

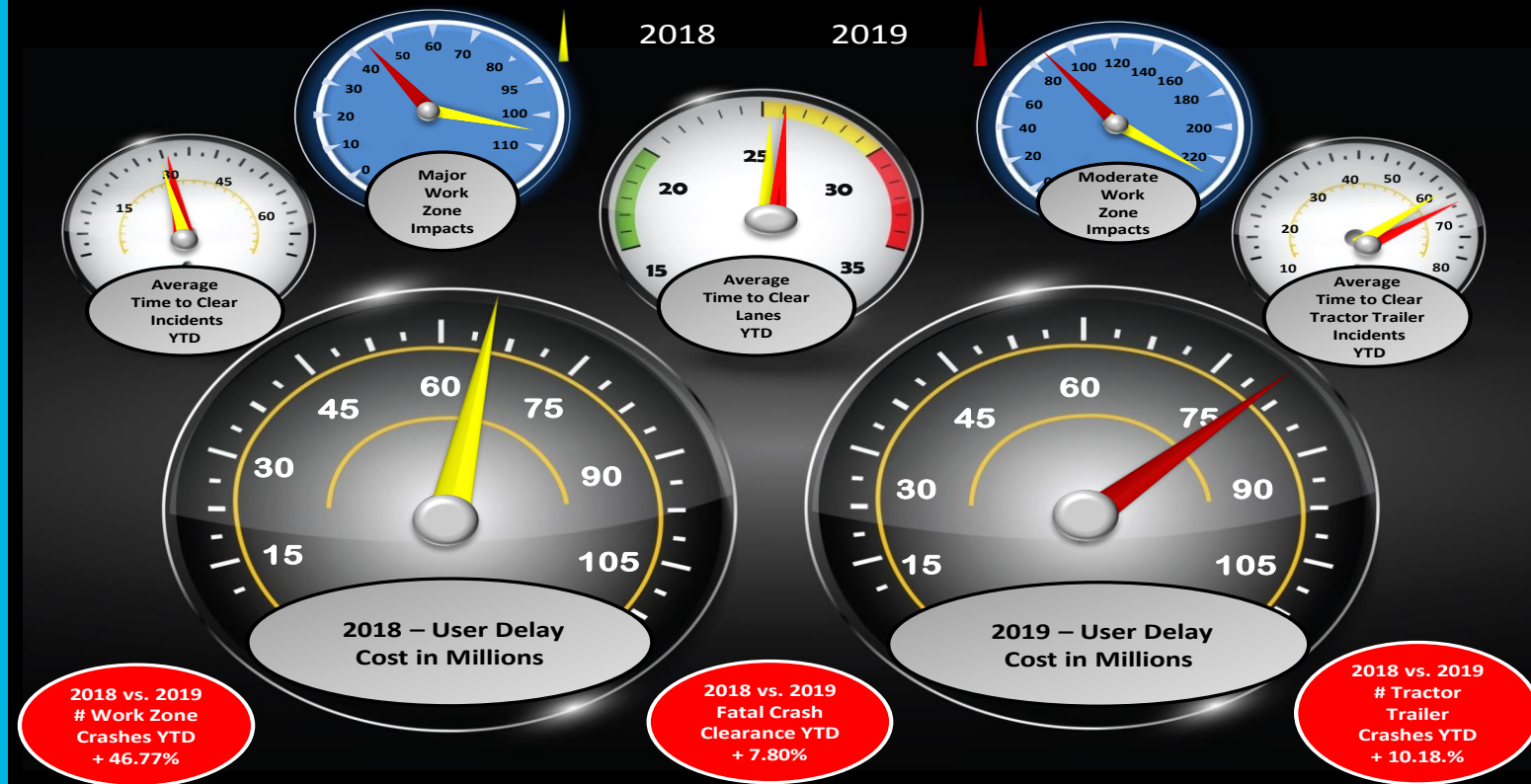


# ST. LOUIS DISTRICT MOBILITY

QUARTERLY REGIONAL MOBILITY REPORT ■ MARCH / APRIL / MAY 2019 | EDITION NO. 07

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Provide Outstanding Customer Service & Deliver Transportation Services of Great Value	
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User Delay Cost: Passenger Vehicle \$17.67 Commercial Vehicle \$68.09  
Sources Texas Transportation Institute & American Transportation Research Institute

### March 2018 thru May 2018 Grand Total and Average

<b>Delay cost:</b>	<b>Vehicle Miles traveled (VMT)</b>
Total \$19,673,554	Total: 2,152,187,779 miles
<b>Hours of delay</b>	Passenger: 1,936,969,001 miles
<b>Person-hours: 903,039h 57m</b>	Commercial: 215,218,778 miles
<b>Vehicle hours: 737,175h 28m</b>	<b>Delay per VMT: 0.0206 mins/mile</b>

### March 2019 thru May 2019 Grand Total and Average

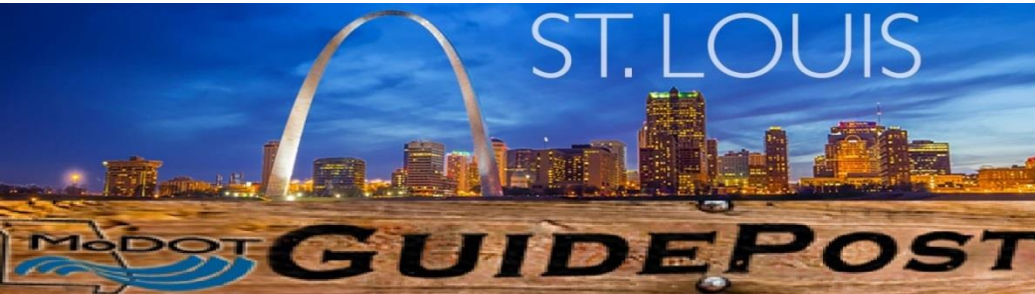
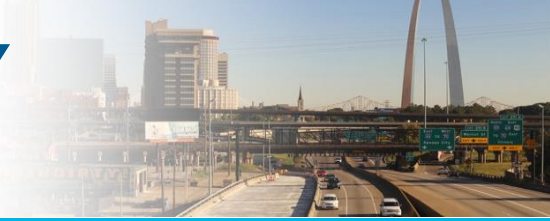
<b>Delay cost:</b>	<b>Vehicle Miles traveled (VMT)</b>
Total \$21,327,942	Total: 2,193,114,798 miles
<b>Hours of delay</b>	Passenger: 1,973,803,318 miles
<b>Person-hours: 978,978h 21m</b>	Commercial: 219,311,480 miles
<b>Vehicle hours: 799,166h 0m</b>	<b>Delay per VMT: 0.0219 mins/mile</b>





# EXECUTIVE SUMMARY

ST. LOUIS DISTRICT ■ QUARTERLY REGIONAL MOBILITY REPORT ■ MARCH / APRIL / MAY 2019



## ZONING IN

Average time to clear lanes increased by 11.26 % from Spring 2018 to Spring 2019

I-270 in North County heavily impacted by numerous long duration events

Work zone crashes increased by 45.8%.

Overall regional mobility increased for the AM peak period and decreased slightly for the PM peak period.

Westbound I-64 @ I-70 (Wentzville) remains #1 on the Top 5 Congestion Locations. Westbound I-44 at Memorial Drive moved into top 5.

### TMS Work Zones:

Mar	2019:	267
Apr	2019:	304
May	2019:	316

### Work Zone Impact Breakdown:

<span style="color: red;">■</span>	Major:	40 – 6.6%
<span style="color: yellow;">■</span>	Moderate:	68 – 11.3%
<span style="color: green;">■</span>	Minor:	494 – 82.1%

**WORK ZONE CRASHES: 35**

## Most Significant Impact Events

### Planned Event

**Date:** Entire Quarter

**Location:** Eastbound I-44 from I-270 to Jefferson / Westbound I-44 from Jefferson to I-270  
**Event Detail:** Continued Bridge work with multiple projects and daily lane closures.

### Unplanned Event

**Date:** 4-4

**Location:** Eastbound/Westbound I-44 at Washington Avenue  
**Event Detail:** An overturned tractor trailer in the eastbound lanes of I-44 at Washington Avenue. The tractor trailer was hauling scrap metal which had partially spilled over into the opposing westbound lanes causing a secondary crash.



# EXECUTIVE SUMMARY

ST. LOUIS DISTRICT ■ QUARTERLY REGIONAL MOBILITY REPORT ■ MARCH / APRIL / MAY 2019

## Top 5 Congestion Locations / March 2018 – May 2018 vs. March 2019 – May 2019

\*Locations ranked on Base Impact (The aggregation of Queue Length over time for congestion originating at each location in mile minutes)

	Congestion Locations 2018	*Base Impact	Average Queue Length Miles	Average Daily Duration	Total Duration
1	NB I-270 @ Tesson Ferry Road	14,772.00	1.14	2h 26m	9d 08h 45m
2	WB I-44 @ MO-O	14,501.00	3.75	0h 43m	2d 19h 09m
3	WB I-270 @ MO 180	13,096.00	1.64	1h 29m	5d 16h 29m
4	WB I-64 @ Hampton	12,056.00	0.70	3h 19m	12d 18h 17m
5	WB I-64 @ I-70	11,559.00	3.34	0h 39m	2d 12h 43m

	Congestion Locations 2019	*Base Impact	Average Queue Length Miles	Average Daily Duration	Total Duration
1	WB I-64 @ I-70 (Wentzville)	35,131.00	5.78	1h 02m	4d 00h 25m
2	WB I-44 @ Memorial Drive	26,935.00	1.08	4h 40m	17d 22h 30m
3	WB I-64 @ Clayton Road/Oakland Avenue	25,029.00	2.39	1h 52m	7d 04h 02m
4	SB I-170 @ Galleria Parkway	23,828.00	1.57	2h 34m	9d 21h 36m
5	EB I-64 @ Big Bend Boulevard	21,585.00	3.14	1h 13m	4d 16h 34m

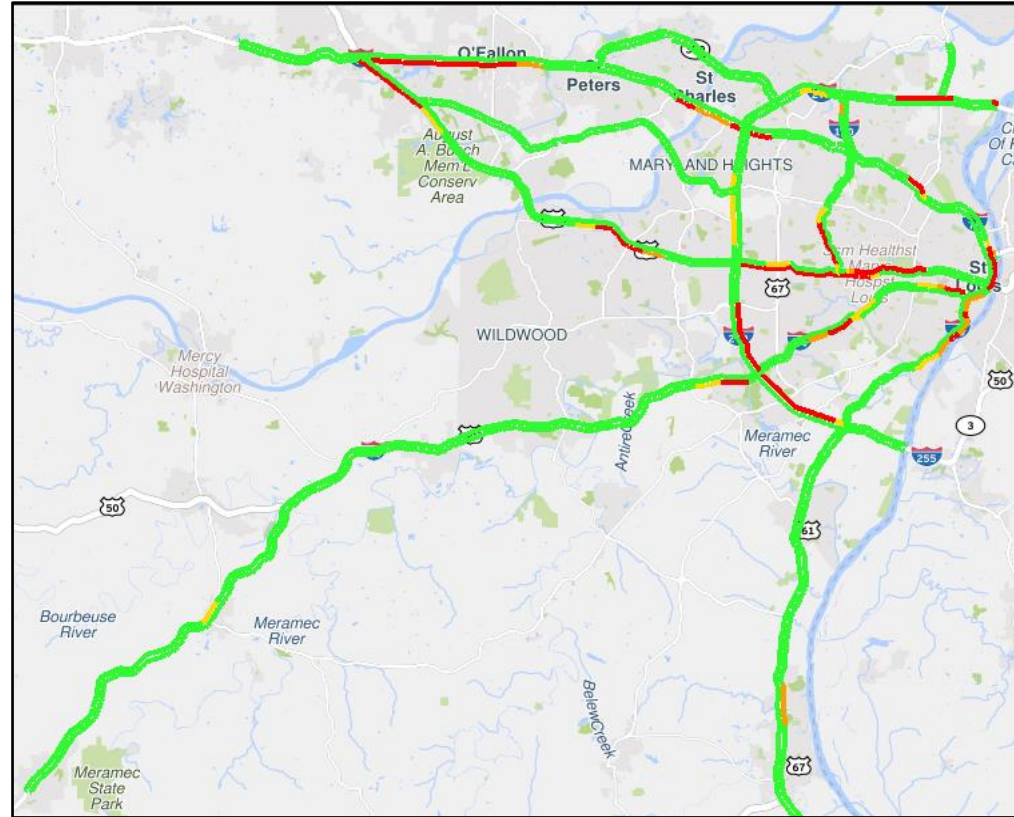
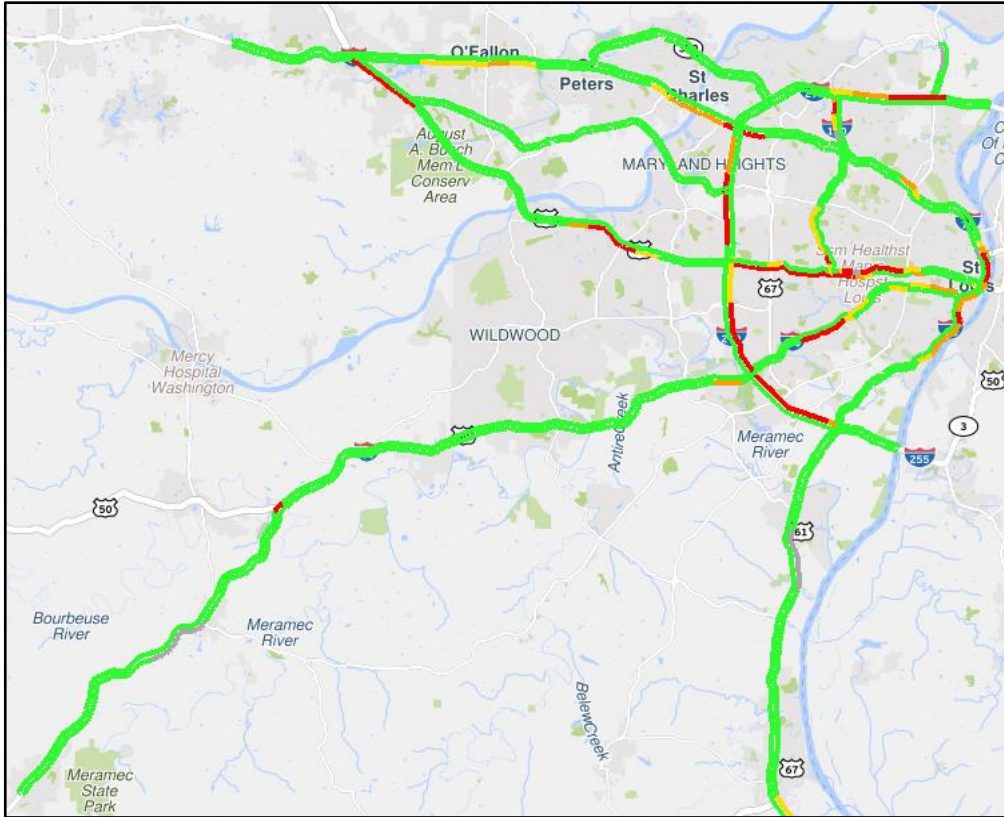
## Average Incident Duration Comparison / 2018 vs. 2019

Month	Average Incident Duration (Minutes : Seconds)	2018	2019
March	Lane Clearance	23:40	25:42
March	Incident Clearance	27:14	31:09
April	Lane Clearance	23:28	26:23
April	Incident Clearance	28:11	31:42
May	Lane Clearance	24:09	27:14
May	Incident Clearance	27:28	31:41



**INCREASE in Overall AM Mobility**

**AM Peak Mobility March/April/May 2018 vs March/April/May 2019 \***



2018

Regional % of free-flow speed hourly breakdown\*\*:

	2018		2019
6 AM	100%	→	100%
7 AM	94.8%	→	96.1%
8 AM	95.3%	→	97.4%
9 AM	100%	→	100%

2019

- > 90 % of free-flow speed
- 85% - 90 % of free-flow speed
- 80 % - 85 % of free-flow speed
- < 80 % of free-flow speed

\* 7am hour shown

\*\*Regional % of free-flow speed is the averaged % of free-flow speeds for all directions of all freeways within the St. Louis District. This provides a high-level measurement of overall regional mobility for each peak hour.



