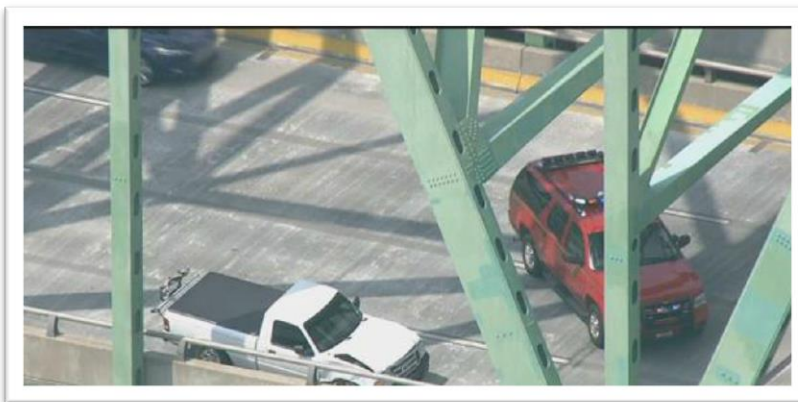
INCIDENT MANAGEMENT

Major Impact Traffic Incidents and Mitigation

6/23/2016 (Thursday)

- **Time:** 9:44 am – 1:51 pm *** Fatality ***
- **Location:** St. Louis County – Westbound I-64 past Spirit of St. Louis Boulevard
- **Event:** Vehicle Crash/Motorist Struck
- **Estimated Initial Impact:** Non-Rush Hour: 3 of 3 travel lanes affected equals (=) 100%
- **Incident Details:** A driver struck a tire while driving over the Boone Bridge and it became lodged under her vehicle. She got out of her vehicle to look at the problem when she was struck by another vehicle and was pronounced at the scene. As a result, Westbound I-64 was closed for reconstruction.
- **Action:** Chesterfield Police, MSHP, St. Charles County Police, and Monarch Fire and EMS responded. MoDOT Emergency Response Personnel responded to assist with the closure and traffic control. All Westbound I-64 traffic was shutdown at Spirit of St. Louis Boulevard and directed to the Spirit exit, on the overpass, back onto Eastbound I-64 and detoured to Northbound Route 141 to Westbound Route 364. Traffic Engineer adjusted the signals along Route 141 and Boones Crossing. TMC messaged for the accident, using the DMS on Westbound I-64 east of Boland Place. Communications staff, AE, Motor Carriers, the EOC, and all appropriate supervisors were notified. The traffic queue reached approximately 2.5 miles to just east of Long Road. Motorists also experienced additional travel times on Route 141 from MO 340 to MO 364.
- **Event Duration:** 4 hours 7 minutes

Westbound I-64 past Spirit of STL Blvd. 	Lane 1	Lane 2	Lane 3	Lane 4	Right Shoulder
Closed Hours/Minutes	3:12	3:19	4:02	4:07	4:07



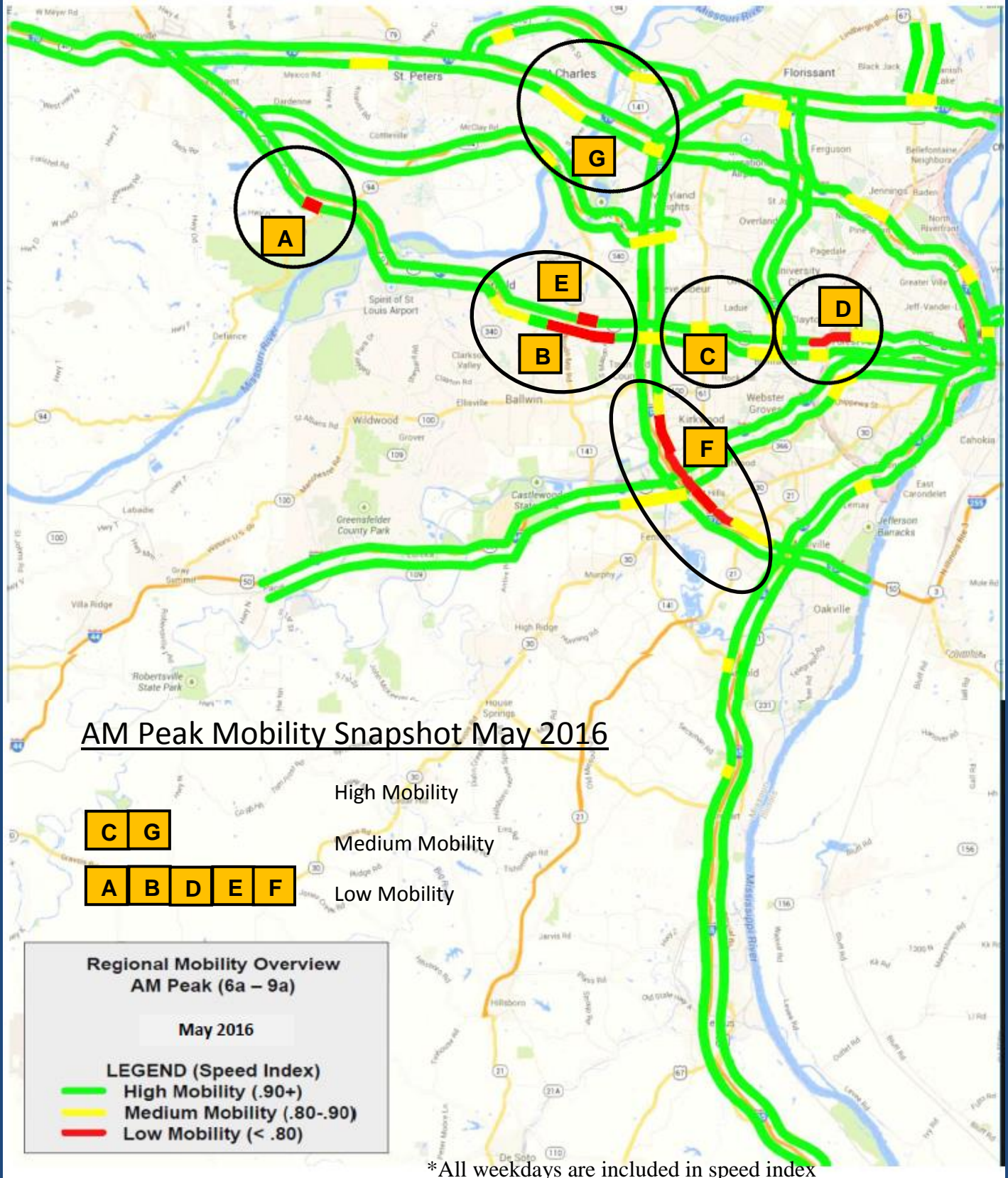


INCIDENT MANAGEMENT

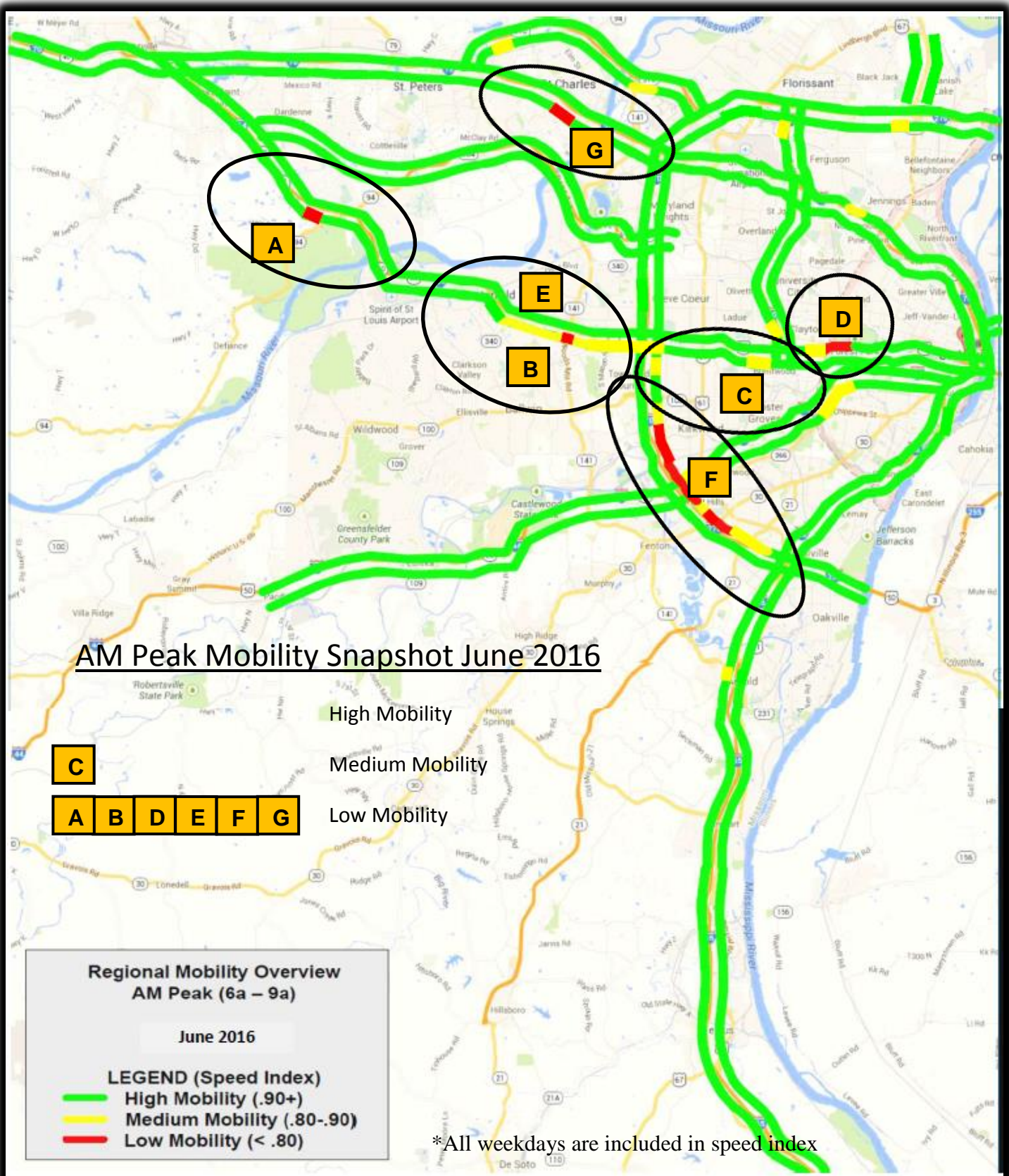
Major Impact Traffic Incidents and Mitigation



