

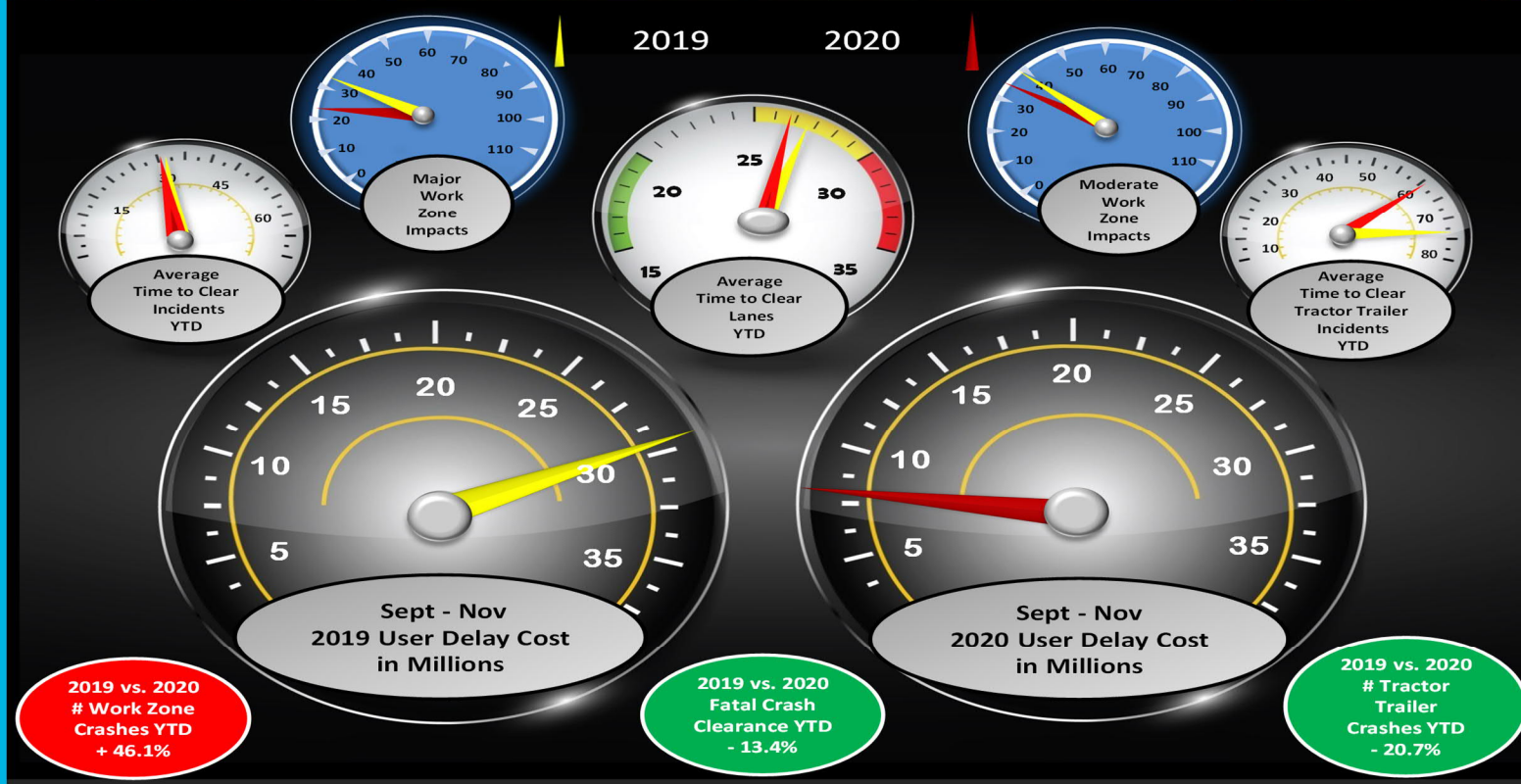


# ST. LOUIS DISTRICT MOBILITY

QUARTERLY REGIONAL MOBILITY REPORT ■ SEPTEMBER / OCTOBER / NOVEMBER 2020 | EDITION NO. 13

## Table of Contents

- EXECUTIVE SUMMARY** 1-3  
Provide Outstanding Customer Service & Deliver Transportation Services of Great Value
- FREEWAY MANAGEMENT** 4-16  
Operate a Reliable and Convenient Transportation System  
Use Resources Wisely & Advance Economic Development
- WORK ZONE MANAGEMENT** 17-18  
Keep Roads and Bridges in Good Condition
- INCIDENT MANAGEMENT** 19-43  
Keep Customers and Ourselves Safe



User Delay Cost: Passenger Vehicle \$17.67 Commercial Vehicle \$68.09  
Sources Texas Transportation Institute & American Transportation Research Institute

### September 2019 thru November 2019 Grand Total and Average

Delay cost:  
Total \$25,070,534  
Hours of delay  
Person-hours: 1,150,767h 49m  
Vehicle hours: 939,402h 18m

### September 2020 thru November 2020 Grand Total and Average

Delay cost:  
Total \$7,099,755  
Hours of delay  
Person-hours: 325,887h 22m  
Vehicle hours: 266,030h 29m





# EXECUTIVE SUMMARY

ST. LOUIS DISTRICT ■ QUARTERLY REGIONAL MOBILITY REPORT ■ SEPTEMBER / OCTOBER / NOVEMBER 2020



## ZONING IN

Fatal Crash Clearance times YTD improved by 13.4% in 2020 compared to 2019

The number of tractor trailer crashes decreased 20.7% compared to the Fall of 2019

Work zone crashes increased by 46.2% compared to Fall of 2019

Overall AM and PM Regional Mobility for the 2020 Fall quarter improved compared to 2019

Northbound I-270 at Manchester Road was the top congested spot this quarter with Eastbound I-44 at I-270 ranked second.

### TMS Work Zones:

September 2020: 307

October 2020: 300

November 2020: 322

### Work Zone Impact Breakdown:

	Major:	23 – (-26%)
	Moderate:	34 – (-11%)
	Minor:	582 – (-17%)

**WORK ZONE CRASHES: 62**

### Planned Event

**Date:** Entire Quarter

**Location:** Eastbound I-70 Blanchette Bridge

**Event Detail:** Continued work on the bridge rehab construction. All mitigation efforts were in use.

### Unplanned Event

**Date:** 7-10-2020

**Location:** Pevely, Jefferson County, I-55 north of Missouri Route Z.

**Event Detail:** Multi-vehicle accident that involved a vehicle that crossed over all Northbound and Southbound lanes and two fatalities. All lanes of the Northbound and Southbound I-55 were closed. Traffic queued approximately 7 miles.



# EXECUTIVE SUMMARY

ST. LOUIS DISTRICT ■ QUARTERLY REGIONAL MOBILITY REPORT ■ SEPTEMBER / OCTOBER / NOVEMBER 2020

## Top 5 Congestion Locations / Sept - Nov 2019 vs. Sept – Nov 2020

\*Locations ranked on Weighted Total Impact (Raw speed drop weighted by Vehicle Miles Traveled VMT Factor)

	Congestion Locations 2019	*Weighted Total Impact	Average Queue Length Miles	Average Daily Duration	Total Duration
1	I-270 N @ MO-100/MANCHESTER RD/EXIT 9	58,808,289	6.4	40 m	2 d 12 h 48 m
2	I-44 E @ HIGHWAY DR/EXIT 275	56,013,194	1.95	3 h 1 m	11 d 11 h 18 m
3	I-270 N @ DOUGHERTY FERRY RD/EXIT 8	48,466,870	5.35	41 m	2 d 14 h 45 m
4	I-270 S @ DOUGHERTY FERRY RD/EXIT 8	47,865,705	6.02	30 m	1 d 22 h 25 m
5	I-64 W @ CLAYTON RD/OAKLAND AVE/EXIT 34	43,828,958	2.32	1 h 39 m	6 d 6 h 33 m

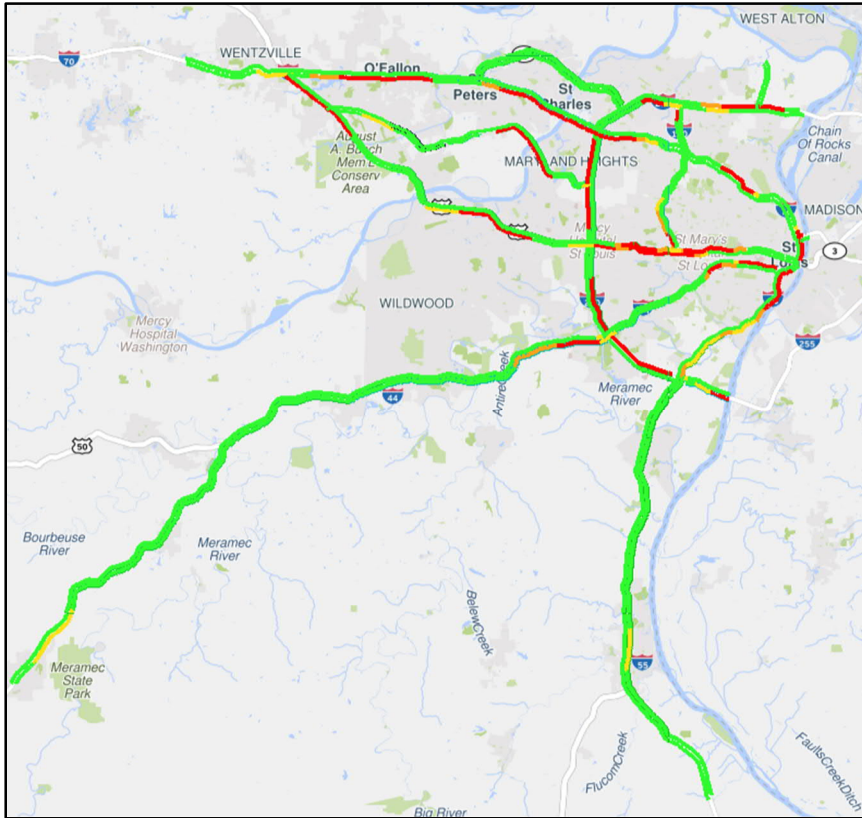
	Congestion Locations 2020	*Weighted Total Impact	Average Queue Length Miles	Average Daily Duration	Total Duration
1	I-270 W @ ELIZABETH/WASHINGTON ST/EXIT 28	59,262,270	1.73	2 h 49 m	10 d 17 h 13 m
2	I-70 W @ EARTH CITY EXPY/EXIT 231	30,288,034	1.25	1 h 47 m	6 d 19 h 30 m
3	I-44 E @ MO-100/EXIT 251	21,183,957	4.78	22 m	1 d 9 h 28 m
4	I-270 E @ ELIZABETH/WASHINGTON ST/EXIT 28	19,543,729	1.52	1 h 4 m	4 d 1 h 9 m
5	I-44 W @ SERVICE RD/OLD HWY 66/EXIT 242	19,111,031	5.41	23 m	1 d 11 h 20 m

## Average Incident Duration Comparison / 2019 vs. 2020

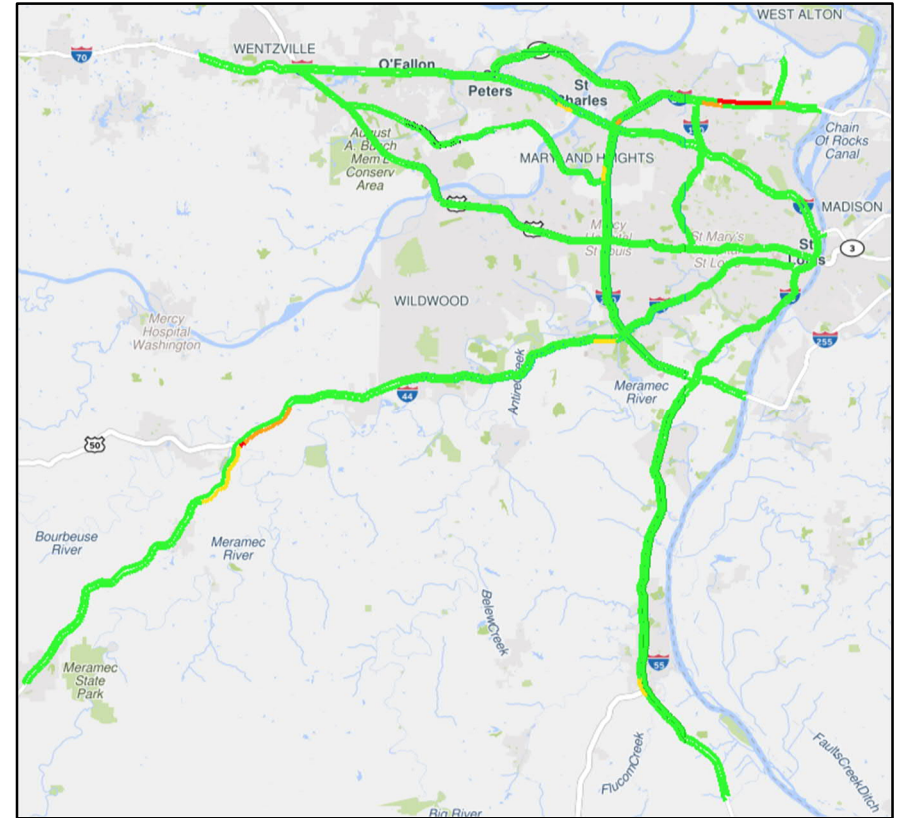
Month	Average Incident Duration (Minutes: Seconds)	2019	2020
September	Lane Clearance	26:19	32:28
September	Incident Clearance	27:49	33:03
October	Lane Clearance	28:06	33:32
October	Incident Clearance	29:21	34:10
November	Lane Clearance	34:19	32:14
November	Incident Clearance	35:18	31:22

**INCREASE in Overall AM Mobility**

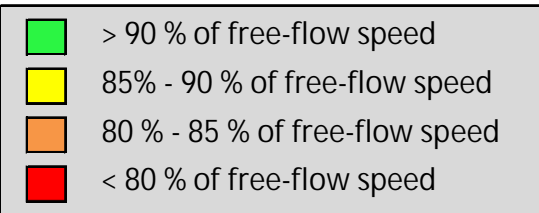
**AM Peak Mobility Sept / Oct / Nov 2019 vs Sept / Oct / Nov 2020 \***