# FREEWAY MANAGEMENT

ST. LOUIS DISTRICT ■ QUARTERLY REGIONAL MOBILITY REPORT ■ MARCH / APRIL / MAY 2019

## Highlighted Corridor AM Summary

### I-64

#### Comparing AM March/April/May 2018 vs March/April/May 2019

**AM EB I-64 Overall Mobility INCREASED throughout the AM peak from 2018 → 2019**

**AM WB I-64 Overall Mobility DECREASED in the 7am and 8am hours from 2018 → 2019**

#### Active Work Zones During Report Period

##### 2018 AM

Date	Route	Type of Work	Location	Lanes closed	Time
Mar 1- Mar 7	EB I-64	Bridge Work	EB I-44/NB I-55 Ramp to EB I-64 PSB	Closed	24 hours
Mar 1- Mar 7	EB I-64	Bridge Work	EB I-64 Across Bridge	EB Single Lane Closure	6:00 am to 1:30 pm
Mar 1- Mar 7	WB I-64	Bridge Work	WB I-64 Across Bridge	WB Left Lane	24 hours
Mar 8- Mar 14	EB I-64	Bridge Work	EB I-64 Across Bridge	EB Single Lane Closure	5:00 am to 1:30 pm
Mar 15 - Mar 21	EB I-64	Bridge Work	EB I-64 Across PSB	EB Single Lane Closure	6:00 am to 1:30 pm
Mar 22- Mar 28	EB I-64	Bridge Work	EB I-64 Across PSB	EB Single Lane Closure	6:00 am to 1:30 pm
Mar 28 - Apr 4	EB I-64	Bridge Work	EB I-64 Across PSB	EB Single Lane Closure	6:00 am to 1:30 pm
Apr 4 - Apr 11	EB I-64	Bridge Work	EB I-64 Across PSB	EB Single Lane Closure	6:00 am to 1:30 pm
Apr 12 -April 18	EB I-64	Bridge Work	EB I-64 Across PSB	EB Single Lane Closure	7:00 am to 2:00 pm
Apr 12 -April 18	WB I-64	Bridge Work	WB I-64 Across PSB	WB Left Lane Closure	24 hours
April 18 - April 25	WB I-64	Bridge Work	WB I-64 Across PSB	WB Left Lane Closure	24 hours
April 18 - April 25	EB I-64	Bridge Work	EB I-64 Across PSB	EB Single Lane Closure	7:00 am to 2:00 pm
April 24 - April 25	WB I-64	Asphalt Repair on Overpass	Long Road	Ramp from WB I-64	10:00 pm to 3:00 pm
April 25 - May 2	WB I-64	Bridge Work	WB PSB	Left Lane Closed	24 Hours
April 25 - May 2	EB I-64	Bridge Work	EB Across PSB	EB Single Lane Closure	7:00 am to 2:00 pm
April 25 - May 2	WB I-64	Bridge Work	WB PSB	Right Lane Closed	7:00 am to 2:00 pm
May 2 - May 9	WB I-64	Bridge Work	WB PSB	Left Lane Closed	24 Hours
May 4	EB I-64	Bridge Epoxy Polymer Overlay	EB I-64 @ McCausland	Right Lane Closed	9:00 pm to 9:00 am
May 9 - May 16	WB I-64	Bridge Work	WB PSB	Left Lane Closed	24 Hours
May 16- May 23	WB I-64	Bridge Work	WB PSB	Left Lane Closed	24 Hours
May 23- May 30	WB I-64	Bridge Work	WB PSB	Left Lane Closed	24 Hours

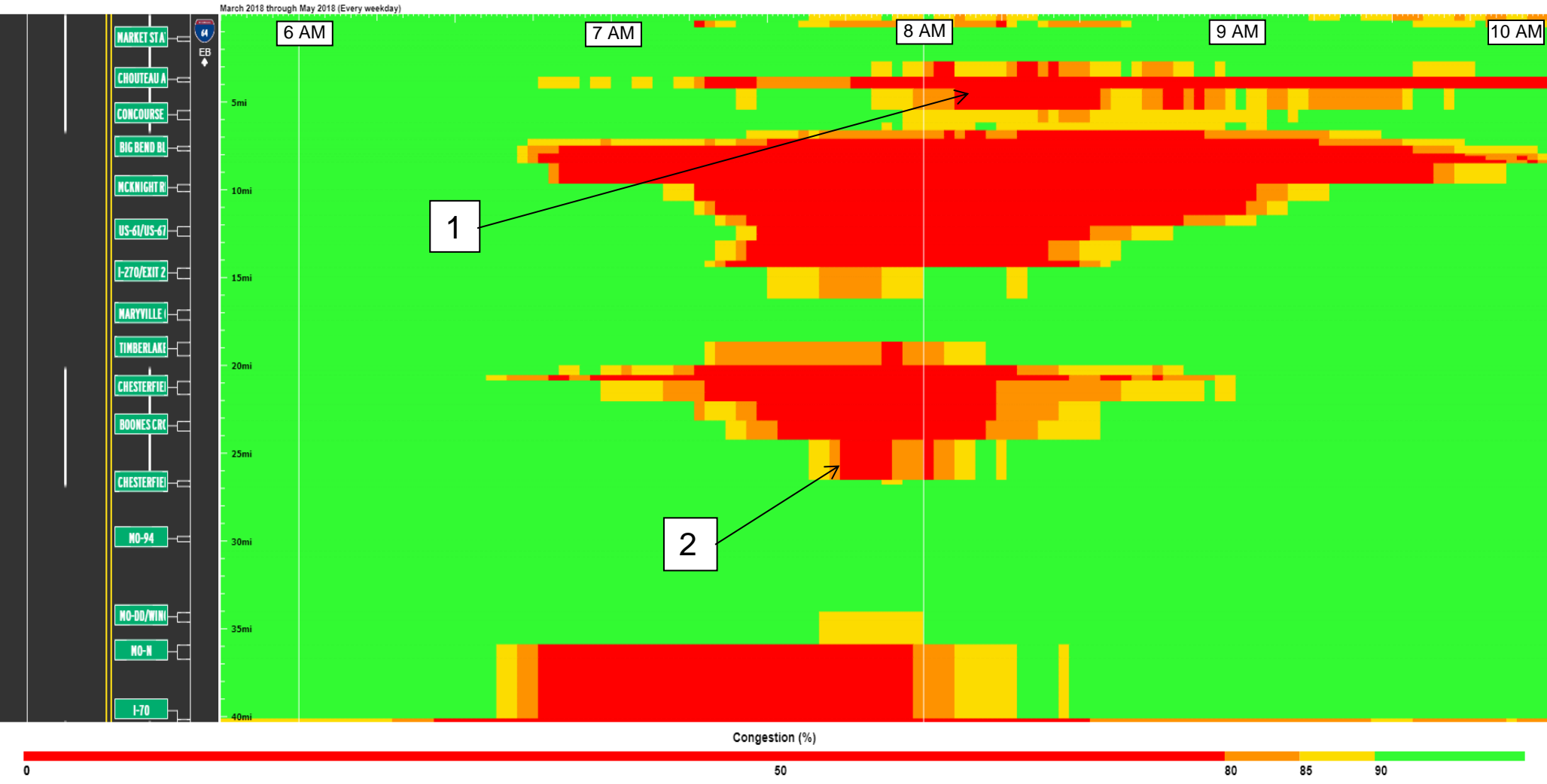
##### 2019 AM

Date	Route	Type of Work	Location	Lanes closed	Time
May 9- May 15	EB I-64	Bridge Work	Exit Ramp to 6th Street	Exit Closed	24 Hours
May 16- May 22	WB I-64	Bridge Work	Exit Ramp to 6th Street	Exit Closed	24 Hours
May 18 - May 19	EB I-64	Bridge Work	EB Across PSB	EB Left Lane Closed	1:00 am to 4:00 pm



AM 2018 EB I-64

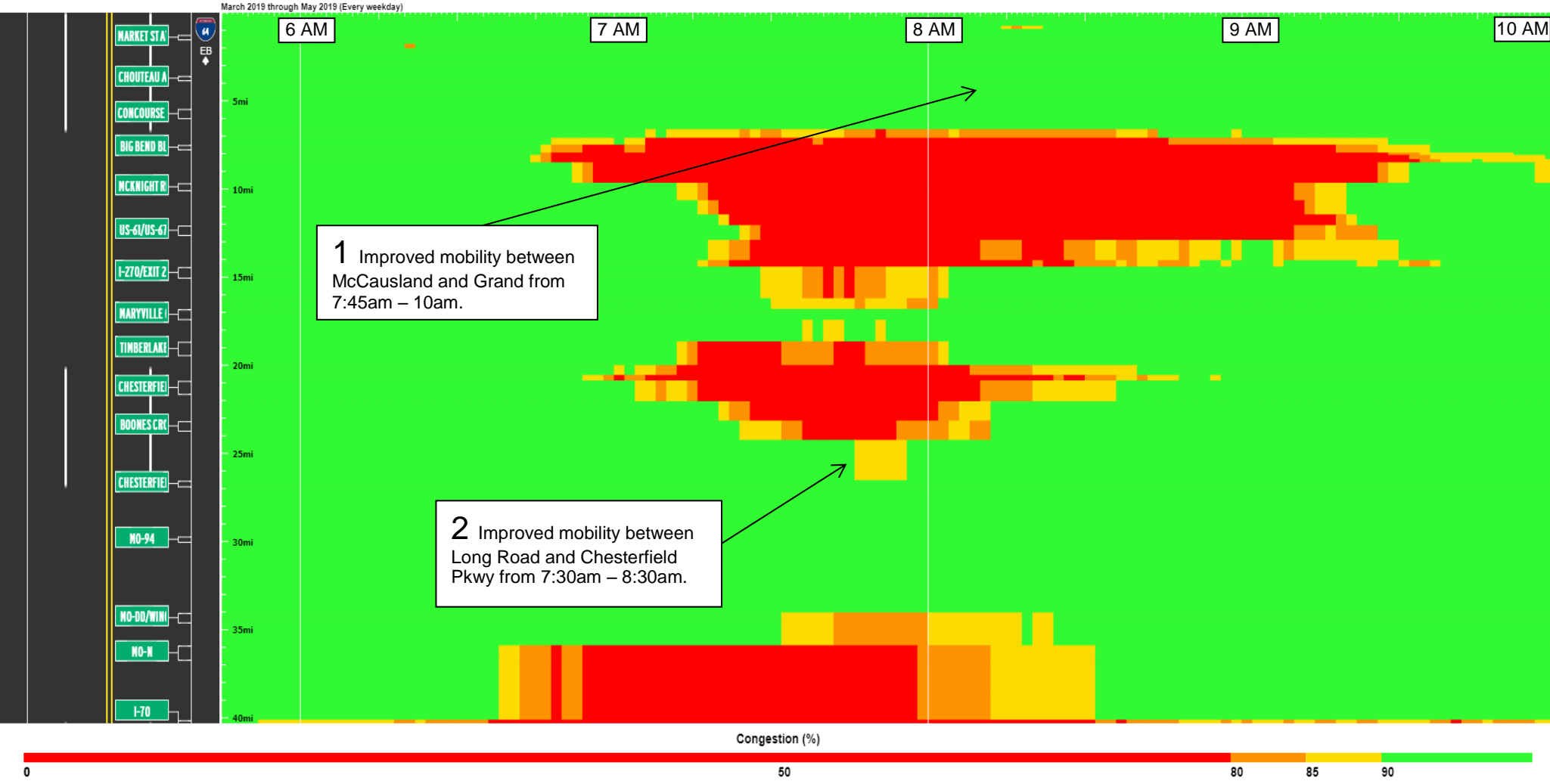
**Congestion for I-64 Eastbound using HERE data**  
 Averaged by 2 minutes for March 2018 through May 2018 (Every weekday)





AM 2019 EB I-64

**Congestion for I-64 Eastbound using HERE data**  
 Averaged by 2 minutes for March 2019 through May 2019 (Every weekday)







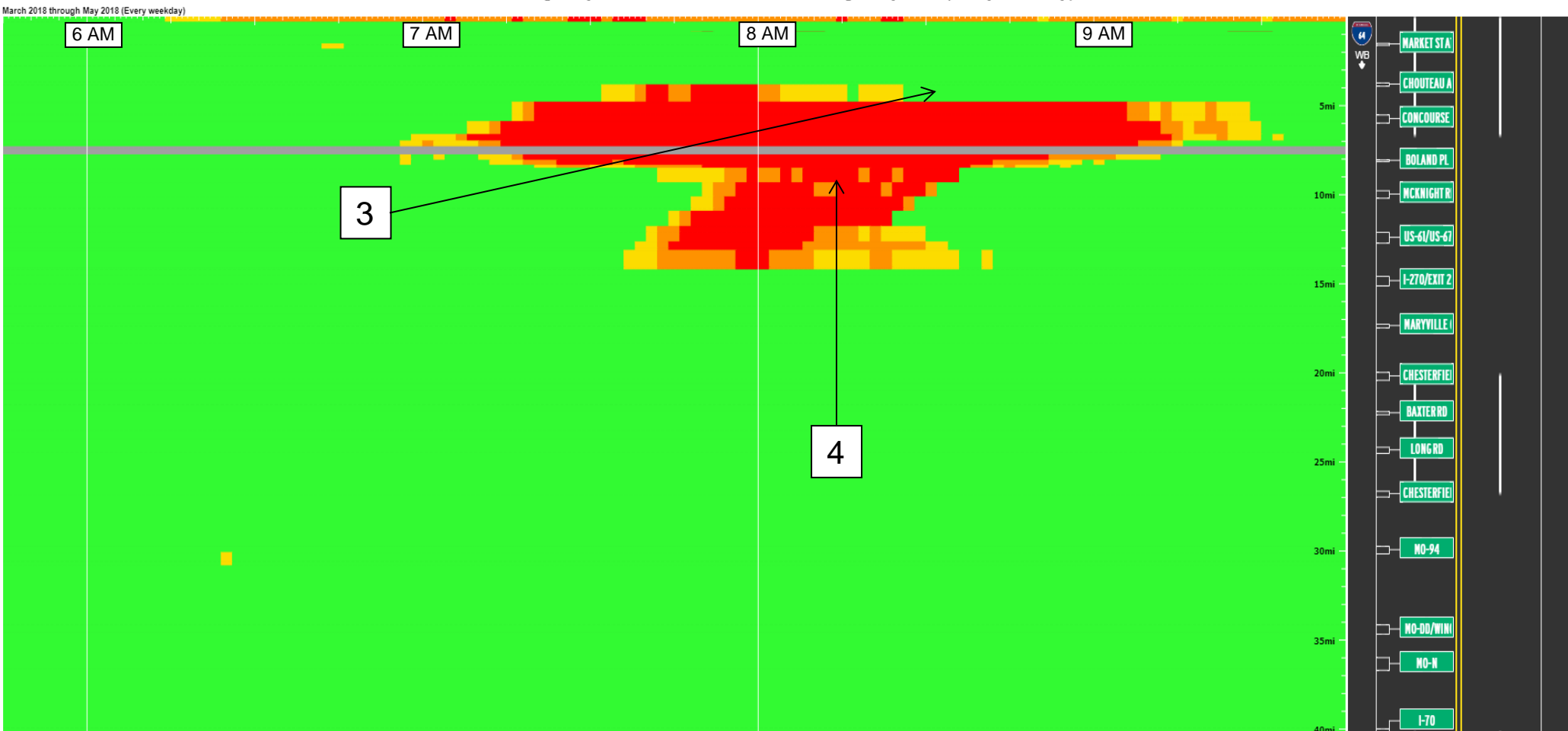
# FREEWAY MANAGEMENT

ST. LOUIS DISTRICT ■ QUARTERLY REGIONAL MOBILITY REPORT ■ MARCH / APRIL / MAY 2019

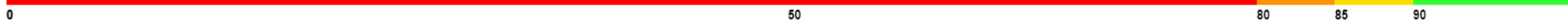


AM 2018 WB I-64

Congestion for I-64 Westbound using HERE data  
Averaged by 2 minutes for March 2018 through May 2018 (Every weekday)



Congestion (%)