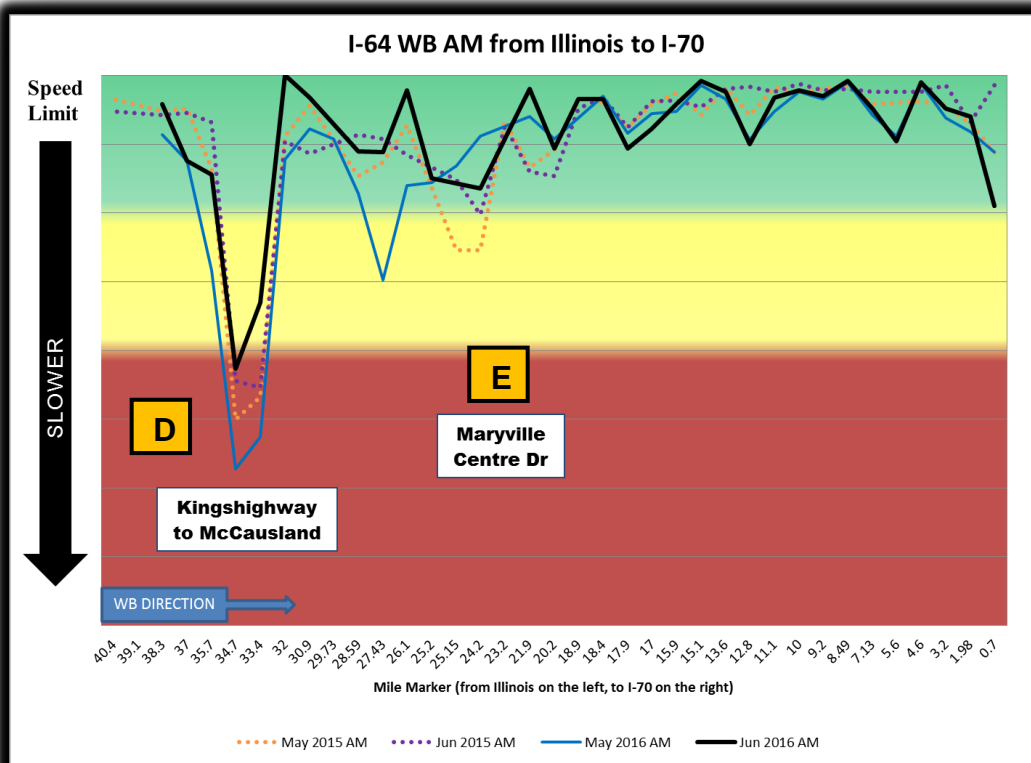
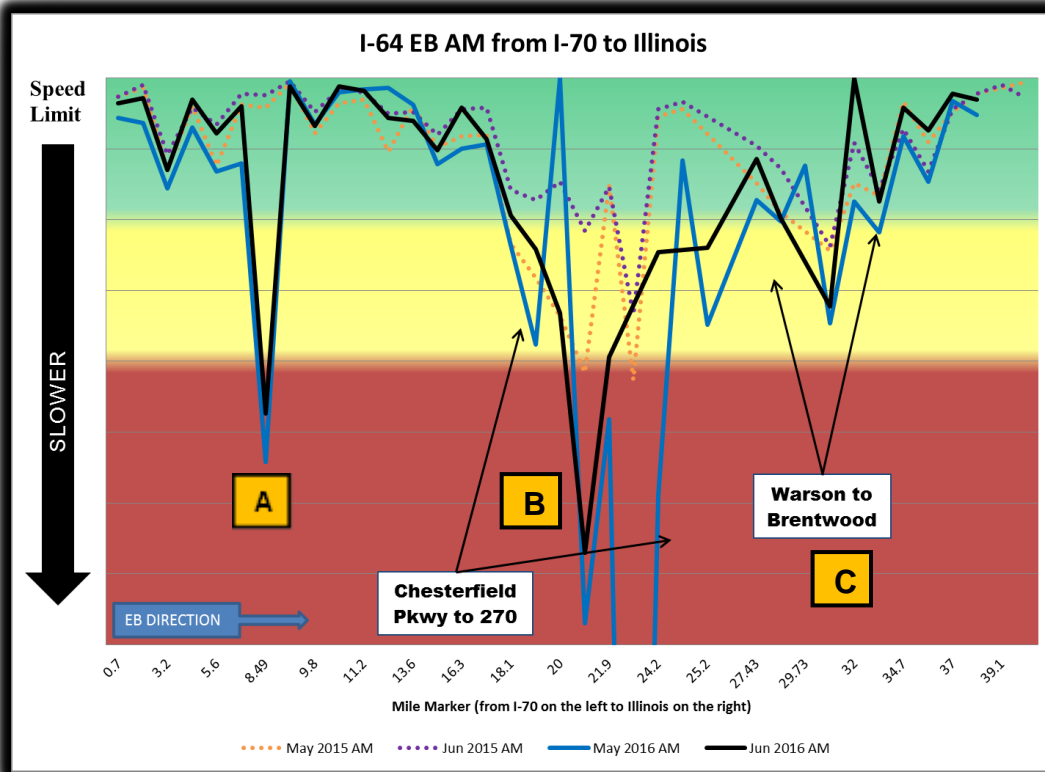
FREEWAY MANAGEMENT



