



ST. LOUIS DISTRICT MOBILITY

QUARTERLY REGIONAL MOBILITY REPORT ■ JUNE/JULY/AUGUST 2021 | EDITION NO. 16

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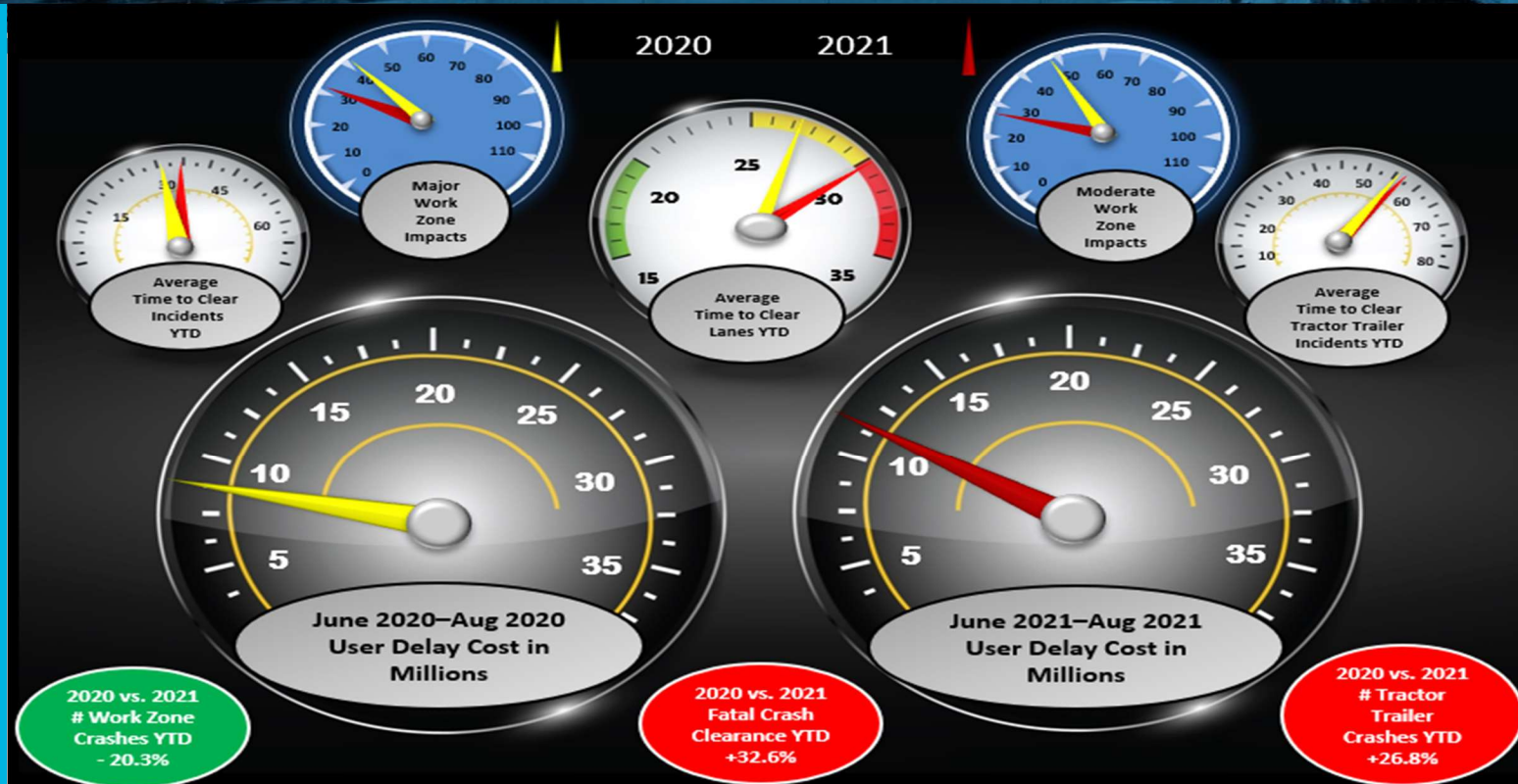
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Keep Customers and Ourselves Safe



User Delay Cost: Passenger Vehicle \$17.91 Commercial Vehicle \$100.49
Sources Texas Transportation Institute & American Transportation Research Institute

June thru August 2020 Grand Total and Average

Delay Cost:
Total \$8,522,832
Hours of delay
Person-hours: 345,76h 40m
Vehicle hours: 282,234h 01m

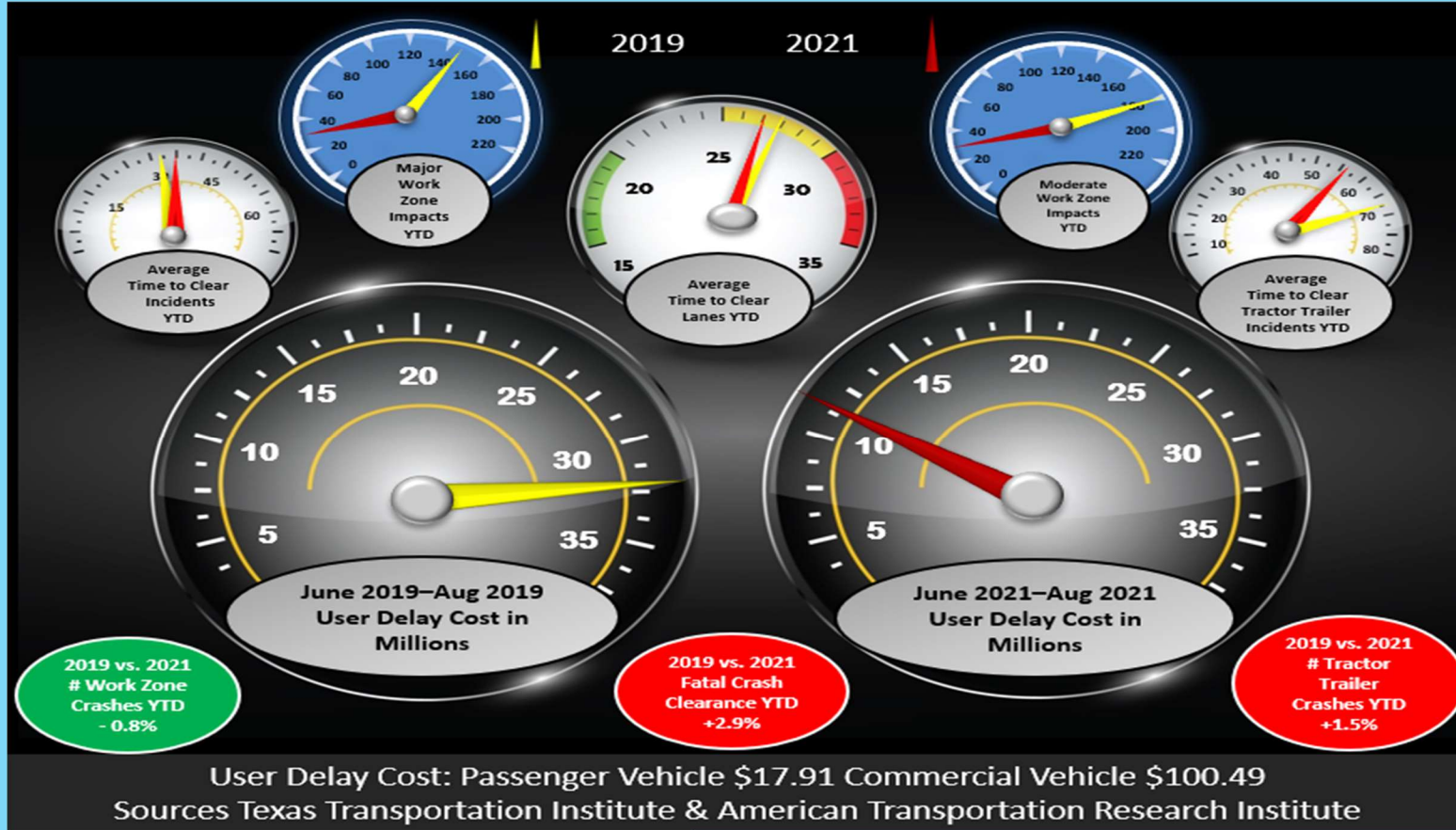
June thru August 2021 Grand Total and Average

Delay Cost:
Total \$11,521,676
Hours of delay
Person-hours: 467,387h 35m
Vehicle hours: 381,540h 53m



EXECUTIVE SUMMARY

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June thru August 2019 Grand Total and Average

Delay Cost (Based on 2021-dollar value):

Total \$32,231,869

Hours of delay

Person-hours: 1,307,515h 57m

Vehicle hours: 1,067,359h 58m.

June thru August 2021 Grand Total and Average

Delay Cost:

Total \$11,521,676

Hours of delay

Person-hours: 467,387h 35m

Vehicle hours: 381,540h 53m



EXECUTIVE SUMMARY

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ZONING IN

Fatal Crash Clearance times increased by 32.6% YTD in 2021 compared to 2020

The number of tractor trailer crashes increased by 26.8% YTD in 2021 compared to 2020

Work zone crashes decreased by 20.3% YTD in 2021 compared to 2020

Overall AM Regional Mobility for the quarter improved and PM Regional Mobility declined compared to the same quarter 2020

Eastbound I-64 at I-55/I-70/US-40 was the top congested segment this quarter with I-70 E @ PEARCE BLVD/EXIT 208 was the second congested segment.

TMS Work Zones:

June 2021: 327

July 2021: 292

August 2021: 217

Work Zone Impact Breakdown:

■	Major:	10 – (-63%)
■	Moderate:	11 – (-59%)
■	Minor:	815 – (-35%)

WORK ZONE CRASHES: 83

Planned Event

Date: Entire Quarter

Location: I-64 EB @ I-55/I-70/US-40

Event Detail: IDOT Bridge Rehabilitation Project scheduled from March 31, 2021 to September 30, 2021.

Unplanned Event

Date: 06-11-2021

Location: Jefferson County, I-55 NB at US 67

Event Detail: Two (2) vehicle accident involving concrete truck and tractor trailer. This resulted in an 8.8-mile-long queue. The NB lanes were closed ~7 hours 5 minutes.



EXECUTIVE SUMMARY

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Top 5 Congestion Locations / June - August 2020 vs. June - August 2021

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

	Congestion Locations 2020	*Weighted Total Impact	Average Queue Length Miles	Average Daily Duration	Total Duration
1	I-70 W @ EARTH CITY EXPY/EXIT 231 (WZ)	42,846,489	1.23	2 h 28 m	9 d 12 h 4 m
2	I-270 N @ I-70	34,974,127	2.73	24 m	1 d 14 h 12 m
3	I-270 S @ DORSETT RD/EXIT 17	32,786,606	2.27	21 m	1 d 9 h 34 m
4	I-270 W @ ELIZABETH/WASHINGTON ST (WZ)	31,951,825	2.38	26 m	1 d 16 h 19 m
5	I-270 W @ OLD HALLS FERRY RD/EXIT 30 (WZ)	25,925,834	1.19	1 h 26 m	5 d 13 h 17 m

	Congestion Locations 2021	*Weighted Total Impact	Average Queue Length Miles	Average Daily Duration	Total Duration
1	I-64 E @ I-55/I-70/US-40 (WZ)	159,609,319	1.08	4 h 26 m	17 d 1 h 14 m
2	I-70 E @ PEARCE BLVD/EXIT 208	22,700,564	7.22	36 m	2 d 7 h 49 m
3	I-64 W @ I-70	21,395,493	4.89	1 h 7 m	4 d 7 h 44 m
4	I-270 E @ FLORISSANT AVE/EXIT 29 (WZ)	18,631,546	2.32	27 m	1 d 18 h 33 m
5	I-270 W @ ELIZABETH/WASHINGTON ST (WZ)	18,357,211	2.39	31 m	1 d 23 h 45 m

Average Incident Duration Comparison / 2020 vs. 2021

Month	Average Incident Duration (Minutes: Seconds)	2020	2021
June	Lane Clearance	28:58	34:17
June	Incident Clearance	29:22	34:08
July	Lane Clearance	30:22	36:24
July	Incident Clearance	30:57	36:06
August	Lane Clearance	28:08	35:40
August	Incident Clearance	28:27	35:36