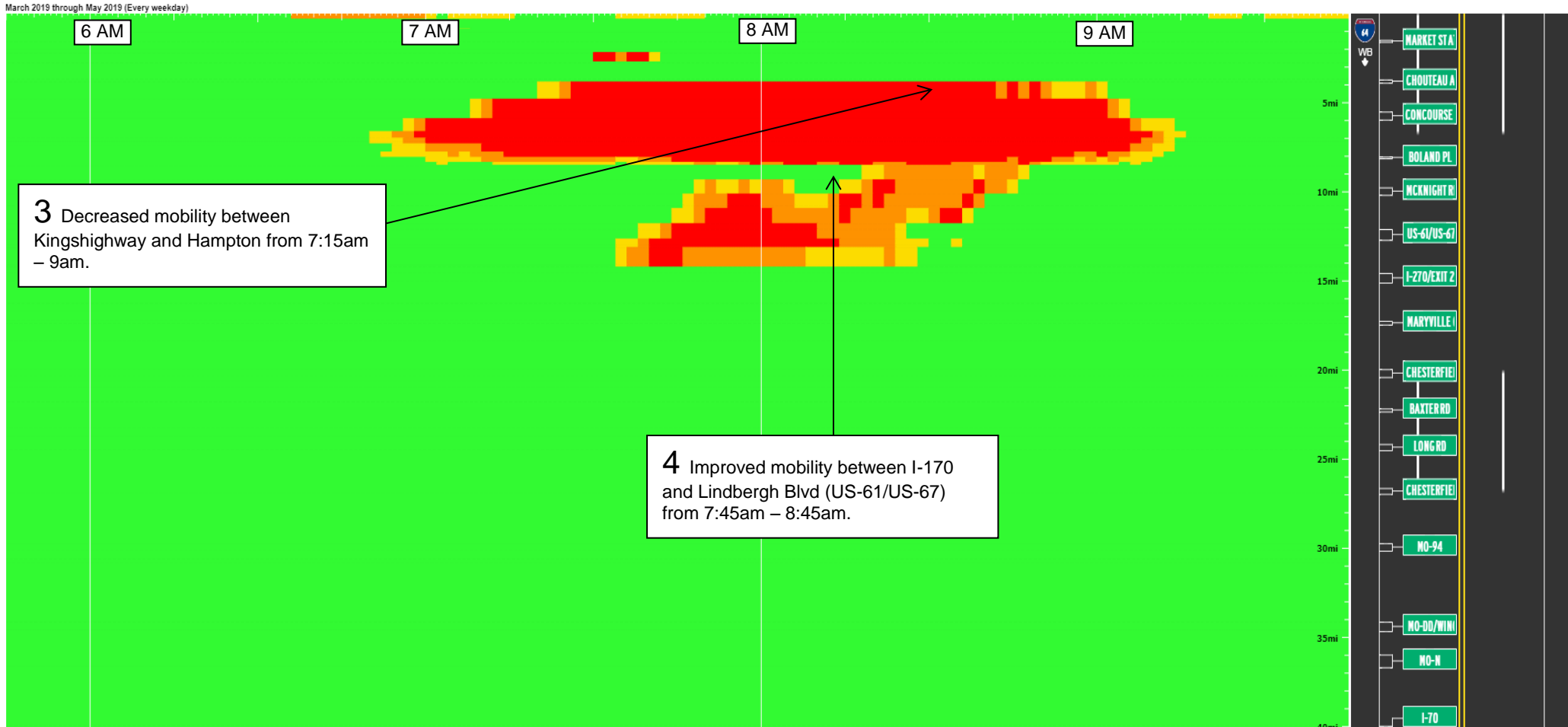






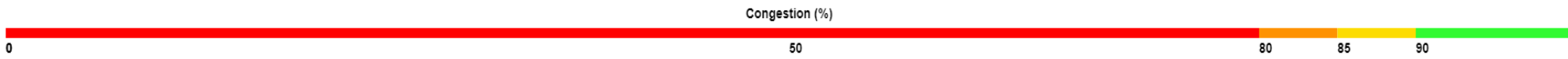
AM 2019 WB I-64

## Congestion for I-64 Westbound using HERE data Averaged by 2 minutes for March 2019 through May 2019 (Every weekday)



**3** Decreased mobility between Kingshighway and Hampton from 7:15am – 9am.

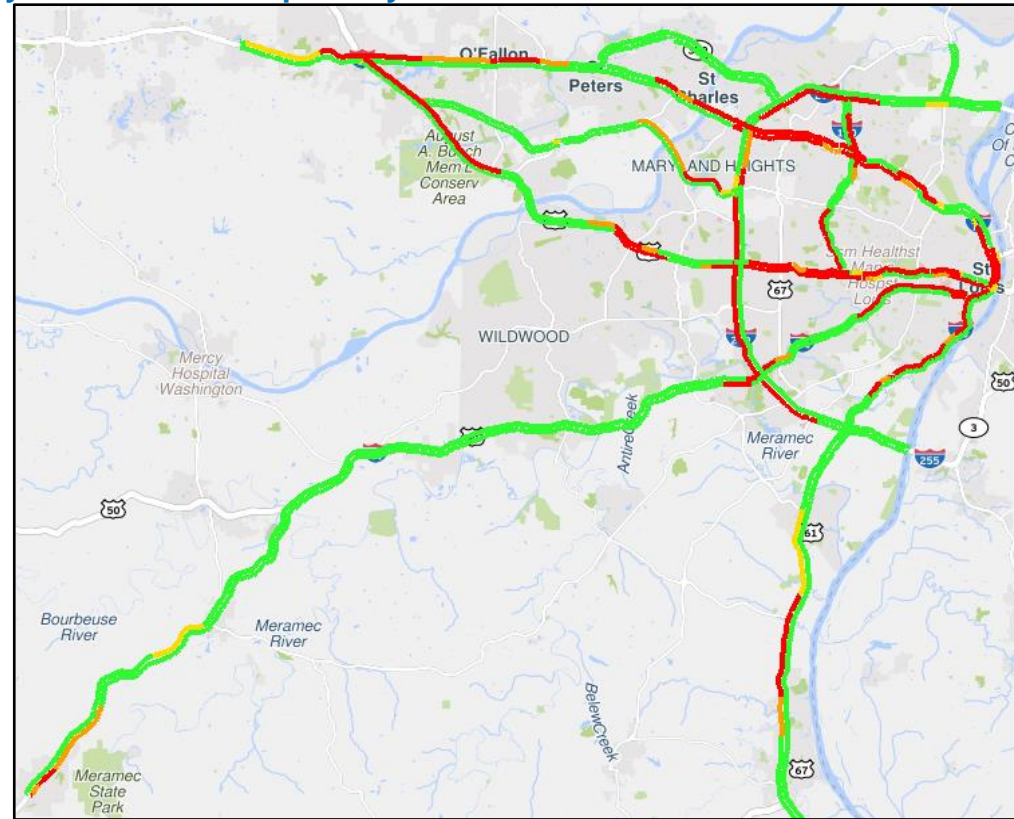
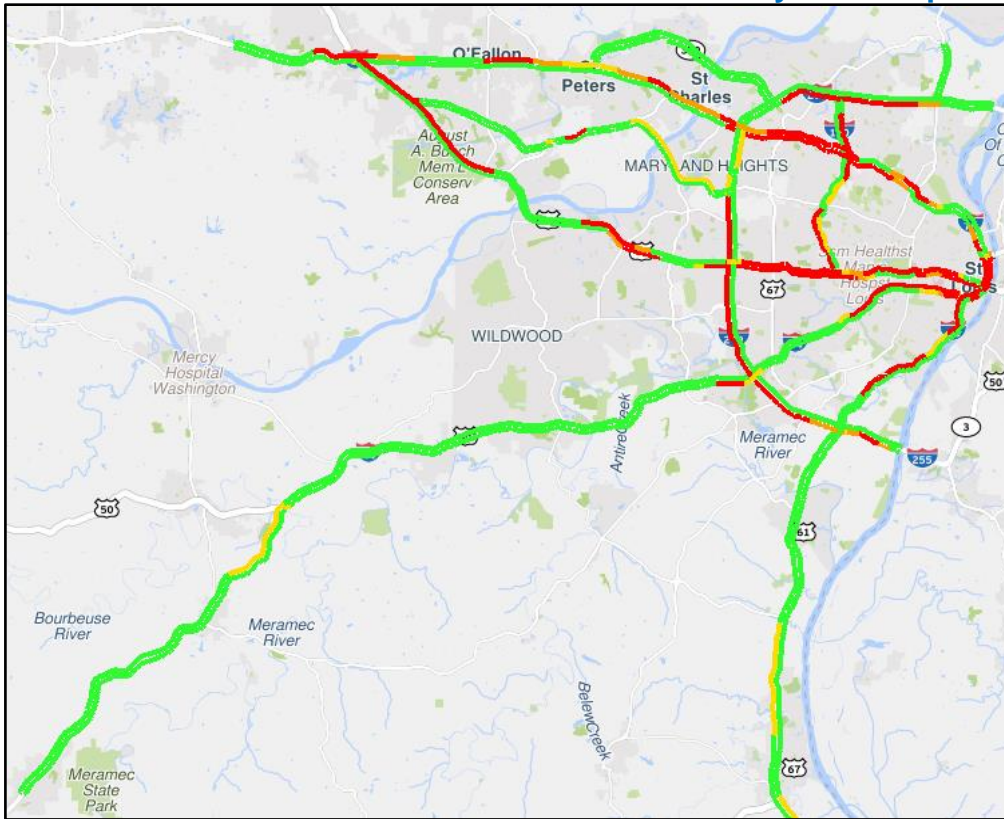
**4** Improved mobility between I-170 and Lindbergh Blvd (US-61/US-67) from 7:45am – 8:45am.





**DECREASE in Overall PM Mobility**

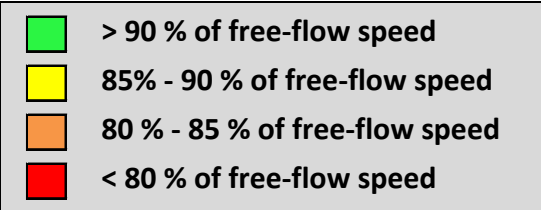
PM Peak Mobility March/April/May 2018 vs March/April/May 2019 \*



2018

Regional % of free-flow speed hourly breakdown\*\*:

2019



	2018	→	2019
3 PM	95.6%	→	95.8%
4 PM	87.1%	→	86.6%
5 PM	85.6%	→	85.1%
6 PM	98.6%	→	98.7%

\* 5pm hour shown

\*\*Regional % of free-flow speed is the averaged % of free-flow speeds for all directions of all freeways within the St. Louis District. This provides a high-level measurement of overall regional mobility for each peak hour.



# FREEWAY MANAGEMENT

ST. LOUIS DISTRICT ■ QUARTERLY REGIONAL MOBILITY REPORT ■ MARCH / APRIL / MAY 2019

## Highlighted Corridor PM Summary

### I-64

Comparing PM March/April/May 2018 vs March/April/May 2019

**PM EB I-64 Overall Mobility INCREASED throughout the PM peak from 2018 → 2019**

**PM WB I-64 Overall Mobility DECREASED from 2018 → 2019, but there was a slight (0.9%) increase in mobility during the 6pm hour.**

### Active Work Zones During Report Period

#### 2018 PM

Date	Route	Type of Work	Location	Lanes closed	Time
Mar 1- Mar 7	EB I-64	Bridge Work	EB I-44/NB I-55 Ramp to EB I-64 PSB	Closed	24 hours
Mar 1- Mar 7	WB I-64	Bridge Work	WB I-64 Across Bridge	WB Left Lane	24 hours
Apr 12 -April 18	WB I-64	Bridge Work	WB I-64 Across PSB	WB Left Lane Closure	24 hours
April 18 - April 25	WB I-64	Bridge Work	WB I-64 Across PSB	WB Left Lane Closure	24 hours
April 25 - May 2	WB I-64	Bridge Work	WB PSB	Left Lane Closed	24 Hours
May 2 - May 9	WB I-64	Bridge Work	WB PSB	Left Lane Closed	24 Hours
May 9 - May 16	WB I-64	Bridge Work	WB PSB	Left Lane Closed	24 Hours
May 16- May 23	WB I-64	Bridge Work	WB PSB	Left Lane Closed	24 Hours
May 16- May 23	EB I-64	Pavement Repair	Exit to 20th & Chestnut	Exit Closed	9:00 am to 6:00 pm
May 23- May 30	WB I-64	Bridge Work	WB PSB	Left Lane Closed	24 Hours

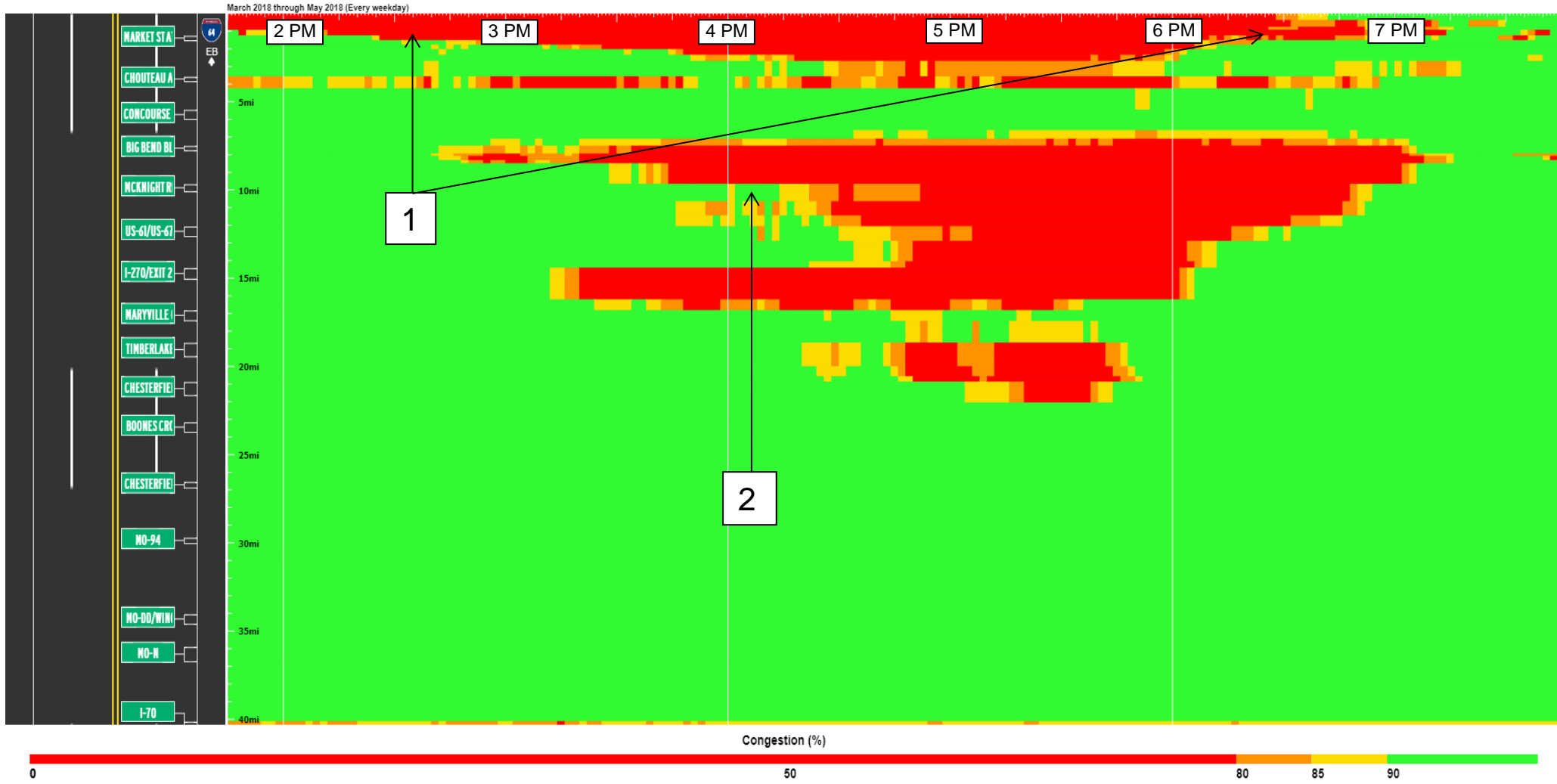
#### 2019 PM

Date	Route	Type of Work	Location	Lanes closed	Time
Mar 21 - Mar 27	WB I-64	Bridge Work	WB Across PSB	WB Right Lane Closed	9:00 am to 5:00 pm
Apr 4 - Apr 10	WB I-64	Bridge Work	WB Across PSB	WB Right Lane Closed	9:00 am to 4:30 pm
Apr 10 - Apr 17	WB I-64	Bridge Work	WB Across PSB	WB Right Lane Closed	9:00 am to 4:30 pm
Apr 17 - Apr 24	WB I-64	Bridge Work	WB Across PSB	WB Right Lane Closed	9:00 am to 4:30 pm
Apr 25 - May 1	WB I-64	Bridge Work	WB Across PSB	WB Right Lane Closed	9:00 am to 4:30 pm
May 1- May 8	EB I-64	Bridge Work	EB Across PSB	WB Right Lane Closed	8:00 am to 4:30 pm
May 9- May 15	WB I-64	Bridge Work	WB Across PSB	WB Right Lane Closed	9:00 am to 4:30 pm
May 9- May 15	EB I-64	Bridge Work	Exit Ramp to 6th Street	Exit Closed	24 Hours
May 16- May 22	WB I-64	Bridge Work	Exit Ramp to 6th Street	Exit Closed	24 Hours
May 18 - May 19	EB I-64	Bridge Work	EB Across PSB	EB Left Lane Closed	1:00 am to 4:00 pm
May 22- May 29	WB I-64	Bridge Work	WB Across PSB	WB Right Lane Closed	9:00 am to 4:00 pm



