ANNUAL REGIONAL CONGESTION REPORT (2017)

Background

A Congestion Management Process (CMP) is required in metropolitan areas classified as Transportation Management Areas (TMAs).

The CMP is an ongoing process to identify & quantify regional congestion, and to develop and implement strategies to reduce congestion.

The CMP specifies that we develop an annual report on regional congestion.

Selecting Congested Locations

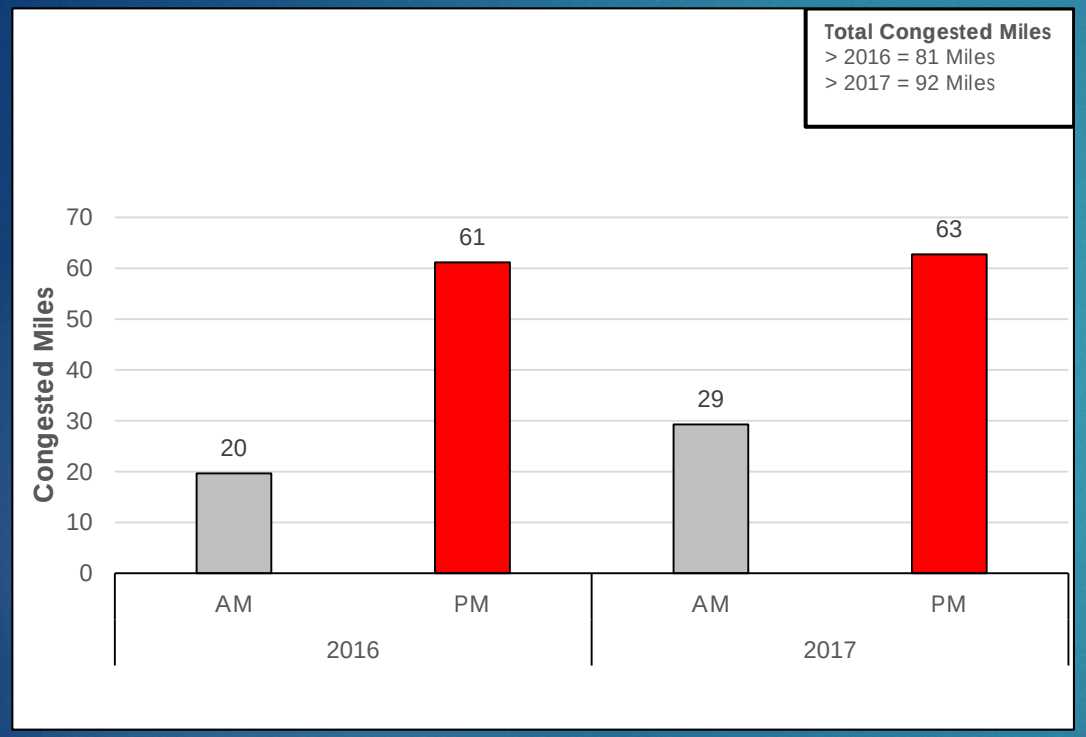
- Analyzed National Highway System Roads
- Compiled data for the entire year
- Analyzed AM and PM Peak Periods
  - 6-9 AM Every Weekday
  - 3-6 PM Every Weekday
- Applied "Speed Index" thresholds
- Identified Segments that exceeded congestion thresholds
  - Moderate, Heavy & Severe Congestion