FREEWAY MANAGEMENT

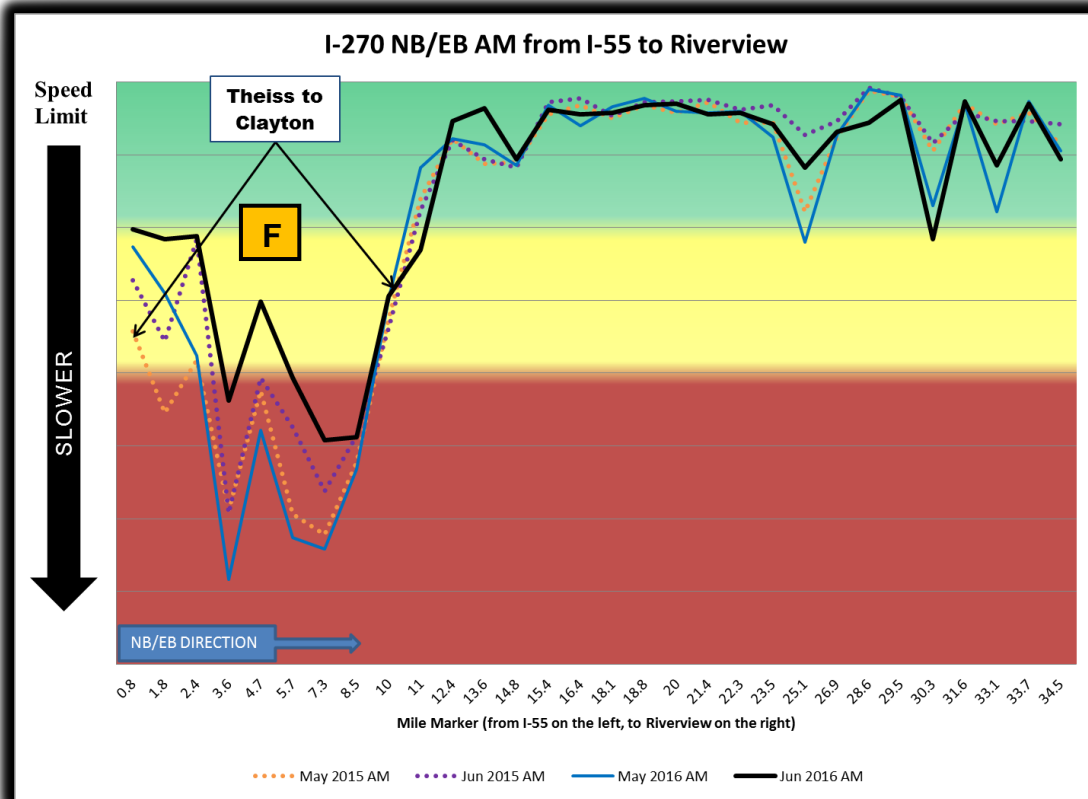


FREEWAY MANAGEMENT

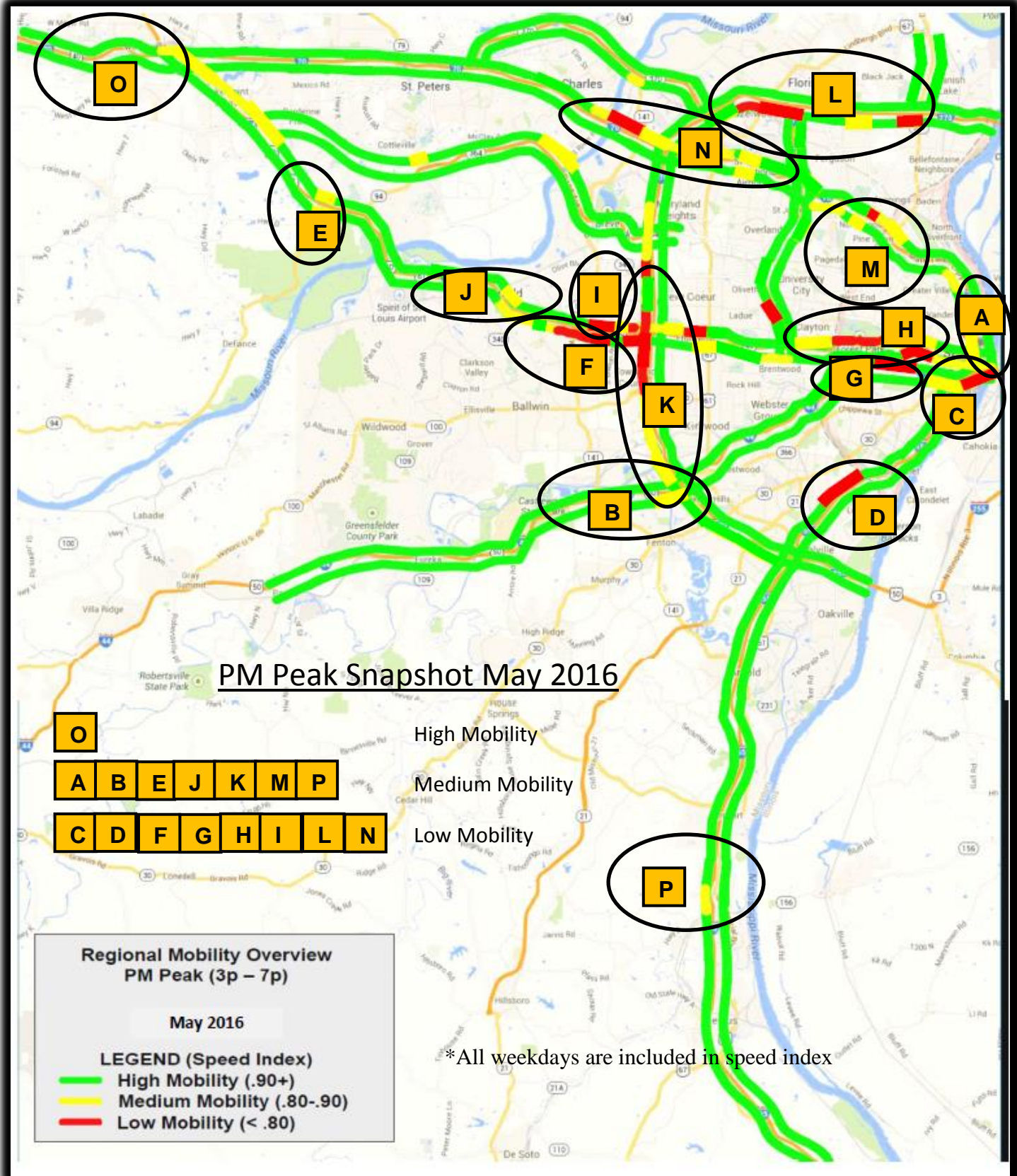




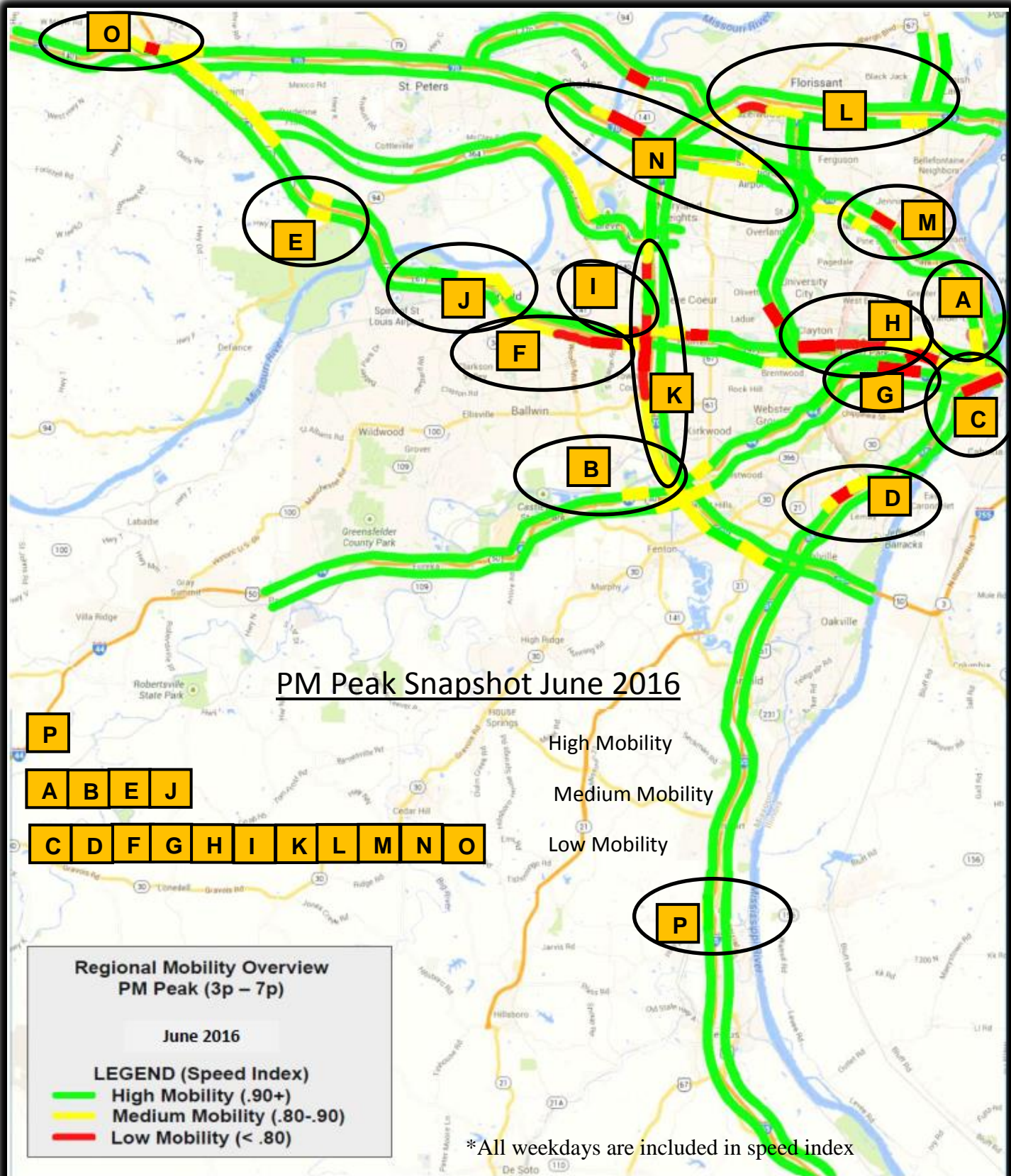
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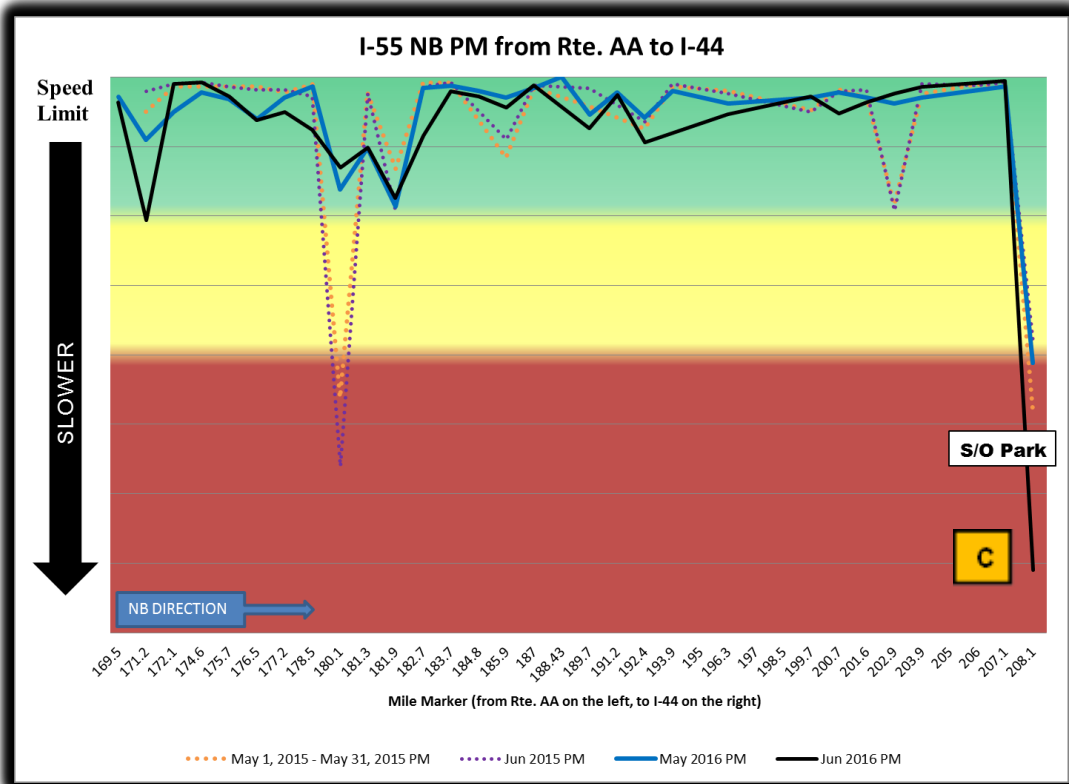
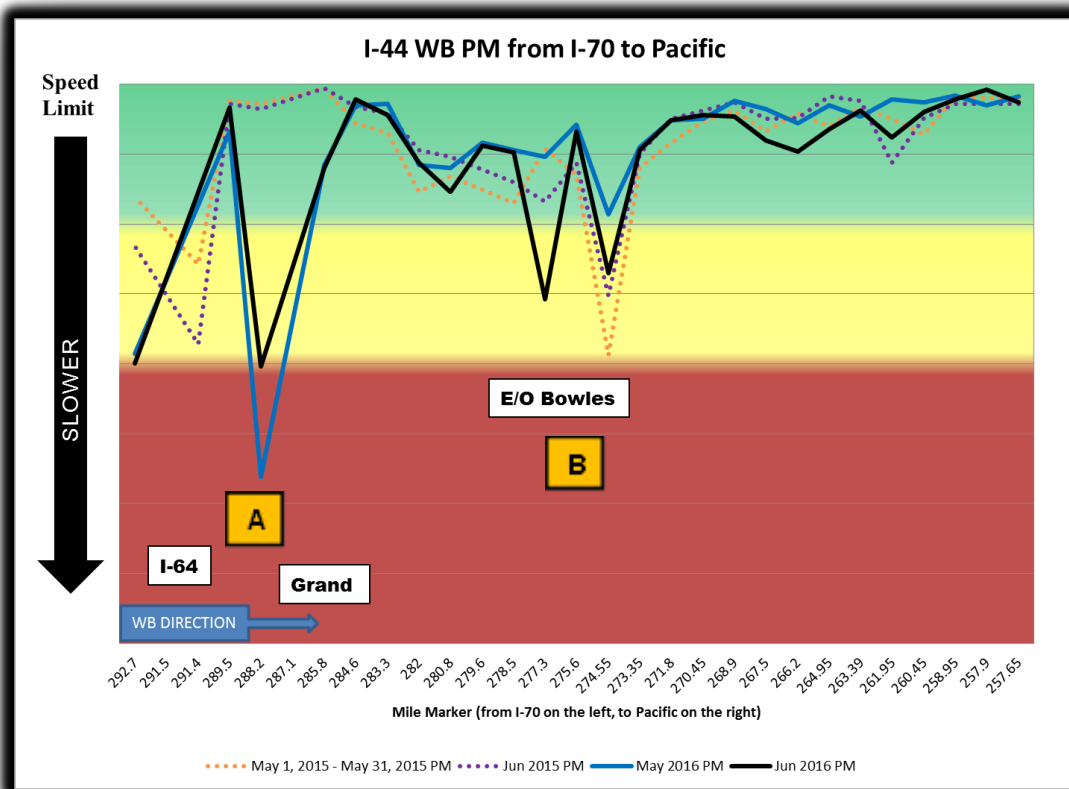
FREEWAY MANAGEMENT