2019



2020



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

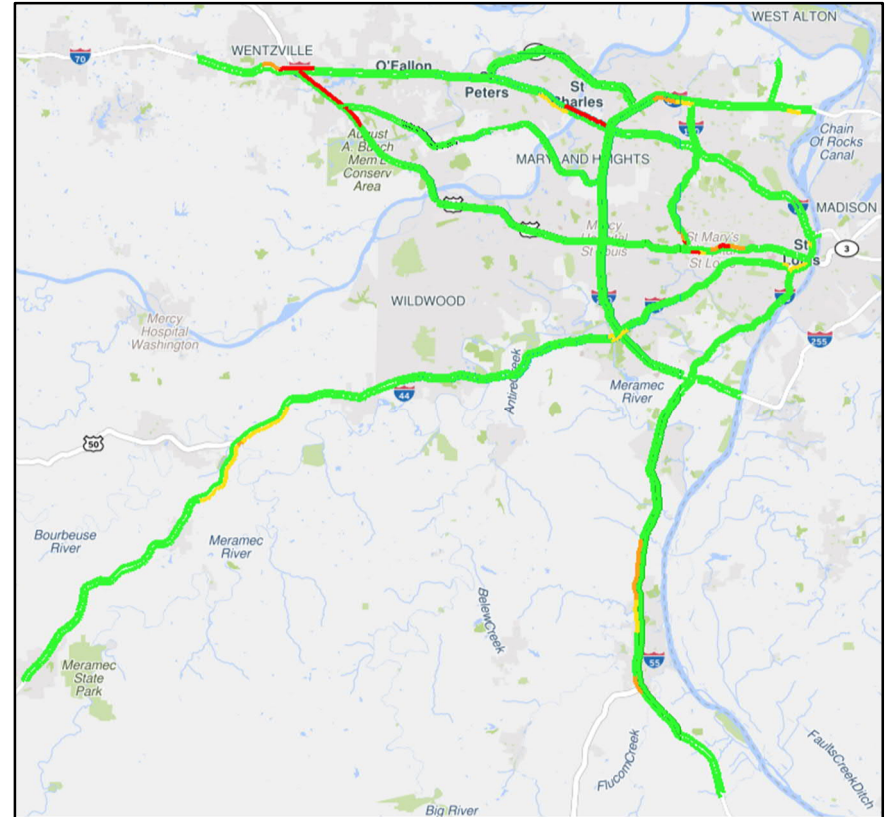
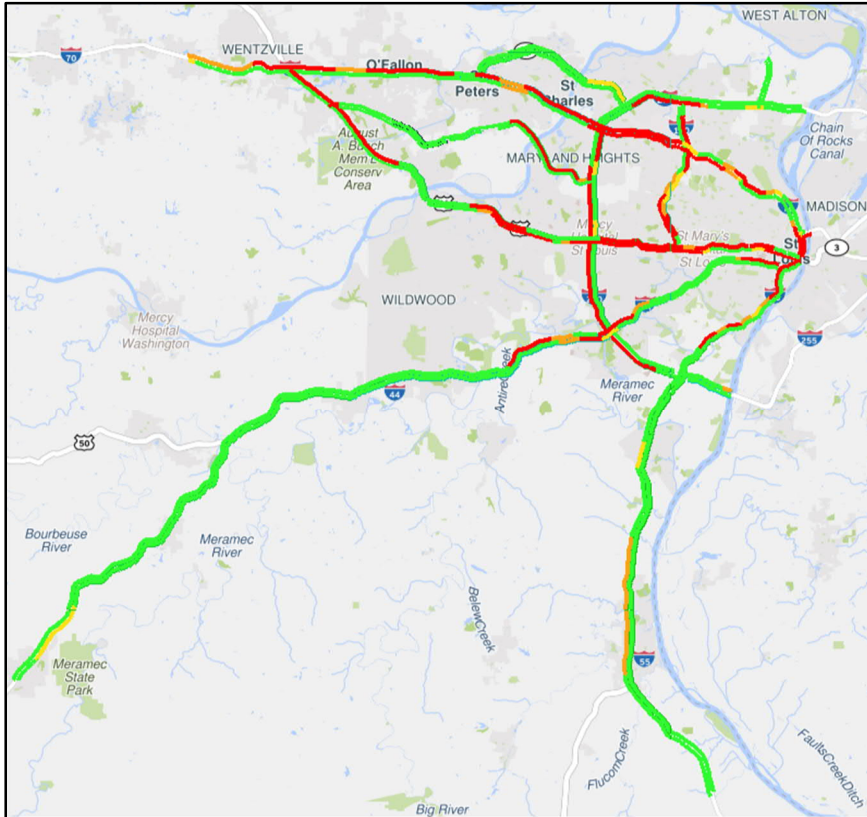
	<u>2019</u>	→	<u>2020</u>
6 AM	100%	→	100%
7 AM	91.2%	→	100%
8 AM	93.5%	→	100%
9 AM	100%	→	100%

\* 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.

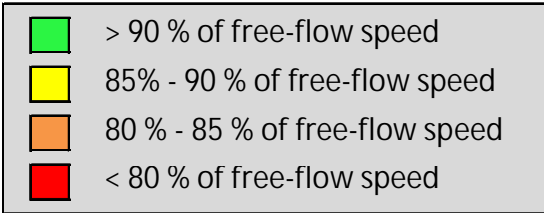
**INCREASE in Overall PM Mobility**

PM Peak Mobility Sept / Oct / Nov 2019 vs Sept / Oct / Nov 2020 \*



2019

2020



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

	2019	→	2020
3 PM	95.9%	→	100%
4 PM	86.8%	→	99.6%
5 PM	84.5%	→	99.9%
6 PM	97.5%	→	100%
7 PM	99.7%	→	100%

\* 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.

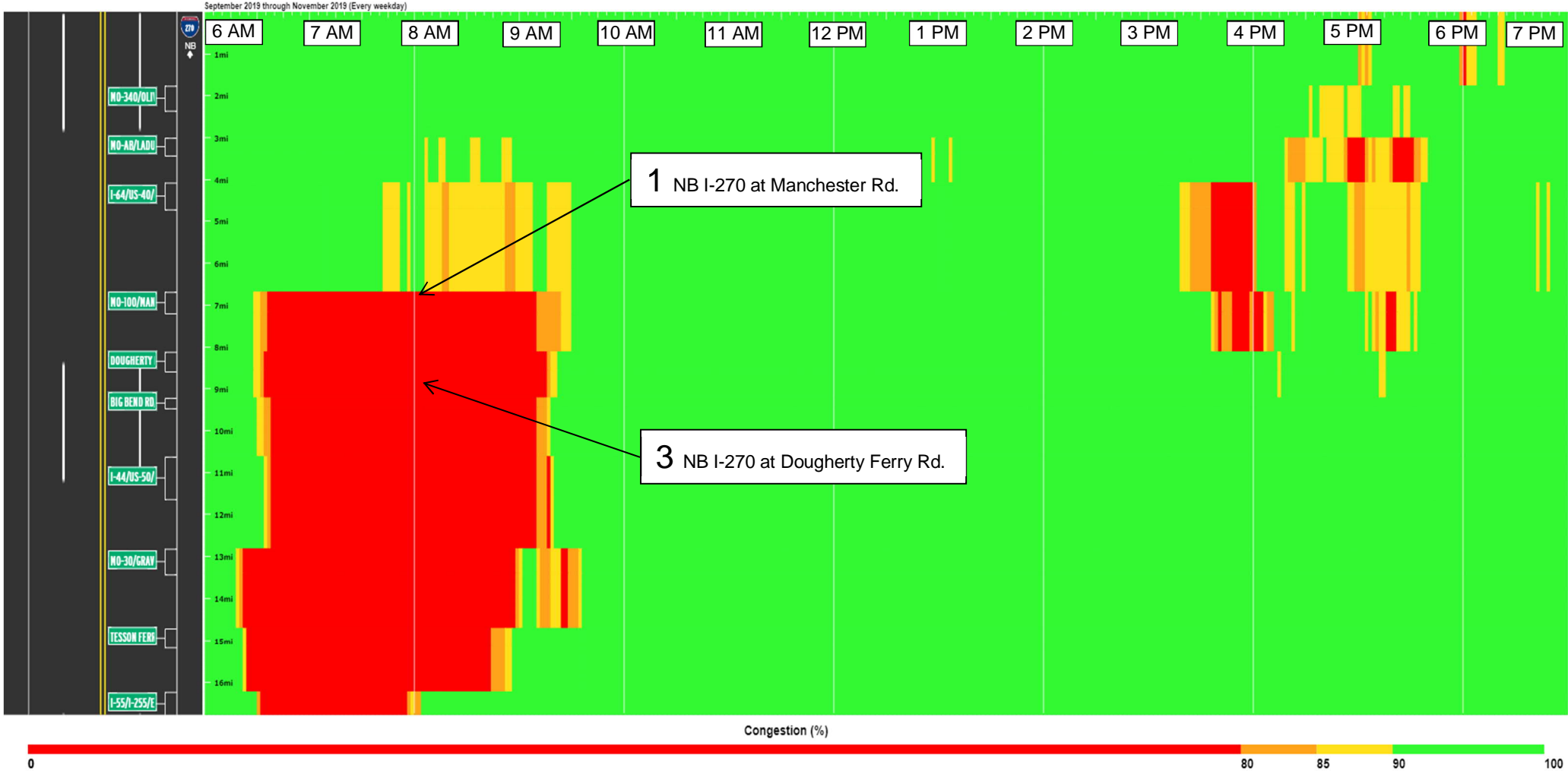
## Top 5 Congestion Locations Comparison

Comparing Top 5 Congestion Locations of Sept / Oct / Nov 2019 to Sept / Oct / Nov 2020

- 1 NB I-270 at Manchester Rd.  
Mobility INCREASED from 2019 → 2020
- 2 EB I-44 at Highway Dr. Exit 275  
Mobility INCREASED from 2019 → 2020
- 3 NB I-270 at Dougherty Ferry Rd.  
Mobility INCREASED from 2019 → 2020
- 4 SB I-270 at Dougherty Ferry Rd.  
Mobility INCREASED from 2019 → 2020
- 5 WB I-64 at Clayton Road / Oakland  
Mobility INCREASED from 2019 → 2020

2019 NB I-270

Congestion for I-270 Northbound between I-55/I-255/Exit 1 and MO-D/Page Ave/Exit 16 using HERE data  
 Averaged by 2 minutes for September 2019 through November 2019 (Every weekday)





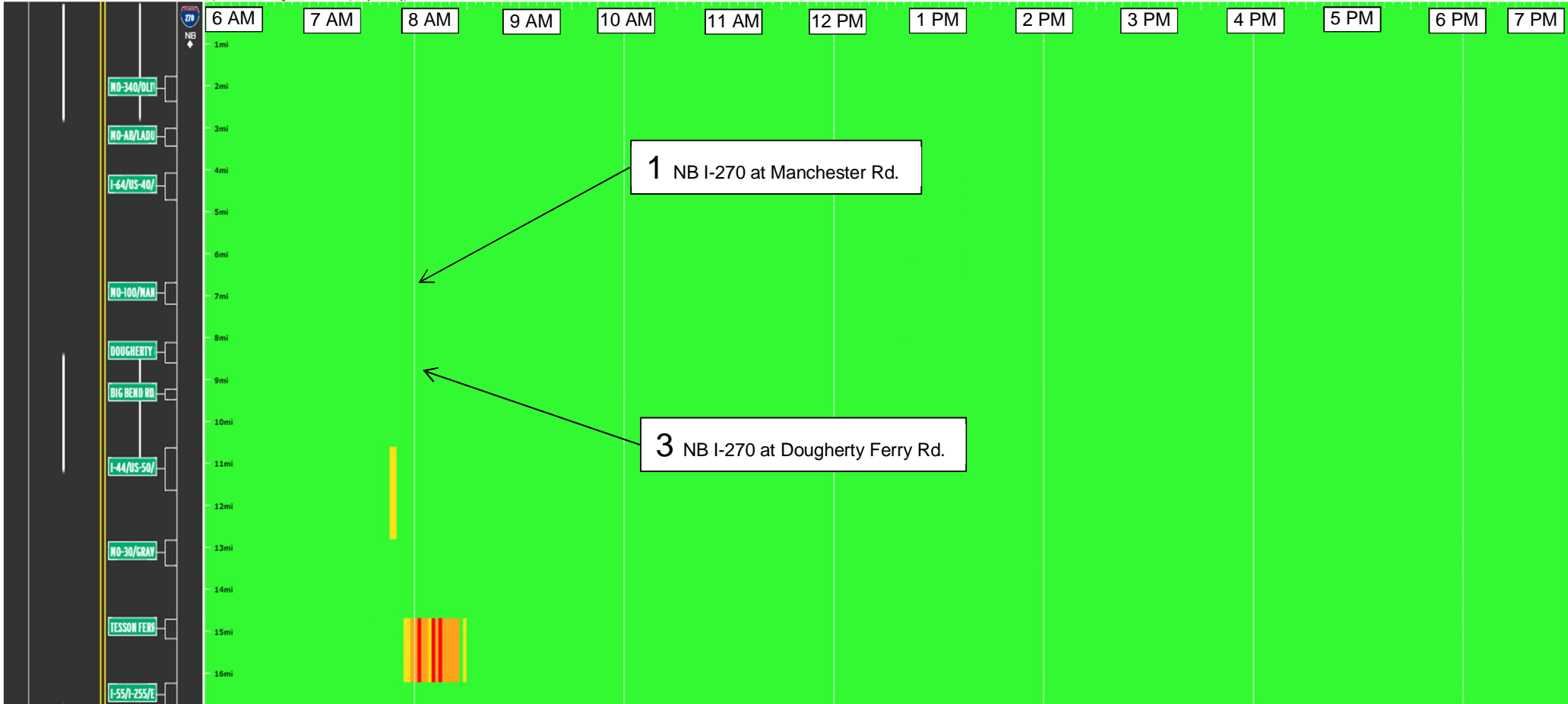
# FREEWAY MANAGEMENT

ST. LOUIS DISTRICT ■ QUARTERLY REGIONAL MOBILITY REPORT ■ SEPTEMBER / OCTOBER / NOVEMBER 2020

2020 NB I-270

Congestion for I-270 Northbound between I-55/I-255/Exit 1 and MO-D/Page Ave/Exit 16 using HERE data  
Averaged by 2 minutes for September 2020 through November 2020 (Every weekday)

September 2020 through November 2020 (Every weekday)



Congestion (%)