Congested Locations Identified

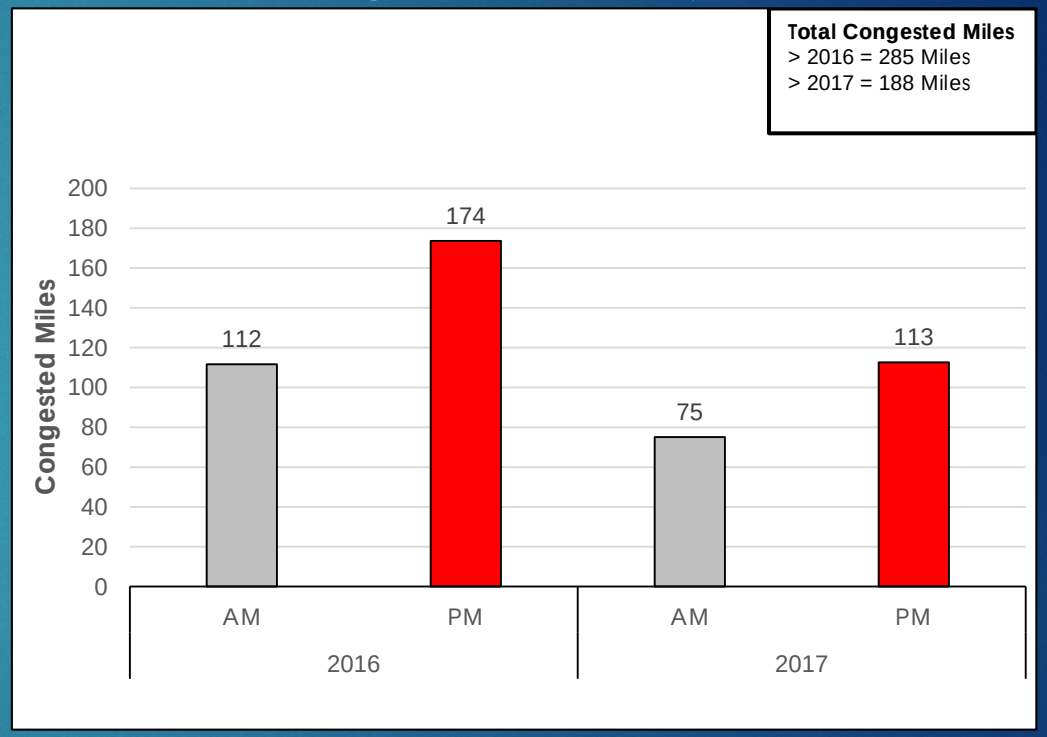
No.	Road	2016	2017
1	Arterials	38	59
2	Freeways	37	32
	TOTAL	75	91

Regional Congested Locations

Arterials (2016-17)



Freeways (2016-17)



Changes in Freeway Miles of Congestion

Freeways (2016-17)

No.	Route	2016	2017	% Change
1	I-44	35.17	15.41	-56%
2	I-55	24.16	2.89	-88%
3	I-64	61.54	54.84	-11%
4	I-70	64.90	42.88	-34%
5	I-170	20.16	13.00	-36%
6	I-270	59.03	47.29	-20%
TOTAL		265	176	-33%

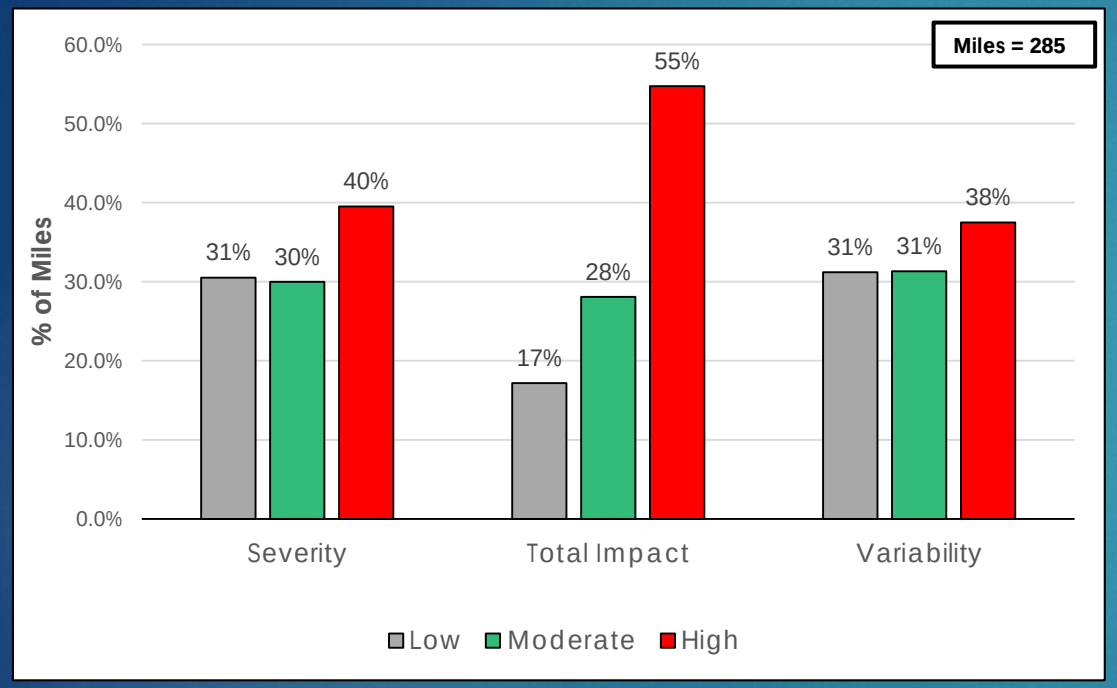
Note a significant reduction of congested miles on Freeway corridors from 265 congested miles in 2016 to 176 congested miles in 2017.