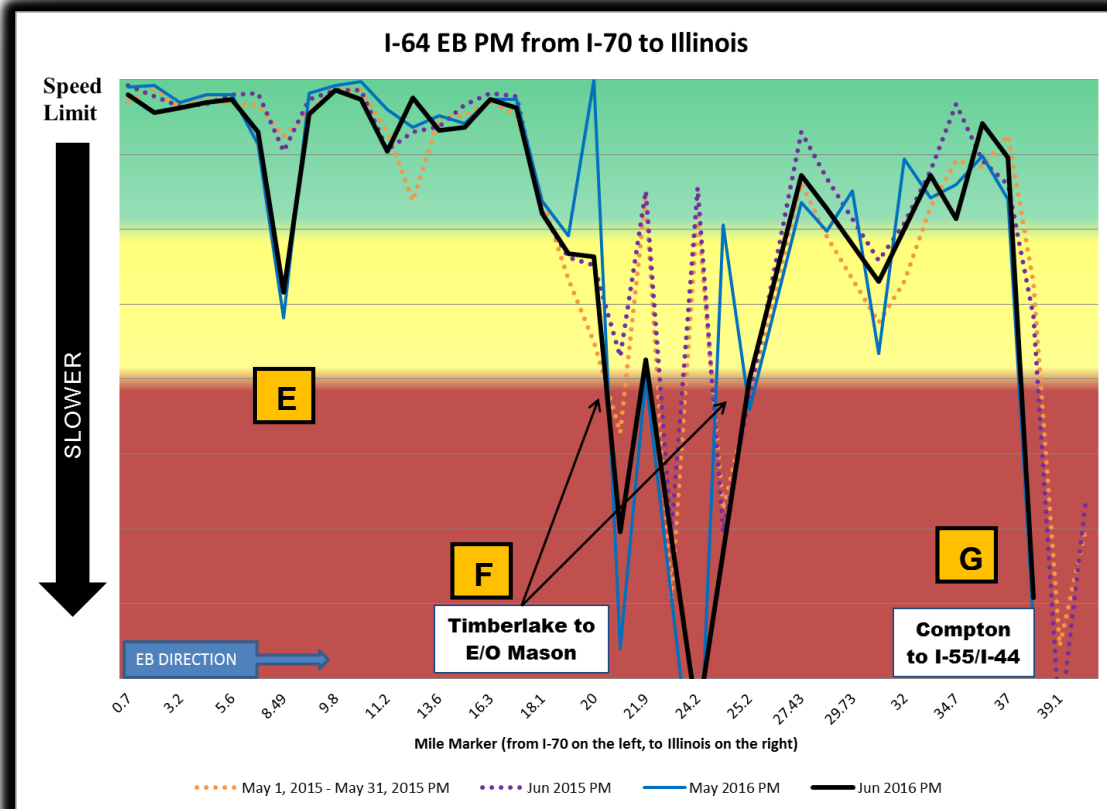
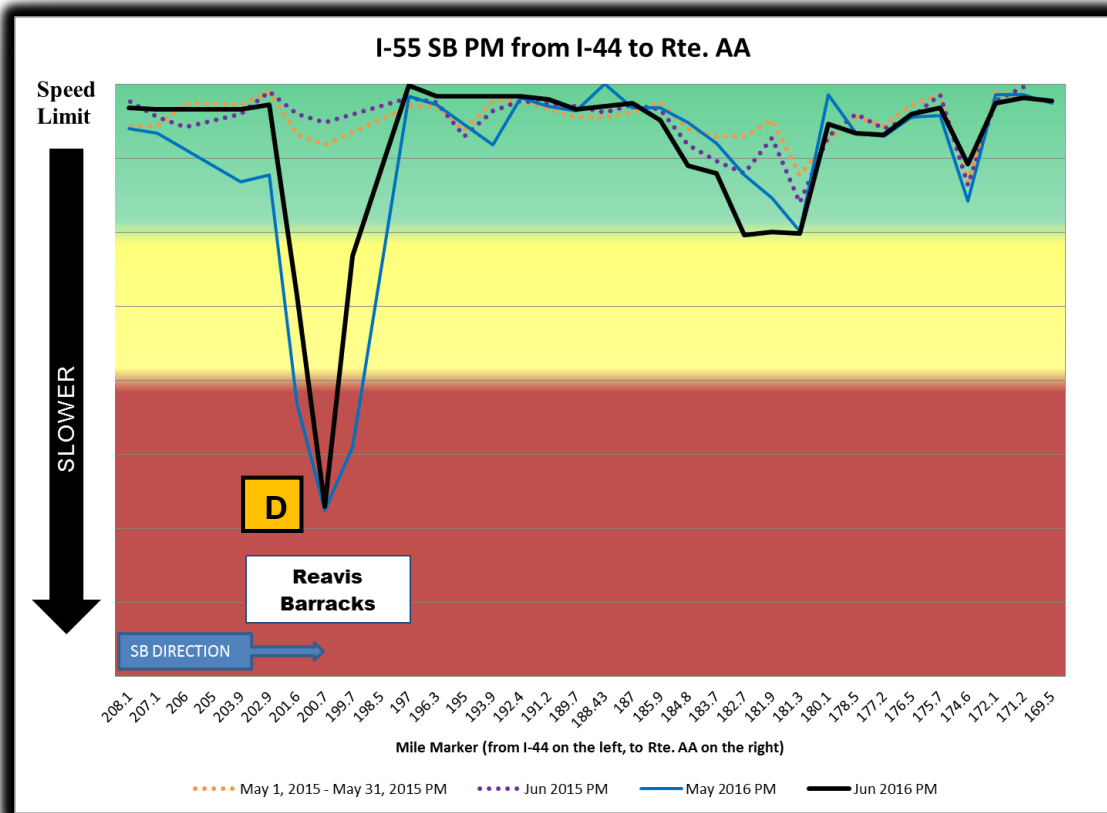
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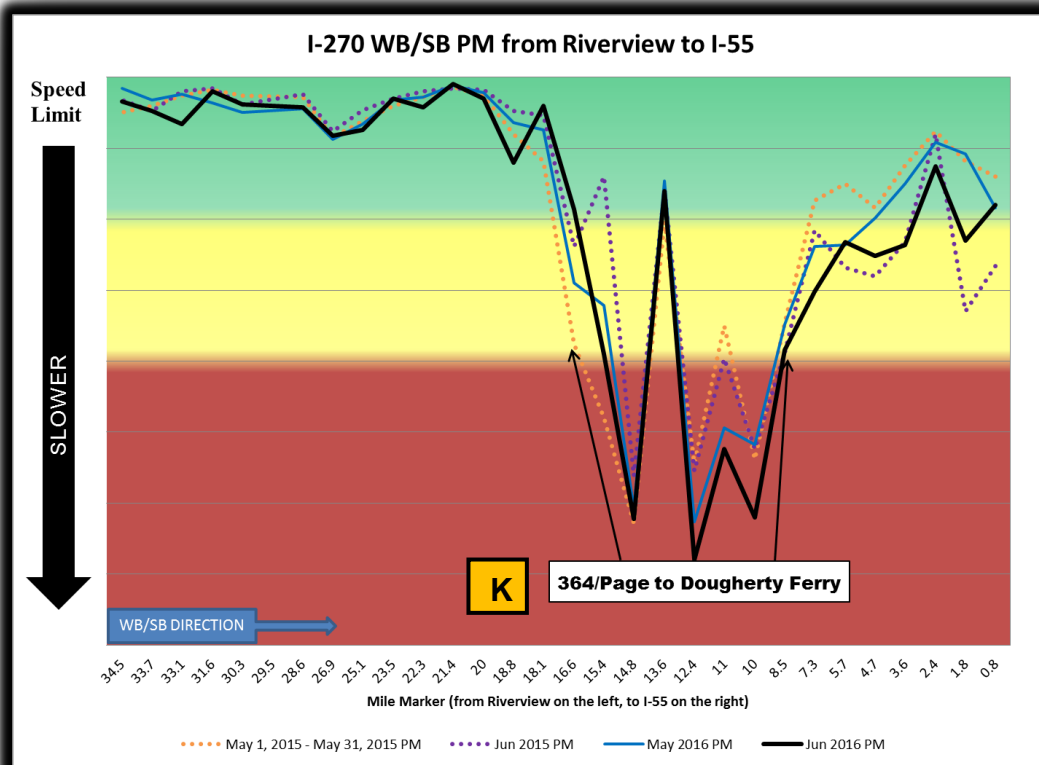
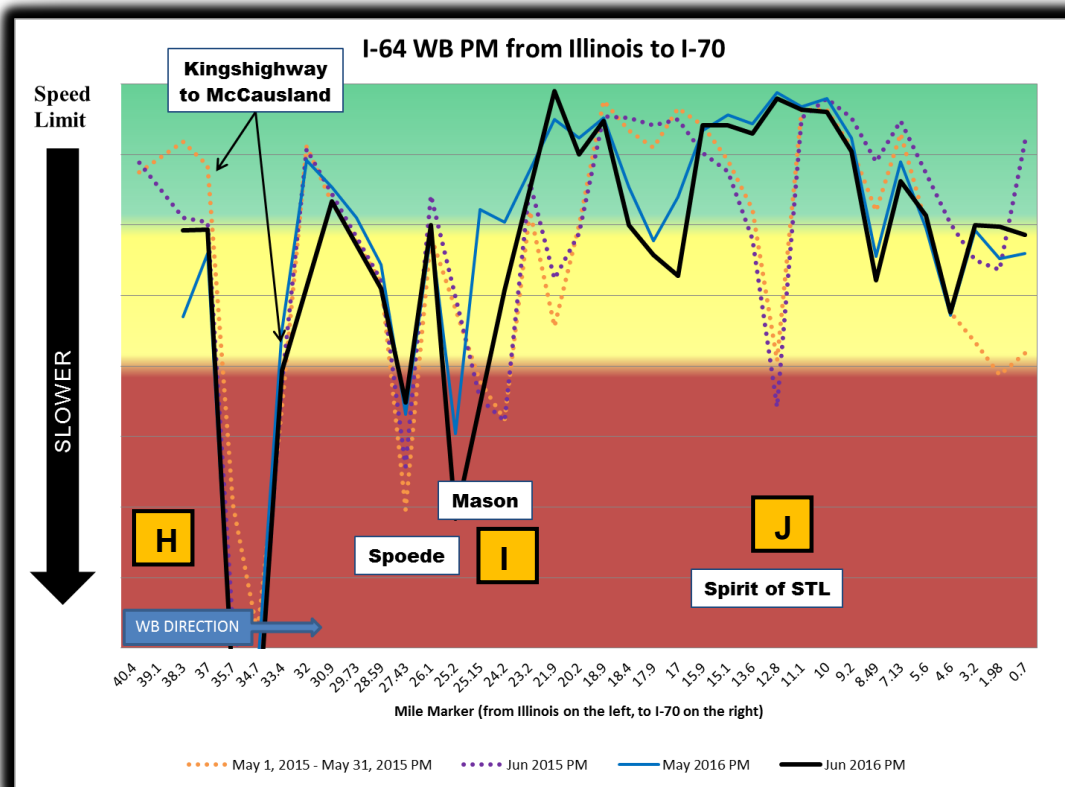
FREEWAY MANAGEMENT



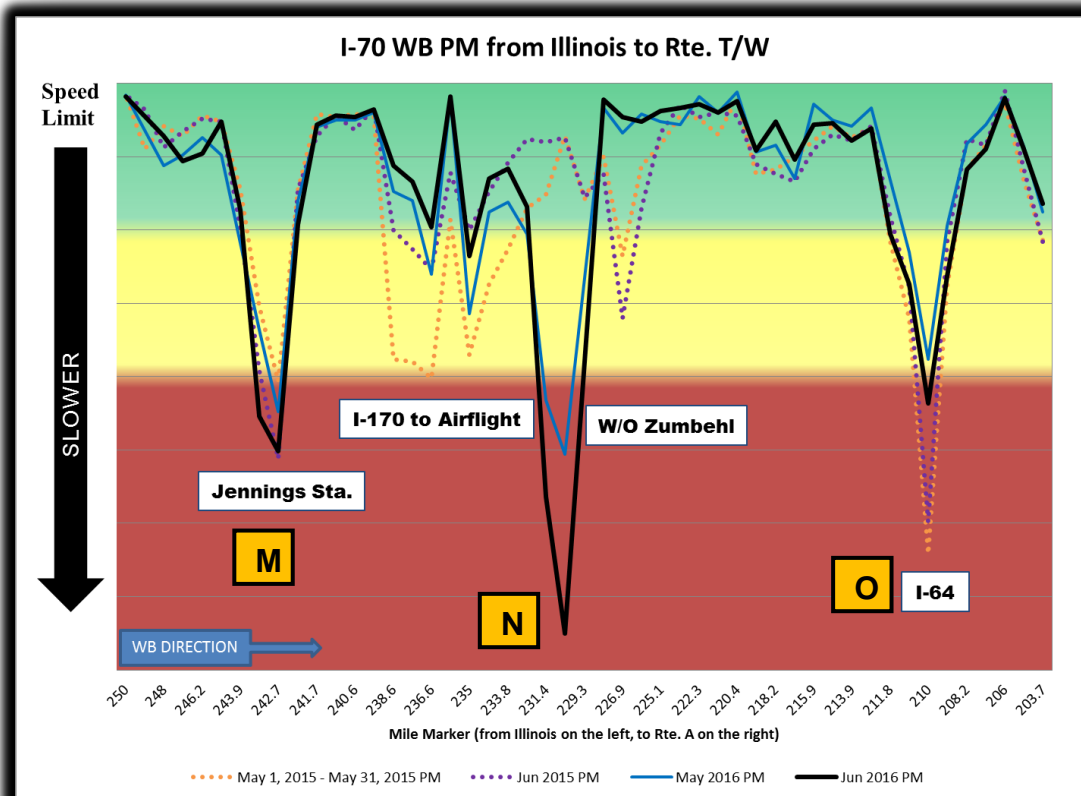
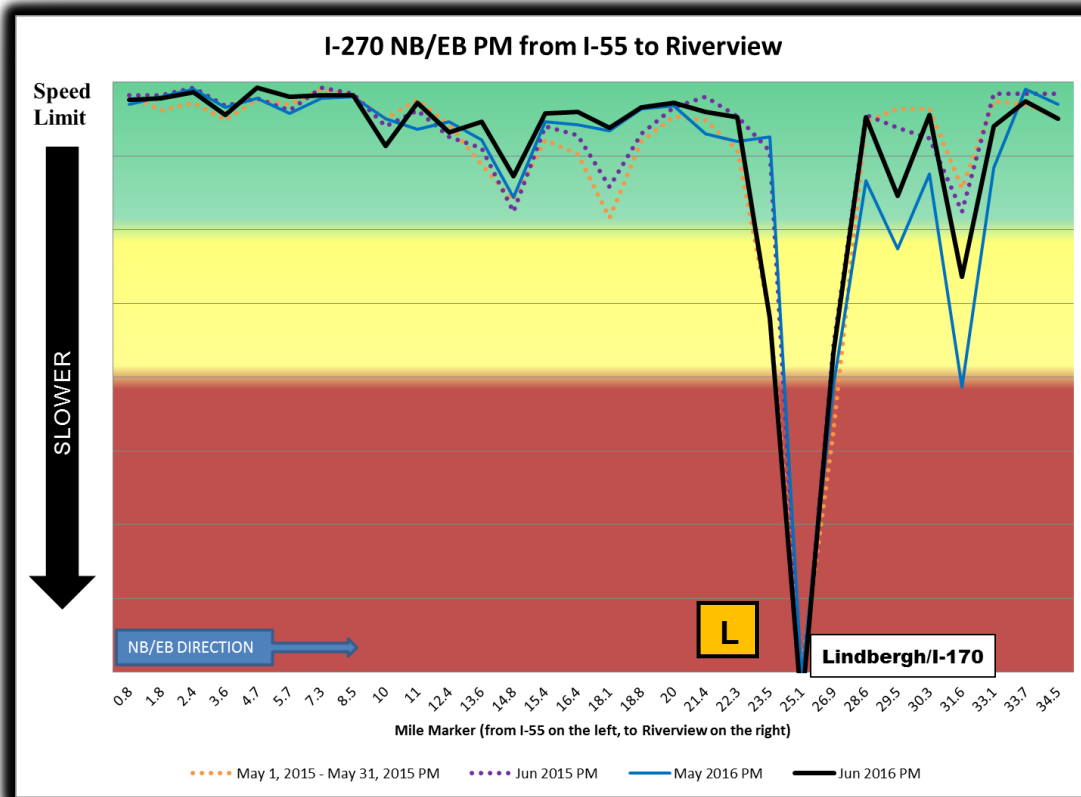
FREEWAY MANAGEMENT