0

80

85

90

100





# FREEWAY MANAGEMENT

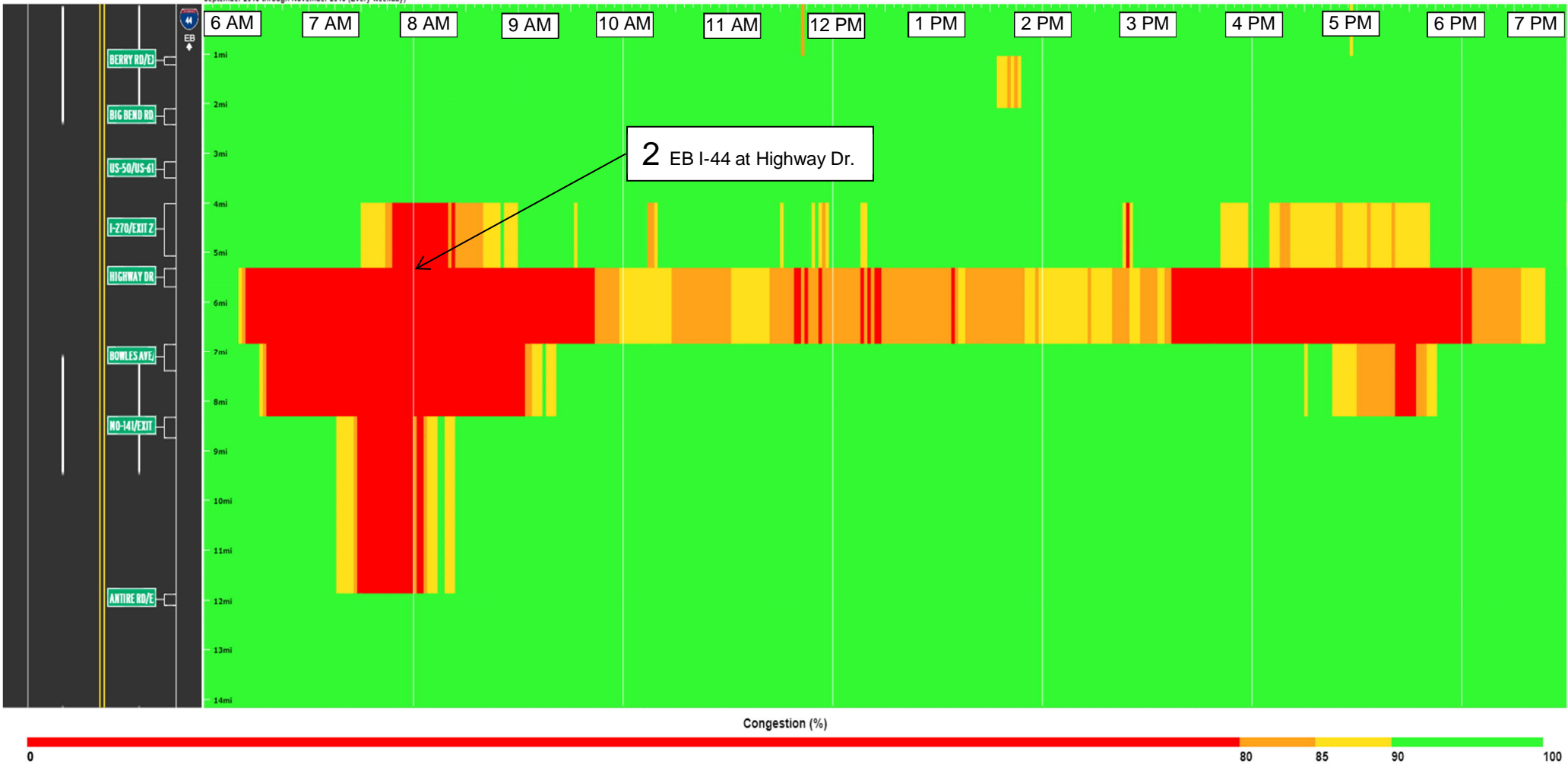
ST. LOUIS DISTRICT ■ QUARTERLY REGIONAL MOBILITY REPORT ■ SEPTEMBER / OCTOBER / NOVEMBER 2020

2019 EB I-44

## Congestion for I-44 Eastbound between Antire Rd/Exit 269 and Elm Ave/Exit 280 using HERE data

Averaged by 2 minutes for September 2019 through November 2019 (Every weekday)

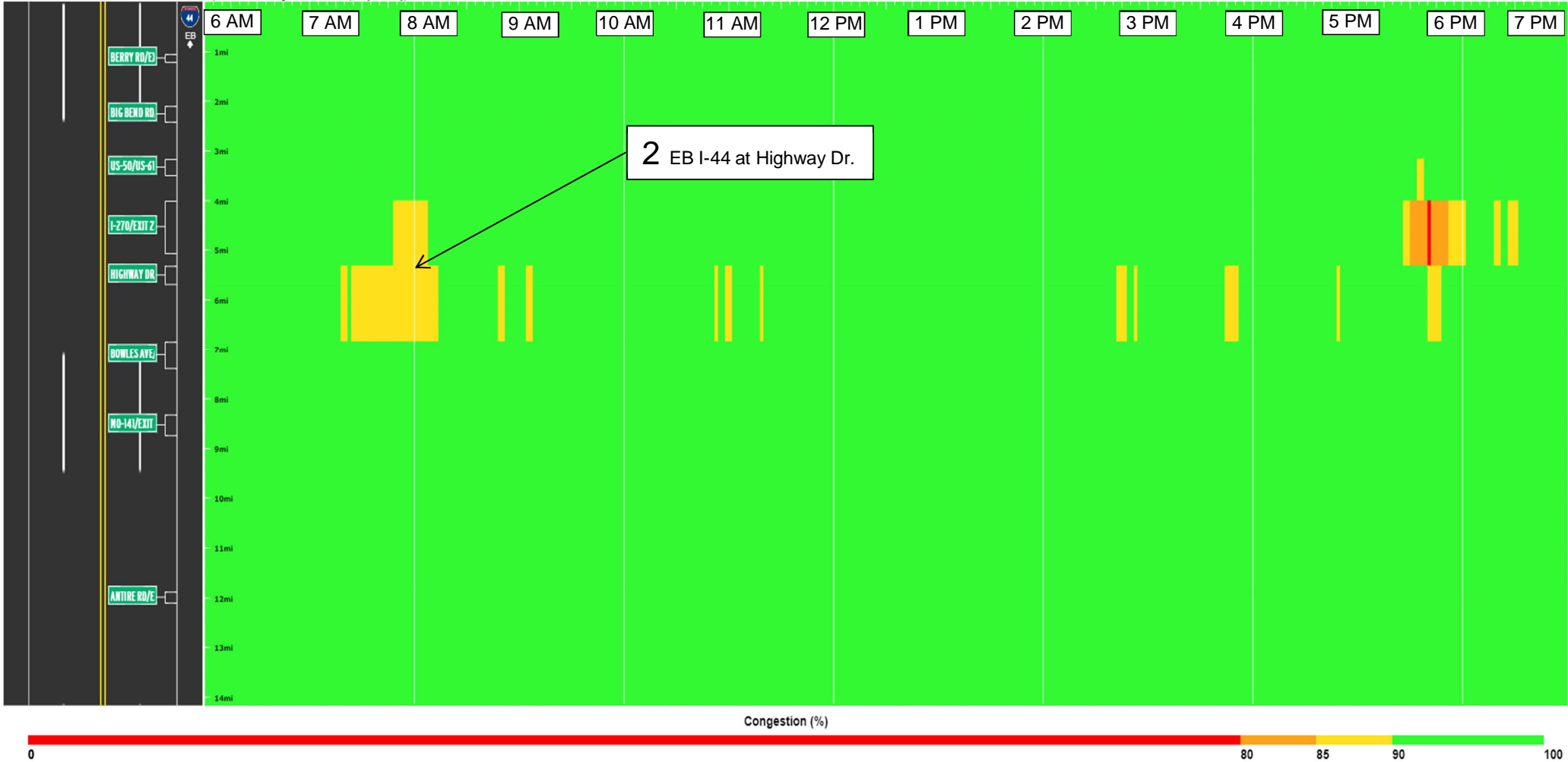
September 2019 through November 2019 (Every weekday)



2020 EB I-44

**Congestion for I-44 Eastbound between Antire Rd/Exit 269 and Elm Ave/Exit 280 using HERE data**  
 Averaged by 2 minutes for September 2020 through November 2020 (Every weekday)

September 2020 through November 2020 (Every weekday)





# FREEWAY MANAGEMENT

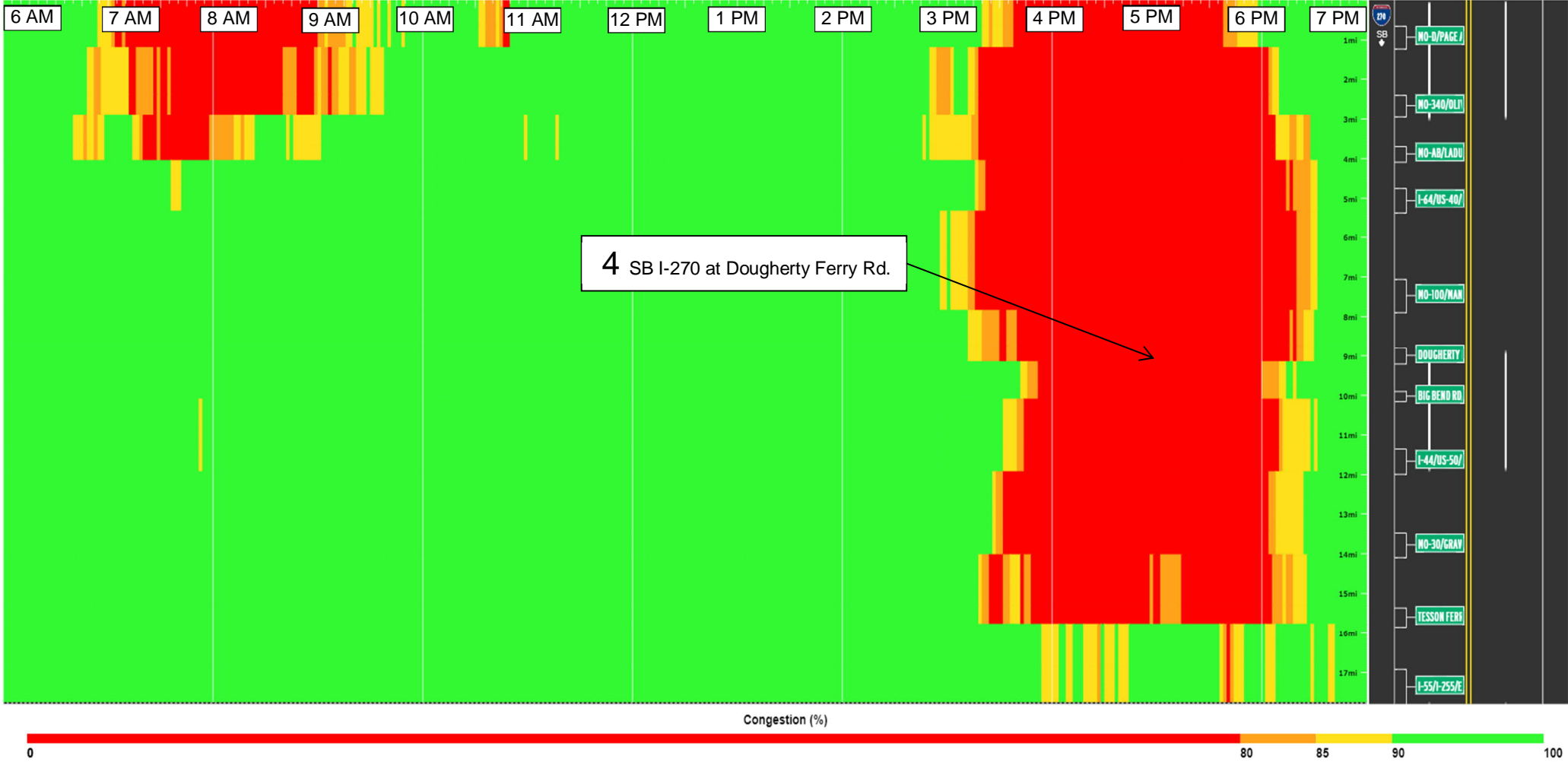
ST. LOUIS DISTRICT ■ QUARTERLY REGIONAL MOBILITY REPORT ■ SEPTEMBER / OCTOBER / NOVEMBER 2020

2019 SB I-270

## Congestion for I-270 Southbound between MO-D/Page Ave/Exit 16 and I-55/I-255/Exit 1 using HERE data

Averaged by 2 minutes for September 2019 through November 2019 (Every weekday)

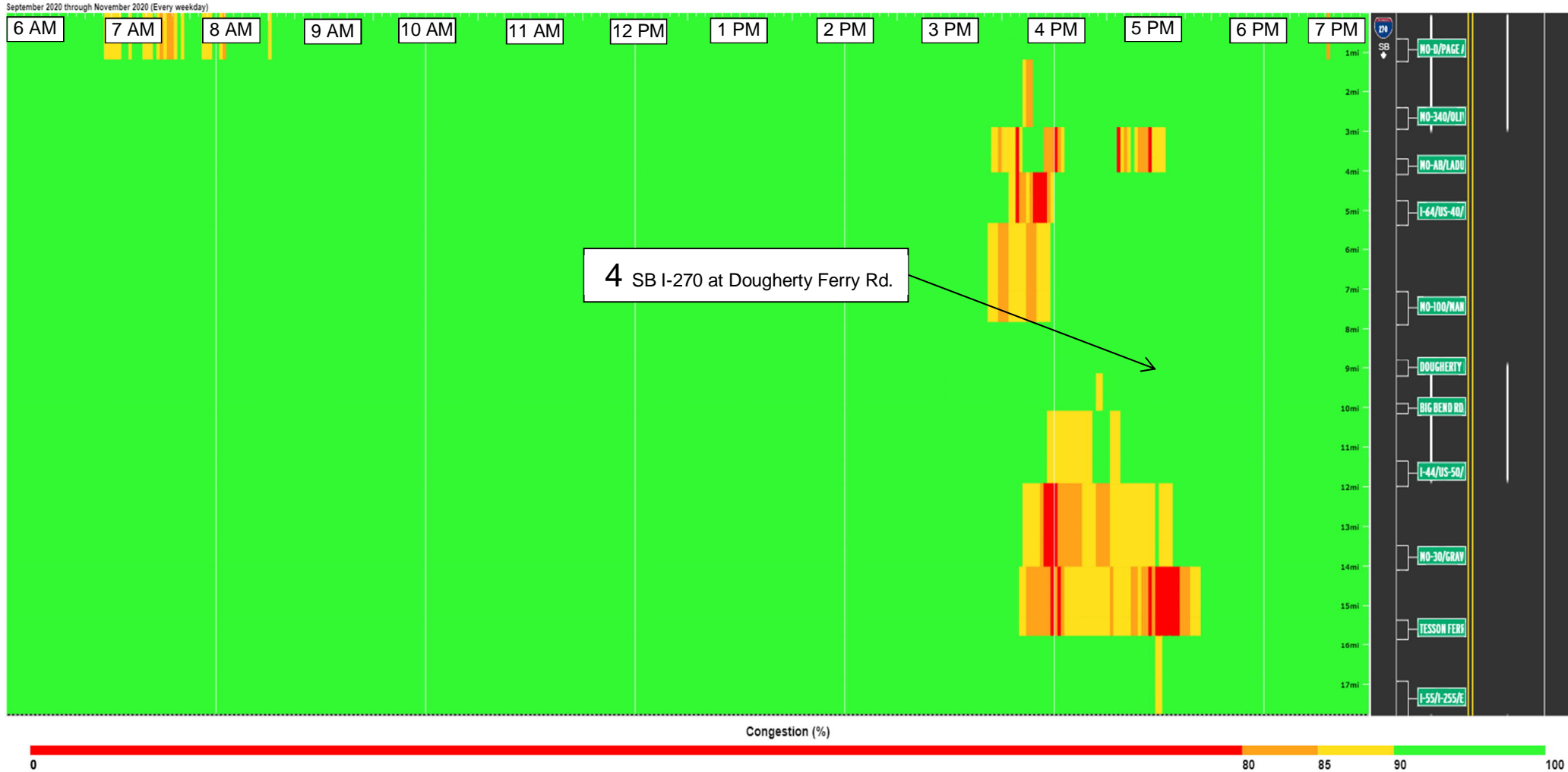
September 2019 through November 2019 (Every weekday)