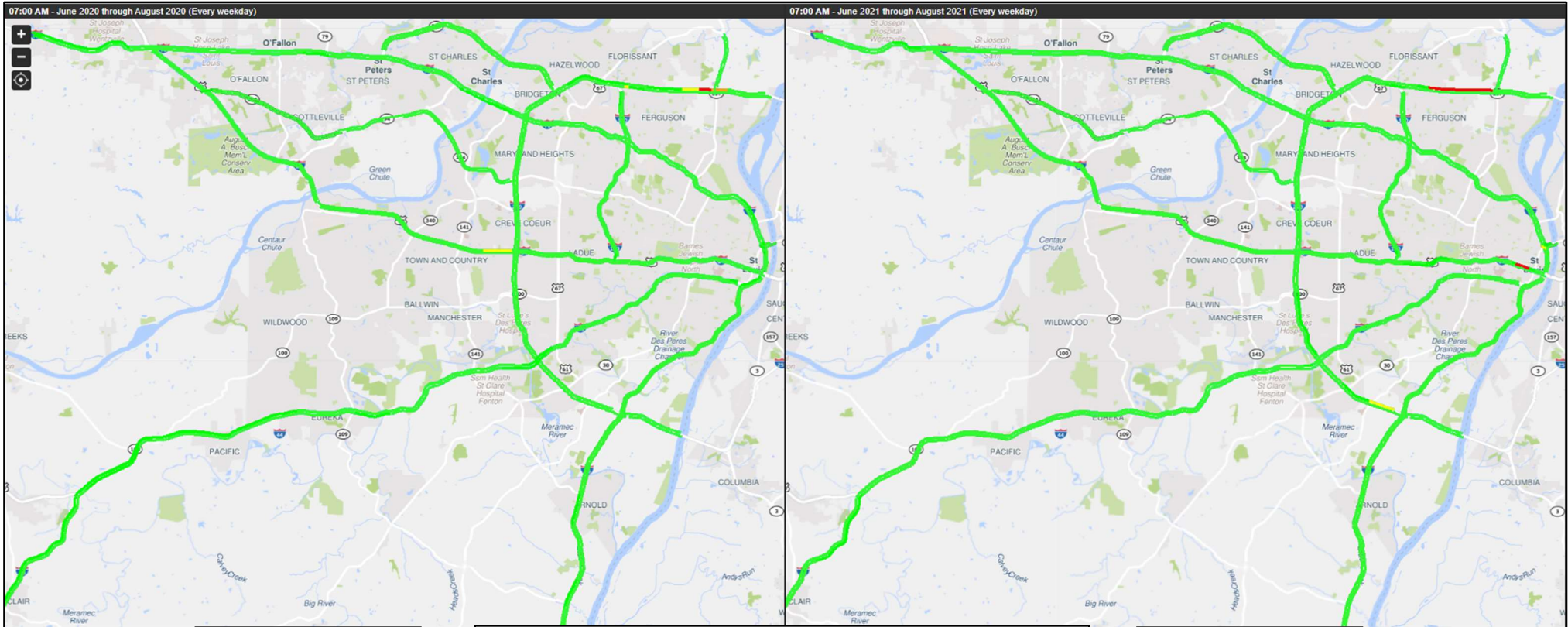


FREEWAY MANAGEMENT

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No Change in Overall AM Mobility

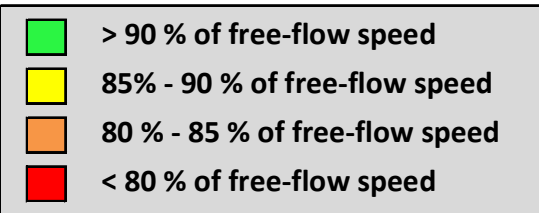
AM Peak Mobility June/July/August 2020 vs June/July/August 2021 *



2020

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

2021



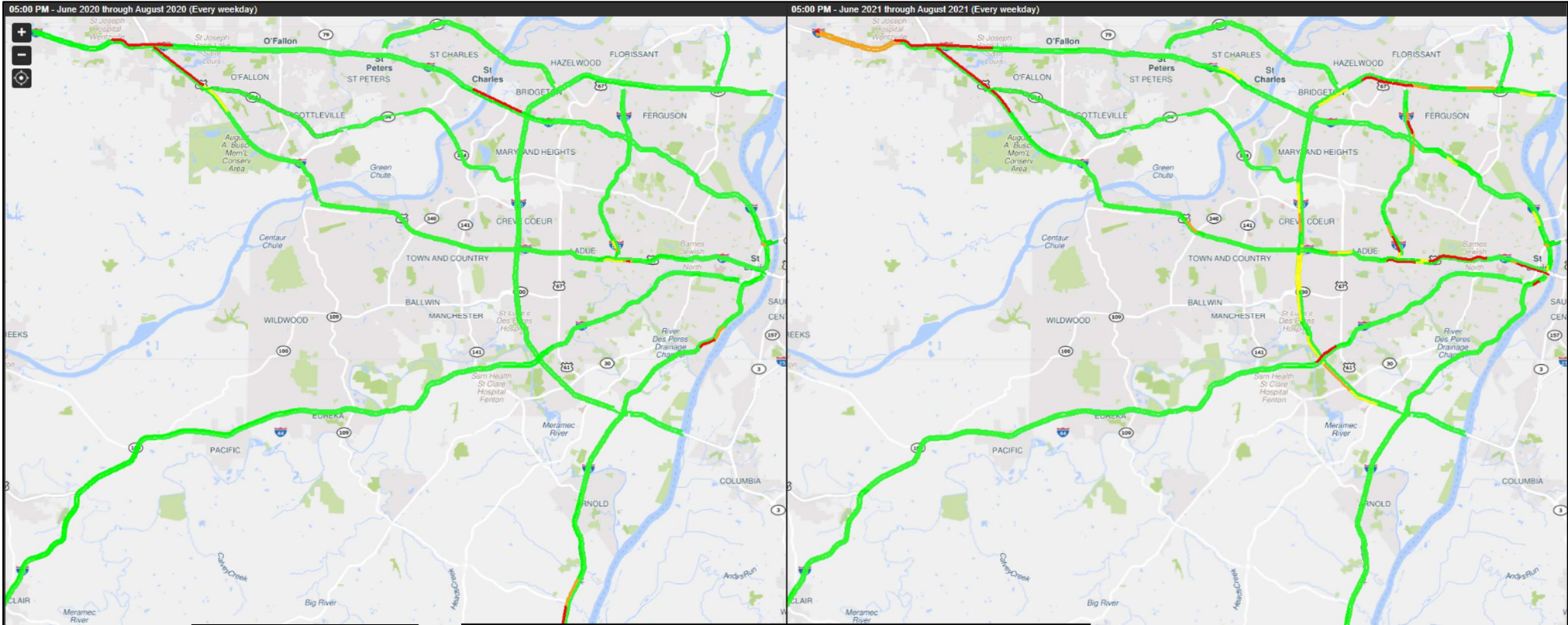
	2020		2021
6 AM	99.7%	→	99.8%
7 AM	99.5%	→	99.4%
8 AM	99.4%	→	99.2%
9 AM	99.3%	→	99.6%

* 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.

DECREASE in Overall PM Mobility

PM Peak Mobility June/July/August 2020 vs June/July/August 2021 *



2020

2021

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

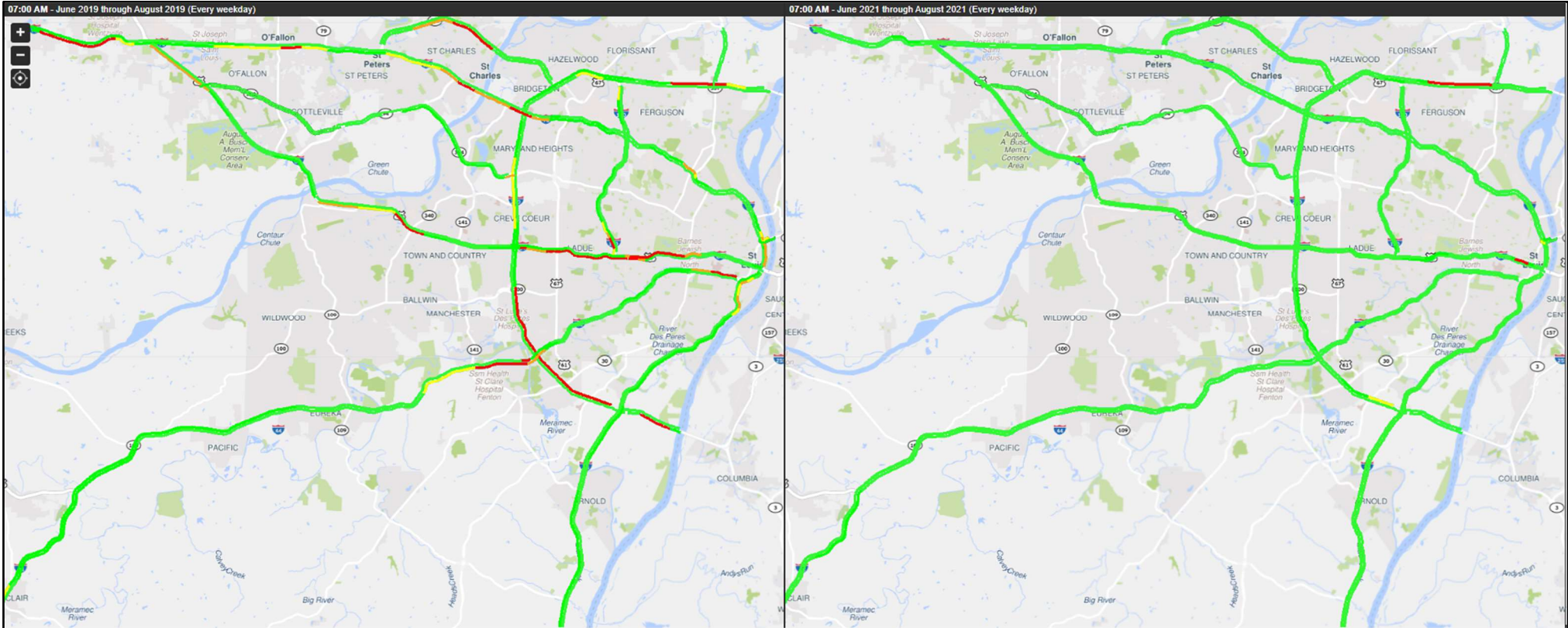
	2020	→	2021
3 PM	98.1%	→	96.5%
4 PM	98.2%	→	94.9%
5 PM	98.4%	→	95.7%
6 PM	99.6%	→	98.9%
7 PM	99.4%	→	99.7%

* 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.

AM Congestion 2019 VS 2021

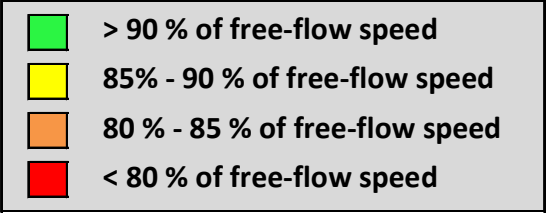
AM Congestion Trend June/July/August 2019 vs June/July/August 2021 *



2019

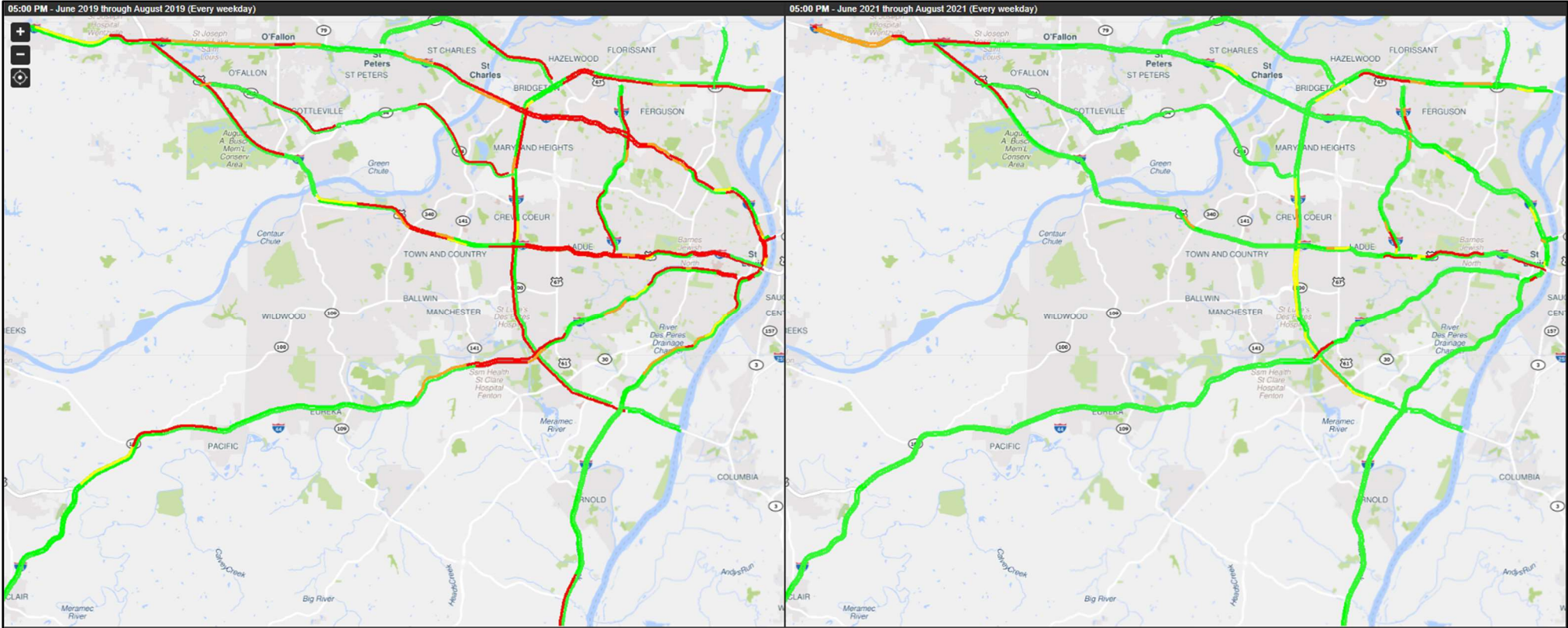
* 7am hour shown

2021



PM Congestion 2019 VS 2021

PM Congestion Trend June/July/August 2019 vs June/July/August 2021 *



2019

* 5pm hour shown

2021

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

Top 5 Congestion Locations Comparison

Comparing Top 5 Congestion Locations of June/July/August 2020 to June/July/August 2021