PM 2018 EB I-64

**Congestion for I-64 Eastbound using HERE data**  
 Averaged by 2 minutes for March 2018 through May 2018 (Every weekday)



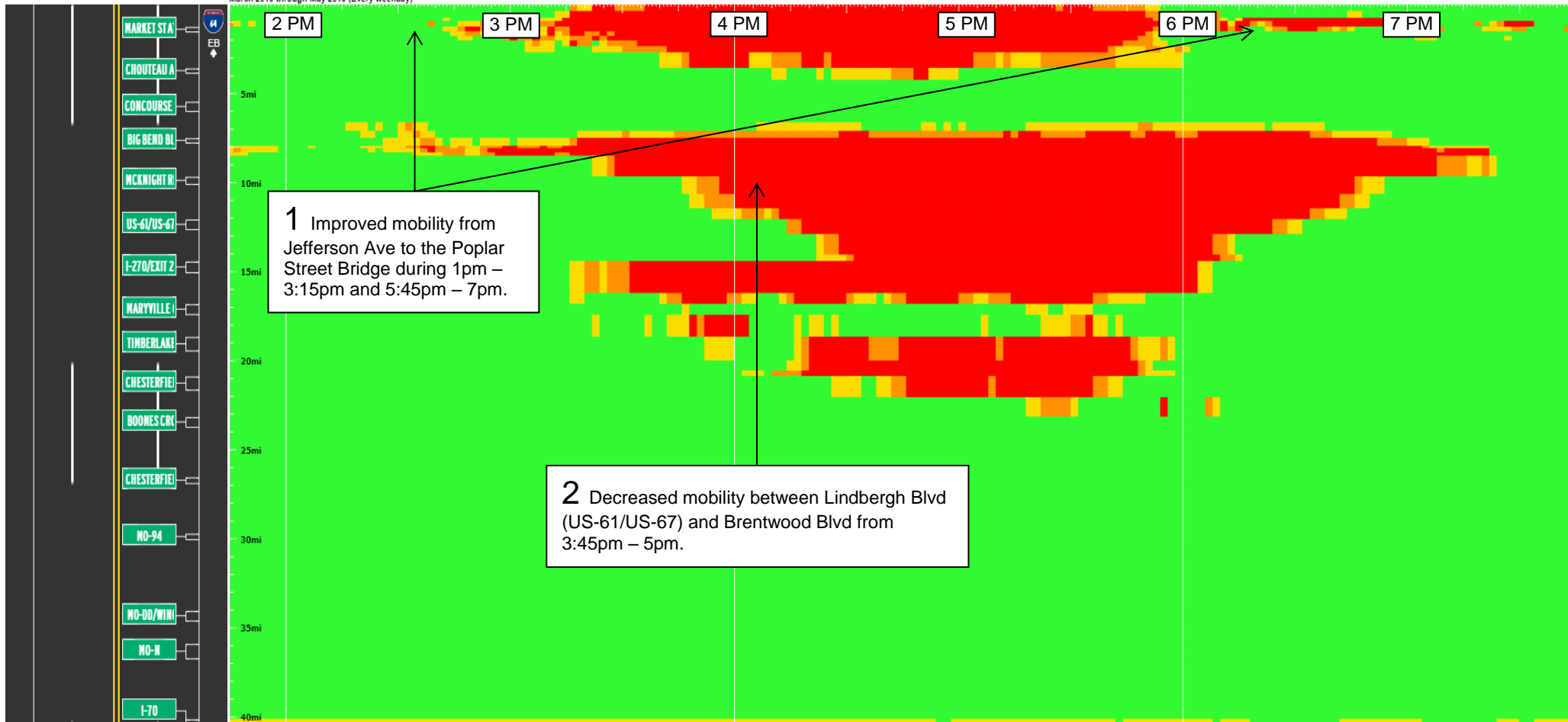




PM 2019 EB I-64

**Congestion for I-64 Eastbound using HERE data**  
 Averaged by 2 minutes for March 2019 through May 2019 (Every weekday)

March 2019 through May 2019 (Every weekday)



Congestion (%)





# FREEWAY MANAGEMENT

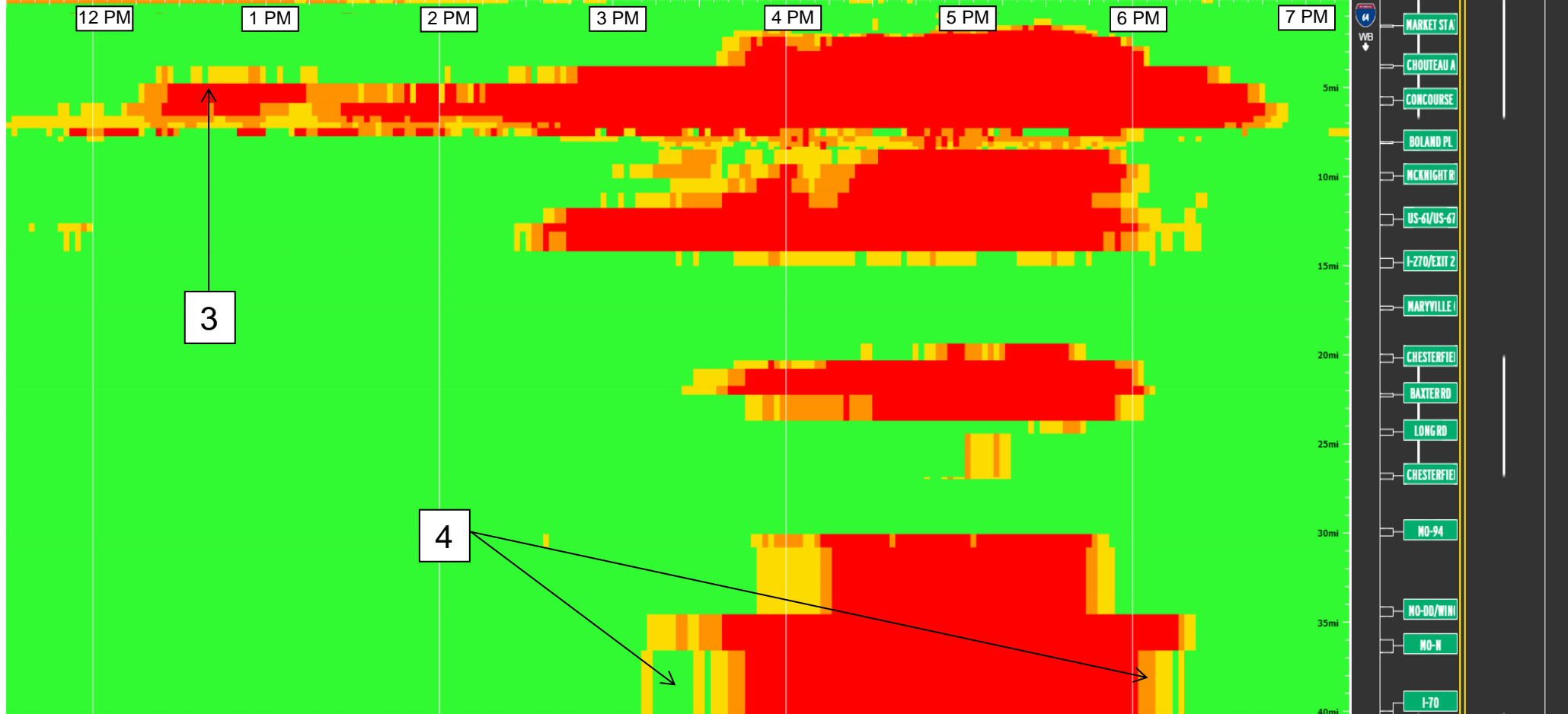
ST. LOUIS DISTRICT ■ QUARTERLY REGIONAL MOBILITY REPORT ■ MARCH / APRIL / MAY 2019



PM 2018 WB I-64

**Congestion for I-64 Westbound using HERE data**  
Averaged by 2 minutes for March 2018 through May 2018 (Every weekday)

March 2018 through May 2018 (Every weekday)



Congestion (%)

0

50

80

85

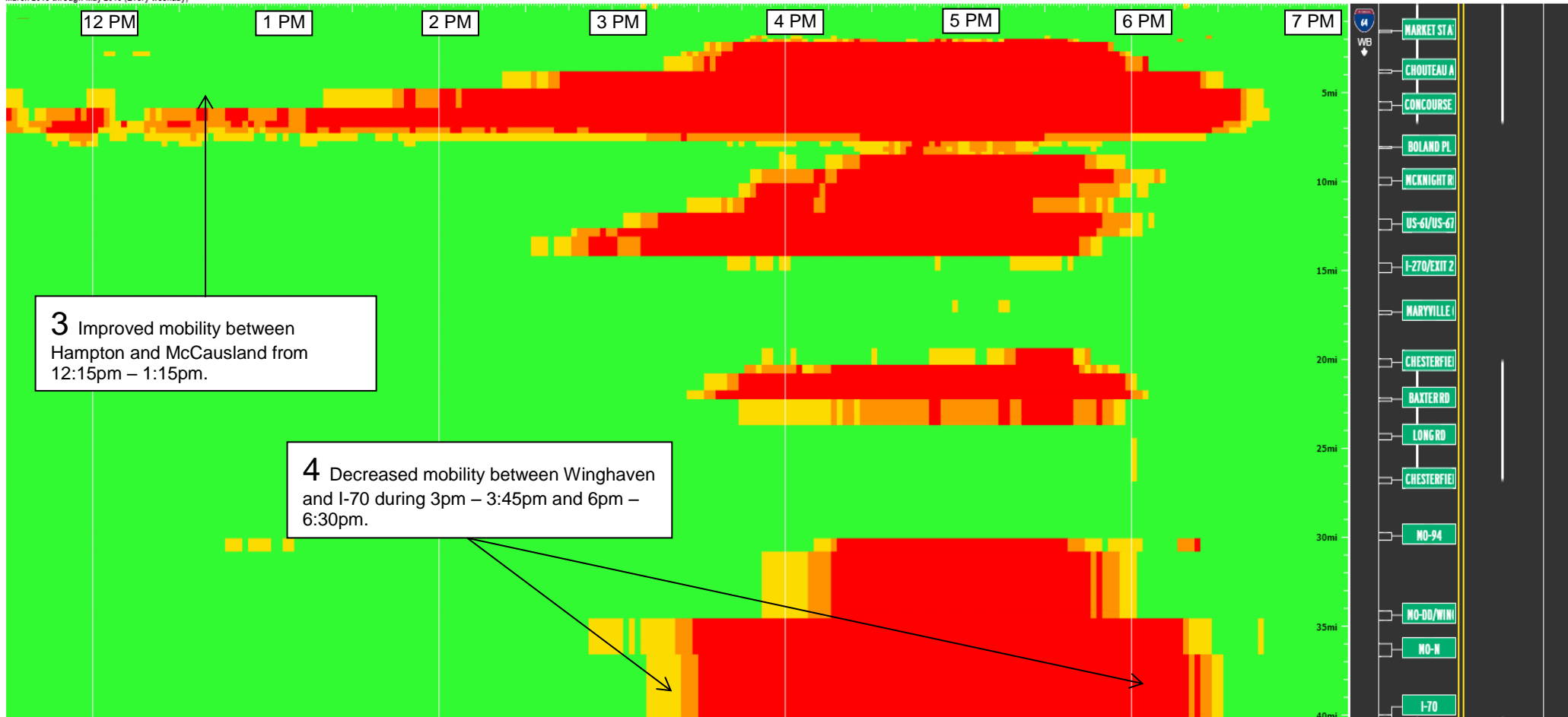
90



PM 2019 WB I-64

## Congestion for I-64 Westbound using HERE data Averaged by 2 minutes for March 2019 through May 2019 (Every weekday)

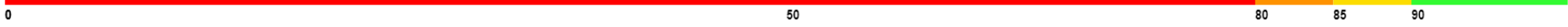
March 2019 through May 2019 (Every weekday)



**3** Improved mobility between Hampton and McCausland from 12:15pm – 1:15pm.

**4** Decreased mobility between Winghaven and I-70 during 3pm – 3:45pm and 6pm – 6:30pm.

Congestion (%)





# WORK ZONE MANAGEMENT

ST. LOUIS DISTRICT ■ QUARTERLY REGIONAL MOBILITY REPORT ■ MARCH / APRIL / MAY 2019



## TMC Observed Work Zones

	March 2019	April 2019	May 2019
<b>Level of Travel Time Impact</b>	<b>Number of Work Zones</b>	<b>Number of Work Zones</b>	<b>Number of Work Zones</b>
<b>Major Impact</b>	<b>9</b>	<b>14</b>	<b>17</b>
<b>Moderate Impact</b>	<b>20</b>	<b>24</b>	<b>24</b>
<b>Minor Impact</b>	<b>163</b>	<b>161</b>	<b>170</b>
<b>Total</b>	<b>192</b>	<b>199</b>	<b>211</b>

◆ Goal: 91%

### SL Mobility Rating:

- ◆ Mar 2019: 94%
- ◆ Apr 2019: 92%
- ◆ May 2019: 97%

### SL Visibility levels:

- ◆ Mar 2019: 92%
- ◆ Apr 2019: 95%
- ◆ May 2019: 93%





# WORK ZONE MANAGEMENT

ST. LOUIS DISTRICT ■ QUARTERLY REGIONAL MOBILITY REPORT ■ MARCH / APRIL / MAY 2019



## Additional Travel Time Impacts through Work Zones

Major Impact (15 Minutes or Above): #    Moderate Impact (10-14 Minutes): #    # #