FREEWAY MANAGEMENT

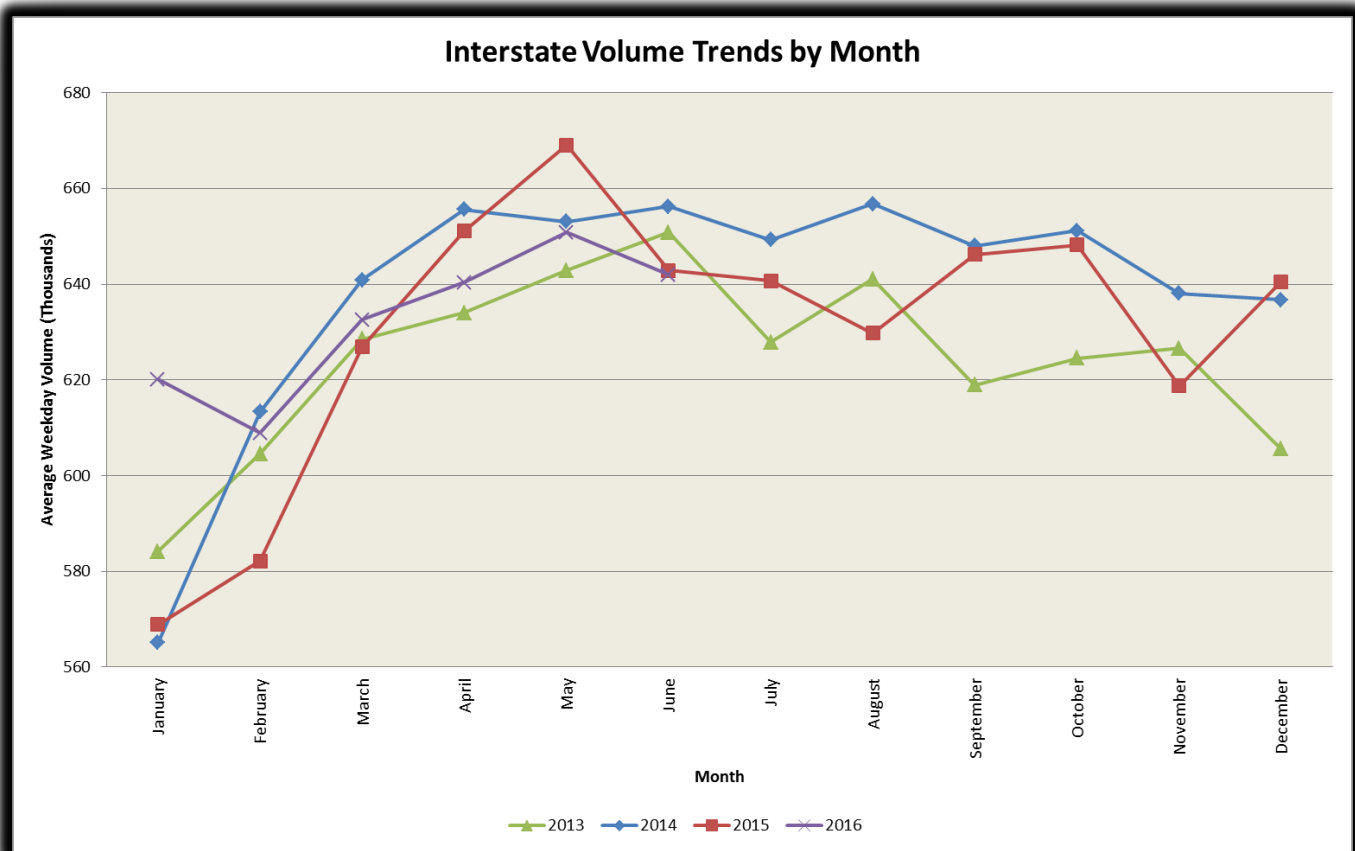


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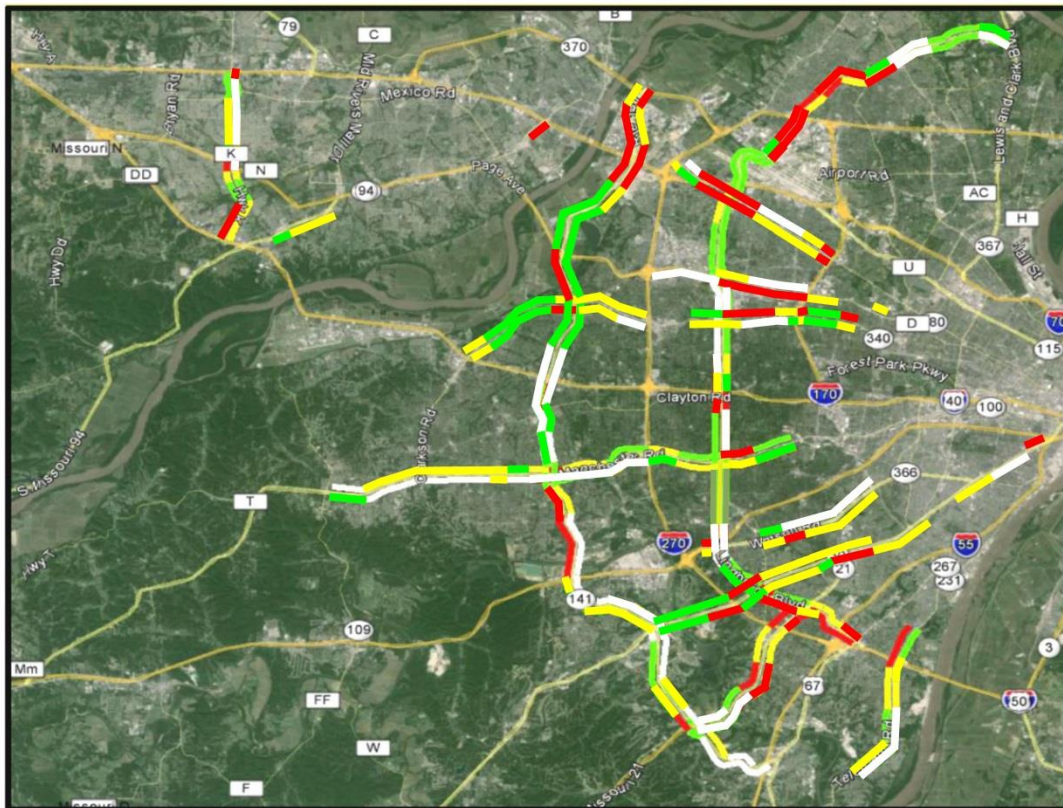


FREEWAY MANAGEMENT



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ARTERIAL MANAGEMENT

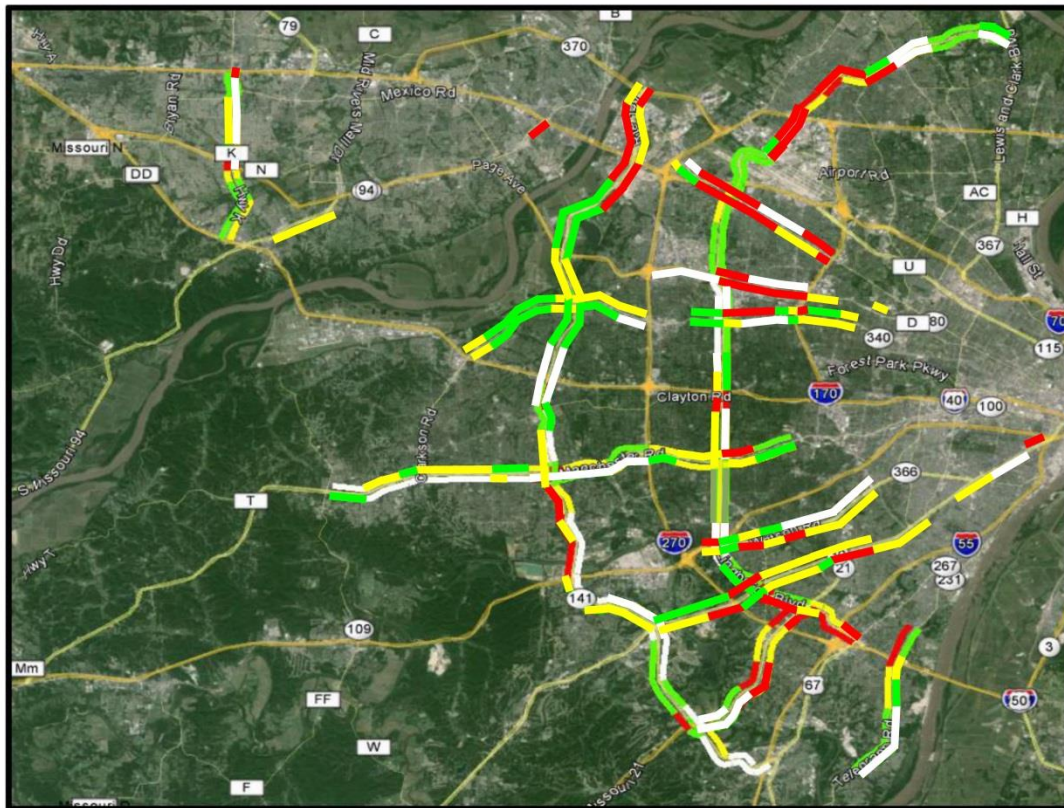


Arterial Mobility Overview
AM Peak (6a – 9a)

May 2016

LEGEND (Travel Time Index)
High Mobility (<1.25)
Medium Mobility (1.25-1.75)
Low Mobility (1.75+)
Data Unavailable