2020 SB I-270

## Congestion for I-270 Southbound between MO-D/Page Ave/Exit 16 and I-55/I-255/Exit 1 using HERE data

Averaged by 2 minutes for September 2020 through November 2020 (Every weekday)

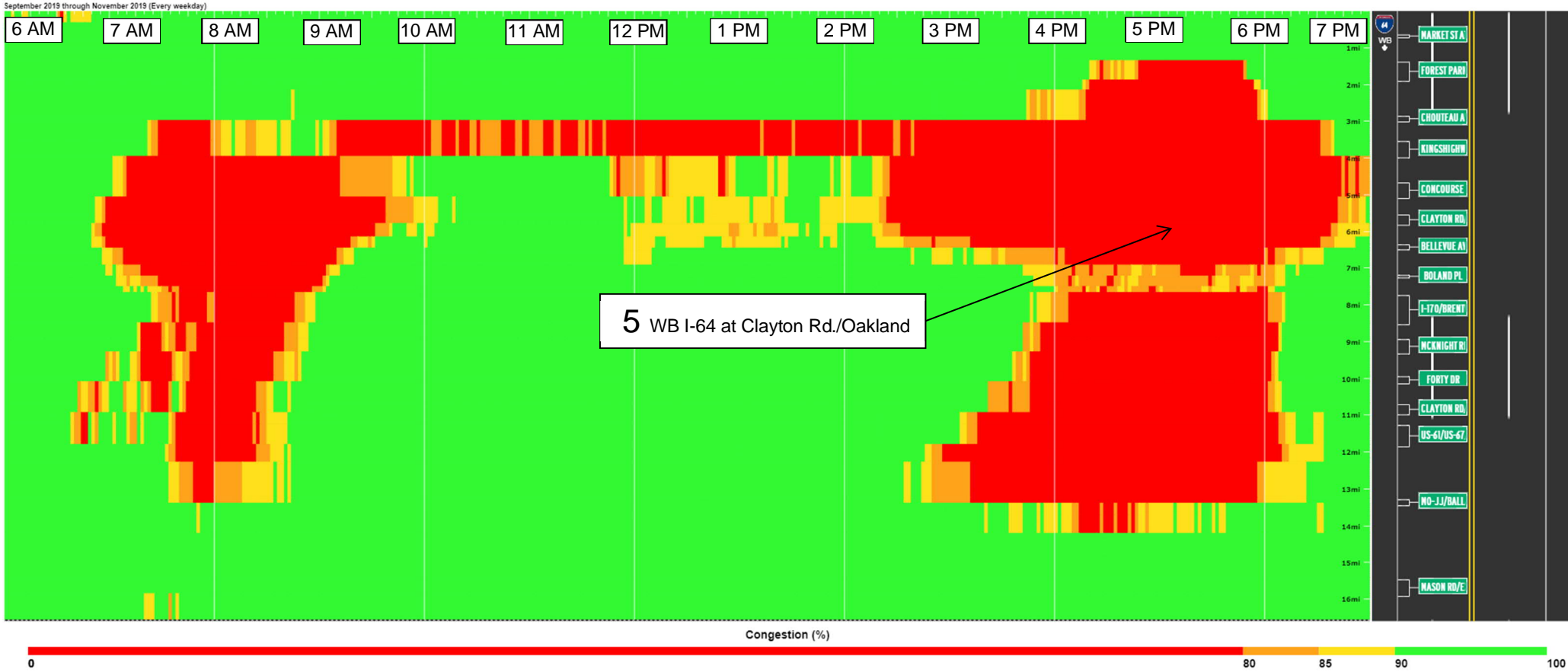




2019 WB I-64

## Congestion for I-64 Westbound between Maryville Centre Rd and 11Th St/Exit 39 using HERE data

Averaged by 2 minutes for September 2019 through November 2019 (Every weekday)





# FREEWAY MANAGEMENT

ST. LOUIS DISTRICT ■ QUARTERLY REGIONAL MOBILITY REPORT ■ SEPTEMBER / OCTOBER / NOVEMBER 2020

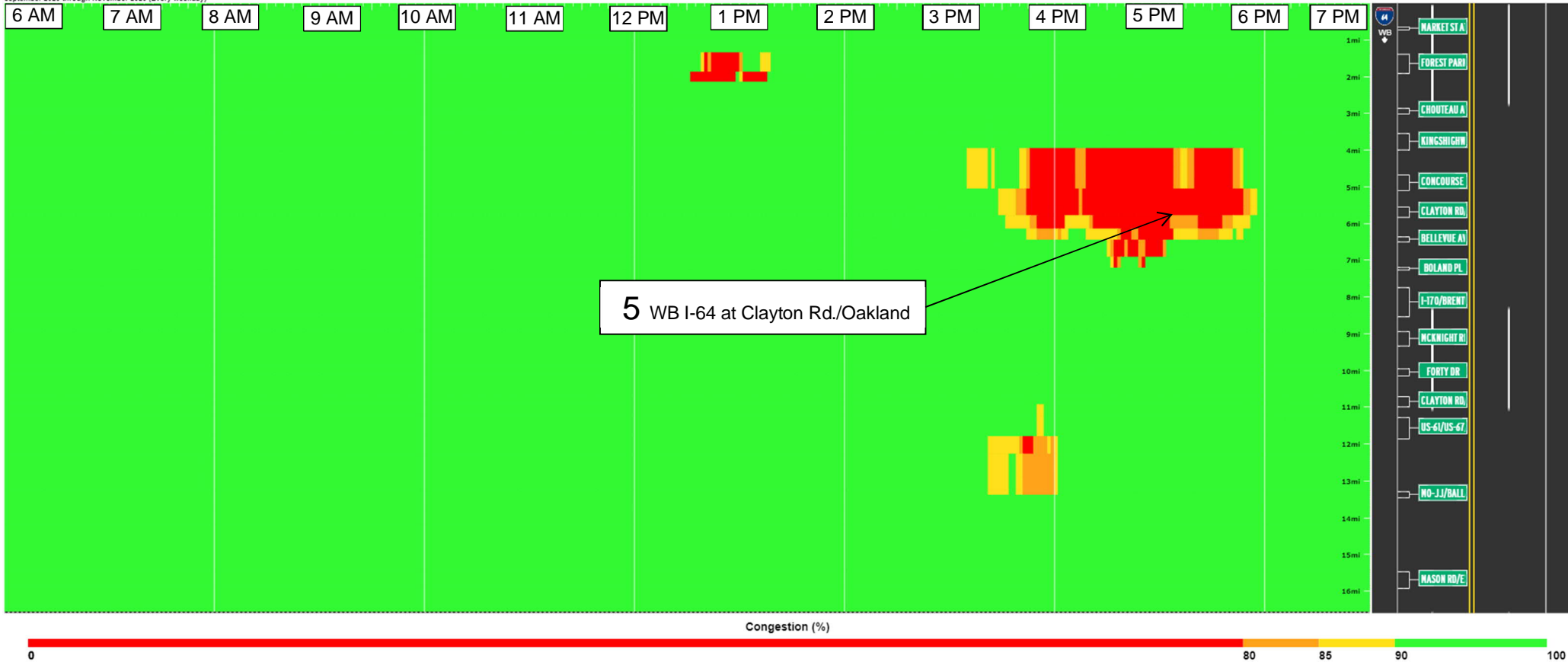


2020 WB I-64

## Congestion for I-64 Westbound between Maryville Centre Rd and 11Th St/Exit 39 using HERE data

Averaged by 2 minutes for September 2020 through November 2020 (Every weekday)

September 2020 through November 2020 (Every weekday)

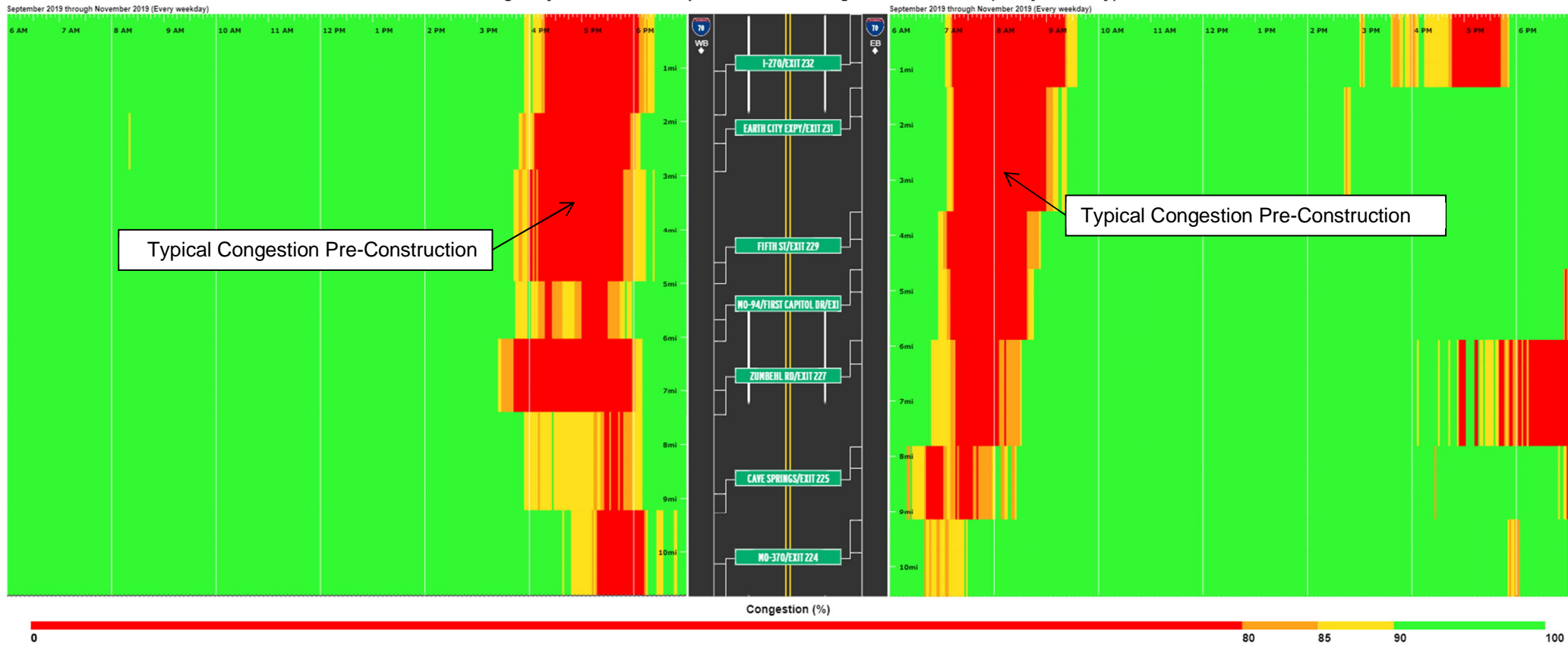




## Analysis of Interstate 70 During the Blanchette Missouri River Bridge Project

2019 I-70

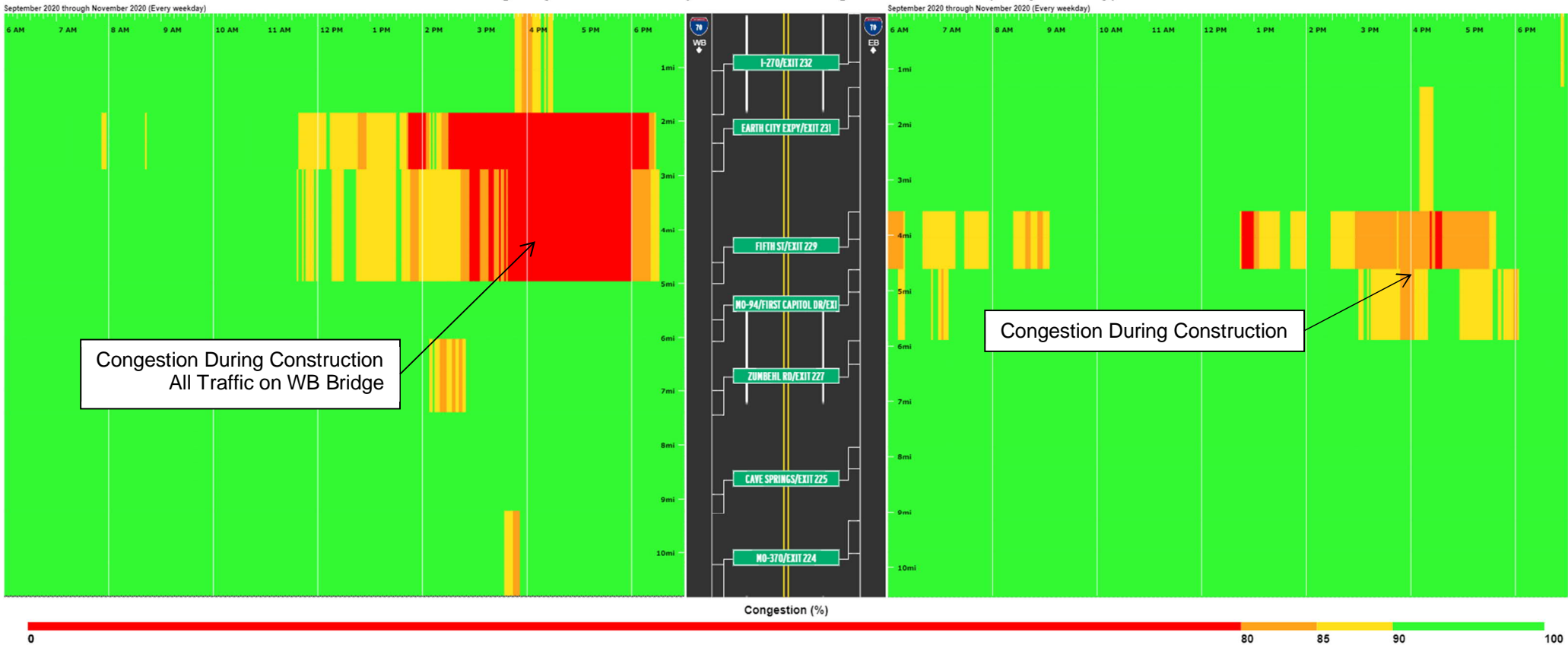
Congestion for I-70 between MO-370/Exit 224 and I-270/Exit 232 using HERE data  
Averaged by 2 minutes for September 2019 through November 2019 (Every weekday)