Westbound I-44 from Jefferson to I-270

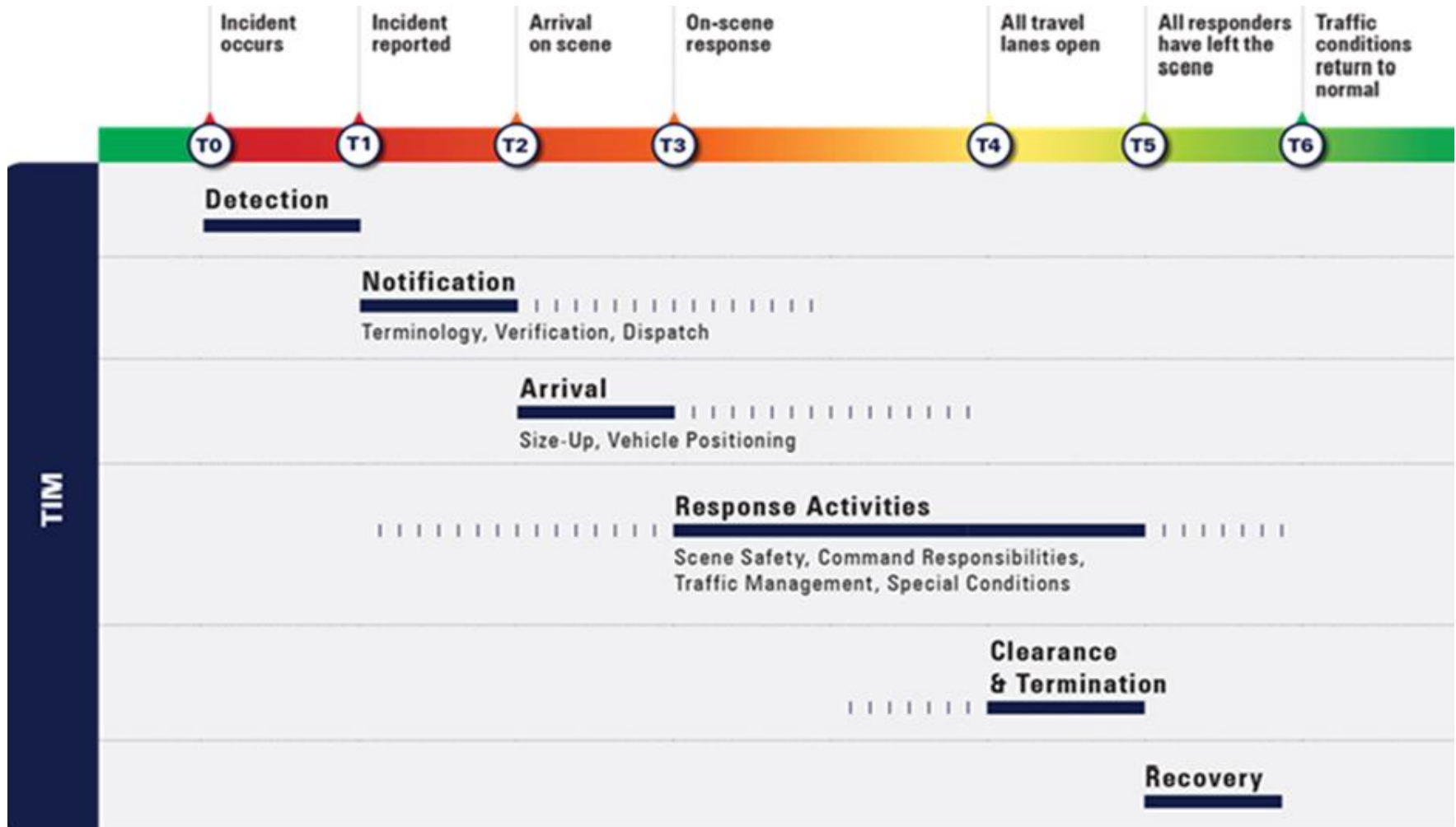
30 59

- Continued Bridge work with multiple project and daily lane closures
- All mitigation efforts were in use
- RITIS data recorded additional travel times with all delays during the AM-PM peak hours

Eastbound I-44 from I-270 to Jefferson

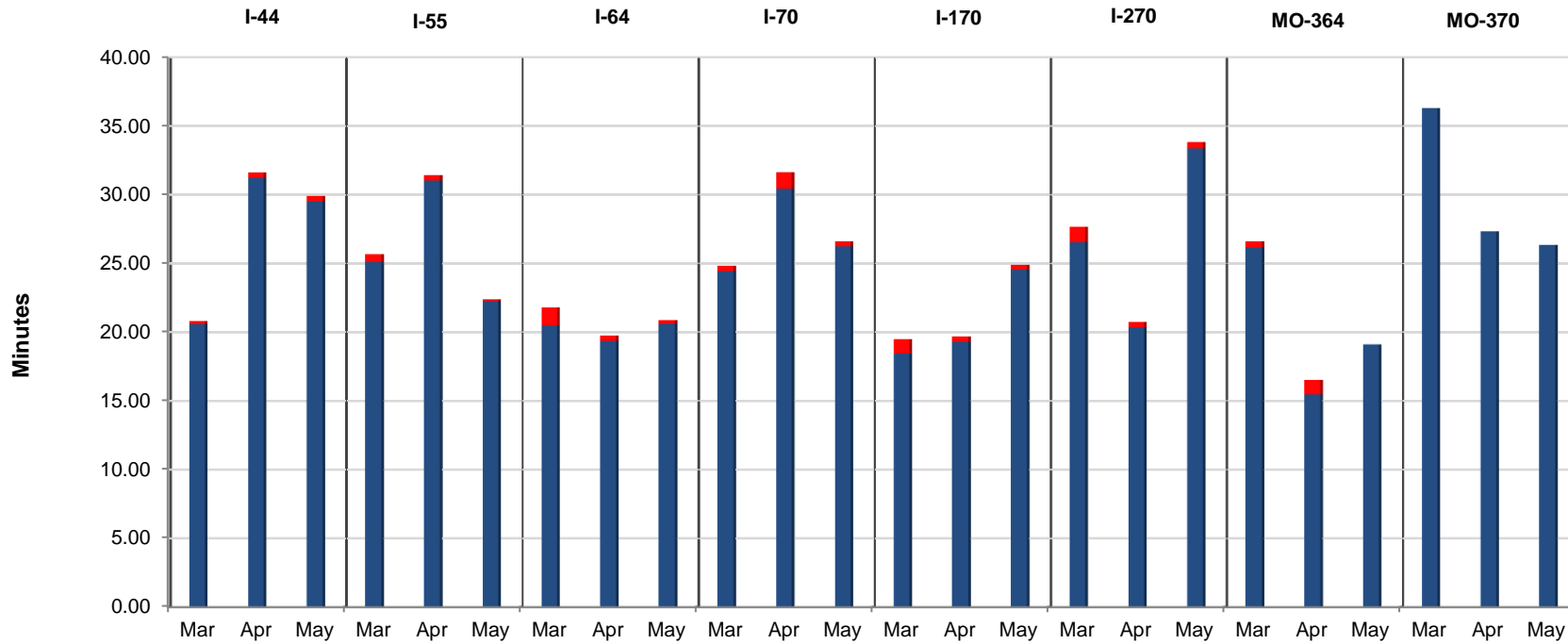
10 9

- Continued Bridge work with multiple projects and daily lane closures
- All mitigation efforts were in use
- RITIS data recorded additional travel times with all delays during the AM-PM peak hours





## March / April / May 2019 Incidents Summary



■ Average Time for Backup to Clear = T6 - T4

■ Average Time to Clear Incident from Lanes = T4 - T1



**Total Number of Incidents: / March: 1018 / April: 1056 / May: 1177**

Major Impact Incidents

Mar	Apr	May
(3)	(5)	(3)

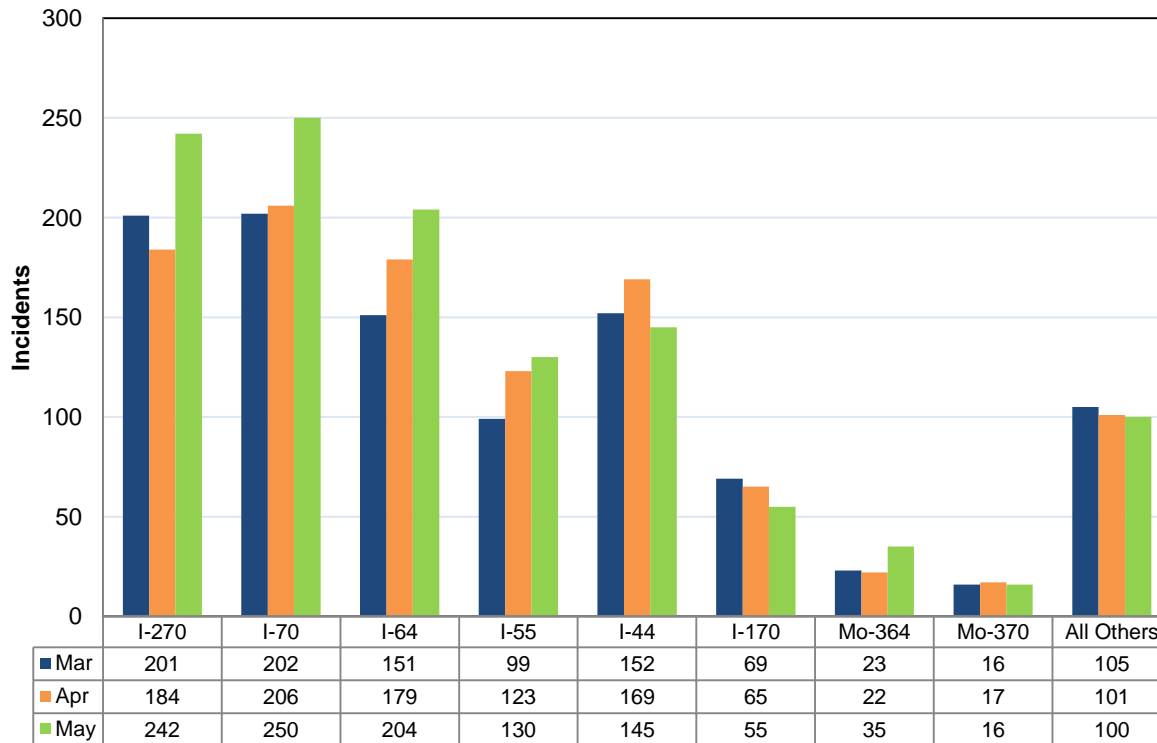
Fatal Incidents

Mar	Apr	May
(6)	(8)	(9)

Tractor Trailer Incidents

Mar	Apr	May
(67)	(56)	(60)

**Total Number of Lane Blocking Incidents**







# INCIDENT MANAGEMENT

ST. LOUIS DISTRICT ■ QUARTERLY REGIONAL MOBILITY REPORT ■ MARCH / APRIL / MAY 2019



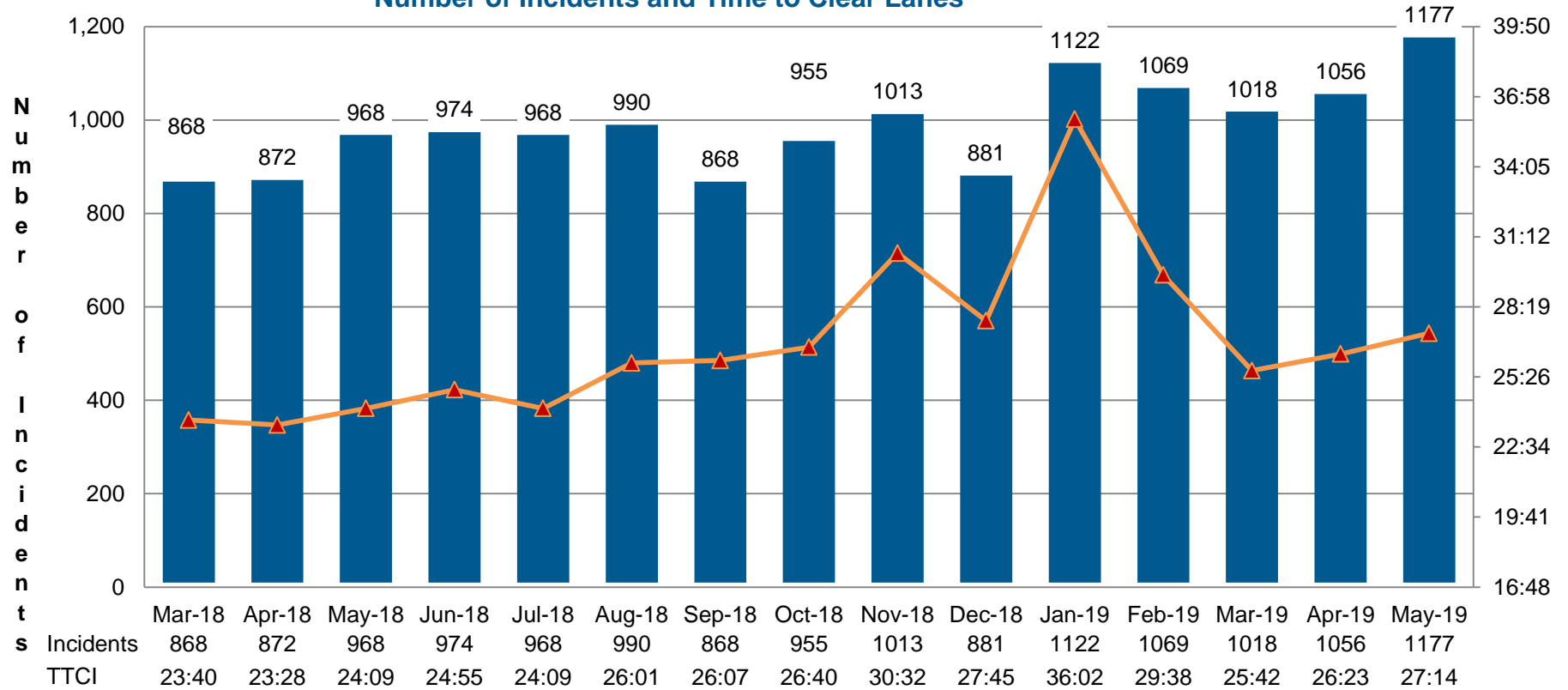
## Lane Blocking Incidents by Freeway March, April and May 2019

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	March	152	20:58	00:23	33	4.61
I-44	April	169	31:24	00:40	33	5.12
I-44	May	145	29:53	00:39	33	4.39
I-55	March	99	25:10	00:56	23	4.30
I-55	April	123	31:03	00:40	23	5.35
I-55	May	130	22:25	00:12	23	5.65
I-64	March	151	20:50	01:32	40	3.78
I-64	April	179	19:37	00:36	40	4.48
I-64	May	204	20:59	00:29	40	5.10
I-70	March	202	30:46	01:19	38	5.32
I-70	April	206	34:29	01:39	38	5.42
I-70	May	250	26:25	00:35	38	6.58
I-170	March	69	18:43	01:05	11	6.27
I-170	April	65	19:28	00:41	11	5.91
I-170	May	55	24:54	00:37	11	5.00
I-270	March	201	26:53	01:13	36	5.58
I-270	April	184	20:35	00:38	36	5.11
I-270	May	242	33:37	00:46	36	6.72
MO-364	March	23	26:13	00:47	11	2.09
MO-364	April	22	15:46	01:05	11	2.00
MO-364	May	35	19:12	00:00	11	3.18
MO-370	March	16	36:30	00:00	13	1.23
MO-370	April	17	27:35	00:00	13	1.31
MO-370	May	16	26:34	00:00	13	1.23
<b>Totals</b>	<b>March-May</b>	<b>2955</b>	<b>25:25</b>	<b>00:41</b>	<b>602</b>	<b>4.91</b>



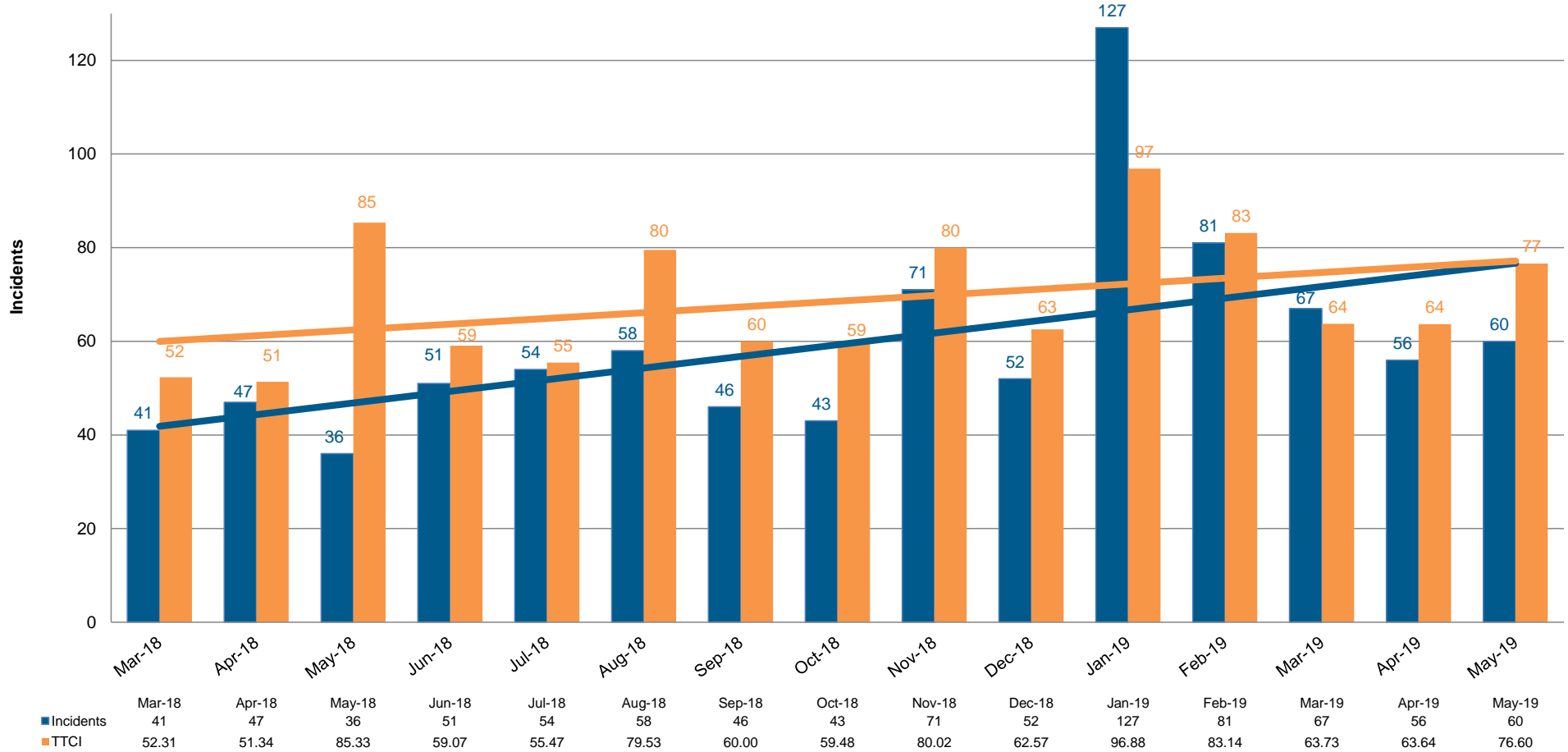
Number of Incidents and Time to Clear Lanes