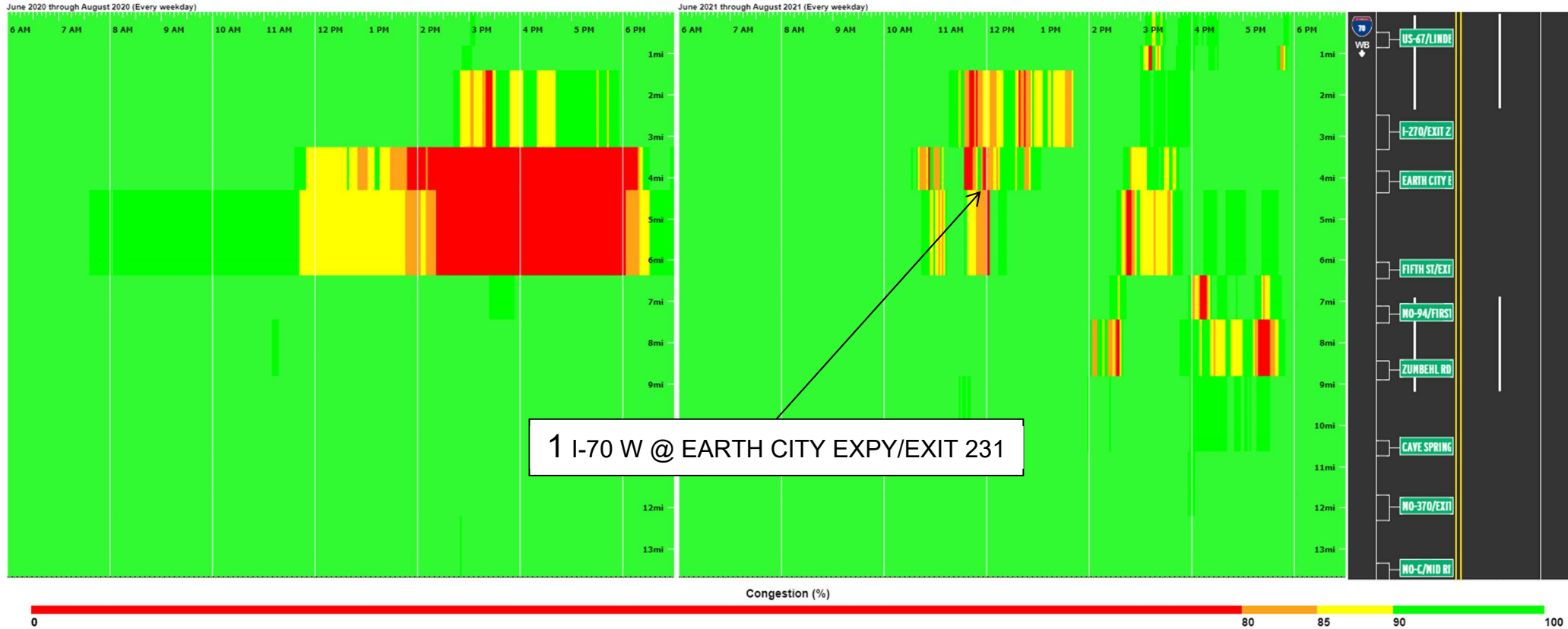
- 1 I-70 W @ EARTH CITY EXPY/EXIT 231
Mobility INCREASED from 2020 → 2021
- 2 I-270 N @ I-70
Mobility DECREASED from 2020 → 2021
- 3 I-270 S @ DORSETT RD/EXIT 17
Mobility DECREASED from 2020 → 2021
- 4 I-270 W @ ELIZABETH/WASHINGTON ST
Mobility DECREASED from 2020 → 2021
- 5 I-270 W @ OLD HALLS FERRY RD/EXIT 30
Mobility DECREASED from 2020 → 2021



2020/2021 WB I-70

Congestion for I-70 Westbound between MO-C/Mid Rivers MI Dr/Exit 222 and US-67/Lindbergh Blvd/Exit 235 using HERE data

Averaged by 2 minutes for June 2020 through August 2020 (Every weekday) and June 2021 through August 2021 (Every weekday)

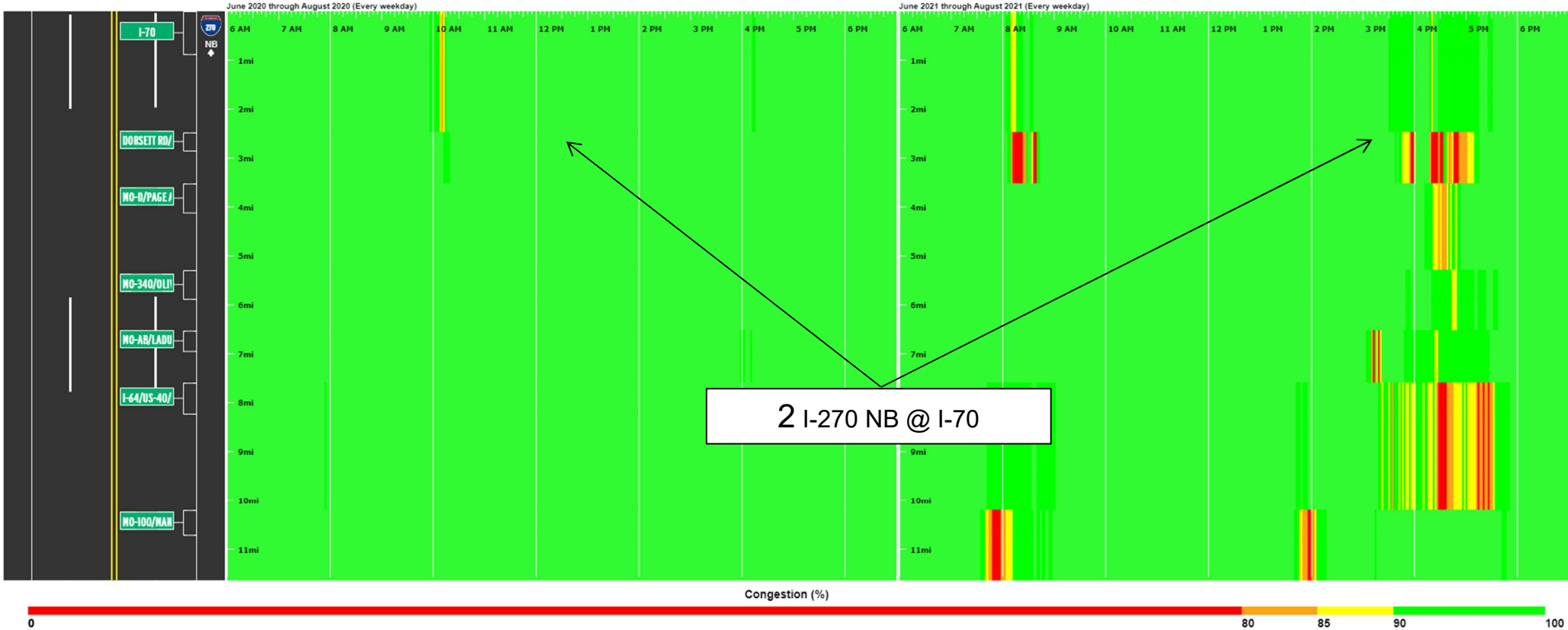


1 I-70 W @ EARTH CITY EXPY/EXIT 231



2020/2021 NB I-270

Congestion for I-270 Northbound between MO-100/Manchester Rd/Exit 9 and I-70 using HERE data
 Averaged by 2 minutes for June 2020 through August 2020 (Every weekday) and June 2021 through August 2021 (Every weekday)





FREEWAY MANAGEMENT

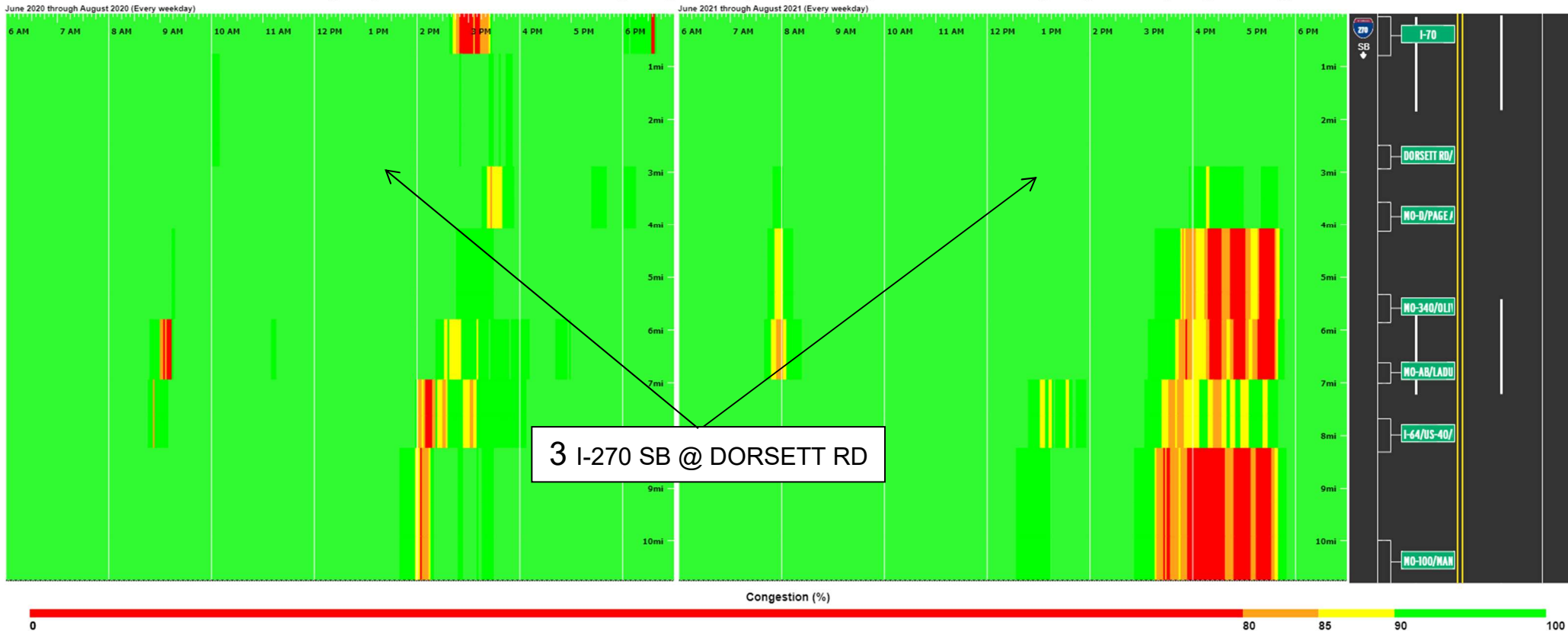
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2020/2021 I-270 SB

Congestion for I-270 Southbound between MO-100/Manchester Rd/Exit 9 and I-70 using HERE data

Averaged by 2 minutes for June 2020 through August 2020 (Every weekday) and June 2021 through August 2021 (Every weekday)

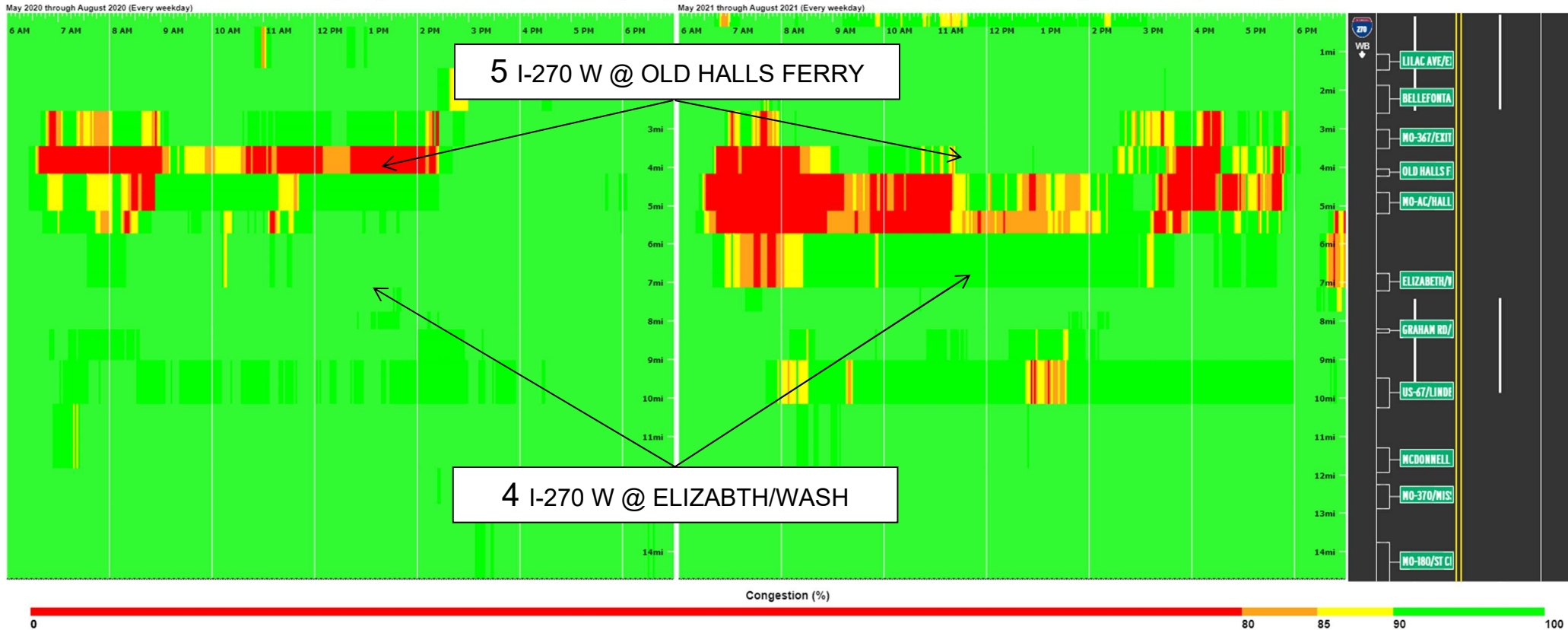




2020/2021 I-270 WB

Congestion for I-270 Westbound between MO-180/St Charles Rock/Exit 20 and Riverview Dr/Exit 34 using HERE data