2020 I-70

## Congestion for I-70 between MO-370/Exit 224 and I-270/Exit 232 using HERE data Averaged by 2 minutes for September 2020 through November 2020 (Every weekday)







# WORKZONE MANAGEMENT

ST. LOUIS DISTRICT ■ QUARTERLY REGIONAL MOBILITY REPORT ■ SEPTEMBER / OCTOBER / NOVEMBER 2020

## TMC Observed Work Zones

	Sept 2020	Oct 2020	Nov 2020
Level of Travel Time Impact	Number of Work Zones	Number of Work Zones	Number of Work Zones
Major Impact	3	12	8
Moderate Impact	6	21	7
Minor Impact	202	202	178
Total	211	235	193



# WORKZONE MANAGEMENT

ST. LOUIS DISTRICT ■ QUARTERLY REGIONAL MOBILITY REPORT ■ SEPTEMBER / OCTOBER / NOVEMBER 2020



## Additional Travel Time Impacts through Work Zones

Major Impact (15 Minutes or Above): #

Moderate Impact (10-14 Minutes): #

(Daily) Eastbound I-270 Design Build

- Roadway Rehab Construction
- All mitigation efforts were in use
- RITIS data recorded additional travel times up to 52 minutes

10

12

(Daily) Westbound I-270 Design Build

- Roadway Rehab Construction
- All mitigation efforts were in use
- RITIS data recorded additional travel times up to 44 minutes

9

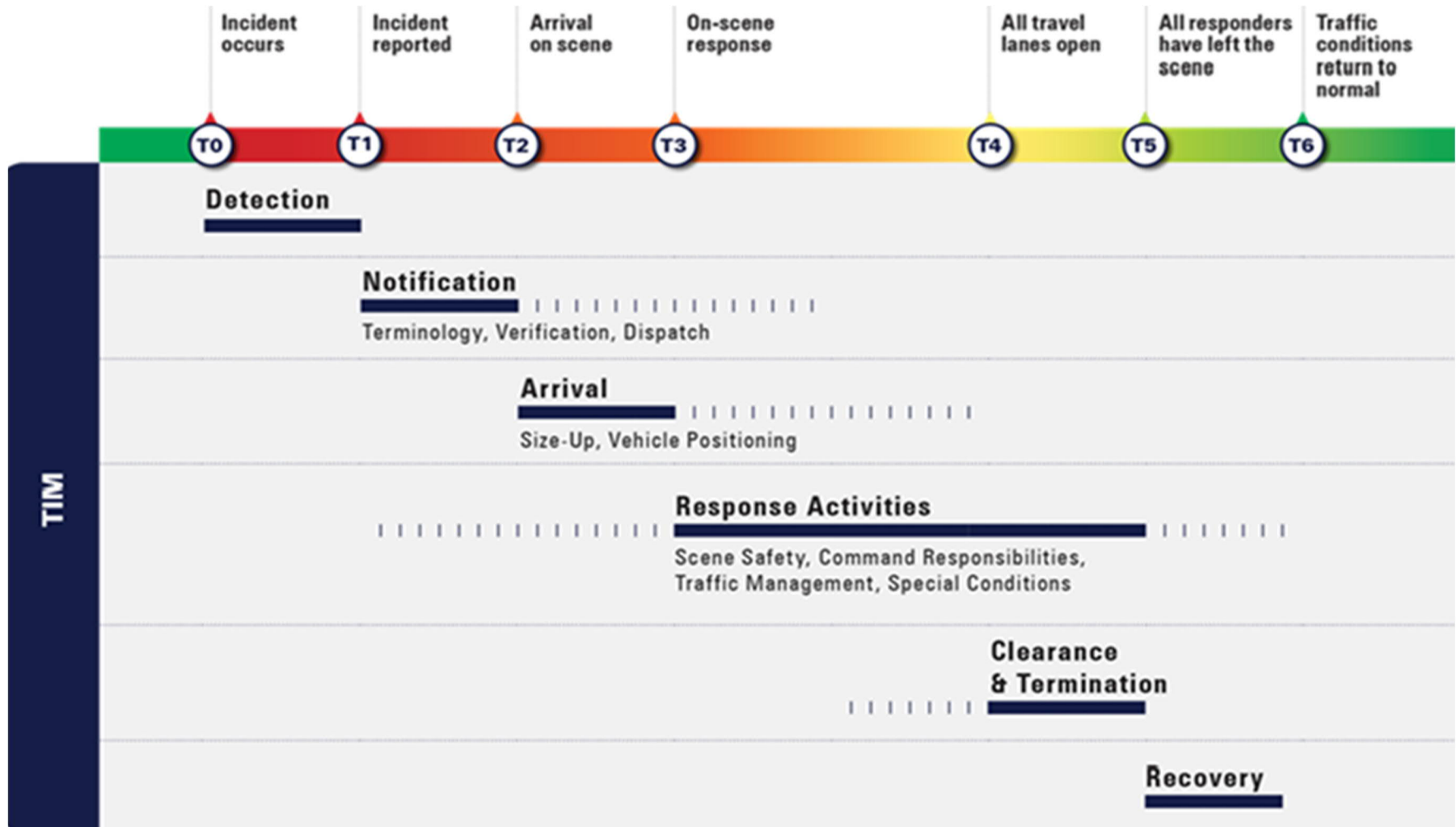
10

(Daily) Eastbound I-70 Blanchette Bridge

- Bridge Rehab Construction
- All mitigation efforts were in use
- RITIS data recorded additional travel times up to 52 minutes

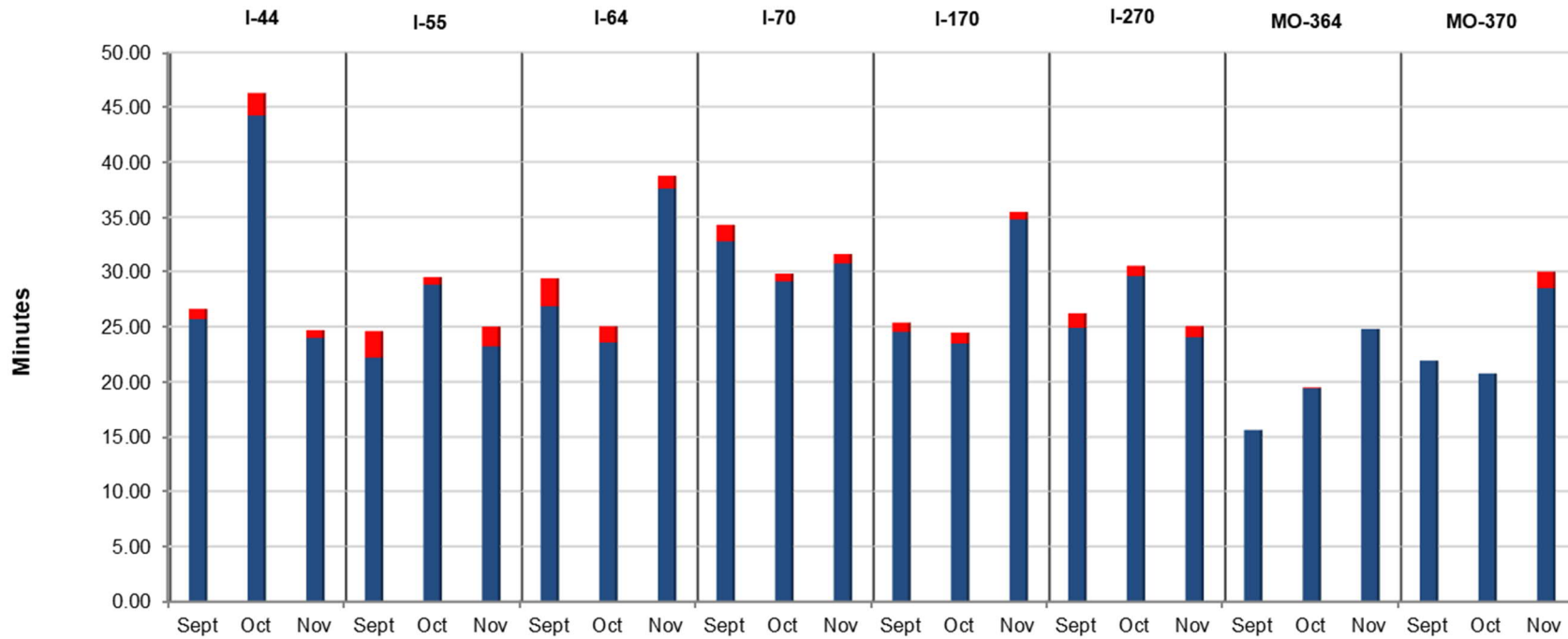
4

12





## September / October / November 2020 Incidents Summary

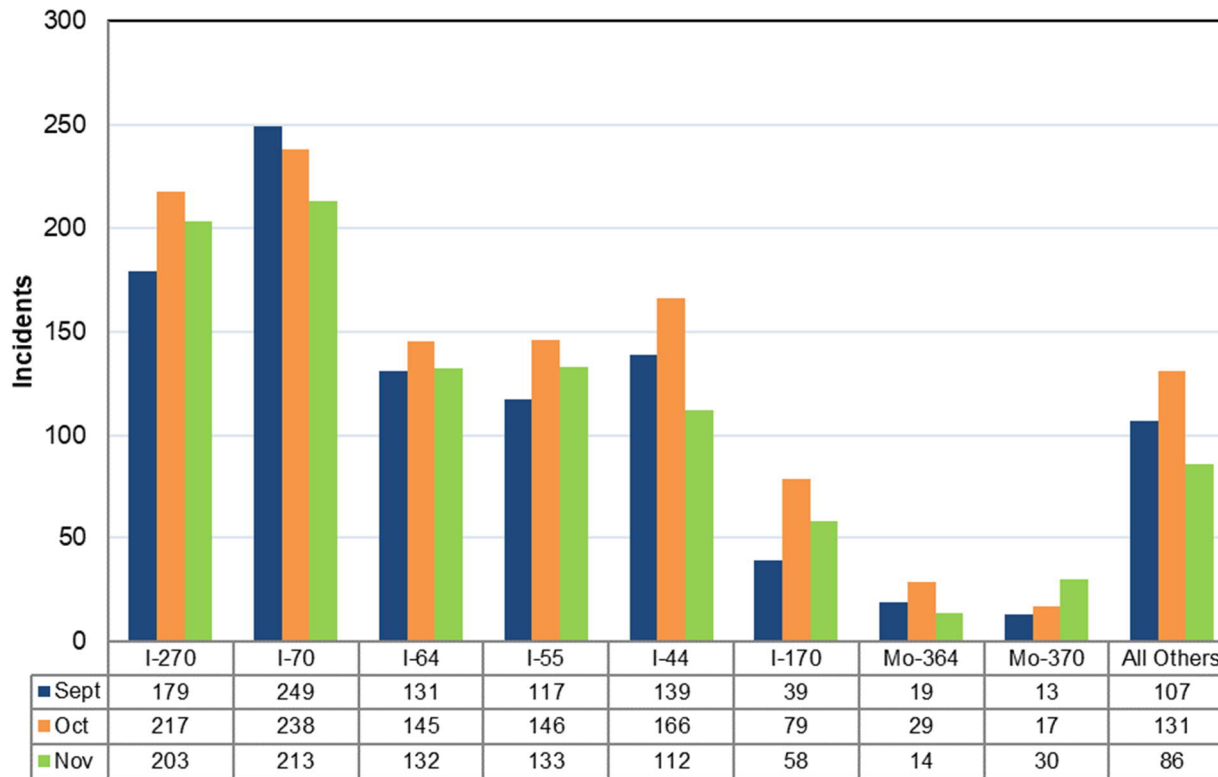


- Average Time for Backup to Clear = T6 - T4
- Average Time to Clear Incident from Lanes = T4 - T1



**Total Number of Lane Blocking Incidents: / September: 993 / October: 1168 / November: 981**

**Total Number of Lane Blocking Incidents**



Major Impact Incidents

Sept	Oct	Nov
(9)	(5)	(4)

Fatal Incidents

Sept	Oct	Nov
(9)	(11)	(3)

Tractor Trailer Incidents

Sept	Oct	Nov
(6)	(3)	(1)



# INCIDENT MANAGEMENT

ST. LOUIS DISTRICT ■ QUARTERLY REGIONAL MOBILITY REPORT ■ SEPTEMBER / OCTOBER / NOVEMBER 2020



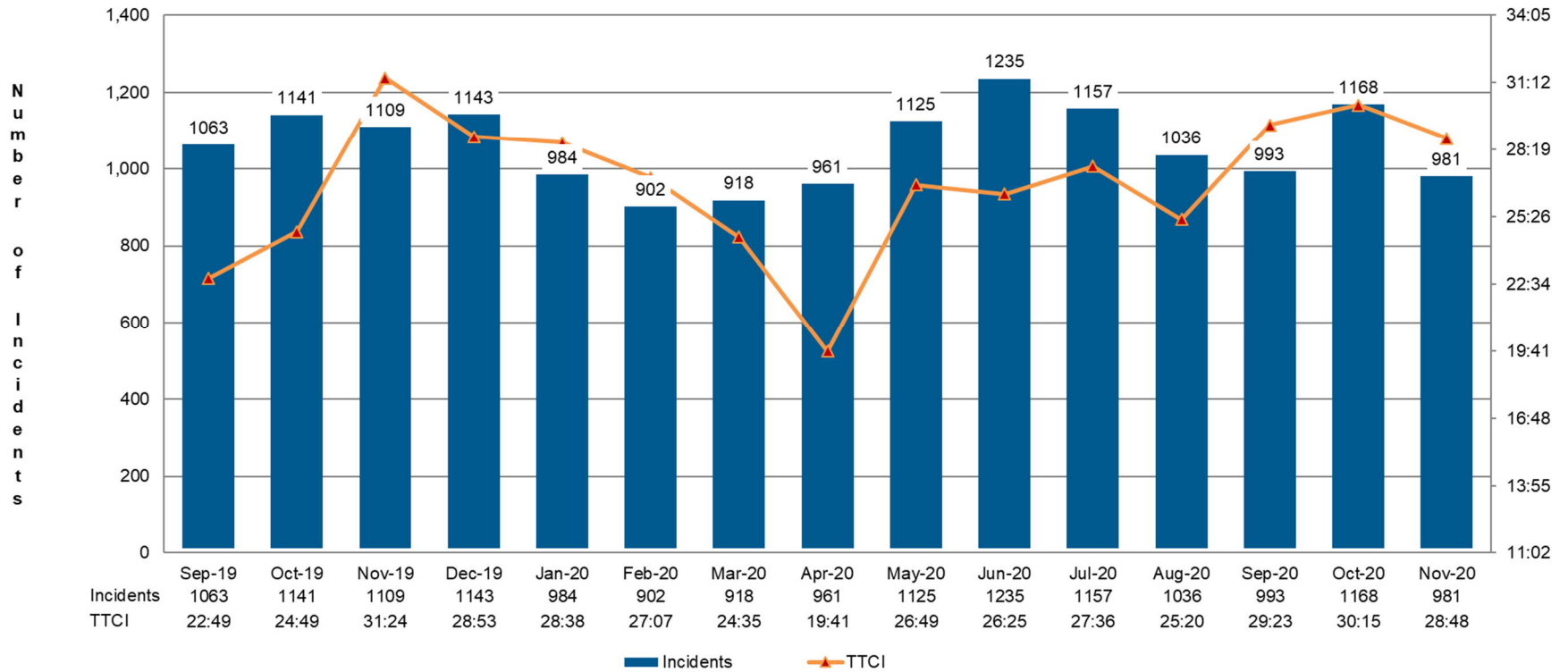
## Lane Blocking Incidents by Freeway September, October, November 2020