Time to Clear Incidents





2018 – 2019 Number of Tractor Trailer Incidents / Time to Clear





# INCIDENT MANAGEMENT

ST. LOUIS DISTRICT ■ QUARTERLY REGIONAL MOBILITY REPORT ■ MARCH / APRIL / MAY 2019



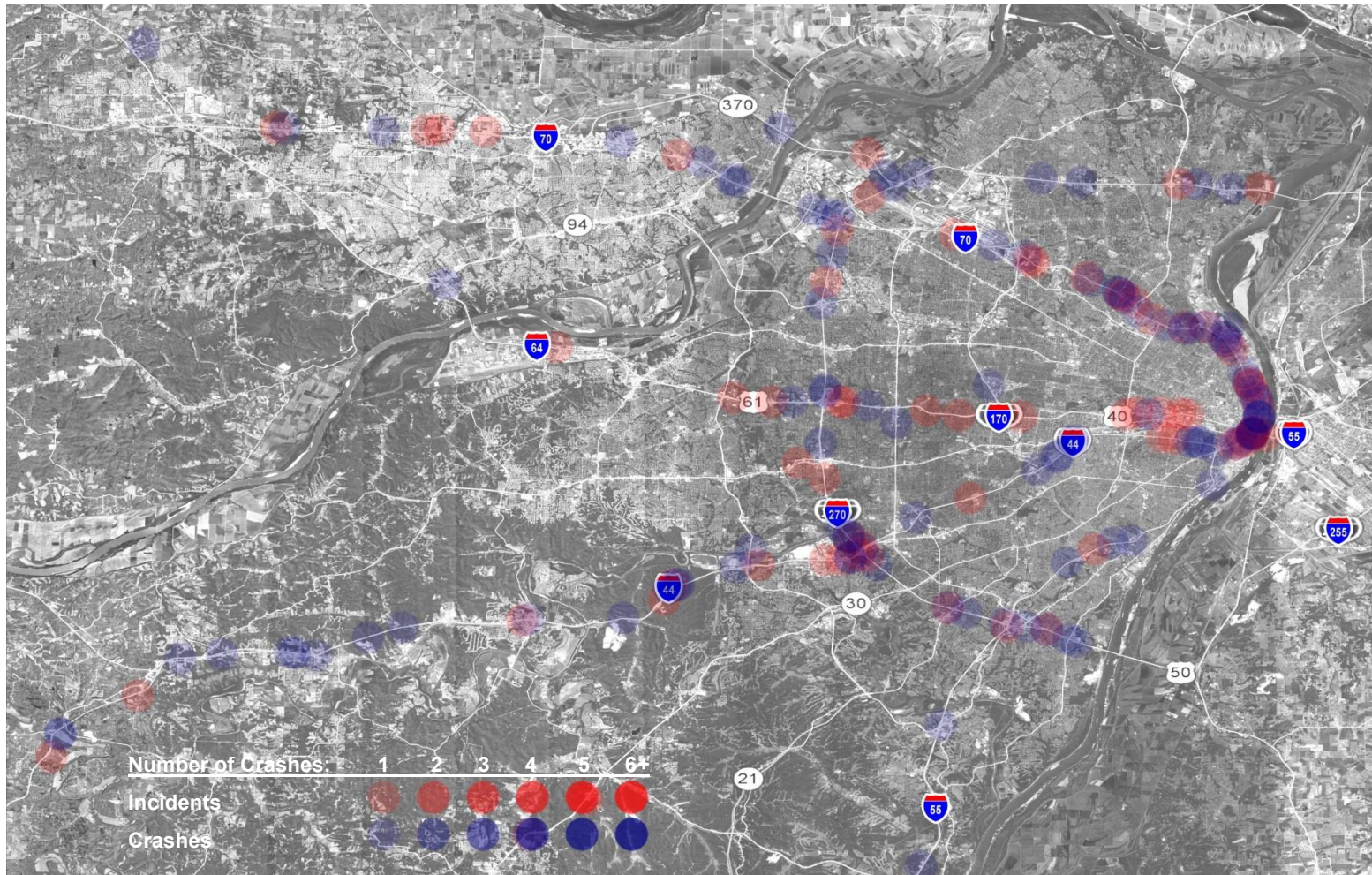
2019 Tractor Trailer Incidents by Route

2019	I-44	I-55	I-64	I-70	I-170	I-255/I-270	Route 364	Route 370	Other	Total
Jan	32	11	23	35	4	13	1	2	6	127
Feb	22	10	6	24	2	14	0	2	1	81
Mar	19	5	5	15	0	15	1	3	4	67
Apr	20	3	8	14	1	5	0	0	5	56
May	18	4	8	16	0	13	0	0	1	60
Jun										
Jul										
Aug										
Sep										
Oct										
Nov										
Dec										
Yearly Total	111	33	50	104	7	60	2	7	17	391





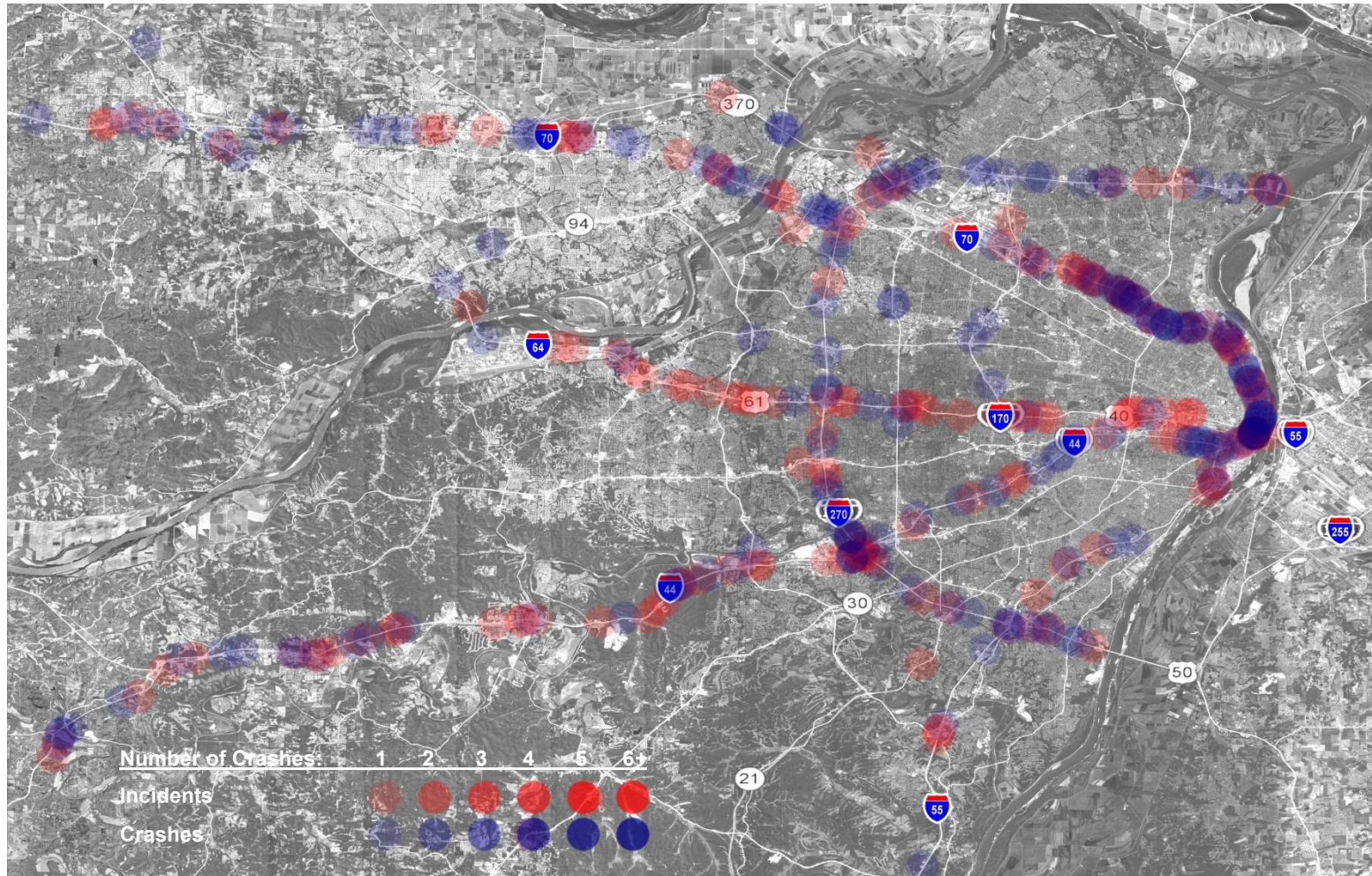
*March/April/May 2019 Tractor Trailer Incidents Map*







January 2019 – May 2019 Tractor Trailer Incidents Map





# INCIDENT MANAGEMENT

ST. LOUIS DISTRICT ■ QUARTERLY REGIONAL MOBILITY REPORT ■ MARCH / APRIL / MAY 2019



Incidents over Two Hours March / April / May 2019

Incidents in red denote high mobility impact

#	Date & Time	Day of Week	Route	Location	Description	Duration HH/MM
1	3/1/2019 11:15	Friday	I-55 SB	BEFORE US 61	Police pursuit of stolen vehicle with crash; caught fire	2:31
2	3/1/2019 12:22	Friday	MO 370 EB	BEFORE I-270	Tractor trailer crash diesel spill of 30 gallons into creek	5:06
3	3/4/2019 8:09	Monday	I-270 EB	TO WEST FLORISSANT AVE	ER truck working crash was hit by a second vehicle	2:29
4	3/5/2019 17:22	Tuesday	US 67 SB	PAST ROXANNA DR	Large pothole with emergency repair in lane 2	2:10
5	3/6/2019 17:13	Wednesday	I-270 SB	AT TESSON FERRY RD	Multi-vehicle crash; 2 SUV's a car and a tractor trailer	2:00
6	3/6/2019 17:33	Wednesday	MO 141 NB	PAST FOREST AVE	Police investigation of a police vehicle fire	2:24
7	3/7/2019 17:05	Thursday	MO 21 WB MO	HILLTOP MOBILE HOME PVT	Multi-vehicle fatal crash with utility truck into house	7:19
8	3/7/2019 18:31	Thursday	FOREST PARK PKWY CST	I-170 SB IS	Bridge repair for concrete falling from overpass	3:07
9	3/8/2019 5:47	Friday	I-270 EB	AT BELLEFONTAINE RD	Multi-vehicle crash with multiple injuries	2:24
10	3/12/2019 0:28	Tuesday	I-270 EB	TO BELLEFONTAINE RD	Two-vehicle double fatal crash with reconstruction	3:34
11	3/12/2019 13:13	Tuesday	US 67 NB	PAST CHEZ PAREE DR	Car vs motorcycle double fatal crash with reconstruction	2:46
12	3/13/2019 1:08	Wednesday	I-255 WB	TO I-55 SB	Single-vehicle tractor trailer crash with diesel fuel spill	3:47
13	3/16/2019 15:51	Saturday	I-64 WB	AT HAMPTON	Multi-vehicle crash with delayed private tow response	2:58
14	3/17/2019 2:55	Sunday	I-70 WB	BEFORE GRAND AVE	Multi-vehicle fatal crash involving 8 vehicles	5:02
15	3/17/2019 4:03	Sunday	I-70 WB	BEFORE SALISBURY	Police chase ended with crash into tractor trailer	2:50
16	3/18/2019 16:05	Monday	MO 141 SB	TO I-55 NB	Two-vehicle crash with tractor trailer load of 40,000lbs of aluminum cans that were off-loaded from trailer	4:36
17	3/22/2019 13:31	Friday	US 61 NB US	E PEINE LOOP RD CRD	Single-vehicle overturned concrete truck crash	4:02
18	3/22/2019 13:53	Friday	SB 47 MO	7200	Car vs tractor trailer 4 fatalities and reconstruction	3:49
19	3/22/2019 13:58	Friday	NB 47 MO	COLLEGE RD CRD	Emergency vehicles closed lanes for reconstruction	3:46
20	3/22/2019 15:03	Friday	MO 370 EB	ON RAMP FROM MO 94	Commercial vehicle spilled oil 100 yards in length	2:35
21	3/27/2019 15:29	Wednesday	I-55 SB	PAST ROUTE Z	Car vs tractor trailer crash; truck was hauling used batteries leaked on to roadway required cleanup	4:09





# INCIDENT MANAGEMENT

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#	Date & Time	Day of Week	Route	Location	Description	Duration HH/MM
22	3/30/2019 9:28	Saturday	I-255 EB	AT TELEGRAPH RD	Single-vehicle tractor trailer crash with fuel spill and injuries 2 dogs 1 human	3:11
23	4/1/2019 6:53	Monday	I-70 EB	PAST LAKE ST LOUIS BLVD	Two-vehicle fatal crash with reconstruction / debris	4:12
24	4/1/2019 8:00	Monday	I-70 EB	ON RAMP FROM ROUTE A	Emergency vehicles providing traffic control	2:51
25	4/4/2019 6:27	Thursday	E PAGE AVE CST	WARSON RD CST	Two-vehicle fatal crash with reconstruction	3:42
26	4/4/2019 15:30	Thursday	I-44 EB	AT COLE ST	Dump truck spilled metal over median onto vehicle	3:25
27	4/4/2019 15:31	Thursday	I-44 WB	BEFORE I-64	Metal debris spilled on vehicle over median wall	3:24
28	4/4/2019 16:01	Thursday	I-70 EB EXPRESS LNS	AT UNION BLVD	Express lanes closed for traffic control on EB I-44	2:20
29	4/6/2019 6:04	Saturday	I-44 EB	PAST ANTIRE RD	Tractor Trailer fire carrying 40,000 lbs. of corned beef	10:46
30	4/9/2019 17:30	Tuesday	I-44 WB	ON RAMP FROM I-64 WB	Overtuned tractor trailer carrying tomato sauce	3:15
31	4/11/2019 8:01	Thursday	I-270 WB	AT NEW HALLS FERRY RD	Multi-vehicle crash with injuries and extrication	3:02
32	4/13/2019 4:47	Saturday	I-70 WB	AT GOODFELLOW	Single vehicle crash with pedestrian fatally struck	3:42
33	4/13/2019 16:30	Saturday	I-44 WB	PAST BUS 44 SIX FLAGS RD	Multi-vehicle crash involving two cars, a pickup truck two tractor trailers one overturned that had to be off-loaded an SUV and an injection with injuries	10:10
34	4/13/2019 16:53	Saturday	I-44 WB	AT BUS 44 SIX FLAGS RD	Emergency vehicles for traffic control	3:56
35	4/14/2019 2:20	Sunday	I-55 SB	BEFORE BAYLESS AVE	Fatal two-vehicle wrong way driver crash with injuries	4:35
36	4/15/2019 4:17	Monday	I-70 EB	BEFORE T R HUGHES BLVD	Tractor trailer fire/ trailer buckled when being towed	2:52
37	4/15/2019 19:12	Monday	I-70 WB	BEFORE WEST FLORISSANT	Fatal motorcycle crash with reconstruction	2:43
38	4/15/2019 19:14	Monday	I-70 WB	ON RAMP FROM CARRIE AVE	Emergency vehicles for traffic control	2:43
39	4/16/2019 13:35	Tuesday	MO 370 EB	BEFORE I-270	Shredded cardboard debris in roadway	2:19
40	4/16/2019 22:54	Tuesday	I-55 SB	BEFORE ROUTE M	Wrong way driver struck tractor trailer / load shifted extrication, injuries and reconstruction took place	7:37