Averaged by 2 minutes for May 2020 through August 2020 (Every weekday) and May 2021 through August 2021 (Every weekday)



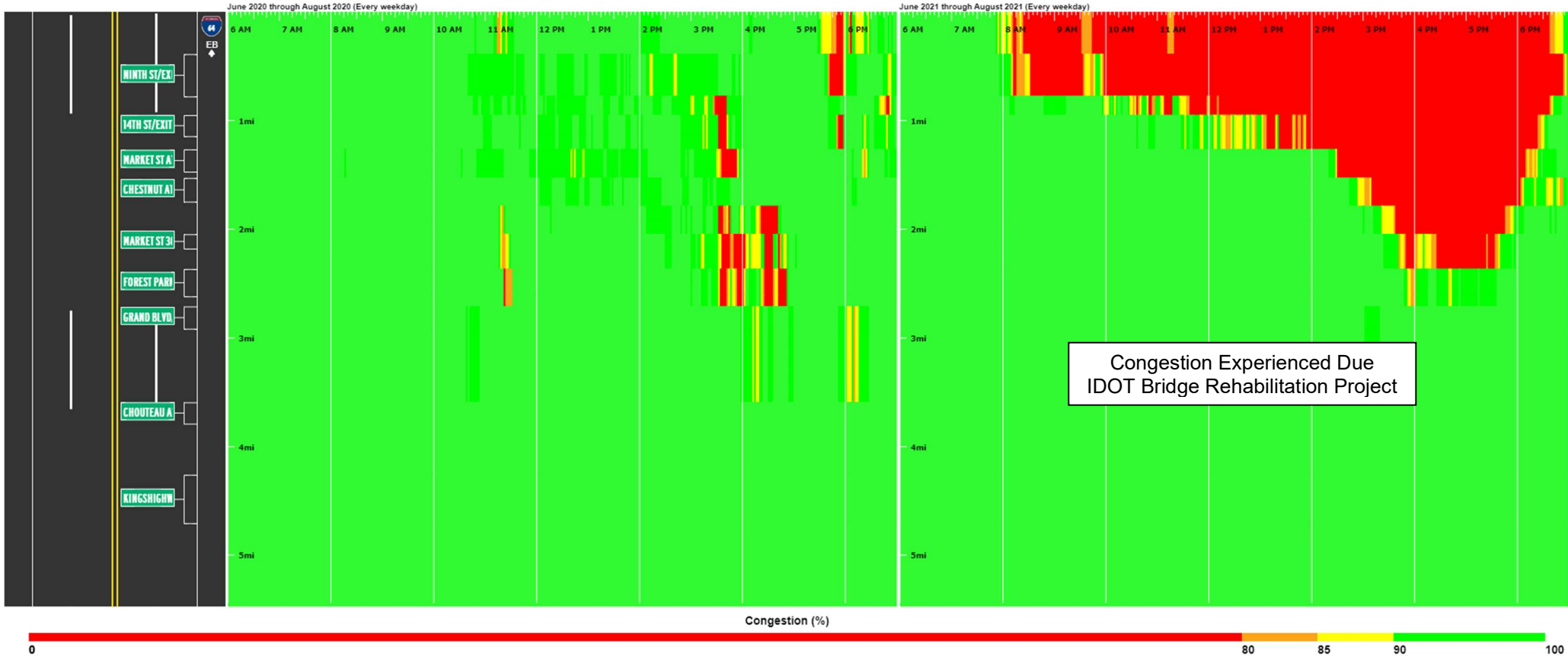


Analysis of IDOT Bridge Rehabilitation Project

2020/2021 I-64 EB

Congestion for I-64 Eastbound between Kingshighway/Exit 36 and I-55/I-70/US-40 using HERE data

Averaged by 2 minutes for June 2020 through August 2020 (Every weekday) and June 2021 through August 2021 (Every weekday)



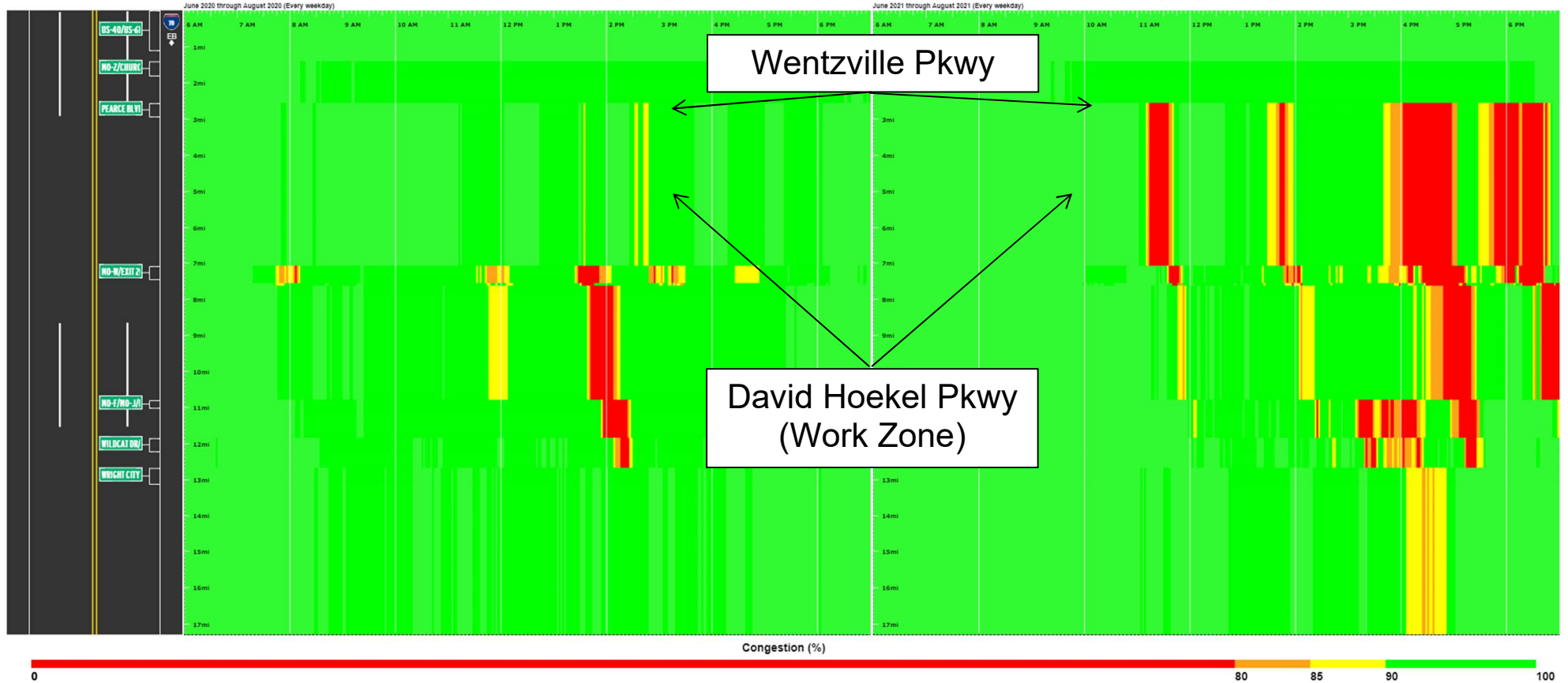


Analysis of I-70 at Wentzville Parkway

2020/2021 I-70 EB

Congestion for I-70 Eastbound between Wright City Rest Area and US-40/US-61/Exit 210 using HERE data

Averaged by 2 minutes for June 2020 through August 2020 (Every weekday) and June 2021 through August 2021 (Every weekday)





WORKZONE MANAGEMENT

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TMC Observed Work Zones

	June 2021	July 2021	August 2021
Level of Travel Time Impact	Number of Work Zones	Number of Work Zones	Number of Work Zones
Major Impact	2	4	4
Moderate Impact	1	7	3
Minor Impact	324	281	210
Total	327	292	217

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 51 minutes

5 8

(Daily) Westbound I-270 Design Build

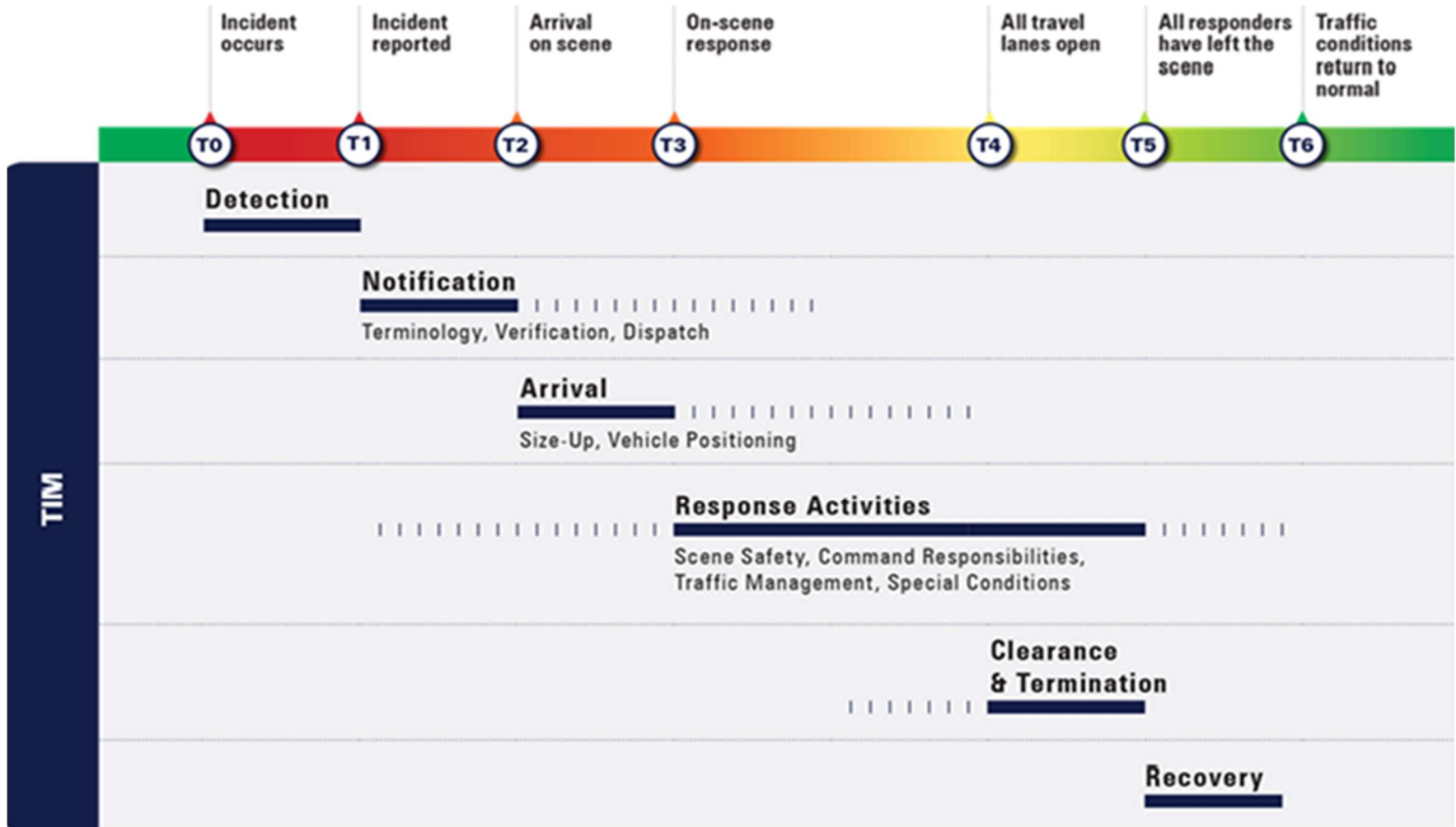
- Roadway Rehab Construction
- All mitigation efforts were in use
- RITIS data recorded additional travel times up to 71 minutes