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	September	139	25:40	00:56	33	4.21
I-44	October	166	44:11	02:03	33	5.03
I-44	November	112	23:58	00:43	33	0.00
I-55	September	117	22:11	02:25	23	5.09
I-55	October	146	28:47	00:41	23	6.35
I-55	November	133	23:12	01:49	23	0.00
I-64	September	131	26:50	02:32	40	3.28
I-64	October	145	23:34	01:28	40	3.63
I-64	November	132	37:35	01:10	40	0.00
I-70	September	249	32:48	01:30	38	6.55
I-70	October	238	29:05	00:43	38	6.26
I-70	November	213	30:43	00:56	38	0.00
I-170	September	39	24:31	00:51	11	3.55
I-170	October	79	23:28	01:00	11	7.18
I-170	November	58	34:47	00:41	11	0.00
I-270	September	179	24:53	01:20	36	4.97
I-270	October	217	29:34	00:56	36	6.03
I-270	November	203	24:02	01:01	36	0.00
MO-364	September	19	15:38	00:00	11	1.73
MO-364	October	29	19:25	00:04	11	2.64
MO-364	November	14	24:47	00:00	11	0.00
MO-370	September	13	21:55	00:00	13	1.00
MO-370	October	17	20:46	00:00	13	1.31
MO-370	November	30	28:28	01:30	13	0.00
Total	Sept/Oct/Nov	2818	26:42	01:01	615	4.58



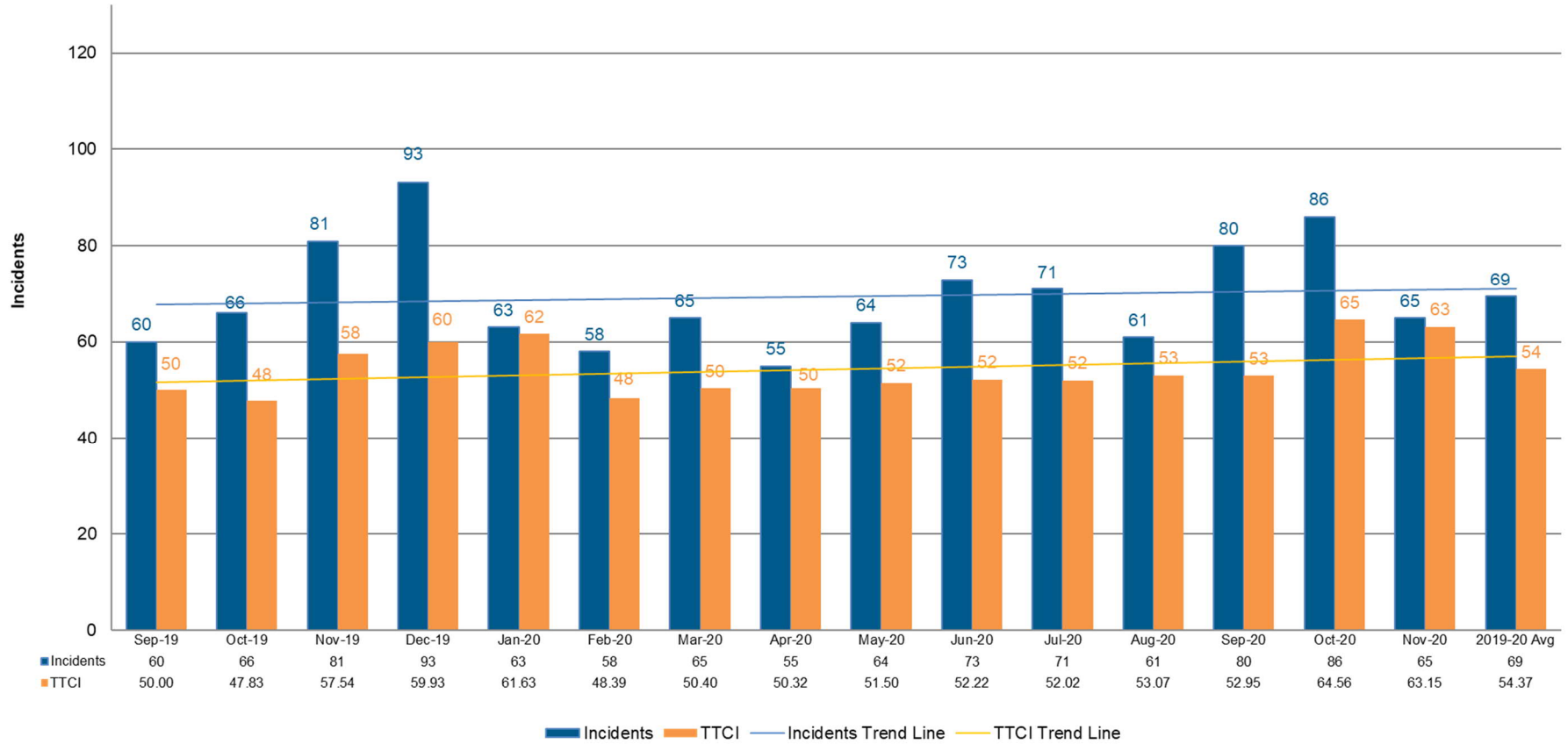
Number of Incidents and Time to Clear Lanes

Time to Clear Incidents





2019 - 2020 Number of Tractor Trailer Incidents / Time to Clear





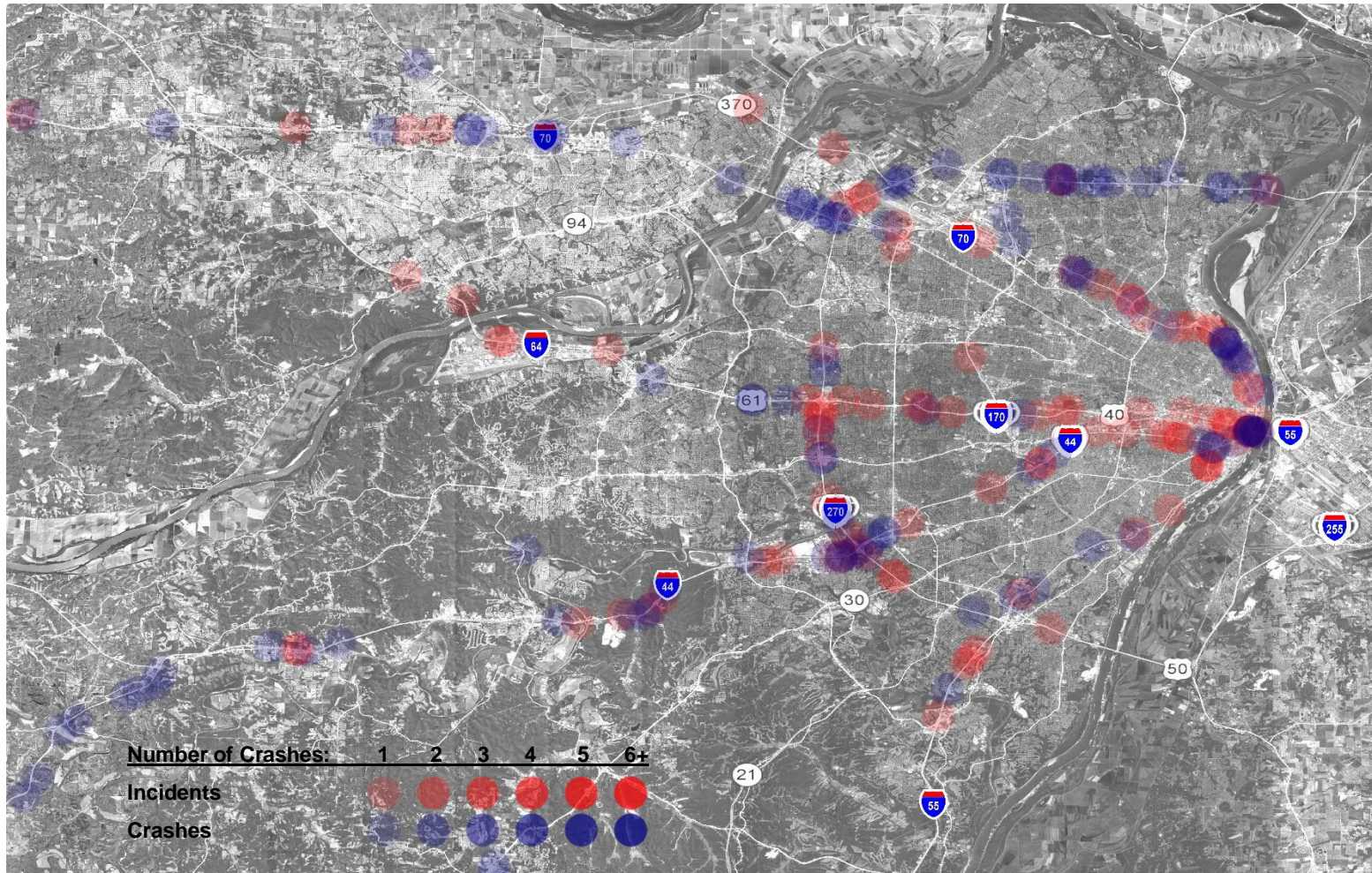


## 2020 Tractor Trailer Incidents by Route

2020	I-44	I-55	I-64	I-70	I-170	I-255/I-270	Route 364	Route 370	Other	Total
Jan	21	6	9	14	2	11	0	0	0	63
Feb	21	6	4	14	0	9	0	0	4	58
Mar	13	8	4	26	2	7	0	3	3	66
Apr	18	6	8	12	1	6	0	3	1	55
May	17	9	7	17	1	12	0	0	1	64
Jun	22	6	11	20	0	13	0	0	1	73
Jul	8	10	5	25	1	18	0	3	1	71
Aug	17	7	3	20	1	9	0	1	4	62
Sep	22	10	12	20	1	11	0	0	4	80
Oct	26	11	13	12	1	19	0	2	2	86
Nov	12	6	9	17	1	15	0	0	3	63
Dec										0
<b>Yearly Total</b>	<b>197</b>	<b>85</b>	<b>85</b>	<b>197</b>	<b>11</b>	<b>130</b>	<b>0</b>	<b>12</b>	<b>24</b>	<b>741</b>