# INCIDENT MANAGEMENT

ST. LOUIS DISTRICT ■ QUARTERLY REGIONAL MOBILITY REPORT ■ MARCH / APRIL / MAY 2019



#	Date & Time	Day of Week	Route	Location	Description	Duration HH/MM
41	4/17/2019 14:31	Wednesday	I-64 EB	AT 11TH ST	Two-vehicle crash	2:16
42	4/19/2019 7:49	Friday	I-255 WB	TO I-55 NB	Single-vehicle overturned dump truck diesel fuel spill	2:34
43	4/19/2019 7:54	Friday	I-70 WB	PAST ZUMBEHL RD	Stalled tractor trailer 100 gal. diesel fuel spill cleanup	4:16
44	4/22/2019 10:47	Monday	E 100 MO	HOGAN AVE CST	Emergency vehicles	2:53
45	4/27/2019 7:18	Saturday	I-44 WB	AT MLK/CONVENTION	Stalled tractor trailer	2:11
46	4/28/2019 19:38	Sunday	US 67 NB	PAST MCDONNELL BLVD	Super-load moving slow taking up NB/SB lanes	3:31
47	4/28/2019 21:14	Sunday	I-55 SB	TO MO 141 SB	Single-vehicle fatal pedestrian strike with investigation	4:59
48	4/30/2019 13:36	Tuesday	I-270 WB	AT MCDONNEL BLVD	Tractor Trailer Crash with diesel fuel spill	3:30
49	5/1/2019 4:48	Wednesday	I-64 EB	PAST MARYVILLE CENTRE DR	Single vehicle crash into median with a broken axle drain cleaning took place because of heavy rain	3:32
50	5/1/2019 5:39	Wednesday	I-44 EB	PAST ANTIRE RD	Overturned tandem tractor trailer in ditch	2:33
51	5/1/2019 7:24	Wednesday	I-270 EB	TO MO 370 NB	Jackknifed tractor trailer struck bridge column with diesel fuel spill into creek and environmental cleanup	7:44
52	5/1/2019 21:35	Wednesday	I-70 WB	BEFORE BRANCH	Stalled box truck with broken hitch	3:11
53	5/4/2019 19:54	Saturday	I-64 EB	TO KINGSHIGHWAY BLVD	Two-vehicle crash with ejection and reconstruction	2:16
54	5/5/2019 0:38	Sunday	MO 370 WB	BEFORE TRUMAN BLVD	Single-vehicle fatal crash with reconstruction	3:47
55	5/5/2019 1:10	Sunday	RT D	GRAND BLVD CST	Signal knockdown with mast arm in roadway	3:03
56	5/5/2019 20:08	Sunday	I-44 EB	TO LP I-44	Two-vehicle fatal crash motorcycle vs tractor trailer with reconstruction	3:53
57	5/9/2019 0:41	Thursday	I-64 EB	PAST VANDEVENTER AVE	Single vehicle tractor trailer crash with injuries, a fuel spill of 120 gallons in the ditch and 120 on the shoulder, environmental clean-up and a buckle in the pavement when vehicle was drug off scene	4:04
58	5/10/2019 15:22	Friday	I-70 EB	TO FLORISSANT RD	Single-vehicle SUV crash with six critical injuries and reconstruction	2:03



# INCIDENT MANAGEMENT

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#	Date & Time	Day of Week	Route	Location	Description	Duration HH/MM
59	5/11/2019 15:08	Saturday	I-270 EB	AT LINDBERGH BLVD	Two-vehicle fatal crash with reconstruction	4:14
60	5/12/2019 2:46	Sunday	I-70 EB	BEFORE LAKE ST LOUIS BLVD	Two-vehicle crash jackknifed tractor trailer spilled 100 gallons of diesel fuel and debris in roadway	2:46
61	5/14/2019 22:32	Tuesday	US 67 SB	PAST NEW HALLS FERRY RD	Two-vehicle fatal crash 1 injury and reconstruction	3:59
62	5/14/2019 22:34	Tuesday	US 67 NB	PAST TROTTER WAY	Emergency Vehicles for traffic control reconstruction	4:01
63	5/15/2019 6:34	Wednesday	I-270 WB	AT RIVERVIEW DR	Tractor trailer hauling walnuts and pecans caught fire	4:45
64	5/18/2019 2:44	Saturday	I-44 WB	PAST BROADWAY	Two-vehicle crash car vs. tractor trailer with fuel spill	3:08
65	5/19/2019 14:34	Sunday	I-44 EB	AT PARK AVE	Two-vehicle fatal crash car vs. tractor trailer with reconstruction	3:27
66	5/19/2019 15:27	Sunday	I-44 EB	ON RAMP FROM GRAVOIS AVE	Emergency vehicles for traffic control	2:35
67	5/19/2019 20:20	Sunday	I-270 EB	ON RAMP FROM RIVERVIEW RD	Emergency vehicles for police investigation of shooting	3:16
68	5/19/2019 20:46	Sunday	I-270 WB	TO RIVERVIEW DR	Emergency vehicles for police investigation of shooting	2:50
69	5/19/2019 21:04	Sunday	I-270 EB	TO RIVERVIEW DR	Emergency vehicles for police investigation of shooting	2:31
70	5/23/2019 2:55	Thursday	I-270 SB	TO I-70 WB	Overturned tractor trailer crash with injuries truck hauling grapes had to be unloaded; truck moved to the shoulder with delayed recovery after evening rush	4:32
71	5/23/2019 3:54	Thursday	I-70 EB	AT JENNINGS STA RD	Tractor trailer vs. car with state damage to guardrail, light and sensor pole knocked down, and a diesel spill	5:14
72	5/25/2019 17:57	Saturday	I-70 WB	PAST MADISON	Stalled tractor trailer with busted airline	4:03
73	5/26/2019 1:07	Sunday	I-270 EB	AT MO 367	Multi-vehicle crash with fatal pedestrian strike	4:37
74	5/26/2019 1:13	Sunday	I-270 EB	ON RAMP FROM MO 367 NB	Emergency vehicles for traffic control	4:08
75	5/26/2019 1:15	Sunday	I-270 EB	ON RAMP FROM MO 367	Emergency vehicles for traffic control	4:11
76	5/26/2019 15:01	Sunday	I-270 EB	BEFORE NEW FLORISSANT	Multi-vehicle crash with multiple injuries and light reconstruction	3:10
77	5/27/2019 14:13	Monday	ROUTE 367 NB	AT US 67	Single-vehicle fatal car fire with reconstruction	2:29





# INCIDENT MANAGEMENT

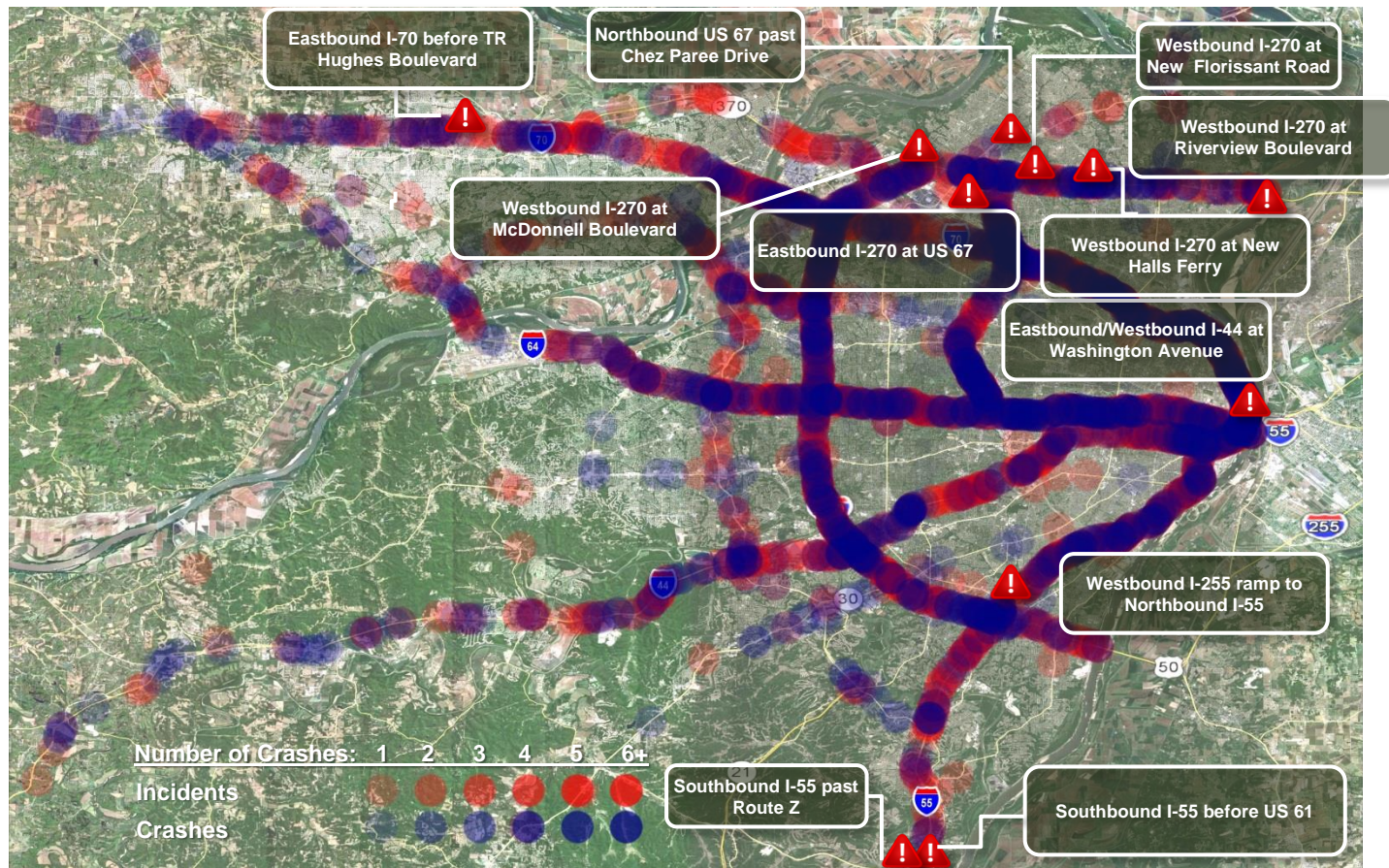
ST. LOUIS DISTRICT ■ QUARTERLY REGIONAL MOBILITY REPORT ■ MARCH / APRIL / MAY 2019



#	Date & Time	Day of Week	Route	Location	Description	Duration HH/MM
78	5/28/2019 17:08	Tuesday	I-55 NB	TO LOUGHBOROUGH	Sink hole forced closure of ramp to Loughborough until St. Louis City can fix it / entered in ATMS as a work zone	2:26
79	5/29/2019 19:49	Wednesday	I-270 WB	AT NEW FLORISSANT RD	Multi-vehicle crash with an overturned car and an overturned tandem tractor trailer with multiple injuries and a 100 gal. diesel spill clean up	6:53



## March/April/May 2019 Incidents with Mobility Impact Map




Denotes Location of Major Impact Traffic Incidents



## Major Impact Traffic Incidents and Mitigation

### 3/1/2019 (Friday)

- **Time:** 11:15 am – 1:46 pm
- **Location:** Jefferson County – Southbound I-55 before US 61
- **Event Type:** Single-vehicle Crash with Police Crime Investigation
- **Estimated Initial Impact:** Non-Rush Hour: 2 of 2 travel lanes affected equals (=) 100%
- **Incident Details:** Police chase of a reported stolen pickup truck that ended in a single vehicle crash off the road followed by fire and police investigation.
- **Action Taken:** TMC operations began following a police pursuit on I-55 in Jefferson County on cameras. Before the pursuit reached US 61 on Southbound I-55 the vehicle that was being chased left the roadway and caught fire in the woods. MSHP arrived on scene quickly. TMC operations entered event into ATMS and activated appropriate DMS boards. Within moments all lanes were closed as EMS arrived and Fire extinguished the vehicle fire. All lanes remain closed due to AIR EVAC landing on Southbound I-55. One person was transported via Air Evac and one person by local EMS.  
The traffic queue reached 3.2 miles and improved when police diverted traffic off at Southbound US 67/61. Since MoDOT Emergency Response crews were on shift change there was a delay for responders to arrive at the scene. There was also a longer than normal delay for a police investigation. MoDOT Emergency Response advised state damage as a MM sign was knocked down. The remaining traffic queue cleared in 7 minutes.
- **Event Duration:** 2 hours 31 minutes

	<b>Southbound I-55 before US 61</b>	Left Shoulder	Lane 1	Lane 2	Right Shoulder
<b>Closed Hours/Minutes</b>		1:15	1:15	2:28	2:31







# INCIDENT MANAGEMENT


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## Major Impact Traffic Incidents and Mitigation

### 3/12/2019 (Tuesday)

- **Time:** 1:13 pm – 3:59 pm **\*\*\*Fatality\*\*\***
- **Location:** St. Louis County – Northbound US 67 past Chez Paree Drive
- **Event Type:** Two-vehicle crash motorcycle vs car
- **Estimated Initial Impact:** Rush Hour: 2 of 2 travel lanes affected equals (=) 100%
- **Incident Details:** TMC operators
- **Action Taken:** St. Louis County Police blocked lanes 1 and 2 Northbound past Chez Paree Drive and blocked Southbound US 67 at Manresa. MoDOT Emergency Response arrived on scene and started diverting traffic onto Dunn Road for Northbound traffic. Traffic was diverted onto county roads for both northbound and southbound traffic while the reconstruction took place. At 3:18 pm Southbound US 67 was re-opened. Tow arrived on scene to pick up vehicle #1 and removed it from scene after reconstruction was completed. The EOC, Maintenance Superintendent, Communication Staff, and the MoDOT Incident Management Coordinator were all notified. The TMC messaged for the event and entered it into TMS to notify the public of the closure. An incident alert, update and cleared were used to advise management of the closure. A signal engineer was contacted and looked at the arterial signals, but no mitigation could be used. Traffic queued approximately 1 mile, but returned to normal immediately after all lanes were opened.
- **Event Duration:** 2 hours 46 minutes

 U.S. Route 67	Northbound US 67 past Chez Paree Drive	Lane 1	Lane 2	Right Shoulder
Closed Hours/Minutes		2:30	2:46	2:46







# INCIDENT MANAGEMENT

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## Major Impact Traffic Incidents and Mitigation

3/27/2019 (Wednesday)

- **Time:** 3:29 pm – 7:02 pm
- **Location:** Jefferson County – Southbound I-55 past Route Z
- **Event Type:** Two-vehicle crash
- **Estimated Initial Impact:** Rush Hour: 1 of 2 travel lanes affected equals (=) 50%
- **Incident Details:** A tractor trailer that was hauling used batteries collided with a car and spilt an unknown amount of hazmat material in the right lane. The TMC dispatched MoDOT Emergency Response to the scene.
- **Action Taken:** The TMC operators observed on CCTV a two-vehicle crash. Pevely Police, Fire, and EMS closed the right lane for southbound traffic. MoDOT Emergency Response arrived on scene and set up traffic control. A traffic engineer was notified and began to adjust necessary signal timing for traffic to exit at Imperial Main. The ER Supervisor, Communication Staff, EOC and DNR were all notified. The TMC entered the incident into TMS to notify the public of the closure. An incident alert, update and cleared were used to advise management of the closure. Hazmat had a delayed response. The tractor trailer was moved to the commuter lot in Herculaneum to be off-loaded. Traffic queue was roughly 8.4 miles, but returned to normal roughly 35 minutes after all lanes were opened.
- **Event Duration:** 4 hours 9 minutes