4 2

(Daily) Westbound I-44 Bridge rehab

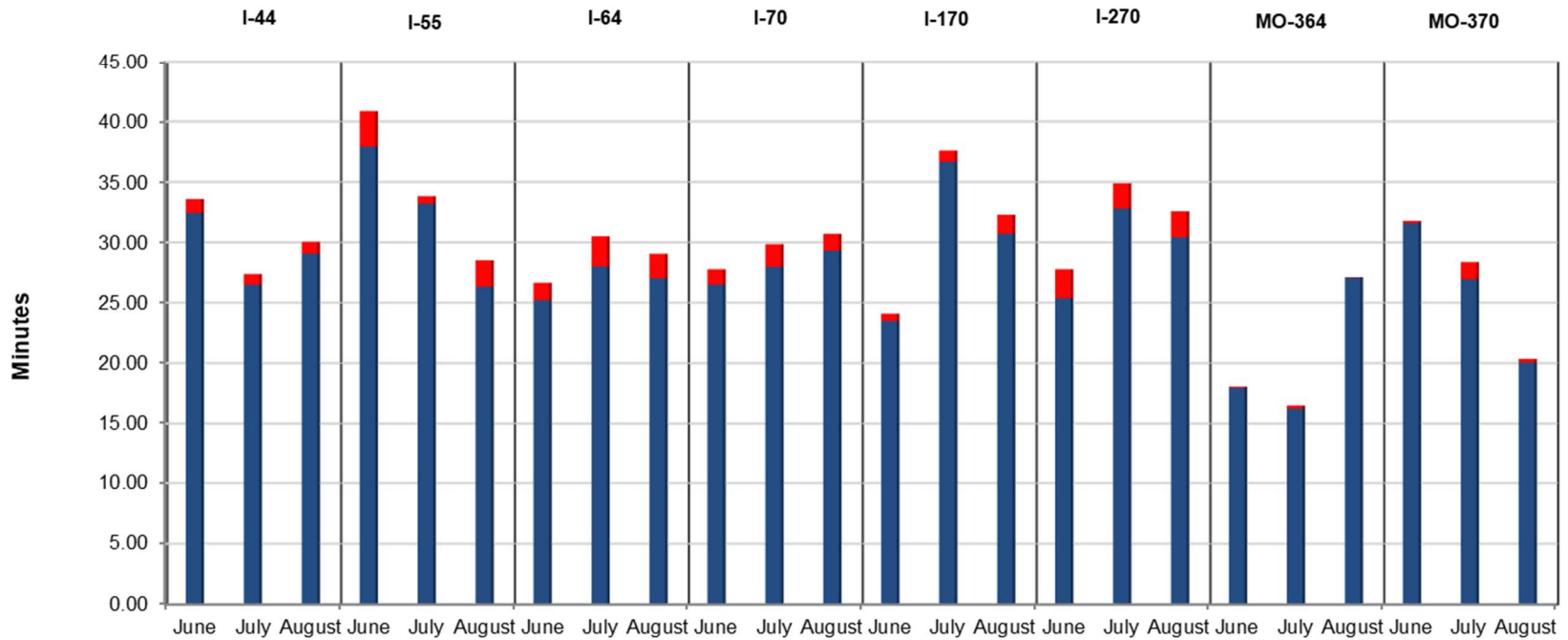
- Bridge Rehab Construction
- All mitigation efforts were in use
- RITIS data recorded additional travel times up to 17 minutes

1 0





June/July/August 2021
Incidents Summary

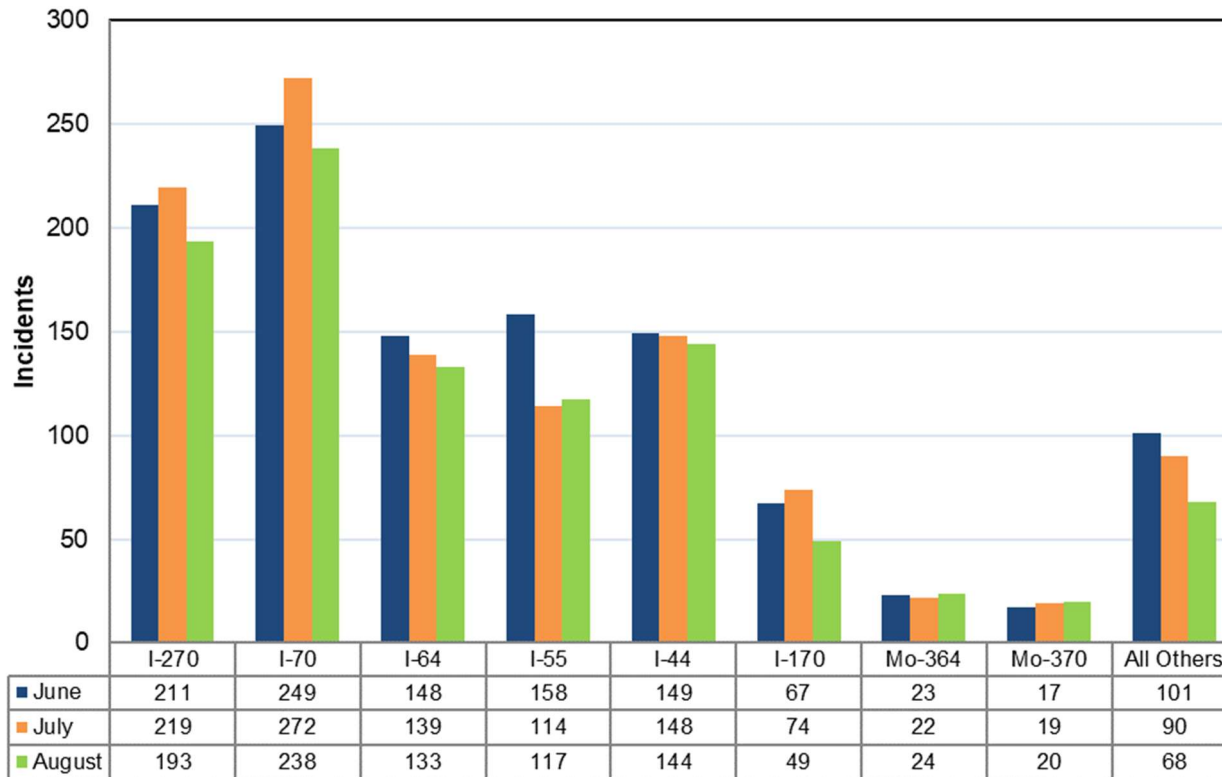


- Average Time for Backup to Clear = T6 - T4
- Average Time to Clear Incident from Lanes = T4 - T1



Total Number of Lane Blocking Incidents: June: 1157 / July: 1123 / August: 1005

Total Number of Lane Blocking Incidents



Major Impact Incidents

June	July	Aug
(17)	(19)	(16)

Fatal Incidents

June	July	Aug
(4)	(10)	(14)

Tractor Trailer Incidents

June	July	Aug
(37)	(25)	(22)



INCIDENT MANAGEMENT

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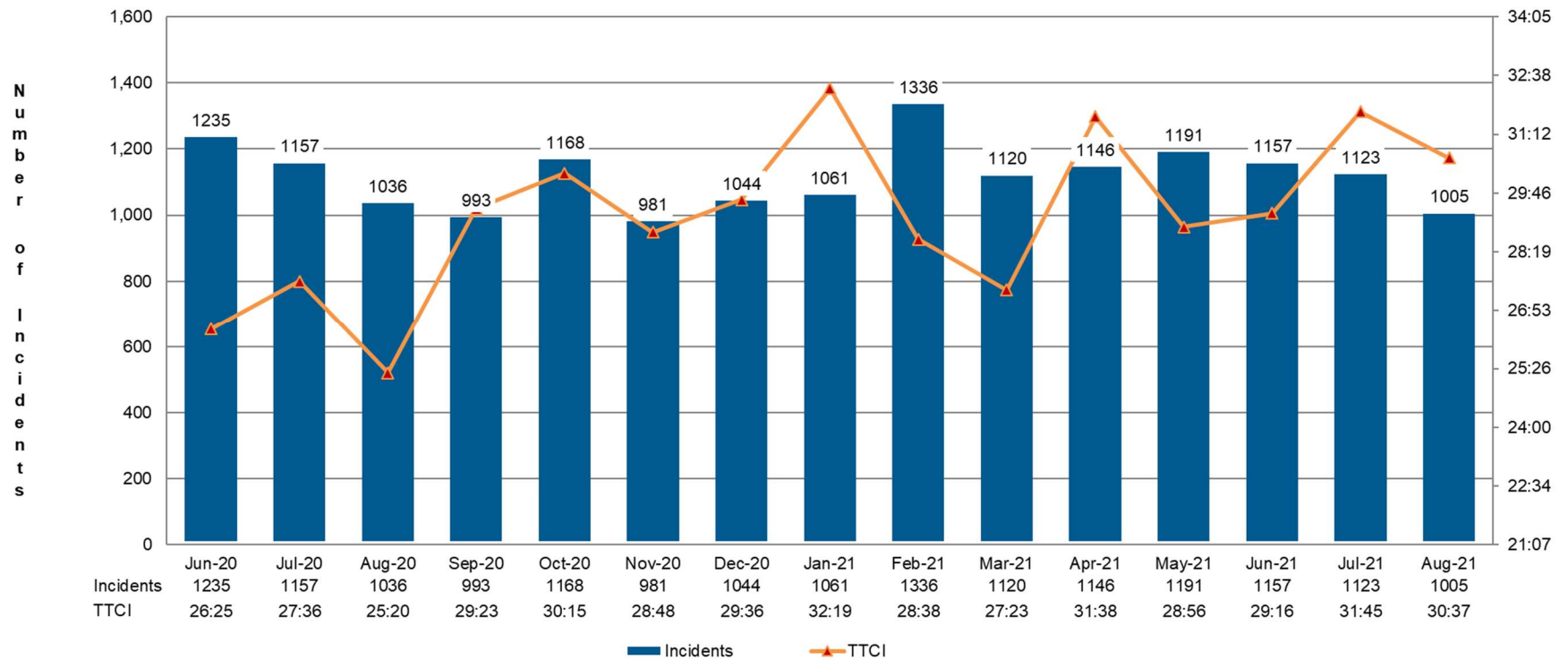
Lane Blocking Incidents by Freeway June/July/August 2021

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	June	149	32:26	01:09	33	4.52
I-44	July	148	26:29	00:53	33	4.48
I-44	August	144	29:04	00:59	33	4.36
I-55	June	158	37:55	02:57	23	6.87
I-55	July	114	33:13	00:37	23	4.96
I-55	August	117	26:19	02:12	23	5.09
I-64	June	148	25:12	01:28	40	3.70
I-64	July	139	28:00	02:31	40	3.48
I-64	August	133	27:02	02:02	40	3.33
I-70	June	249	26:30	01:17	38	6.55
I-70	July	272	27:58	01:53	38	7.16
I-70	August	238	29:19	01:24	38	6.26
I-170	June	67	23:29	00:37	11	6.09
I-170	July	74	36:40	00:57	11	6.73
I-170	August	49	30:43	01:34	11	4.45
I-270	June	211	25:22	02:24	36	5.86
I-270	July	219	32:47	02:05	36	6.08
I-270	August	193	30:25	02:09	36	5.36
MO-364	June	23	17:58	00:05	11	2.09
MO-364	July	22	16:14	00:16	11	2.00
MO-364	August	24	27:05	00:02	11	2.18
MO-370	June	17	31:35	00:11	13	1.31
MO-370	July	19	26:57	01:25	13	1.46
MO-370	August	20	20:03	00:18	13	1.54
Total	June/July/Aug	2947	27:52	01:19	615	4.79



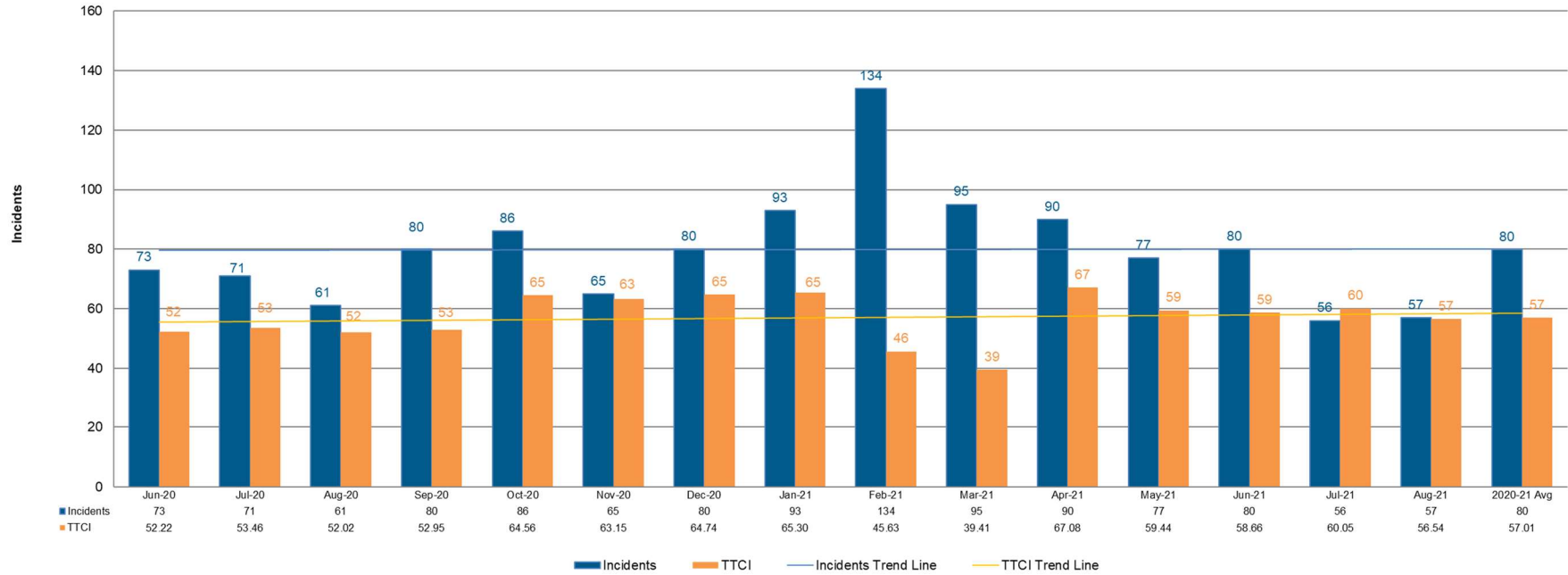
Number of Incidents and Time to Clear Lanes