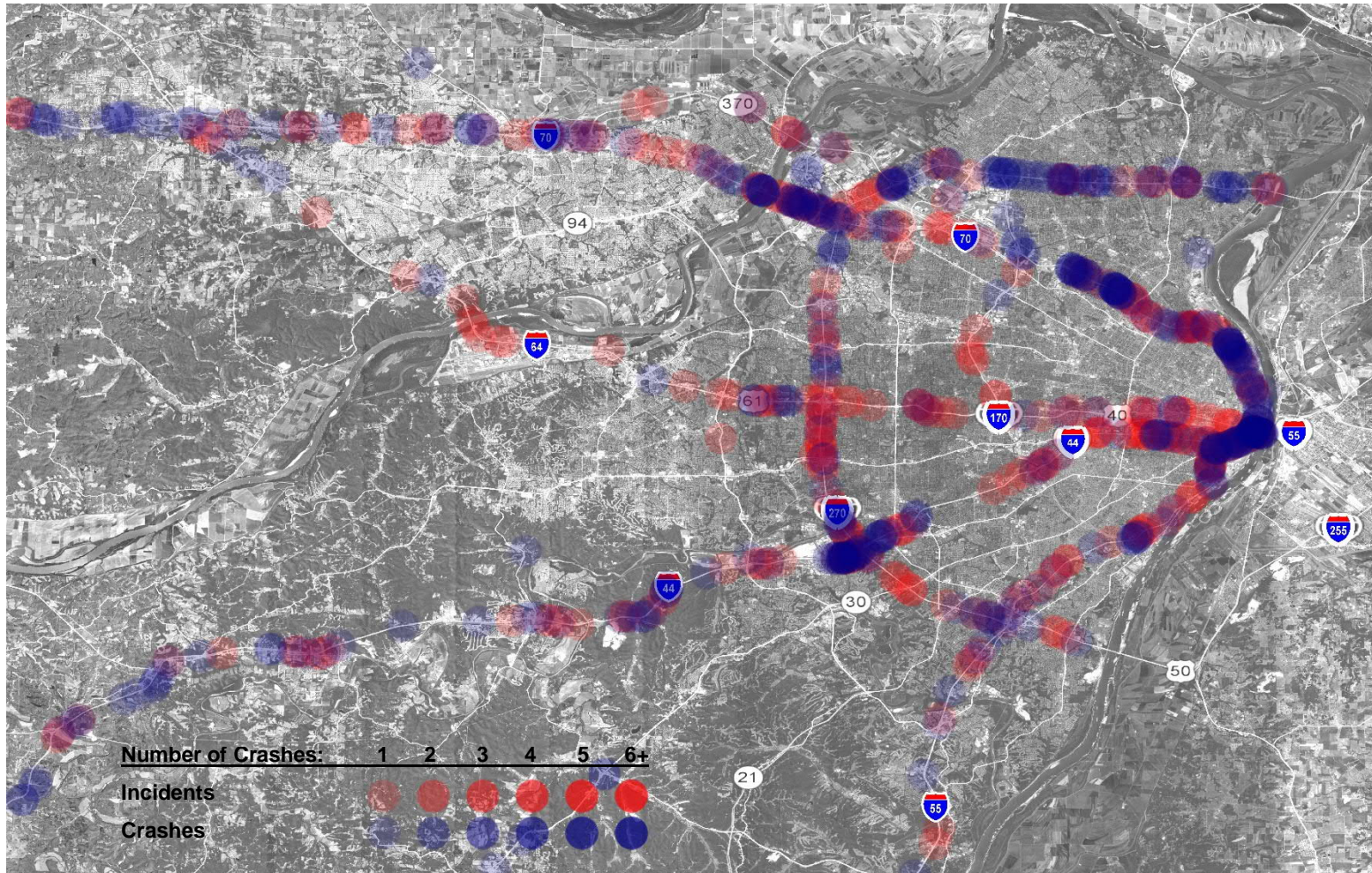


*Sept / Oct / Nov 2020 Tractor Trailer Incidents Map*





*January 2020 – November 2020 Tractor Trailer Incidents Map*





# INCIDENT MANAGEMENT

ST. LOUIS DISTRICT ■ QUARTERLY REGIONAL MOBILITY REPORT ■ SEPTEMBER / OCTOBER / NOVEMBER 2020



## Incidents over Two Hours September/October/November 2020

Incidents in red denote high mobility impact

#	Date & Time	Day of Week	Route	Location	Description	Duration HH:MM
1	9/1/2020 2:28	Tuesday	I-55 NB	AT ROUTE Z	Single crash accident	2:06
2	9/1/2020 19:53	Tuesday	I-44 WB	TO BROADWAY	Single vehicle crash causing fence and guard rail damage	2:22
3	9/1/2020 21:47	Tuesday	I-70 WB	TO GOODFELLOW BLVD	Downed tree blocking lanes	2:14
4	9/1/2020 21:47	Tuesday	I-70 WB	AT GOODFELLOW	Multi-vehicle crash with tree blocking lanes	2:12
5	9/2/2020 13:11	Wednesday	I-70 WB	PAST TR HUGHES BLVD	Multi-vehicle crash with vehicle fire	2:15
6	9/2/2020 20:05	Wednesday	I-70 EB	AT MO 141	Single vehicle crash cause by fatality	2:12
7	9/4/2020 7:47	Friday	S 367 MO	E CHAMBERS RD CST	Single vehicle crash with fatality	2:18
8	9/4/2020 18:00	Friday	I-270 EB	PAST RIVERVIEW RD	Multi-vehicle crash	2:20
9	9/5/2020 21:35	Saturday	US 67 NB	PAST MANRESA LN	Multi-vehicle crash	4:50
10	9/6/2020 1:24	Sunday	W 30 MO	Frankfort	Overtuned vehicle crash	4:38
11	9/7/2020 14:20	Monday	I-270 SB	BEFORE MANCHESTER RD	Single vehicle crash with entrapment	2:24
12	9/10/2020 1:45	Thursday	I-64 WB	TO CLAYTON RD	Single vehicle crash with downed power lines and dark signals	7:25
13	9/10/2020 8:41	Thursday	W 94 MO	E MO 370 EB MO	Dump truck crash with spilled gravel	2:41
14	9/10/2020 9:38	Thursday	E 94 MO	MO 370 WB MO	Dump truck crash with spilled gravel	2:43
15	9/11/2020 0:16	Friday	I-64 EB	ON RAMP FROM I-44 EB	Tractor trailer crash spilling 30,000 lbs. of lemons	5:37
16	9/11/2020 12:48	Friday	I-64 WB	PAST CLAYTON RD	Tractor trailer requiring fuel refill	2:58
17	9/11/2020 23:06	Friday	I-44 WB	AT SOUTHWEST AVE	Tractor trailer brakes on fire	2:09
18	9/12/2020 3:10	Saturday	I-70 WB	TO WEST FLORISSANT AVE	Multi-vehicle crash involving dump truck	3:15
19	9/12/2020 20:16	Saturday	US 67 NB	PAST DENIS ST	Single vehicle crash caused malfunctioning signals	2:23



# INCIDENT MANAGEMENT

ST. LOUIS DISTRICT ■ QUARTERLY REGIONAL MOBILITY REPORT ■ SEPTEMBER / OCTOBER / NOVEMBER 2020



## Incidents over Two Hours September/October/November 2020

Incidents in red denote high mobility impact

#	Date & Time	Day of Week	Route	Location	Description	Duration HH:MM
20	9/13/2020 18:17	Sunday	I-55 SB	PAST REAVIS BARRACKS RD	Single vehicle crash involving fatality	2:27
21	9/13/2020 22:21	Sunday	I-70 EB	AT MISSOURI RIVER	Barrier damage	4:04
22	9/13/2020 22:29	Sunday	I-70 WB	AT MISSOURI RIVER	Single vehicle crash	3:26
23	9/14/2020 12:56	Monday	I-64 EB	ON RAMP FROM I-44 EB	Single vehicle crash involving a tractor trailer	2:08
24	9/15/2020 6:31	Tuesday	I-55 SB	BEFORE MO 141	Single vehicle crash involving tractor trailer	3:19
25	9/17/2020 12:40	Thursday	I-70 WB	AT ROUTE K/M	Police chase involving tractor trailer	2:04
26	9/17/2020 14:04	Thursday	I-270 WB	PAST RIVERVIEW DR	Multi-vehicle crash	4:03
27	9/17/2020 14:19	Thursday	I-44 EB	BEFORE MO 100 WEST	Single vehicle crash involving crossover	3:19
28	9/18/2020 10:23	Friday	I-70 EB	ON RAMP FROM W FLORISSANT AVE	Multi vehicle crash involving shots fired	2:32
29	9/20/2020 14:23	Sunday	I-64 WB	PAST LONG RD	Multi vehicle crash	3:33
30	9/22/2020 9:18	Tuesday	US 67 SB	PAST FEE FEE HILLS DR	Multi vehicle crash involving downed power pole	2:04
31	9/22/2020 14:57	Tuesday	I-64 EB	ON RAMP FROM I-44 EB	Single vehicle crash involving tractor trailer load of wire spilled	3:26
32	9/22/2020 17:07	Tuesday	MO 30 WB	PAST ROUTE MM	Signal head needing replacement	4:17
33	9/23/2020 5:58	Wednesday	W 340 MO	N SPYGLASS SUMMIT DR CST	Multi vehicle crash involving fatality	2:21
34	9/23/2020 6:00	Wednesday	E 340 MO	SPYGLASS SUMMIT DR CST	Continuation of multi vehicle crash involving fatality	2:19
35	9/23/2020 21:45	Wednesday	I-44 EB	PAST MO 47	Multi vehicle crash	2:04
36	9/24/2020 2:43	Thursday	I-270 WB	AT W FLORISSANT AVE	Multi vehicle crash with guard rail damage	5:25
37	9/27/2020 1:36	Sunday	MO 94 EB	BEFORE SHERMAN DR	Single vehicle crash involving fatality	2:09
38	9/27/2020 1:43	Sunday	MO 94 WB	PAST SHERMAN DR	Single vehicle crash involving fatality	2:39



# INCIDENT MANAGEMENT

ST. LOUIS DISTRICT ■ QUARTERLY REGIONAL MOBILITY REPORT ■ SEPTEMBER / OCTOBER / NOVEMBER 2020



## Incidents over Two Hours September/October/November 2020

Incidents in red denote high mobility impact

#	Date & Time	Day of Week	Route	Location	Description	Duration HH:MM
39	9/29/2020 22:27	Tuesday	I-44 EB	AT I-270	Single vehicle crash involving overturned tractor trailer	6:47
40	9/30/2020 11:39	Wednesday	I-70 WB	AT SALISBURY	Single vehicle crash	2:11
41	10/1/2020 6:08	Thursday	I-270 WB	BEFORE ELIZABETH AVE	Single vehicle crash involving dumped load of steal	4:10
42	10/7/2020 5:05	Wednesday	I-44 WB	AT ROUTE AH	Single vehicle crash involving damage to bridge	2:27
43	10/7/2020 5:39	Wednesday	W AH RT		Single vehicle crash involving bridge damage	2:05
44	10/7/2020 16:18	Wednesday	I-64 WB	AT ROUTE K	Single vehicle crash involved spilled load of cable	2:29
45	10/8/2020 2:33	Thursday	I-44 WB	PAST MO 100 WEST/WASHINGTON	Single vehicle crash involving overturned tractor trailer	6:05
46	10/8/2020 2:38	Thursday	I-44 EB	BEFORE MO 100 WEST	Multi vehicle crash involving two overturned tractor trailers	5:56
47	10/9/2020 8:41	Friday	S TELEGRAPH RD CRD	greymonte estates	Multi vehicle crash involving fatality	3:26
48	10/9/2020 8:57	Friday	S TELEGRAPH RD CRD	greymonte estates	Single vehicle crash involving fatality	3:26
49	10/9/2020 18:12	Friday	I-70 EB	BEFORE UNION	Single vehicle crash involving power pole damage	3:32
50	10/11/2020 2:23	Sunday	I-64 WB	BEFORE ROUTE N	Single vehicle crash involving pedestrian	2:41
51	10/13/2020 6:36	Tuesday	I-270 SB	BEFORE OLIVE BLVD	Multi vehicle crash involving pedestrian	2:53
52	10/13/2020 6:44	Tuesday	I-270 SB	ON RAMP FROM PAGE AVE WB	Single vehicle crash involving fatality	2:43
53	10/13/2020 6:52	Tuesday	I-270 SB	ON RAMP FROM PAGE AVE EB		2:00
54	10/13/2020 15:16	Tuesday	I-70 WB	TO WEST FLORISSANT AVE	Single vehicle crash involving fence damage	3:41
55	10/14/2020 6:40	Wednesday	I-44 EB	PAST ROUTE O	Single vehicle crash involving overturned TT	2:36



# INCIDENT MANAGEMENT

ST. LOUIS DISTRICT ■ QUARTERLY REGIONAL MOBILITY REPORT ■ SEPTEMBER / OCTOBER / NOVEMBER 2020



## Incidents over Two Hours September/October/November 2020

Incidents in red denote high mobility impact

#	Date & Time	Day of Week	Route	Location	Description	Duration HH:MM
56	10/14/2020 16:36	Wednesday	W 180 MO	ADIE RD CST	Single vehicle crash involving property damage	2:11
57	10/15/2020 16:15	Thursday	I-64 EB	BEFORE ROUTE K	Tire tread in lane	2:21
58	10/17/2020 1:08	Saturday	I-70 EB	PAST I-170	Single vehicle crash involving fatality	3:30
59	10/18/2020 18:22	Sunday	I-44 EB	PAST SHREWSBURY AVE	single vehicle crash involving tractor trailer	6:45
60	10/18/2020 20:20	Sunday	I-44 WB	PAST MO 100 WEST/WASHINGTON	Single vehicle crash involving overturned tractor trailer	7:45
61	10/18/2020 20:21	Sunday	I-44 EB	AT MO 100 WEST		6:29
62	10/19/2020 13:26	Monday	I-55 SB	BEFORE ROUTE Z	Multi vehicle crash involving fatality	2:24
63	10/20/2020 0:13	Tuesday	I-270 EB	TO MO 370 NB	Multi vehicle crash involving semi truck	2:00
64	10/21/2020 20:57	Wednesday	I-55 NB	PAST MO 141	Multi vehicle crash involving serious injury	2:39
65	10/21/2020 22:29	Wednesday	I-270 NB	BEFORE I-64	Multi vehicle crash involving overturned vehicle	2:00
66	10/21/2020 23:33	Wednesday	I-270 EB	TO N HANLEY RD	Multi vehicle crash	2:01
67	10/22/2020 19:19	Thursday	I-270 EB	PAST LILAC AVE	Single vehicle crash	2:00
68	10/23/2020 1:07	Friday	I-55 SB	TO ARSENAL ST	Single vehicle crash	3:36
70	10/24/2020 19:44	Saturday	I-64 EB	BEFORE HAMPTON AVE	Single vehicle crash involving tractor trailer	2:26
71	10/26/2020 13:46	Monday	I-44 EB	PAST MO 47	Single vehicle crash involving fuel spill	3:01
72	10/27/2020 10:48	Tuesday	I-44 WB	BEFORE MO 109	Multi vehicle crash involving fatality	4:10
73	10/27/2020 11:03	Tuesday	I-44 WB	ON RAMP FROM ANTIRE RD	Single vehicle crash	3:41
74	10/28/2020 0:52	Wednesday	E MC KINLEY BRG CST		Bridge closed due to crime scene	3:59
75	10/28/2020 6:15	Wednesday	I-70 EB EXPRESS LANES	AT CARRIE AVE	Multi vehicle crash involving fatality	2:18



# INCIDENT MANAGEMENT

ST. LOUIS DISTRICT ■ QUARTERLY REGIONAL MOBILITY REPORT ■ SEPTEMBER / OCTOBER / NOVEMBER 2020



## Incidents over Two Hours September/October/November 2020

Incidents in red denote high mobility impact

#	Date & Time	Day of Week	Route	Location	Description	Duration HH:MM
76	10/28/2020 20:52	Wednesday	I-44 EB	BEFORE US 50	Single vehicle involving tractor trailer	2:07
77	10/29/2020 7:29	Thursday	N TESSON FERRY RD CRD	E SLEVIN LN CST	Event involving fatality	3:14
78	10/30/2020 19:09	Friday	E NATURAL BRIDGE AVE CST	Grand blvd	Single vehicle crash involving pedestrian and fatality	2:20
79	10/30/2020 22:14	Friday	I-44 WB	PAST MO 100 WEST/WASHINGTON	Multi vehicle crash involving overturned tractor trailer	6:12
80	10/31/2020 3:24	Saturday	I-44 EB	BEFORE GRAND BLVD	Single vehicle crash	2:41
81	10/31/2020 22:26	Saturday	I-270 WB	PAST I-170	Multi vehicle crash involving debris in roadway from crumbling bridge	5:51
82	11/7/2020 0:48	Saturday	I-70 EB	BEFORE MO 141	Single vehicle crash involving fatality	2:51
83	11/11/2020 7:00	Wednesday	I-64 WB	PAST BOYLE AVE	Event involving disabled tractor trailer	2:18
85	11/14/2020 6:53	Saturday	I-270 SB	PAST DOUGHERTY FERRY RD	Event involving disabled tractor trailer	2:11
86	11/14/2020 9:45	Saturday	I-70 EB	TO I-270	Event involving tractor trailer hitting bridge	8:04
87	11/14/2020 12:44	Saturday	185 MO	RTE H	Single vehicle crash	5:02
88	11/17/2020 13:44	Tuesday	I-170 NB	AT ST CHARLES ROCK RD	Multi vehicle crash	2:00
89	11/21/2020 4:52	Saturday	MO 370 EB	AT I-270 WB	Single vehicle crash involving tractor trailer fuel spilled	2:46
90	11/21/2020 12:07	Saturday	I-70 EB	PAST GOODFELLOW TO LOUGHBOROUGH AVE	Event involving disabled tractor trailer	2:36
91	11/22/2020 6:37	Sunday	I-55 SB		Event involving property damage	3:16
92	11/23/2020 13:35	Monday	I-55 SB	BEFORE ROUTE Z	Multi vehicle crash involving cross over	3:58
93	11/23/2020 13:36	Monday	I-55 NB	PAST ROUTE Z	Multi vehicle crash involving cross over	3:08