ARTERIAL MANAGEMENT

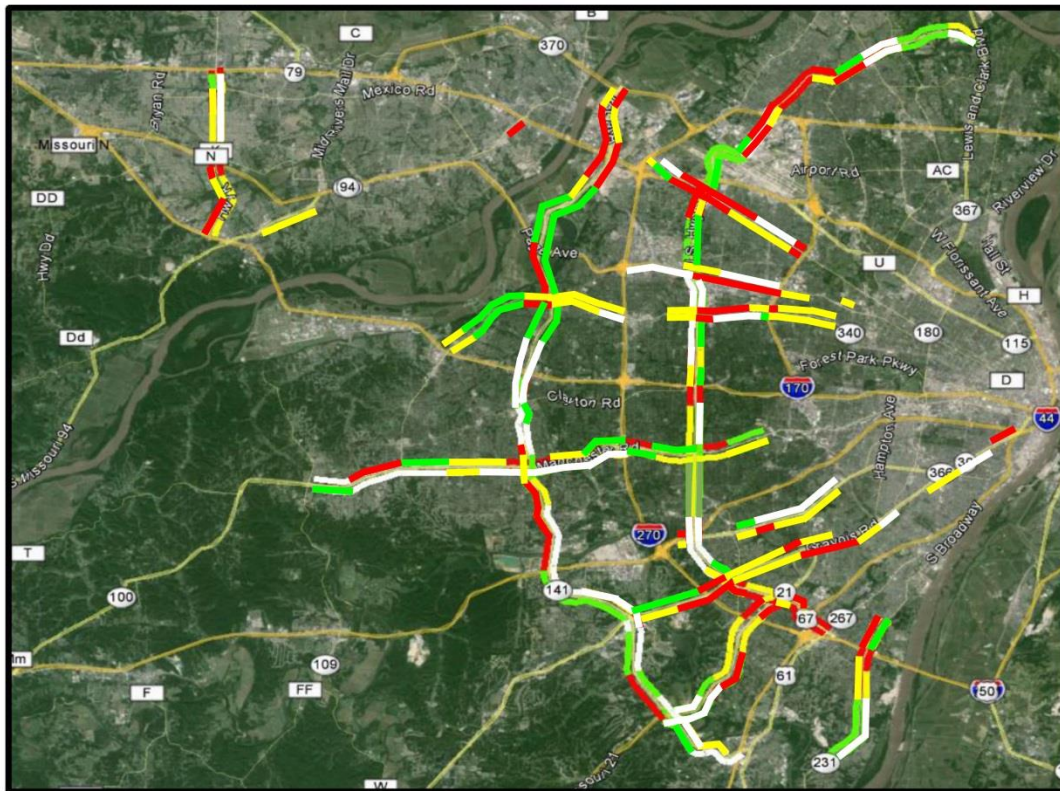


Arterial Mobility Overview
AM Peak (6a – 9a)

June 2016

LEGEND (Travel Time Index)
High Mobility (<1.25)
Medium Mobility (1.25-1.75)
Low Mobility (1.75+)
Data Unavailable

ARTERIAL MANAGEMENT

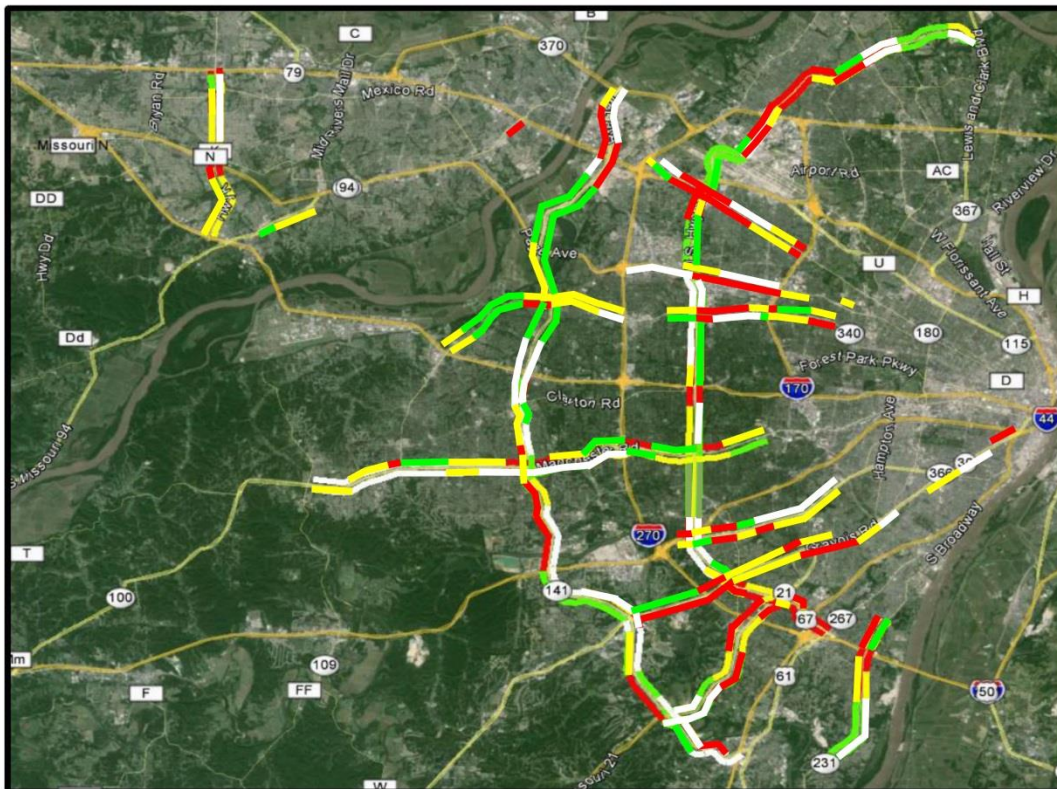


Arterial Mobility Overview
PM Peak (3p – 7p)

May 2016

LEGEND (Travel Time Index)
High Mobility (<1.25)
Medium Mobility (1.25-1.75)
Low Mobility (1.75+)
Data Unavailable

ARTERIAL MANAGEMENT



Arterial Mobility Overview
PM Peak (3p – 7p)

June 2016

LEGEND (Travel Time Index)
High Mobility (<1.25)
Medium Mobility (1.25-1.75)
Low Mobility (1.75+)
Data Unavailable



Work Zones

Whenever additional travel time is reported, this additional time shall be evaluated using this chart and adequate mitigation measures should begin within the parameters of this chart. TMC and field personnel are partners in the mitigation of traffic and notification of additional travel times should trigger the appropriate response from both parties.

Chart is designed to be an additional travel time reference to establish parameters for gauging the travel impact through work zones and to provide guidance for taking mitigation actions. Travel times can be collected or reported via Blue Toad technology, field personnel, call reports, ITS, TMC cameras, etc.

Major and Moderate impacts trigger an IAR (Immediate Action Required) event. IAR means work zone user and TMC partner together to take immediate actions to reduce or eliminate distress. During an IAR event mitigation procedures can range from increased driver notification up to and including removal of work zone. Additional mitigation procedures may require involvement of administration through use of the work zone resolution ladder.

Level of Impact	Additional Travel Time Expected	Mitigation Actions
<p>Major (Red) <u>IAR Event</u></p> <p>SEVERE DISTRESS PRESENT</p> <p>Return of roadway to free flow traffic is Priority #1</p>	<p>15 minutes or above</p> <p>TMC and field personnel take all steps possible up to and including removal of lane closure to achieve free flow threshold</p>	<p>Immediate Action Required</p> <p>Supervisory mitigation assistance is required using the St. Louis District Work Zone Resolution Ladder as a tool to restore free flow traffic threshold</p>
<p>Moderate (Yellow) <u>IAR Event</u></p> <p>CAUTIONARY STAGE:</p> <p>Action required by Field/ TMC to prevent escalation to a major event</p>	<p>10 – 14 minutes</p> <p>TMC increases driver messaging. Field begins efforts to restore free flow traffic</p>	<p>TMC and field shall reach a consensus on mitigation success within 15 minutes or less. If a consensus cannot be reached, mitigation should be scaled upwards in accordance with the St. Louis District Work Zone Resolution Ladder</p>



DATA KEY

Incident Levels

Major Impact Traffic Incident – Road closure > 2 hours

Major traffic incidents are typically traffic incidents involving hazardous materials, fatal traffic crashes involving numerous vehicles, and other natural or man-made disasters. These traffic incidents typically involve closing all or part of a roadway facility for a period exceeding 2 hours.

Moderate Impact Traffic Incident – Blocked travel lanes/closure 30 min – 2 hours

Moderate traffic impact incidents typically affect travel lanes for a time period of 30 minutes to 2 hours, and usually require traffic control on the scene to divert road users past the blockage. Full roadway closures might be needed for short periods during traffic incident clearance to allow traffic incident responders to accomplish their tasks.

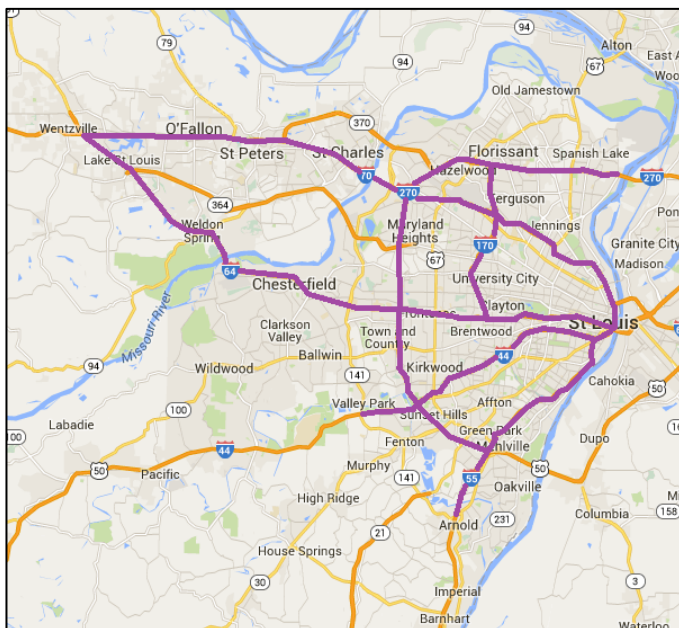
Minor Impact Traffic Incident – Lane closures < 30 minutes

Minor traffic incidents are typically disabled vehicles and minor crashes that result in lane closures of less than 30 minutes. On-scene responders are typically law enforcement and towing companies, and occasionally highway agency service patrol vehicles.



Worst Time to Travel Clocks

- The clocks found on the speed charts depict the progression of travel speeds during the commute peak period at the worst congestion location along the route.
- For example, the clock on the left depicts conditions worsening at a particular location beginning at 6:30 a.m. with the slowest speeds between 7 a.m. and 8:15 a.m. Conditions improved at 8:45 a.m.



The focus area for calculating the average 24 hour volumes was revisited in 2015 and consolidated to the more urban interstates of the St. Louis District. For example, data is generated from detectors on I-44 east of MO 141 (previously included all available in the District).



Definitions

ACTRA – Traffic signal management software program

Alert – Email message sent regarding an incident or event on the roadway

Arterial – Missouri State Highway Numbered Routes, not fully access controlled

Arterial Device – ITS equipment located along MoDOT arterials

Defined Sensor – A single sensor with an individual ID focused on a particular roadway; multiple defined sensors may be located at one physical sensor location

DMS – Dynamic Message Signs along highway displaying incident and travel time information

DNR – Department of Natural Resources

Driver messaging – Messages placed on DMS boards to alert drivers of incidents ahead of their direction of travel

EOC – Emergency Operations Center operated by MoDOT in Jefferson City

EMS – Emergency Medical Services

ER – MoDOT's Emergency Response units that provide emergency assistance, incident management and traffic control to mitigate incidents and restore free flow traffic within the St. Louis region

Freeway Device – ITS device located along a MoDOT freeway, such as interstates and other fully access controlled highways

Gatewayguide.com – Gateway Guide's website for local St. Louis area traffic information

GGL – Gateway Green Light is the St. Charles County regional integrated corridor management for a cooperative multi-jurisdictional effort to better manage and coordinate travel on the interstates (I-70, I-64), state routes (MO 94, MO 364, MO 370, US 61) and local arterials through the installation of Intelligent Transportation Systems (ITS) in Cottleville, Dardenne Prairie, Lake St. Louis, O'Fallon, St. Charles, St. Peters, and Wentzville.