Time to Clear Incidents





2020 - 2021 Number of Tractor Trailer Incidents / Time to Clear



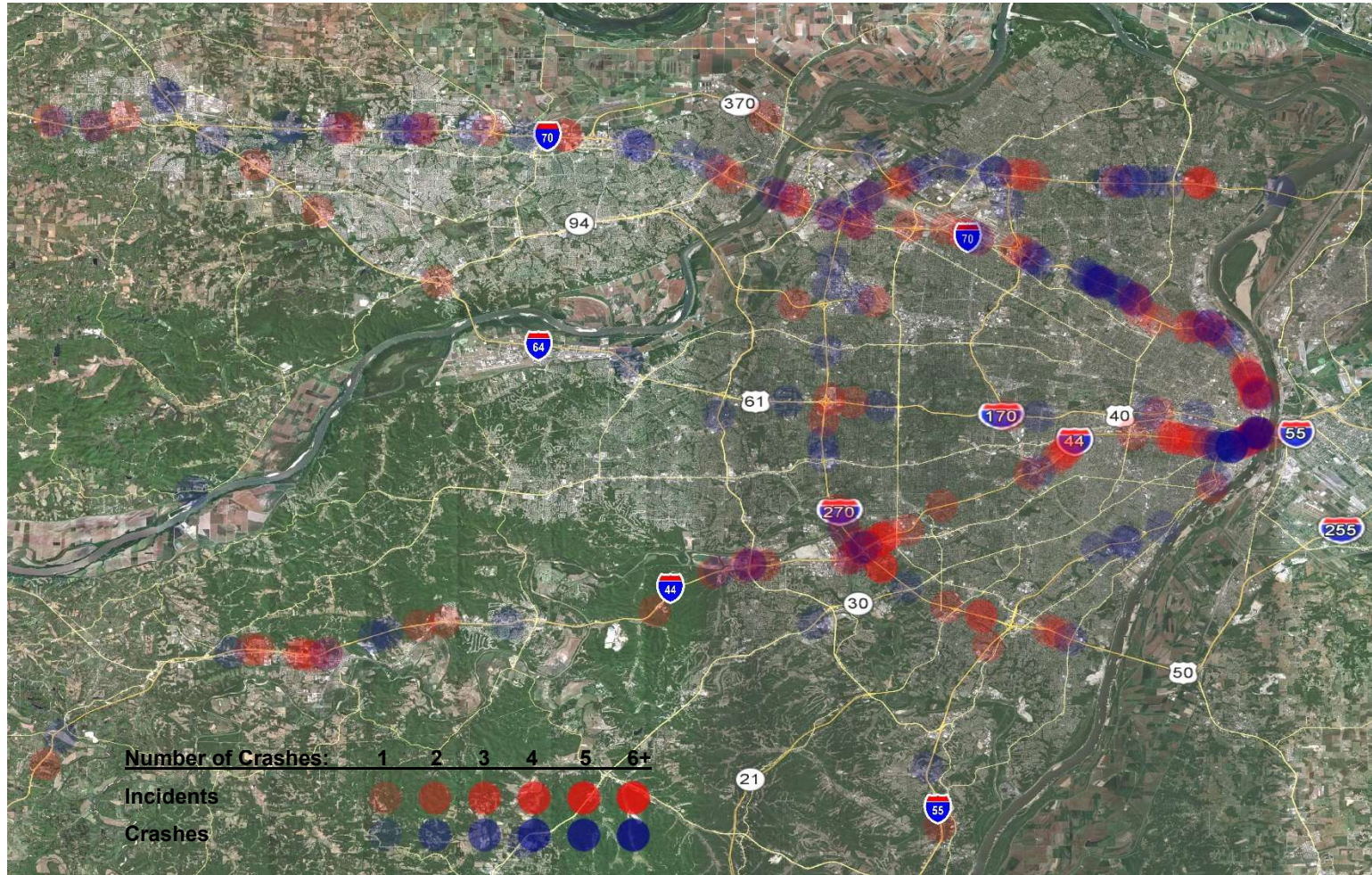


2021 Tractor Trailer Incidents by Route

2021	I-44	I-55	I-64	I-70	I-170	I-255/I-270	Route 364	Route 370	Other	Total
Jan	24	6	4	36	4	13	0	3	3	93
Feb	20	11	17	43	4	28	1	5	4	133
Mar	24	7	8	32	0	16	1	0	6	94
Apr	21	6	10	35	1	11	0	0	4	88
May	28	3	3	21	0	19	0	3	0	77
Jun	22	11	5	20	1	17	0	0	3	79
Jul	15	5	5	19	0	9	0	2	1	56
Aug	17	1	6	21	2	8	0	1	0	56
Sep										0
Oct										0
Nov										0
Dec										0
Yearly Total	171	50	58	227	12	121	2	14	21	676

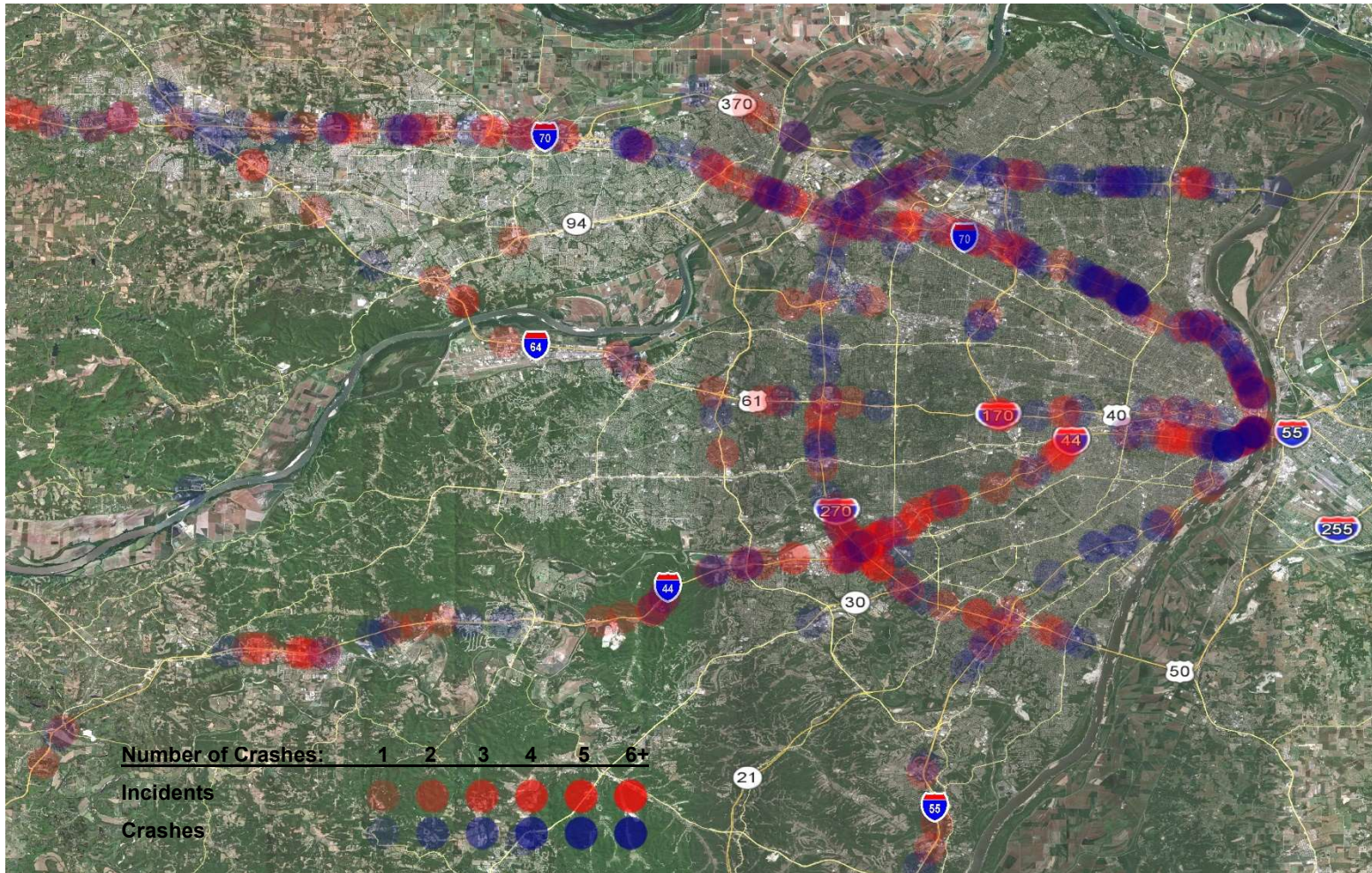


June/July/August 2021 Tractor Trailer Incidents Map





January 2021 – August 2021 Tractor Trailer Incidents Map





INCIDENT MANAGEMENT

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Incidents over Two Hours June/July/August 2021						
Incidents in red denote high mobility impact						
#	Date & Time	Day of Week	Main Street	Cross Street	Comments	Avg Event Dur
1	6/4/2021 10:30	Friday	MO 370 WB	PAST MO 94	Three (3) vehicle accident involving a fatality.	3:11
2	6/4/2021 14:45	Friday	I-270 NB	AT TESSON FERRY RD	Two (2) vehicle accident involving a box truck and tow truck.	2:16
3	6/4/2021 15:03	Friday	I-55 NB	PAST ROUTE Z	Single vehicle incident involving police investigation.	2:54
4	6/4/2021 23:55	Friday	I-44 WB	ON RAMP FROM I-64 WB	Single tractor trailer accident hauling 42,000 pounds of metal and involving state damage.	3:55
5	6/5/2021 0:44	Saturday	I-64 WB	TO I-44 EB	Additional entry related to single tractor trailer accident hauling 42,000 pounds of metal and involving state damage.	3:12
6	6/5/2021 1:25	Saturday	I-270 EB	PAST LINDBERGH BLVD	Three (3) vehicle accident involving two (2) motorcycles crashing into a box truck resulting in a fatality.	2:45
7	6/6/2021 20:42	Sunday	I-55 NB	PAST ROUTE Z	Single vehicle accident involving state damage.	2:16
8	6/7/2021 6:17	Monday	MO 30 WB	PAST LITTLE BRENNAN RD	Single vehicle accident involving three (3) people unresponsive.	2:58
9	6/9/2021 22:54	Wednesday	I-170 SB	ON RAMP FROM I-270 WB	Single vehicle accident involving overturned moving truck.	2:51
10	6/10/2021 9:57	Thursday	I-70 WB	AT MISSOURI RIVER	Incident involving possible jumper from bridge.	5:16
11	6/10/2021 11:15	Thursday	I-70 WB	ON RAMP FROM MO 141	Additional incident related to possible jumper event.	3:12
12	6/10/2021 11:42	Thursday	MO 141 NB	TO I-70 WB	Additional incident related to possible jumper event.	2:46



INCIDENT MANAGEMENT

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Incidents over Two Hours June/July/August 2021						
Incidents in red denote high mobility impact						
#	Date & Time	Day of Week	Main Street	Cross Street	Comments	Avg Event Dur
13	6/11/2021 14:26	Friday	I-55 SB	PAST US 67	Additional entry related to crash involving two (2) tractor trailers that caught fire.	2:06
14	6/11/2021 14:31	Friday	I-55 NB	BEFORE US 67	Crash involving two (2) tractor trailers that caught fire.	7:53
15	6/11/2021 17:35	Friday	I-55 NB	AT US 61	Two (2) vehicle accident involving concrete truck and tractor trailer carrying load of lumber.	4:48
16	6/11/2021 17:37	Friday	I-55 NB	ON RAMP FROM US 61	Additional incident related to two (2) vehicle accident involving concrete truck and tractor trailer carrying load of lumber.	4:46
17	6/12/2021 4:33	Saturday	I-55 NB	TO LOUGHBOROUGH	Single tractor trailer accident involving fire.	5:00
18	6/13/2021 0:51	Sunday	I-55 SB	AT I-44	Single vehicle accident involving two (2) fatalities.	3:53
19	6/13/2021 0:53	Sunday	I-44 EB	TO I-55 SB	Additional entry related to single vehicle accident involving two (2) fatalities.	3:52
20	6/13/2021 1:42	Sunday	I-55 SB	ON RAMP FROM MO 30	Single vehicle accident. Extended duration due to delayed tow.	3:03
21	6/14/2021 8:40	Monday	US 67 NB	AT MO 367	Single vehicle accident involving an overturned dump truck with spill cleanup.	2:33
22	6/14/2021 10:45	Monday	I-44 EB	BEFORE PARK AVE	Five (5) vehicle accident with no state damage or injuries.	4:38
23	6/16/2021 16:00	Wednesday	I-170 NB	ON RAMP FROM MO 180	Single vehicle incident involving tractor trailer whose load shifted during transport. Extended duration due to wrong tow truck being sent out.	4:37