# INCIDENT MANAGEMENT

ST. LOUIS DISTRICT ■ QUARTERLY REGIONAL MOBILITY REPORT ■ SEPTEMBER / OCTOBER / NOVEMBER 2020



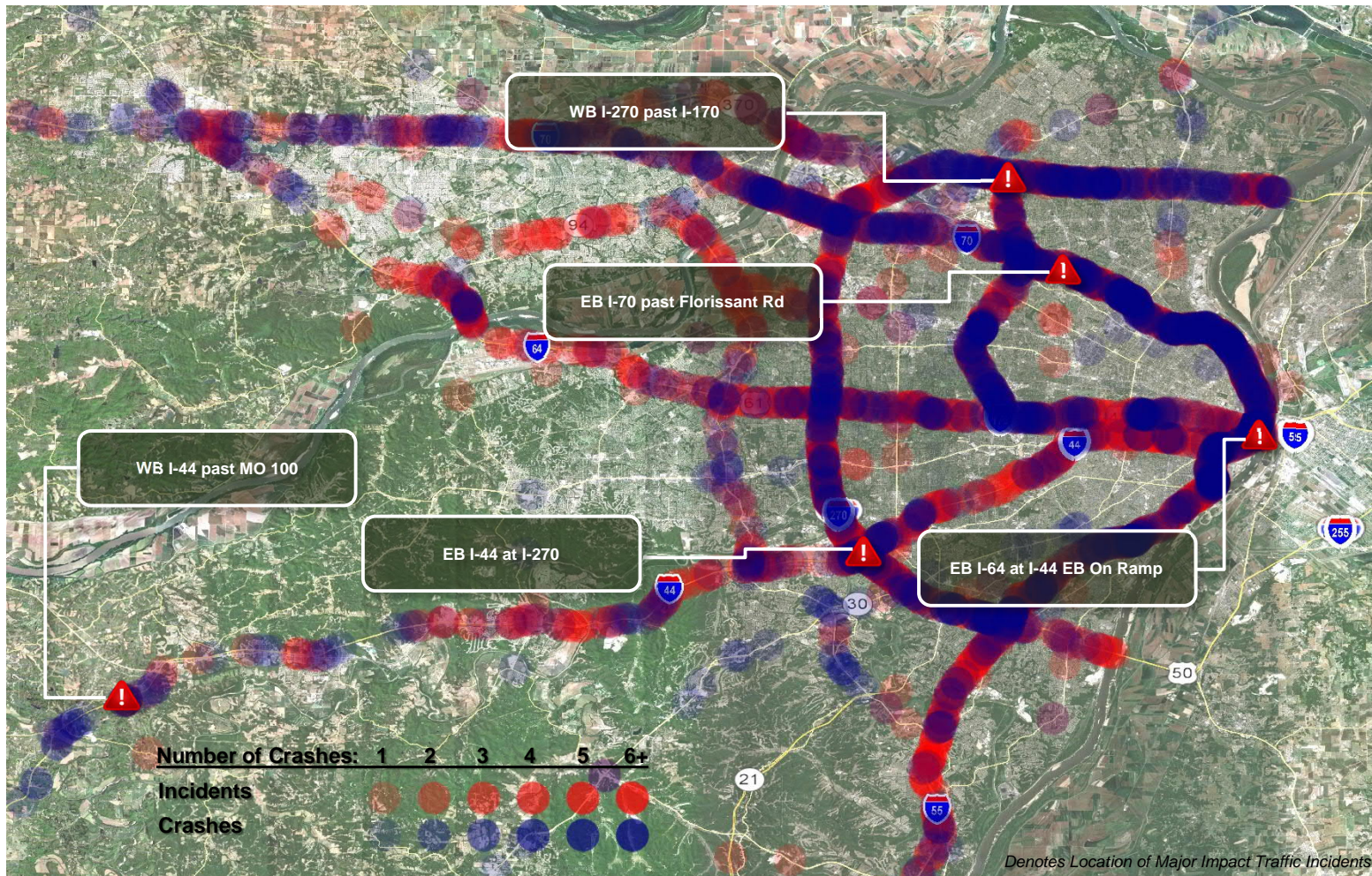
## Incidents over Two Hours September/October/November 2020

Incidents in red denote high mobility impact

#	Date & Time	Day of Week	Route	Location	Description	Duration HH:MM
94	11/24/2020 11:30	Tuesday	MID RIVERS MALL DR NB	TO I-70 EB	Single vehicle crash involving overturned tractor trailer	5:33
95	11/24/2020 18:38	Tuesday	I-70 EB	BEFORE CONVENTION CENTER BLVD	Event involving water on road	3:39
96	11/25/2020 23:58	Wednesday	MO 141 SB	PAST FIEDLER LN	Single vehicle crash involving pedestrian and fatality	3:14
97	11/28/2020 15:46	Saturday	I-270 EB	AT ELIZABETH AVE	Multi vehicle crash	2:56
98	11/29/2020 5:50	Sunday	I-44 WB	AT US 50 WEST/UNION JEFFERSON CITY	Multi vehicle crash	2:00
99	11/30/2020 6:54	Monday	I-270 NB	TO OLIVE BLVD	Single vehicle crash involving spilled load of cheese	3:20
100	11/30/2020 14:57	Monday	I-170 SB	AT OLIVE BLVD	Multi vehicle crash involving rolling gun battle	4:05
101	11/30/2020 15:09	Monday	I-170 SB	ON RAMP FROM OLIVE BLVD		3:33
102	11/30/2020 15:35	Monday	I-170 SB	ON RAMP FROM PAGE AVE		3:08



Sept / Oct / Nov 2020 Incidents with Mobility Impact Map





# INCIDENT MANAGEMENT

ST. LOUIS DISTRICT ■ QUARTERLY REGIONAL MOBILITY REPORT ■ SEPTEMBER / OCTOBER / NOVEMBER 2020



## Major Impact Traffic Incidents and Mitigation

09/11/2020 (Friday)

- **Time:** 12:16 AM – 05:52 AM \*\*\*Non-Fatal\*\*\*
- **Location:** St. Louis City–Eastbound I-64 on ramp from I-44 Eastbound
- **Event Type:** One Vehicle Accident
- **Estimated Initial Impact:** Non-Rush Hour: 2 of 2 lanes affected equals (=) 100%
- **Incident Details:** Overturned tractor-trailer hauling thirty thousand (30,000) pounds of lemons with one (1) human injury. Scene was closed for cleanup.
- **Action Taken:** The TMC operator received a radio call from MoDOT Emergency Response of the incident, operator confirmed the closure on CCTV and notified additional MoDOT Emergency Response, to assist with traffic control. TMC Operators entered the event into ATMS, TMS and activated appropriate DMS boards. An incident alert, update, and clearance were sent out to the appropriate email groups. IDOT was contacted and advised of the incident. All lanes were closed, traffic was diverted back onto I-44 Eastbound. St. Louis City Fire and EMS were all on the scene as well as a one (1) tow for the vehicle. Department of Natural Resources (DNR) team responded and conducted their investigation and cleanup. There was no measurable queue viewed for Eastbound and all traffic returned to normal after the incident cleared. Extended duration was due to uplifting the vehicle and DNR clean up, there was no state damage.
- **Event Duration:** 05 hours 36 minutes

	Eastbound I-64 on ramp From I-44 Eastbound	Left Shoulder	Lane 1	Lane 2	Right Shoulder
Closed Hours/Minutes		5:36	5:36	5:36	5:36



# INCIDENT MANAGEMENT

ST. LOUIS DISTRICT ■ QUARTERLY REGIONAL MOBILITY REPORT ■ SEPTEMBER / OCTOBER / NOVEMBER 2020





## Major Impact Traffic Incidents and Mitigation

09/29/2020 – 09/30/2020 (Tuesday-Wednesday)

- **Time:** 10:27 PM – 05:14 AM
- **Location:** St. Louis Count – Eastbound I-44 at I-270
- **Event Type:** One Vehicle (Tractor Trailer) Accident
- **Incident Details:** TT was hauling 14,000 lbs of salsa and Cold brew (Coffee). This was a NON-Hazmat incident. 200 Gallons of Diesel was lost. KCI (the contractor) suffers 20 barrier walls and 8 yellow caution/crash barrels. Health department was contacted via Fire department. Minors has a dump trailer that was transported to scene for cleanup. Extended duration was due to Minors Towing doing the cleanup of the roadway. Minor's Tow hauled the cab of the Tractor Trailer off. The trailer had to be cut into two (causing an extended duration/clean up). All Traffic was detoured off the highway by Police. Detour was traffic exited to I-270. Barrier Walls have been placed backup before they reopened the highway.
- **Event Duration:** 06 hours 47 minutes






## Major Impact Traffic Incidents and Mitigation

10/01/2020 (Thursday)

- **Time:** 03:54 PM – 05:07 PM \*\*\* Fatal \*\*\*
- **Location:** Cool Valley, St. Louis County – Eastbound I-70 past Florissant RD
- **Event Type:** One vehicle accident
- **Estimated Initial Impact:** Rush Hour: 3 of 3 travel lanes affected equals (=) 100%
- **Incident Details:** The TMC operators heard radio traffic concerning a passenger car overturning multiple times with ejection. The TMC dispatched MoDOT ER to the scene.
- **Action Taken:** North County Cooperative (PD) were on scene with all lanes closed at 15:54. Northeast Fire Department and Northeast EMS arrived on scene at 15:55 and transported the patient. Two ER units arrived on scene at 15:54 and provided traffic control clearing the queue and redirecting traffic onto the Bermuda exit. An additional ER unit arrived to assist with advanced warning at 15:58. MSHP arrived on scene at 16:22. Tow arrived on scene at 16:31. Confirmation of the fatality came at 16:38. The two Left lanes opened at 16:53 and the remaining third lane opened at 17:07. Communications Staff, Motor Carriers, 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. Incident, update and cleared alerts were used to advise management of the closure. Traffic queued approximately 2.2 miles but returned to normal approximately 17 minutes after all lanes were opened. There was no notification as to when a reconstruction investigation would take place.
- **Event Duration:** 1 hour 13 minutes

	Eastbound I-70 past Florissant Rd	LS	Lane 1	Lane 2	Lane 3	RS
	Closed Hours/Minutes	:59	:59	:59	1:13	1:13





# INCIDENT MANAGEMENT


ST. LOUIS DISTRICT ■ QUARTERLY REGIONAL MOBILITY REPORT ■ SEPTEMBER / OCTOBER / NOVEMBER 2020



## Major Impact Traffic Incidents and Mitigation

10/30/2020 (Friday)

- **Time:** 10:13 PM – 04:25 AM \*\*\*Non-Fatal\*\*\*
- **Location:** Franklin County, Mo. I-44 WB past MO 100
- **Event Type:** Two Vehicle Accident
- **Estimated Initial Impact:** Non-Rush Hour: 2 of 2 lanes affected equals (=) 100%
- **Incident Details:** Tractor-trailer was hauling 39,000 lbs. of frozen beef patties
- **Action Taken:** TMC operators overheard Troop C being dispatched to an accident. The Operators started pulling cameras to confirm this incident and entering it into the system to get the public notified. The TMC Operator notified the MODOT Emergency Response for that I-44 area to assist with traffic control. Once the event was entered into TMS the proper DMS boards were activated and additional boards were added. Highway Patrol was the first responders on scene, this is when we were able to start seeing the backup on camera where all lanes were closed. Traffic was diverted off the highway onto MO 100. Emergency Response was too far from the scene to be able to give live updates. Highway Patrol and Heavy Tow was able to get the right lane of traffic opened to relieve the queue that had built up to 3 miles, once the right lane opened traffic was relieved quickly. The health department was contacted by Highway Patrol to see if they would be performing the investigation on the interstate or at the tow yard. No addition information was shared to MODOT on behalf of the health department. Shortly after two additional heavy tows arrived on scene to assist with cleanup, they were able to get the Tractor trailer unloaded of the 39,000 lbs. of frozen beef patties, and shortly after tractor trailer was up righted. Highway Patrol did report that there was 400 ft of guard cable that was damaged. All departments that were on scene kept open communication, allowing us to get traffic moving at a reasonable time. Other than the communication on the process of what the Health Department's plans were, I think we all worked well as a full unit.
- **Event Duration:** 06 hours and 12 minutes

	Westbound I-44 past MO 100	Left Shoulder	Left Lane	Right Lane	Right Shoulder
		Closed Hours/Minutes	6:02	6:02	1:46








## Major Impact Traffic Incidents and Mitigation

10/31/2020 (Saturday)

- **Time:** 10:26 PM – 04:17 AM **\*\*\*Non-Fatal\*\*\***
- **Location:** Hazelwood, Mo. I-270 WB past I-170
- **Event Type:** Debris/Roadway Failing
- **Estimated Initial Impact:** Non-Rush Hour: 1 of 3 lanes affected
- **Incident Details:** Roadway was Falling through
- **Action Taken:** MODOT's Operator took a phone call from Hazelwood Police Dispatch stating there was reports of a boulder in the number one lane of traffic, causing flat tires. MODOT's operator was pulling cameras up and entering the event into TMS while notifying Emergency Response. Once Hazelwood Police was on scene the TMC overheard on the radio traffic that the ground was failing, and you can see water underneath. Emergency Response arrived on the scene sending the photos of the roadway to Gatewayguide@modot.mo.gov. This is when The TMC staff started making phone calls to the Bridge Superintendent and Construction Deputy Project Director. The Bridge Crew Engineer made it to scene, this is when we shut the ramp from I-170 NB to I-270 WB down to slow traffic. Once the Bridge Crew Engineer checked the bridge over, he advised that we will be shutting down lanes one and two until the repair has been complete. At this point Tramar Traffic was contacted to setup lane drops where the work was going to be performed. While enroute to the scene the Crash truck was struck on the EB side of the highway, causing an extended duration. Once Tramar Traffic was able to get to the scene they able to setup the lane drops and we were able to get the event turned into a workzone.
- **Event Duration:** 05 hours and 51 minutes

	Westbound I-270 past I-170	Left Lane	Center Lane	Right Lane	Right Should
Closed Hours/Minutes		5:51	5:51	0:00	0:00