GuidePost – Area of report highlighting important mobility topics for the month

IDOT – Illinois Department of Transportation

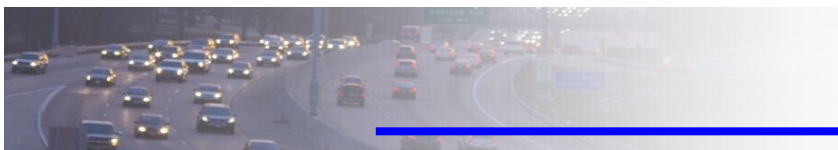
KC Scout – Gateway Guide's counterpart for the greater Kansas City Metropolitan area, a collaboration involving both MoDOT and the Kansas DOT

Mobility – Ease of movement over roadway, through system, and or work zone

MRB – Mississippi River Bridge under construction north of downtown St. Louis

MSHP – Missouri State Highway Patrol

Observed Work zone – Work zone tracked by traffic cameras at the TMC



DATA KEY

Peak Average – Daily speed sensor readings over an entire weekday average commute period averaged for an entire month

PSB – Poplar Street Bridge

Regional Mobility Overview – Map depicting congestion areas based on speed index ratings derived from speed sensor readings

SL – Designation for the St. Louis District

Speed Index – a ratio of the speed at which vehicles travel during a period to the speed at free-flow conditions

Stats to Watch – Area of report highlighting interesting trends for the report month, or data to be closely followed

STLtraffic – Email group consisting of Gateway Guide personnel and Gateway Guide's media partners, messages sent to the group are also posted on Twitter

TMC – Traffic Management Center (also referred to as Gateway Guide)

TMC Alert – Email alert sent to an internal group of Gateway Guide personnel

TMS – Traveler Map System is MoDOT's internal software for entering work zones and road conditions to populate the Traveler Information Map at www.traveler.modot.org/map

Travel Time Index – A ratio of the actual time to travel a corridor compared to travel time at posted speed limit without stops used

Visibility – Concerning placement of traffic signs, signals, devices, barricades and warning lights for safety within work zone or construction area to help motorist and workers move within a work zone safely; Clearly visible and legible, distinguishable to approaching traffic during day and night, aligned with road user's line of vision, and positioned as to not obstruct other applicable traffic control devices. Must meet MUTCD standards for condition and must be covered, turned or properly stowed when not in use.

Zoning In – section of report highlighting important construction topics for the report month

I-70 Mile Markers

ST. CHARLES COUNTY		I-70 DISTRICT 6 WESTBOUND	I-70 DISTRICT 6 EASTBOUND	ST. CHARLES COUNTY	
5TH ST SOUTH (ST. CHARLES)	229A			229A	5TH ST SOUTH (ST. CHARLES)
5TH ST NORTH (ST. CHARLES)	229B			229B	5TH ST NORTH (ST. CHARLES)
ST. LOUIS COUNTY				ST. LOUIS COUNTY	
BLANCHETTE BRIDGE	230			230	BLANCHETTE BRIDGE
EARTH CITY EXPRESSWAY SOUTH	231A			231A	EARTH CITY EXPRESSWAY SOUTH
EARTH CITY EXPRESSWAY NORTH	231B			231B	EARTH CITY EXPRESSWAY NORTH
I-270	232			232	I-270
MCKELVEY RD OVERPASS (BRIDGETON)	233			233	MCKELVEY RD OVERPASS (BRIDGETON)
RTE 180/ST. CHARLES ROCK RD (BRIDGETON)	234			234	RTE 180/ST. CHARLES ROCK RD (BRIDGETON)
US 67 SOUTH (BRIDGETON)	235A			235A	US 67 SOUTH (BRIDGETON)
US 67 NORTH (BRIDGETON)	235B			235B	US 67 NORTH (BRIDGETON)
CYPRESS RD (BRIDGETON)	235C			235C	CYPRESS RD (BRIDGETON)
AIRFLIGHT (ST. ANN)	236			236	AIRFLIGHT (ST. ANN)
MCDONNELL OVERPASS (BERKELEY)	237			237	MCDONNELL OVERPASS (BERKELEY)
LAMBERT AIRPORT (BERKELEY)	238A			238A	LAMBERT AIRPORT (BERKELEY)
I-170 NORTH (BERKELEY)	238B			238B	I-170 NORTH (BERKELEY)
I-170 SOUTH (BERKELEY)	238C			238C	I-170 SOUTH (BERKELEY)
NORTH HANLEY (BERKELEY)	239			239	NORTH HANLEY (BERKELEY)
RTE N/FLORISSANT RD (COOL VALLEY)	240A			240A	RTE N/FLORISSANT RD (COOL VALLEY)
BERMUDA DR (NORMANDY)	240B	240B	BERMUDA DR (NORMANDY)		
RTE U/LUCAS AND HUNT RD	241B	241B	RTE U/LUCAS AND HUNT RD		
JENNINGS STATION RD (PINE LAWN)	242C	242C	JENNINGS STATION RD (PINE LAWN)		
ST. LOUIS CITY		ST. LOUIS CITY			
GOODFELLOW (ST. LOUIS)	243A	243A	GOODFELLOW (ST. LOUIS)		
RIVERVIEW/BIRCHER (ST. LOUIS)	243B	243B	RIVERVIEW/BIRCHER (ST. LOUIS)		
UNION (ST. LOUIS)	244A	244A	UNION (ST. LOUIS)		
KINGSHIGHWAY (ST. LOUIS)	244B	244B	KINGSHIGHWAY (ST. LOUIS)		
SHREVE (ST. LOUIS)	245A	245A	SHREVE (ST. LOUIS)		
WEST FLORISSANT AVE (ST LOUIS)	245B	245B	WEST FLORISSANT AVE (ST LOUIS)		
NORTH BROADWAY (ST. LOUIS)	246A	246A	NORTH BROADWAY (ST. LOUIS)		
ADELAIDE (ST LOUIS)	246B	246B	ADELAIDE (ST LOUIS)		
GRAND (ST. LOUIS)	247	247	GRAND (ST. LOUIS)		
SALISBURY (ST LOUIS)	248A	248A	SALISBURY (ST LOUIS)		
BRANCH (ST LOUIS)	248B	248B	BRANCH (ST LOUIS)		
MADISON (ST LOUIS)	249A	249A	MADISON (ST LOUIS)		
PINE ST OVERPASS (ST LOUIS)	250	250	PINE ST OVERPASS (ST LOUIS)		
CHESTNUT ST OVERPASS (ST LOUIS)	250	250	CHESTNUT ST OVERPASS (ST LOUIS)		
MARKET ST OVERPASS (ST. LOUIS)	250	250	MARKET ST OVERPASS (ST. LOUIS)		
WALNUT ST OVERPASS (ST LOUIS)	250	250	WALNUT ST OVERPASS (ST LOUIS)		



DATA KEY

I-70 St. Charles County Mile Markers

RTE A (WENTZVILLE)	212	I-70 DISTRICT 6 EASTBOUND	I-70 DISTRICT 6 WESTBOUND	212	RTE A (WENTZVILLE)
LAKE ST. LOUIS BLVD (LAKE ST. LOUIS)	214			214	LAKE ST. LOUIS BLVD (LAKE ST. LOUIS)
BRYAN RD (O'FALLON)	216			216	BRYAN RD (O'FALLON)
RTE K/RTE M (O'FALLON)	217			217	RTE K/RTE M (O'FALLON)
T.R. HUGHES BLVD (O'FALLON)	218			218	T.R. HUGHES BLVD (O'FALLON)
RTE 79 (ST. PETERS/O'FALLON)	220			220	RTE 79 (ST. PETERS/O'FALLON)
RTE C/MID RIVERS MALL DR (ST. PETERS)	222			222	RTE C/MID RIVERS MALL DR (ST. PETERS)
SPENCER RD OVERPASS (ST. PETERS)	223			223	SPENCER RD OVERPASS (ST. PETERS)
RTE 370 (ST. PETERS)	224			224	RTE 370 (ST. PETERS)
CAVE SPRINGS (ST. CHARLES)	225			225	CAVE SPRINGS (ST. CHARLES)
ZUMBEHL RD (ST. CHARLES)	227			227	ZUMBEHL RD (ST. CHARLES)
HAWK'S NEST OVERPASS (ST. CHARLES)	227			227	HAWK'S NEST OVERPASS (ST. CHARLES)
RTE 94 (ST. CHARLES)	228			228	RTE 94 (ST. CHARLES)
5TH ST SOUTH (ST. CHARLES)	229A			229A	5TH ST SOUTH (ST. CHARLES)
5TH ST NORTH (ST. CHARLES)	229B			229B	5TH ST NORTH (ST. CHARLES)

I-270 Mile Markers

3	KOCH RD	I-255 WESTBOUND I-255 EASTBOUND I-270 DISTRICT 6 COUNTER CLOCKWISE FROM RIVERVIEW DR. TO I-55 I-270 DISTRICT 6 CLOCKWISE FROM I-55 TO RIVERVIEW DR.	KOCH RD	3
2	SR 231 (TELEGRAPH RD)		SR 231 (TELEGRAPH RD)	2
1C	US61-67		US61-67	1B
1B	I-55 NORTH		I-55 NORTH	1B
1	I-55 SOUTH		I-55 SOUTH	1A
2	SR 21 (TESSON FERRY RD.)		SR 21 (TESSON FERRY RD.)	2
3	SR 30 (GRAVOIS RD.)		SR 30 (GRAVOIS RD.)	3
5	I-44 EAST/SR 366 (WATSON RD.)		I-44 EAST	5
5	I-44 WEST		I-44 WEST	5
			BIG BEND RD.	7
8	DOUGHERTY FERRY RD.		DOUGHERTY FERRY RD.	8
10	SR 100 (MANCHESTER RD.)		SR 100 (MANCHESTER RD.)	10
12	I-64 EAST/WEST/US 40-61 NORTH/SOUTH		I-64 EAST/WEST/US 40-61 NORTH/SOUTH	12 A/B
13	SR AB (LADUE RD)		SR AB (LADUE RD)	13
14	SR 340 (OLIVE BLVD)		SR 340 (OLIVE BLVD)	14
16	SR D (PAGE AVE.) EAST		SR D (PAGE AVE.) EAST	16A
16	SR 364 WEST		SR 364 WEST	16B
17	DORSETT RD		DORSETT RD	17
20	I-70 WEST/EAST		I-70 WEST	20B
			I-70 EAST	20A
20C	SR 180 (ST. CHARLES ROCK RD)		SR 180 (ST. CHARLES ROCK RD)	20C
22	MISSOURI BOTTOM RD/370 WEST		SR 370 WEST	22D
23	MCDONNELL BLVD		MCDONNELL BLVD	23
25A	US 67 SOUTH		US 67 NORTH	25A
25B	US 67 NORTH		US 67 SOUTH	25B
26	HANLEY/GRAHAM RD.		I-170 SOUTH (EXIT LEFT)	26A
26	I-170 SOUTH		HANLEY/GRAHAM	26B
27	NEW FLORISSANT RD		NEW FLORISSANT RD	27
28	WASHINGTON/ELIZABETH RD.		ELIZABETH/WASHINGTON	28
29	WEST FLORISSANT RD		WEST FLORISSANT RD	29
30	SR AC HALLS FERRY RD		SR AC NEW HALLS FERRY RD	30
			NEW HALLS FERRY RD.	30A
31A	SR 367 SOUTH		SR 367 SOUTH	31A
31B	SR 367 NORTH		SR 367 NORTH	31B
32	BELLEFONTAINE RD		BELLEFONTAINE RD	32
33	LILAC AVE.		LILAC AVE.	33
34	RIVERVIEW DR.		RIVERVIEW DR.	34