INCIDENT MANAGEMENT

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Incidents over Two Hours June/July/August 2021						
Incidents in red denote high mobility impact						
#	Date & Time	Day of Week	Main Street	Cross Street	Comments	Avg Event Dur
24	6/17/2021 11:57	Thursday	W REAVIS BARRACKS RD CRD	I-55 SB IS	Incident involving tractor trailer with broke axle.	2:12
25	6/17/2021 19:13	Thursday	I-55 NB	AT POTOMAC ST	Incident involving debris in roadway.	2:11
26	6/18/2021 17:47	Friday	I-55 NB	TO BAYLESS AVE	Incident involving structure fire adjacent to the exit ramp.	2:26
27	6/19/2021 18:41	Saturday	I-44 WB	BEFORE BIG BEND BLVD	Single tractor trailer accident involving state damage.	3:21
28	6/22/2021 5:22	Tuesday	I-44 WB	PAST BUS 44 SIX FLAGS RD	Incident involving a tractor trailer and a box truck and spilled fuel and two (2) injuries.	5:39
29	6/23/2021 6:38	Wednesday	I-70 EB	BEFORE ZUMBEHL RD	Accident involving concrete truck carrying a full load of concrete.	5:35
30	6/23/2021 6:42	Wednesday	E 70 OR	REMINGTON BLVD CST	Additional entry related to accident involving concrete truck carrying a full load of concrete.	5:34
31	6/25/2021 3:33	Friday	US 67 SB	AT I-270	Incident involving water over the left lane.	3:35
32	6/27/2021 15:52	Sunday	I-70 WB	AT RIVERVIEW	Incident involving debris in roadway.	3:13
33	6/28/2021 22:05	Monday	I-55 SB	PAST ARSENAL ST	Incident involving two (2) vehicles and one (1) injury.	2:34
34	6/30/2021 18:44	Wednesday	I-44 EB	PAST PACIFIC	Single vehicle accident.	2:02
35	7/2/2021 21:48	Friday	I-55 SB	AT RICHARDSON RD	Single vehicle accident involving a tractor trailer.	3:04
36	7/3/2021 21:35	Saturday	MO 30 EB	PAST DELORES DR	Single vehicle accident involving a fatality.	2:27
37	7/4/2021 18:26	Sunday	I-170 SB	AT AIRPORT RD	Two (2) vehicle accident involving a vehicle going off the bridge onto Airport Rd. below.	3:57



INCIDENT MANAGEMENT

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Incidents over Two Hours June/July/August 2021						
Incidents in red denote high mobility impact						
#	Date & Time	Day of Week	Main Street	Cross Street	Comments	Avg Event Dur
38	7/4/2021 19:13	Sunday	E AIRPORT RD CST	S I-170 SB IS	Additional entry related to vehicle going off the bridge onto Airport Rd.	3:09
39	7/7/2021 0:35	Wednesday	I-270 SB	PAST BIG BEND BLVD	Incident involving two (2) pedestrians exiting their vehicle and being fatality struck.	6:25
40	7/7/2021 0:52	Wednesday	I-270 NB	PAST I-44	Additional entry related to incident involving two (2) pedestrians being fatally struck.	4:02
41	7/9/2021 18:16	Friday	I-70 WB	AT WEST FLORISSANT	Single vehicle accident involving overpass being struck by excavator.	2:44
42	7/9/2021 22:12	Friday	I-270 NB	PAST DORSETT RD	Incident involving cleaning drains.	2:01
43	7/10/2021 6:29	Saturday	I-70 EB	TO PEARTREE LN	Incident involving a search for person swept into drain.	7:58
44	7/10/2021 20:59	Saturday	I-44 WB	BEFORE JEFFERSON AVE	Incident involving cleaning drains.	2:29
45	7/10/2021 21:43	Saturday	E 180 MO	PENNSYLVANIA AVE CST	Incident involving tree removal across lanes.	3:19
46	7/12/2021 0:24	Monday	I-170 SB	AT BRENTWOOD BLVD	Two (2) vehicle accident involving struck pedestrian resulting in a fatality.	4:43
47	7/12/2021 0:37	Monday	I-170 NB	BEFORE FOREST PARK PKWY	Additional entry related to two (2) vehicle accident involving struck pedestrian.	4:26
48	7/12/2021 0:45	Monday	I-170 SB	ON RAMP FROM FOREST PARK PKWY	Additional entry related to two (2) vehicle accident involving struck pedestrian.	4:12
49	7/12/2021 1:56	Monday	I-170 SB	ON RAMP FROM LADUE	Additional entry related to two (2) vehicle accident involving struck pedestrian.	3:04
50	7/12/2021 14:54	Monday	I-55 SB	PAST BATES ST	Three (3) vehicle accident involving no injuries.	2:01



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Incidents over Two Hours June/July/August 2021						
Incidents in red denote high mobility impact						
#	Date & Time	Day of Week	Main Street	Cross Street	Comments	Avg Event Dur
51	7/14/2021 0:18	Wednesday	N RIVERVIEW DR CST	HALL ST CST	Incident involving signal head repair.	3:31
52	7/14/2021 11:41	Wednesday	I-270 NB	PAST GRAVOIS RD	Single tractor trailer accident involving spilled fuel.	4:12
53	7/14/2021 23:46	Wednesday	US 67 SB	AT ST JOHNS CHURCH RD	Accident involving downed signal.	5:23
54	7/16/2021 1:08	Friday	I-70 WB	PAST JENNINGS STA RD	Incident involving debris removal from interstate.	2:04
55	7/16/2021 9:12	Friday	MO 94 WB	PAST WOLFRUM RD	Two (2) vehicle accident involving a fatality and accident reconstruction.	2:50
56	7/16/2021 9:42	Friday	MO 94 EB	BEFORE WOLFRUM RD	Additional entry related to two (2) vehicle accident involving a fatality and accident reconstruction.	2:21
57	7/16/2021 15:38	Friday	I-270 NB	PAST DORSETT RD	Three (3) vehicle accident involving a fatality and reconstruction.	5:21
58	7/16/2021 15:56	Friday	I-270 NB	ON RAMP FROM PAGE AVE WB	Additional entry related to three (3) vehicle accident involving a fatality and reconstruction.	4:59
59	7/16/2021 15:56	Friday	I-270 NB	ON RAMP FROM PAGE AVE EB	Additional entry related to three (3) vehicle accident involving a fatality and reconstruction.	4:57
60	7/16/2021 16:57	Friday	I-270 NB	ON RAMP FROM DORSETT RD	Additional entry related to three (3) vehicle accident involving a fatality and reconstruction.	4:22
61	7/17/2021 0:54	Saturday	I-70 WB	PAST ROUTE K/M	Two (2) vehicle accident involving multiple injuries and accident investigation.	4:33
62	7/17/2021 1:46	Saturday	I-70 WB	ON RAMP FROM ROUTE K/M	Additional entry related to two (2) vehicle accident involving multiple injuries and accident investigation.	3:40



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Incidents over Two Hours June/July/August 2021						
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#	Date & Time	Day of Week	Main Street	Cross Street	Comments	Avg Event Dur
63	7/18/2021 4:11	Sunday	I-70 WB	BEFORE GOODFELLOW	Single vehicle accident involving rollover, vehicle fire, and fatality.	5:08
64	7/22/2021 11:18	Thursday	S 367 MO	JENNINGS STATION RD CST	Two (2) vehicle accident involving fatality and state damage in the form of knocked down ITS pole.	4:34
65	7/23/2021 16:51	Friday	I-55 NB	AT LINDBERGH	Single vehicle accident.	2:56
66	7/23/2021 21:36	Friday	I-70 EB	AT JENNINGS STA RD	Two (2) vehicle accident involving a pickup truck hauling a camper and state damage.	2:44
67	7/27/2021 14:59	Tuesday	I-270 NB	AT LADUE RD	Four (4) vehicle accident involving overturned dump truck, one (1) injury, and state damage, and spilled oil.	2:45
68	7/27/2021 17:22	Tuesday	I-270 NB	ON RAMP FROM LADUE RD	Additional entry related to four (4) vehicle accident involving overturned dump truck.	2:35
69	7/27/2021 22:37	Tuesday	I-64 EB	PAST I-270	Single vehicle accident involving damaged trailer.	2:53
70	7/28/2021 0:18	Wednesday	E 30 MO	WINTERNIGHT LN CST	Accident involving downed powerlines and transformer and debris on roadway.	5:36
71	7/28/2021 2:02	Wednesday	W 30 MO	WINTERNIGHT LN CST	Additional entry related to accident involving downed powerlines and transformer.	3:55
72	7/28/2021 2:41	Wednesday	I-70 EB	PAST BERMUDA RD	Single vehicle incident involving abandoned vehicle.	2:19
73	7/29/2021 5:19	Thursday	US 67 NB	PAST VICTORIA RD	Two (2) vehicle accident not on interstate system.	2:11
74	7/30/2021 15:18	Friday	US 67 NB	PAST SUMMIT AVE	Single vehicle accident involving trailer carrying skid street lodged under hauling vehicle.	3:09



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Incidents over Two Hours June/July/August 2021						
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#	Date & Time	Day of Week	Main Street	Cross Street	Comments	Avg Event Dur
75	7/31/2021 1:17	Saturday	I-270 SB	TO I-55 SB	Single vehicle accident involving overturned trailer hauling drill.	2:59
76	8/1/2021 1:59	Sunday	I-64 WB	PAST RESEARCH PARK CIR	Single vehicle accident involving fatality.	4:58
77	8/1/2021 3:23	Sunday	I-70 WB	AT BERMUDA RD	Three (3) vehicle accident involving delay in additional tows.	2:02
78	8/1/2021 19:09	Sunday	N LILAC AVE CST	I-270 EB RP	Two (2) vehicle accident involving state damage.	2:08
79	8/2/2021 8:53	Monday	I-270 WB	AT W FLORISSANT AVE	Single vehicle accident involving heavy tow.	2:47
80	8/4/2021 4:40	Wednesday	E MC KINLEY BRG CST	I-70 WB RP	Incident involving police officer shooting and continued investigation.	7:14
81	8/4/2021 4:43	Wednesday	W MC KINLEY BRG CST	I-70 WB RP	Additional entry related to incident involving police officer shooting and continued investigation.	7:11
82	8/5/2021 23:21	Thursday	I-70 WB	BEFORE BRANCH	Two (2) vehicle accident involving accident reconstructions.	2:42
83	8/6/2021 17:02	Friday	N N RT	BERNHARDT AVE CST	Incident involving downed powerlines in the roadway.	2:19
84	8/8/2021 19:34	Sunday	I-270 SB	TO I-64 WB	Overturned tractor trailer hauling livestock and debris cleanup.	6:01
85	8/8/2021 19:42	Sunday	I-270 NB	TO I-64 WB	Additional entry related to overturned tractor trailer hauling livestock	5:46
86	8/10/2021 16:22	Tuesday	I-170 NB	BEFORE AIRPORT RD	Three (3) vehicle accident involving two (2) fatalities.	3:56



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Incidents over Two Hours June/July/August 2021						
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#	Date & Time	Day of Week	Main Street	Cross Street	Comments	Avg Event Dur
87	8/10/2021 16:52	Tuesday	I-70 WB	TO I-170 NB	Additional entry related to three (3) vehicle accident involving two (2) fatalities.	3:26
88	8/10/2021 17:05	Tuesday	I-55 NB	BEFORE US 67	Single tractor trailer crash and heavy tow recovery.	2:08
89	8/10/2021 17:26	Tuesday	I-70 EB	TO I-170	Additional event related to three (3) vehicle accident involving two (2) fatalities.	2:53
90	8/12/2021 16:05	Thursday	I-70 EB	AT T R HUGHES BLVD	Four (4) vehicle accident involving no state damage and no injuries.	2:02
91	8/12/2021 18:11	Thursday	I-64 EB	AT I-170	Two (2) vehicle accident.	2:17
92	8/12/2021 18:56	Thursday	I-64 WB	BEFORE MC KNIGHT RD	Incident involving tree on the interstate.	3:54
93	8/13/2021 18:43	Friday	I-270 NB	AT MO 370	Two (2) vehicle accident involving a fatality and reconstruction.	4:11
94	8/13/2021 18:45	Friday	I-270 EB	TO 370 WB/MISSOURI BOTTOM RD	Additional entry related to single vehicle accident involving a fatality.	4:02
95	8/14/2021 11:50	Saturday	I-64 WB	BEFORE I-44	Incident involving large debris on the interstate.	4:37
96	8/14/2021 23:43	Saturday	I-55 NB	BEFORE IMPERIAL MAIN ST	Two (2) vehicle accident involving a fatality and reconstruction.	3:19
97	8/15/2021 0:06	Sunday	I-55 NB	ON RAMP FROM ROUTE M	Additional entry related to two (2) vehicle accident involving a fatality.	2:49
98	8/16/2021 19:06	Monday	MANCHESTER RD EB	PAST CLARKSON RD	Ameren UE repairing downed power lines.	9:39
99	8/18/2021 0:47	Wednesday	I-44 EB	BEFORE MO 100 WEST	Single vehicle accident involving delayed recovery.	2:19



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Incidents over Two Hours June/July/August 2021

Incidents in red denote high mobility impact

#	Date & Time	Day of Week	Main Street	Cross Street	Comments	Avg Event Dur
100	8/18/2021 20:49	Wednesday	I-270 WB	TO NEW HALLS FERRY RD	Two (2) vehicle accident involving a tractor trailer and passenger vehicle with state damage.	2:02
101	8/19/2021 5:36	Thursday	MO 364 EB	AT I-270	Incident involving bridge joint causing multiple flat tires and investigation of bridge joint.	2:34
102	8/20/2021 8:26	Friday	I-70 EB	AT ADELAIDE AVE	Two (2) vehicle accident involving a fatality and delay in accident investigation.	3:08
103	8/20/2021 10:53	Friday	I-44 WB	BEFORE I-64	Two (2) vehicle accident involving a fatality. Event delayed due to police investigation and accident reconstruction.	2:34
104	8/20/2021 11:25	Friday	I-70 EB EXPRESS LANES	AT UNION BLVD	Additional entry related to two (2) vehicle accident involving a fatality.	2:01
105	8/21/2021 18:04	Saturday	I-70 EB	TO CARRIE AVE	Single vehicle accident. Extended duration due to delayed tow.	2:11
106	8/22/2021 1:49	Sunday	MO 141 NB	AT RIDGEWOOD SCHOOL RD	Single vehicle accident involving a fatality.	2:42
107	8/23/2021 14:15	Monday	I-44 EB	PAST PACIFIC	Single tractor trailer accident.	2:03
108	8/24/2021 6:57	Tuesday	US 61 NB	TO RT A	Single vehicle accident involving rollover and fatality.	5:07
109	8/25/2021 15:46	Wednesday	I-44 EB	AT I-270	Single vehicle accident. Extended duration due to delayed tow.	2:50
110	8/25/2021 15:53	Wednesday	I-64 EB	PAST CHESTNUT ST	Single vehicle accident involving vehicle being abandoned at the end of the lane drop.	2:27