	Northbound I-55 past Route Z	Lane 1	Lane 2	Right Shoulder
Closed Hours/Minutes		0:00	4:09	4:09



# INCIDENT MANAGEMENT

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# INCIDENT MANAGEMENT

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## Major Impact Traffic Incidents and Mitigation

### 4/4/2019 (Thursday)

- **Time:** 3:29 pm – 6:15 pm
- **Location:** St. Louis City – Eastbound/Westbound I-44 at Washington Avenue
- **Event Type:** Overtaken Tractor Trailer with secondary crash in opposing direction
- **Estimated Initial Impact:** Rush Hour: 2 of 2 travel lanes affected equals (=) 100%
- **Incident Details:** While monitoring CCTV's, a TMC Operator observed an overturned tractor trailer in the eastbound lanes of I-44 at Washington Avenue, blocking both lanes of traffic. The tractor trailer was hauling scrap metal, which had partially spilled over into the opposing westbound lanes causing a secondary crash. Both lanes of the westbound were also blocked. However, traffic was getting by on the right shoulder.
- **Action Taken:** The TMC immediately dispatched two MoDOT Emergency Responders as well as a supervisor to assist with traffic control/diversion. The incident and secondary were entered in ATMS and DMS boards were activated in less than a minute. This also auto populated an entry into TMS to alert drivers of the closures. Within a minute or two St. Louis City Police, Fire and EMS started arriving on scene. Based on the amount of debris and scrap metal all over the roadway in both directions, the TMC contacted the MoDOT Maintenance Supervisor at the Broadway Building and requested they respond to assist in the cleanup. The TMC emailed the supervisor a picture of the scene, so that he would know what equipment would be needed. They responded with five maintenance workers and cleanup equipment to the scene within the first 10 minutes of the incident. The TMC notified Community Relations, EOC, Motor Carriers, the Area Engineer, and the MoDOT Incident Management Coordinator. The appropriate Incident Alerts and Admintexts were sent out. IDOT was contacted with a request for message boards to be activated alerting westbound motorists. IDOT also sent two of their Emergency Responders to further assist with traffic control. Eastbound traffic was diverted off onto Eastbound I-64 across the Poplar Street Bridge where they could loop around and come back across on the Stan Musial Bridge. Approximately 30 minutes into the incident, police blocked the right shoulder of Westbound I-44 so the vehicle involved in the secondary could be removed, and to begin cleanup of the debris. Traffic was diverted off at Tucker and to the Stan Musial Bridge. Police closed the express lanes and diverted traffic in the queue off at Broadway. The TMC quickly updated the appropriate message boards far enough in advance to allow drivers to make alternate route decisions. Traffic at the height of the incident queued 3.6 miles on Eastbound I-44 and 6.7 miles on Westbound I-44. Due in part to the TMC personnel getting the appropriate units and equipment in route so quickly, both directions of the interstate were cleared and all lanes reopened in less than 3 hours from the start of the incident.
- **Event Duration:** 2 hours 46 minutes



	Eastbound I-44 at Washington Avenue	Left Shoulder	Lane 1	Lane 2	Right Shoulder
		Closed Hours/Minutes	2:46	2:46	2:46

	Westbound I-44 at Washington Avenue	Left Shoulder	Lane 1	Lane 2	Right Shoulder
		Closed Hours/Minutes	2:44	2:44	2:18








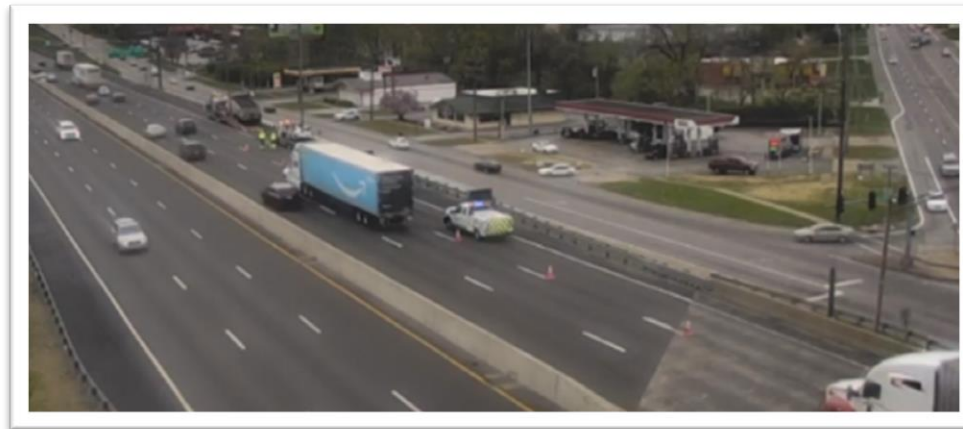
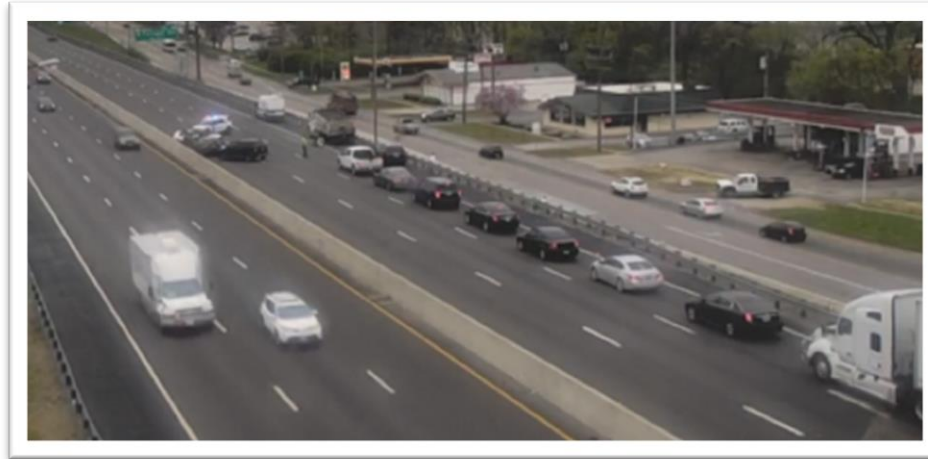


## Major Impact Traffic Incidents and Mitigation

### 4/11/2019 (Thursday)

- **Time:** 8:01 am – 11:03 pm
- **Location:** St. Louis County – Westbound I-270 at New Halls Ferry
- **Event Type:** Multi-vehicle crash with entrapment
- **Estimated Initial Impact:** Rush Hour: 3 of 3 travel lanes affected equals (=) 100%
- **Incident Details:** Multi-vehicle crash involving two cars and a dump truck with an entrapment and injury
- **Action Taken:** TMC Operators heard of the incident via radio and confirmed incident on CCTV and notified MoDOT Emergency Response, to assist with traffic control. TMC Operators entered event into ATMS and activated appropriate DMS boards. IDOT was notified and activated boards. Communication was also notified. A traffic engineer adjusted signal-timing remotely from the TMC. All lanes were closed, traffic was diverted off on to New Halls Ferry on to the North Outer Road and back on the entrance ramp from New Halls Ferry. St. Louis County PD, Black Jack PD, and Black Jack Fire Rescue were all on the scene as well as three tow units including heavy-tow for the dump-truck. Lanes were intermittently opened and closed throughout the event. Lengthy event time due to waiting for heavy tow. Traffic queued 3.5 miles at its peak and it took 25 minutes for traffic to return to normal after event cleared.
- **Event Duration:** 3 hours 2 minutes

	Westbound I-270 at New Halls Ferry	Lane 1	Lane 2	Lane 3	Right Shoulder
Closed Hours/Minutes		0:58	0:59	2:55	2:55






## Major Impact Traffic Incidents and Mitigation

### 4/15/2019 (Monday)

- **Time:** 4:17 am – 7:09 am
- **Location:** St. Charles County – Eastbound I-70 before TR Hughes Boulevard
- **Event Type:** Tractor Trailer Fire with Secondary Crash
- **Estimated Initial Impact:** Rush Hour: 4 of 4 travel lanes affected equals (=) 100%
- **Incident Details:** Tractor trailer fire inside of lane-drop. Driver pulled off the mainline into the lane-drop. Tractor trailer was loaded with Coca-Cola bottles and cans.
- **Action Taken:** TMC Operators located on CCTV and dispatched MoDOT Emergency Response to respond. TMC Operators entered event into ATMS and activated appropriate DMS boards. MoDOT's work zone coordinator was notified. St. Charles County EMS, O'Fallon Police, O'Fallon Fire and Rescue, and Skyliner Tow all responded to the scene. Police closed all lanes at and diverted traffic onto Route K. Traffic queued 1.3 miles. A secondary crash involving a car and a pickup truck occurred in the queue on I-70 EB at Route K at in the left two lanes. Secondary queue reached 4.2 miles. The lengthy event time was due to the trailer buckling when it was towed off the interstate.
- **Event Duration:** 2 hours 52 minutes

	Eastbound I-70 before TR Hughes Boulevard	Left Shoulder	Lane 1	Lane 2	Lane 3	Lane 4	Right Shoulder
Closed Hours/Minutes		1:25	1:25	1:39	2:52	2:52	2:52








## Major Impact Traffic Incidents and Mitigation

### 4/19/2019 (Friday)

- **Time:** 7:49 am – 10:23 am
- **Location:** St. Louis County – Westbound I-255 ramp to Northbound I-55
- **Event Type:** Overtaken Dump Truck
- **Estimated Initial Impact:** Rush Hour: 2 of 2 travel lanes affected equals (=) 100%
- **Incident Details:** Dump truck hauling gravel overturned.
- **Action Taken:** TMC confirmed incident via CCTV and notified MoDOT Emergency Response to assist with traffic control. TMC operators entered event into ATMS, activated appropriate DMS boards and notified the MoDOT Area Engineer via voice mail. MoDOT Maintenance was notified and arrived with a Truck Mounted Attenuator and a sweeper. Traffic queued one mile at its peak. The cleanup accounted for the length of the incident.
- **Event Duration:** 2 hours 34 minutes

	Westbound I-255 ramp to Northbound I-255	Left Shoulder	Left Exit 1	Lane 1	Right Exit 1	Right Shoulder
Closed Hours/Minutes		2:34	2:34	2:34	2:34	2:34





# INCIDENT MANAGEMENT

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## Major Impact Traffic Incidents and Mitigation

### 4/30/2019 (Tuesday)

- **Time:** 1:36 pm – 5:06 pm
- **Location:** St. Louis County – Westbound I-270 at McDonnell Boulevard
- **Event Type:** Tractor trailer crash with fuel spill
- **Estimated Initial Impact:** Rush Hour: 4 of 4 travel lanes affected equals (=) 100%
- **Incident Details:** MoDOT maintenance reported jackknifed tractor trailer accident in westbound lanes with debris in the eastbound lanes (secondary incident). Truck leaked between 75-100 gallons of fuel on roadway. Maintenance cleared the eastbound lanes by throwing the debris over barrier wall into westbound lanes.
- **Action Taken:** TMC confirmed accident on CCTV, added incident in ATMS, activated boards and dispatched ER, MSHP and Hazelwood PD, fire and EMS, Tow and DNR responded. Driver's company provided environmental company for cleanup. EOC, MCS, and communications staff were notified. Lengthy event time due to nature of the incident and cleanup. A queue of 5 miles was observed.
- **Event Duration:** 3 hours 30 minutes

	Westbound I-270 at McDonnell Boulevard	Lane 1	Lane 2	Lane 3	Lane 4	Right Shoulder
		Closed Hours/Minutes	3:00	3:00	2:04	2:27







# INCIDENT MANAGEMENT

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## Major Impact Traffic Incidents and Mitigation

### 5/11/2019 (Saturday)

- **Time:** 3:08 pm – 7:22 pm \*\*\* Fatality \*\*\*
- **Location:** St. Louis County – Eastbound I-270 at US 67
- **Event Type:** Two-vehicle crash
- **Estimated Initial Impact:** Non-Rush Hour: 3 of 3 travel lanes affected equals (=) 100%
- **Incident Details:** The TMC was notified of a vehicle crash by Hazelwood Police Department who requested assistance with traffic control. A pickup truck that was entering Eastbound I-270 from US 67 pulled into the path of and collided with RV motorhome. The occupant of the pickup truck was fatally injured, and the driver of the pickup was transported with serious injuries.
- **Action Taken:** Hazelwood Police, Fire and EMS responded, as did the MSHP who took command of the scene. All lanes of Eastbound I-270 and the entrance ramp from US 67 were closed, with traffic being diverted off at Lindbergh. The TMC entered the incident into ATMS and immediately activated appropriate message boards. The closure was also auto-populated into TMS to notify the public. Two Emergency Response units were dispatched to assist with traffic. The EOC, AE, Communications, ER supervisor, and the Incident Command Coordinator were all notified and all appropriate alerts and texts were sent. Initially, both occupants of the pickup were transported to a local hospital. Once it was confirmed that the passenger had succumbed to his injuries, the MSHP called for a reconstruction team to respond. This extended the duration of the incident. Traffic queued approximately 2.4 miles at the height of the incident, then progressively cleared as lanes were reopened.
- **Event Duration:** 4 hours 14 minutes

	Eastbound I-270 at US 67	Lane 1	Lane 2	Lane 3	Right Shoulder
Closed Hours/Minutes		2:03	3:12	3:59	4:14












## Major Impact Traffic Incidents and Mitigation

### 5/15/2019 (Wednesday)

- **Time:** 6:34 am – 11:19 am
- **Location:** St. Louis County – Westbound I-270 at Riverview Boulevard
- **Event Type:** Tractor trailer fire
- **Estimated Initial Impact:** Rush Hour: 2 of 2 travel lanes affected equals (=) 100%
- **Incident Details:** Tractor Trailer brakes locked, sparked fire. Trailer was carrying walnuts and pecans.
- **Action Taken:** TMC confirmed incident via CCTV. ER dispatched to scene. TMC operators notified IDOT for DMS messaging, as well as SL Communications and EOC. ER detoured traffic onto Riverview Boulevard. IDOT reported a queue of seven miles. The trucking company provided their own cleanup crew. Lane 1 was progressively opened to move traffic. The lengthy event time was due to the nature of the incident and cleanup.
- **Event Duration:** 4 hours 45 minutes

	Westbound I-270 at Riverview Boulevard	Lane 1	Lane 2	Right Shoulder
Closed Hours/Minutes		1:56	4:44	4:45






## Major Impact Traffic Incidents and Mitigation

### 5/29/2019 – 5/30/2019 (Wednesday - Thursday)

- **Time:** 7:49 pm – 2:42 am \*\*\* Hazmat \*\*\*
- **Location:** St. Louis County – Westbound I-270 at New Florissant
- **Event Type:** Multi-Vehicle Crash with Hazmat
- **Estimated Initial Impact:** Non-Rush Hour: 3 of 3 travel lanes affected equals (=) 100%
- **Incident Details:** TMC operators saw traffic backup on the ATMS map. After reviewing the cameras, Florissant PD was discovered on scene with an overturned tractor trailer. The tractor trailer was a part of a four-vehicle accident with another overturned vehicle.
- **Action Taken:** A St. Louis City/County IMText was sent to notify the SL District Leadership Team and Communications of the incident. Central Office EOC was also notified. Six Emergency Response units were sent to the scene to help traffic control. Police and Emergency Response diverted traffic to New Florissant. A traffic engineer was contacted to adjust the traffic signal at New Florissant and Dunn Road to help move traffic. The TMC used DMS boards along I-270, MO 367 and US 67 to warn to motorists of closure. IDOT was also contacted for DMS boards and agreed to activate theirs. A Floodgate was also activated. Two heavy tow trucks arrived to remove the tandem trailer. DNR was contacted due to 100 gallons of fuel that spilled into the roadway. St Louis County Hazardous Materials Team was also contacted because the trailer tractor was carrying 1241 gallons of corrosive liquid NOS and 97 pounds of propylene. Emergency Response had to close the left lane for eastbound traffic to uptight the trailer safety due to the size. The duration of the incident was extended due to inspection of the containers to make sure they could be moved and the cleanup company traveling to the scene from Jefferson City. Traffic queued for 3 miles during the event.
- **Event Duration:** 6 hours 53 minutes

	Westbound I-270 at New Florissant	Lane 1	Lane 2	Lane 3	Right Shoulder
Closed Hours/Minutes		6:03	6:03	6:07	6:53