DATA KEY

I-64 Mile Markers

I-70 WEST EXIT RIGHT/EAST EXIT LEFT	1		1A	I-70 WEST
			1B	I-70 EAST
PROSPECT RD	1C		1C	PROSPECT RD
LAKE ST. LOUIS BLVD	2		2	LAKE ST. LOUIS BLVD
SR N	4		4	MO N
SR DD/WINGHAVEN	6		6	MO DD/Winghaven
SR K/SR 94	9		9	MO K
			10	MO 94
MISSOURI RESEARCH PARK/TECHNOLOGY DR	12		11	RESEARCH PARK CRL
DANIEL BOONE BRIDGE	13		13	DANIEL BOONE BRIDGE
CHESTERFIELD AIRPORT RD	14		14	SPIRIT OF ST LOUIS BLVD
			16	LONG RD
BOONE'S CROSSING	17		17	BOONE'S CROSSING
CHESTERFIELD PKWY	19A		19A	CHESTERFIELD PKWY
SR 340 (OLIVE/CLARKSON)	19B		19B	MO 340 (OLIVE/CLARKSON)
			20	CHESTERFIELD PKWY
TIMBERLAKE MANOR PKWY	21		21	TIMBERLAKE MANOR PKWY
SR 141	22		22	MO 141 (WOODS MILL RD)
MASON RD	23		23	MARYVILLE CENTRE DR
			24	MASON RD
I-270 SOUTH	25A		25A	I-270 SOUTH
I-270 NORTH	25B		25B	I-270 NORTH
SR JJ (BALLAS RD)	26		26	MO JJ (BALLAS RD)
SPOEDE RD	27		27	SPOEDE RD
US 61-67	28A		28A	US 61-67
			28B	CLAYTON RD
MCKNIGHT RD	30		30	MCKNIGHT RD
BRENTWOOD/HANLEY RD	31B		31A	I-170 NORTH
I-170 NORTH	31A		31B	HANLEY RD/BRENTWOOD BLVD
BELLEVUE AVE	33B			
BIG BEND	33A		33A	BIG BEND BLVD
MCCAUSLAND	33C			ST. LOUIS CITY
ST. LOUIS CITY			33C	MCCAUSLAND AVE
HAMPTON AVE/OAKLAND AVE	34B		34A	CLAYTON RD/SKINKER BLVD
			34B	HAMPTON AVE
KINGSHIGHWAY	36A		36A	KINGSHIGHWAY
VANDEVENTER AVE	36C		36B	BOYLE
MARKET ST/BERNARD ST	37A			
GRAND AVE	37B			
JEFFERSON AVE	38A		38A	FOREST PARK AVE/GRAND BLVD
CHESTNUT AT 20TH ST	38B		38B	MARKET ST AT 3000 WEST
14TH ST	39B		39A	MARKET ST AT 21ST
11TH ST EXIT LEFT	39C		40A	STADIUM/9TH ST/ TUCKER BLVD
BROADWAY/7TH ST (LAST MISSOURI EXIT)	40B		40C	I-44 WB/I-55 SB/ I-70 WB

I-64 DISTRICT 6 WESTBOUND
I-64 DISTRICT 6 EASTBOUND

I-55 Mile Markers

JEFFERSON COUNTY		I-55 DISTRICT 6 NORTHBOUND I-55 DISTRICT 6 SOUTHBOUND	JEFFERSON COUNTY	
RTE M	185		185	RTE M
MAIN ST(IMPERIAL)	186		186	MAIN ST(IMPERIAL)
RICHARDSON RD (ARNOLD)	190		190	RICHARDSON RD (ARNOLD)
RTE 141 (ARNOLD)	191		191	RTE 141 (ARNOLD)
ST. LOUIS COUNTY			ST. LOUIS COUNTY	
MERAMEC BOTTOM RD	193		193	MERAMEC BOTTOM RD
BUTLER HILL RD	195		195	BUTLER HILL RD
I-255 EAST	196A		196A	I-255 EAST
I-270 NORTH	196B		196B	I-270 NORTH
US67/LINDBERGH	197		197	US67/LINDBERGH
REAVIS BARRACKS RD	199		199	REAVIS BARRACKS RD
UNION RD	200		200	UNION RD
BAYLESS	201A		201A	BAYLESS
WEBER RD	201B		201B	WEBER RD
ST. LOUIS CITY			ST. LOUIS CITY	
GERMANIA (ST. LOUIS)	202B		202B	GERMANIA (ST. LOUIS)
LOUGHBOROUGH AVE (ST. LOUIS)	202C		202C	LOUGHBOROUGH AVE (ST. LOUIS)
BATES (ST. LOUIS)	203		203	BATES (ST. LOUIS)
BROADWAY (ST. LOUIS)	204		204	BROADWAY (ST. LOUIS)
GASCONADE (ST. LOUIS)	205		205	GASCONADE (ST. LOUIS)
ARSENAL (ST. LOUIS)	206C		206C	ARSENAL (ST. LOUIS)
SIDNEY OVERPASS	206		206	SIDNEY OVERPASS
GRAVOIS AVE OVERPASS	207		207	GRAVOIS AVE OVERPASS
I-44 WEST (ST. LOUIS)	207		207	I-44 WEST (ST. LOUIS)
7TH ST/PARK AVE (ST. LOUIS)	208		208	7TH ST/PARK AVE (ST. LOUIS)

I-44 Mile Markers

FRANKLIN COUNTY		I-44 DISTRICT 6 WESTBOUND I-44 DISTRICT 6 EASTBOUND	FRANKLIN COUNTY	
PACIFIC	257		257	PACIFIC
ST. LOUIS COUNTY			261	ALLENTON/SIX FLAGS
ALLENTON/SIX FLAGS	261		ST. LOUIS COUNTY	
RTE 109/RTE W	264		264	RTE 109/RTE W
WILLIAMS RD	265			
LEWIS RD	266		266	LEWIS RD
			269	ANTIRE
RTE 141	272		272	RTE 141
BOWLES	274		274	BOWLES
MRAZ	274			
			275	SOCCER PARK
I-270 NORTH	276B		276B	I-270 NORTH
I-270 SOUTH	276A		276A	I-270 SOUTH
RTE 366/WATSON	277A			
US 67/LINDBERGH	277B		277B	US 67/LINDBERGH
BIG BEND	278		278	BIG BEND
			279	BERRY
ELM	280		280	ELM
LACLEDE STATION	282			
ST. LOUIS CITY			283	SHREWSBURY
JAMIESON	284A		ST. LOUIS CITY	
			284B	ARSENAL
			285	SOUTHWEST
HAMPTON	286		287	KINGSHIGHWAY
KINGSHIGHWAY	287		288	GRAND AVE
GRAND AVE	288		289	JEFFERSON AVE
JEFFERSON AVE	289			
I-55 SOUTH	290A			
18TH ST	290B		290C	12TH ST./GRAVOIS

I-170 Mile Markers

I-64 WEST/US 40-61	1A	I-170 DISTRICT 6 SOUTHBOUND I-170 DISTRICT 6 NORTHBOUND	
I-64 EAST/US 40-61	1B		
			1C GALLERIA PARKWAY
BRENTWOOD BLVD	1D		
FOREST PARK PARKWAY	1E		1E FOREST PARK PARKWAY
LADUE RD	1F		1F LADUE RD
DELMAR	2		2 DELMAR
EAST/3B WEST SR 340 (OLIVE BLVD)	3A		3 SR 340 (OLIVE BLVD)
SRD/SR 364 (PAGE AVE)	4		4 SR D/SR 364 (PAGE AVE)
SR 180 (ST. CHARLES ROCK RD)	5		5 SR 180 (ST. CHARLES ROCK RD)
SR 115 (NATURAL BRIDGE RD)	6		6 SR 115 (NATURAL BRIDGE RD)
I-70 EAST (EXIT LEFT)	7A		7A I-70 EAST (EXIT RIGHT)
I-70 WEST (EXIT RIGHT)	7B		7B I-70 WEST (EXIT LEFT)
			7C LAMBERT ST. LOUIS AIRPORT
SCUDDER	8		8 SCUDDEN/N. HANLEY RD
AIRPORT RD	9A		9A AIRPORT
			9B BOEING (EXIT LEFT)
			9C N. HANLEY RD
			10A I-270 WEST (EXIT RIGHT)
			10B I-270 EAST (EXIT LEFT)

SR 364 Mile Markers

		SR 364 WESTBOUND SR 364 EASTBOUND	11B	HARVESTER RD
			12	HERITAGE CROSSING/JUNGS STATION RD
SR94 EAST/ST. CHARLES	13		13	SR 94 EAST/MUEGGE RD
ARENA PKWY/UPPER BOTTOM RD	14		14	UPPER BOTTOM/ARENA
MARYLAND HEIGHTS EXPRESSWAY	17		17	MARYLAND HEIGHTS EXPRESSWAY
BENNINGTON PL	19			
			21	BENNINGTON PL
I-270 SOUTH	22A			
I-270 NORTH	22B			

SR 370 Mile Markers

		SR 370 WESTBOUND SR 370 EASTBOUND	1A	I-70 WESTBOUND
			1B	I-70 EASTBOUND
			1C	SPENCER RD
TRUMAN/CAVE SPRINGS RD 2			2	TRUMAN/CAVE SPRINGS RD
ELM/NEW TOWN BLVD	5		5	ELM/NEW TOWN BLVD
N 3RD ST/SR 94	7		7	N 3RD ST/SR 94
DISCOVERY BRIDGE ST. CHAS CO/ ST. LOUIS CO	8		8	DISCOVERY BRIDGE ST. LOUIS CO/ ST. CHAS CO
EARTH CITY EXPRESSWAY 9			9	EARTH CITY EXPRESSWAY
ST. LOUIS MILLS BLVD	11		11	ST. LOUIS MILLS BLVD
MISSOURI BOTTOM RD 12				
I-270 WEST BOUND	12			
I-270 EAST BOUND	12			

SR 21 Mile Markers

RT B	164.8	SR 21 NORTHBOUND SR 21 SOUTHBOUND	164.8	RT B
RT BB	165.4		165.4	RT BB
STADIUM DR UNDERPASS	166.4		166.4	STADIUM DR UNDERPASS
RTE A	167.8		167.8	RTE A
SAND CREEK	169		169	SAND CREEK
HAYDEN RD	169.2		169.2	HAYDEN RD
GLADE CHAPEL RD OVERPASS	171.4		171.4	GLADE CHAPEL RD OVERPASS
OLD HWY 21 (GOLDMAN)	172.6		172.6	OLD HWY 21 (GOLDMAN)
KLABLE RD OVERPASS	174.2		174.2	KLABLE RD OVERPASS
SCHENK RD OVERPASS	175.2		175.2	SCHENK RD OVERPASS
HEADS CREEK	176.4		176.4	HEADS CREEK
RT MM	177.7		177.7	RT MM
W. FOUR RIDGE RD OVERPASS	179		179	W. FOUR RIDGE RD OVERPASS
OLD HWY 21 (SHADY VALLEY)	180.4		180.4	OLD HWY 21 (SHADY VALLEY)
OLD HWY 21 UNDERPASS	182		182	OLD HWY 21 UNDERPASS
WEST ROCK CREEK RD OVERPASS	182.8		182.8	WEST ROCK CREEK RD OVERPASS
OLD HWY 21 OVERPASS	183.2		183.2	OLD HWY 21 OVERPASS
LONDELL RD	184.2		184.2	LONDELL RD
OLD HWY 21	184.5		184.5	OLD HWY 21
SR 141	185.6		185.6	SR 141