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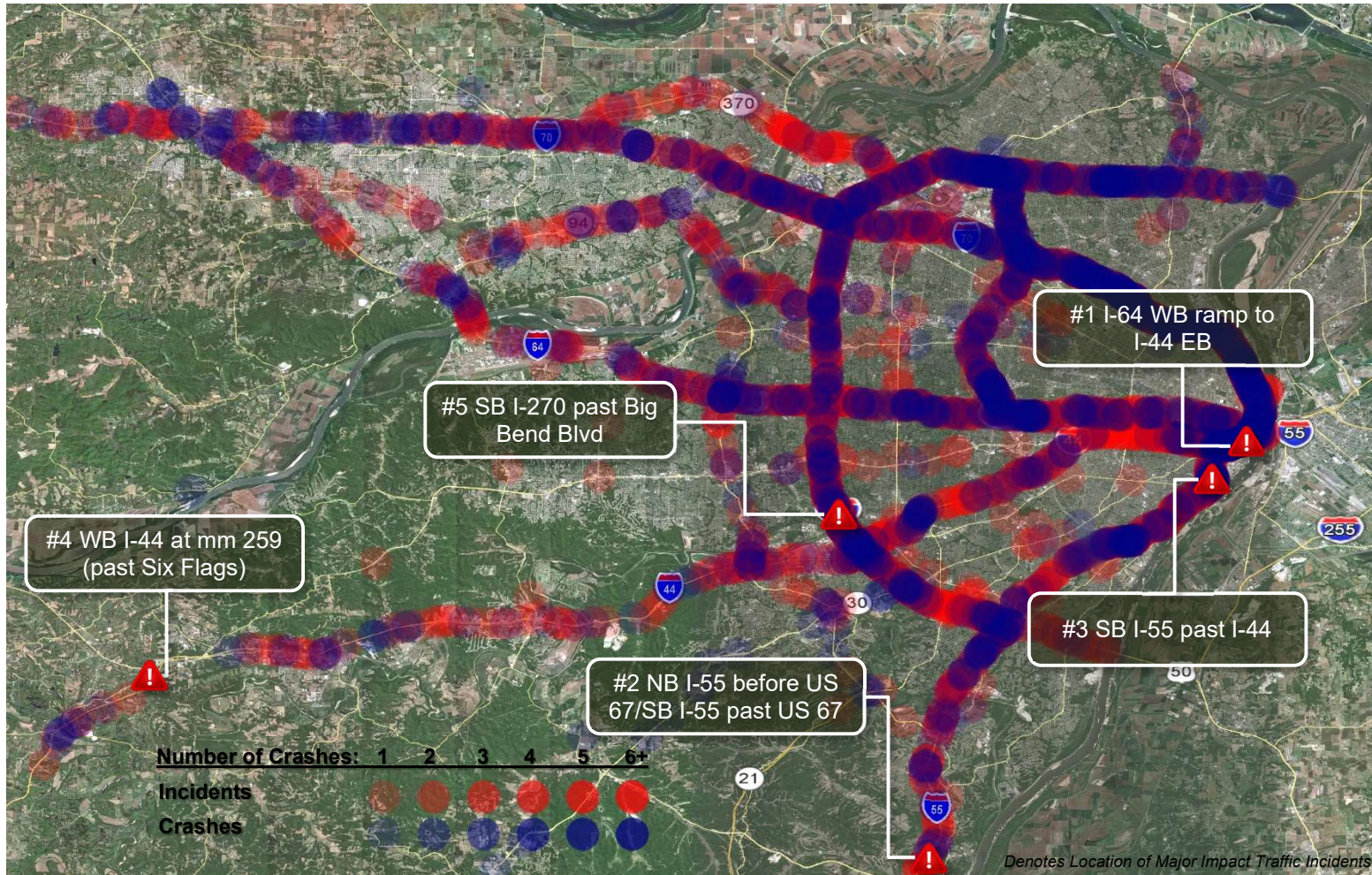
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Incidents over Two Hours June/July/August 2021						
Incidents in red denote high mobility impact						
#	Date & Time	Day of Week	Main Street	Cross Street	Comments	Avg Event Dur
111	8/26/2021 22:04	Thursday	US 67 NB	PAST SQUIRES LN	Incident involving downed tree not on mainline. Extended duration due to maintenance needing to clear tree.	2:21
112	8/27/2021 3:09	Friday	I-270 NB	TO LADUE RD	Single vehicle incident involving police chase, state damage, and police investigation.	2:26
113	8/27/2021 20:03	Friday	ROUTE K RT	ofallon rd	Two (2) vehicle accident involving three (3) injuries and one (1) fatality. Extended duration due to reconstruction.	3:05
114	8/27/2021 20:04	Friday	ROUTE K RT	Sports Park Dr.	Additional entry related to two (2) vehicle accident involving fatality.	3:05
115	8/29/2021 9:03	Sunday	I-44 WB	BEFORE GRAND BLVD	Two (2) vehicle accident involving one (1) injury and one (1) fatality. Extended duration due to reconstruction and investigation.	2:43
116	8/29/2021 9:32	Sunday	I-44 WB	ON RAMP FROM JEFFERSON AVE	Additional entry related to two (2) vehicle accident involving one (1) fatality.	2:14



June/July/August 2021 Incidents with Mobility Impact Map





Major Impact Traffic Incidents and Mitigation

#1 Date: 06/05/2021 (Saturday)

- **Time:** 11:54 PM – 3:52 AM
- **Location:** St. Louis City – I-64 WB ramp to I-44 EB
- **Event Type:** 1 Vehicle Accident – Non-Fatal
- **Estimated Initial Impact:** Non-Rush Hour: 2 of 2 travel lanes affected equals (=) 100%
- **Incident Details:** TMC received a call stating there was an overturned tractor trailer on the WB I-64 ramp to WB I-44. The load shifted inside the trailer causing it to overturn. It was carrying 42,000 pounds of metal coils.
- **Action Taken:** Two Emergency Response Units was sent to the assist with traffic control. The TMC contacted Illinois Dept. of Transportation for any available DMS boards. For safety purposes, PD decided to close the WB I-64 ramp to I-44 EB also. The duration of the incident was extended due to tow offloading the coils and vehicle retrieval. There was no traffic queue due to traffic the time of day.
- **Event Duration:** 3 hours 57 minutes – WB & 3:12 – EB

	I-64 WB ramp to I-44 WB	Left Shoulder	Lane 1	Lane 2
			Closed Hours/Minutes	03:57

	I-64 WB ramp to I-44 EB	Left Shoulder	Lane 1	Right Shoulder
			Closed Hours/Minutes	03:12






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#2 Date: 6/11/2021 (Friday)

- **Time:** 2:30 PM – 22:23 PM**Non-Fatal**
- **Location:** Jefferson County– Northbound I-55 before US 67/Southbound I-55 past US 67
- **Event Type:** 2 Vehicle Accident with Vehicle Fire (NB)
Emergency Vehicles (SB)
- **Estimated Initial Impact:** Rush Hour: 2 of 2 lanes affected equals (=) 100% Both Directions
- **Incident Details:** TMC operators overheard radio traffic regarding a 2-vehicle accident involving 2 tanker trucks resulting in vehicle fire. After checking the cameras, the TMC operators verified all lanes of traffic were closed NB I-55 before US 67 and SB I-55 past US 67. Fire, EMS, and Police were already on scene. Festus Police called and advised of the accident and requested that traffic be diverted.
- **Action Taken:** TMC operators entered the event into ATMS, activated a floodgate, activated DMS boards and advised the ER supervisor. EOC, Community Relations, and Motor Carriers were notified. An Incident Alert was sent to management with hourly updates regarding the closure. Upon notification of the ER Supervisor, 5 ER Operators responded to the area. One ER operator staged on the SB side to help PD divert to US 67. The SB Lanes were closed for safety precautions due to the fire. Four Operators responded to the NB side for traffic control. Upon ER's arrival, they reported one Semi was hauling Lumber and the other was hauling ready concrete mix. Two ER Operators from the NB side responded to I-55 NB at US 61 to divert traffic off to US 61. A CBB engineer was notified to adjust the signals at 55 and US 61. DeSoto Maintenance was dispatched to the scene due to severe pavement damage. Upon arrival, maintenance personnel advised a two to six hour extended duration of removal of the semi's and clean up. Once the semi's were removed from Lane one, the roadway were temporarily patched so that the roadway could re-open. An Additional Heavy Tow/Rotator arrived to assist with loading the second trailer off the roadway which added to the duration. Once the tow loaded the second trailer, it departed SB in the NB lanes to US 61. Traffic Queued approximately 8.8 Miles but returned back to normal once all lanes were opened.
- **Event Duration:** 07 hours and 52 minutes.

	Northbound I-55 Before US 67	LS	Lane1	Lane2	RS
		Closed Hours/Minutes			
		7:03	7:03	7:03	7:43






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#3 Date: 06/13/2021 (Sunday)

- **Time:** 12:51 AM – 4:44 AM
- **Location:** St Louis City – Southbound I-55 past I-44
- **Event Type:** Fatality Crash
- **Estimated Initial Impact:** Non-Rush Hour: 3 of 4 lanes affected equals (=) 75%
- **Incident Details:** A crash on Gravois over I-55 resulted in one vehicle ending up on the interstate below. Two confirmed fatalities.
- **Action Taken:** The TMC confirmed the incident via CCTV. TMC operators entered the event into ATMS, activated appropriate DMS and dispatched an ER operator to assist with traffic control. Police also closed the ramp from I-44 EB onto I-55 SB. There was a minor queue. Event duration due to nature of the incident and subsequent investigation.
- **Event Duration:** 03 hours and 53 minutes.


	Southbound I-55 Past I-44	LS	Lane 1	Lane 2	Lane 3	Lane 4	RS
Closed Hours/Minutes		0:00	0:00	3:53	3:53	3:53	3:53





#4 Date: 06/22/2021 (Tuesday)

- **Time:** 05:22 AM – 11:01 AM
- **Location:** Eureka– Westbound I-44 at mm 259 (past Six Flags)
- **Event Type:** 2 Vehicle Accident with Injuries reported
- **Estimated Initial Impact:** Rush Hour: 2 of 3 travel lanes affected equals (=) 66%
- **Incident Details:** It was reported that there was a 2-vehicle accident involving a Tractor-Trailer.
- **Action Taken:** Operators overheard on the scanners that there was an accident. The operators pulled the accident up on camera's and began entering an event. Eureka Fire Department arrived on scene blocking Lane 3 and closed Lane 2 when Highway Patrol/EMS arrived on scene. ER arrived on scene and assisted with traffic control. Dispatch was then advised that the Tractor Trailer that was involved was carrying US Postal Mail. The US Postal Service was advised; they sent a representative to the scene. The Center Lane re-opened with positioning of Emergency Vehicles. Tow arrived at scene along with the US Postal Service Rep and we were able to clear the scene shortly after they were able to mark the mail as secured. The MoDOT Incident Management Coordinator, Motor Carriers, EOC, and Communication Staff were all notified. An incident alert, update and cleared were used to advise management of the closure. Traffic queued just over a ½ mile but returned to normal during the duration of the event.
- **Event Duration:** 5 hours 39 minutes

	Westbound I-44 at MM 259	Left Shoulder	Lane 1	Lane 2	Lane 3	Right Shoulder
Closed Hours/Minutes		0:00	0:00	1:44	5:39	5:39





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#5 Date: 07/07/2021 (Wednesday)

- **Time:** 12:35 AM – 6:47 AM
- **Location:** St Louis County – Southbound I-270 past Big Bend Blvd
- **Event Type:** Fatality Crash X3
- **Estimated Initial Impact:** Non-Rush Hour: 4 of 4 lanes affected SB equals (=) 100%
3 of 4 lanes affected NB equals (=) 75%
- **Incident Details:** A crash between a passenger vehicle and a tanker truck resulted in two fatalities inside the passenger vehicle, An additional pedestrian fatality occurred when the driver of the tanker was struck by a third passenger vehicle. The tanker was reportedly carrying oil but there was no leak.
- **Action Taken:** The TMC confirmed the incident via CCTV. TMC operators entered the event into ATMS, activated appropriate DMS and dispatched three ER operators to assist with traffic control. SB traffic was detoured onto the Big Bend Blvd exit. Police also requested the three left lanes NB be closed to limit the view of the SB scene. There was a 0.25-mile queue SB. No queue NB. Event duration due to nature of the incident and subsequent investigation.
- **Event Duration:** 6 hours and 12 minutes.

	Southbound I-270 Past Big Bend	LS	Lane 1	Lane 2	Lane 3	Lane 4	RS
		Closed Hours/Minutes		6:12	6:12	6:12	6:12
	Northbound I-270 Before Big Bend	LS	Lane 1	Lane 2	Lane 3	Lane 4	RS
		Closed Hours/Minutes		4:02	4:02	2:47	2:47