Why? Active Construction Projects on the Freeways.

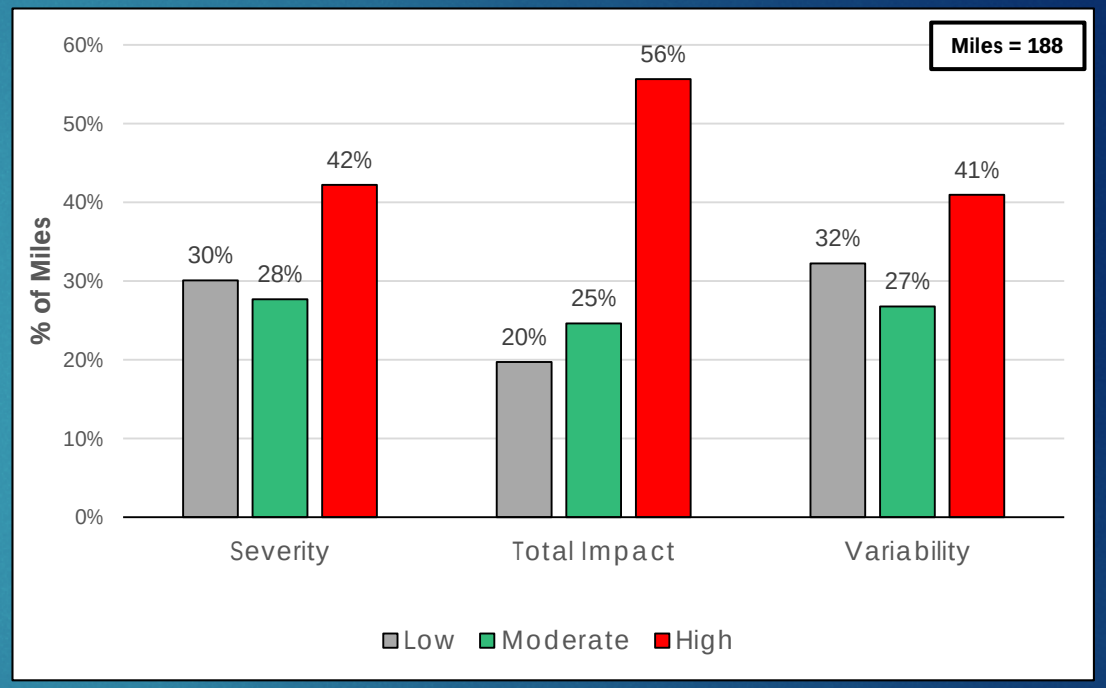
11 work zones impacted congestion on parts of the I-44, I-55, I-64, I-70, I-170 corridors in 2016.
Only 3 work zones impacted congestion on parts of the I-44 and I-64 corridors in 2017
Completion of added lanes EB and WB on I-64 west of I-270 on I-64 in 2016 reduced congestion.

Ranking Congested Locations

2016 Freeways



2017 Freeways



Top Congested Arterial Locations (2 Years)

Severity (2016-17)					
No.	Route	Limits	Dir.	State	Peak
1	HAMPTON AVE	I-64/US-40 to I-44	SB	MO	PM
3	JEFFERSON	I-64/US-40 to I-44	SB	MO	PM
2	HANLEY	Shaw Park Dr to I-64/US-40/Eager Rd	SB	MO	PM

Total Impact (2016-17)					
No.	Route	Limits	Dir.	State	Peak
1	US-67	I-270 to Old Halls Ferry Rd	NB	MO	PM
2	MO-94	I-64/US-40/US-61 to Mid Rivers Mall Dr	NB	MO	PM
3	MO-D	I-170 to Schuetz Rd	WB	MO	PM
4	MO-K	I-70 to MO-364	SB	MO	PM

Top Congested Freeway Locations (2 Years)

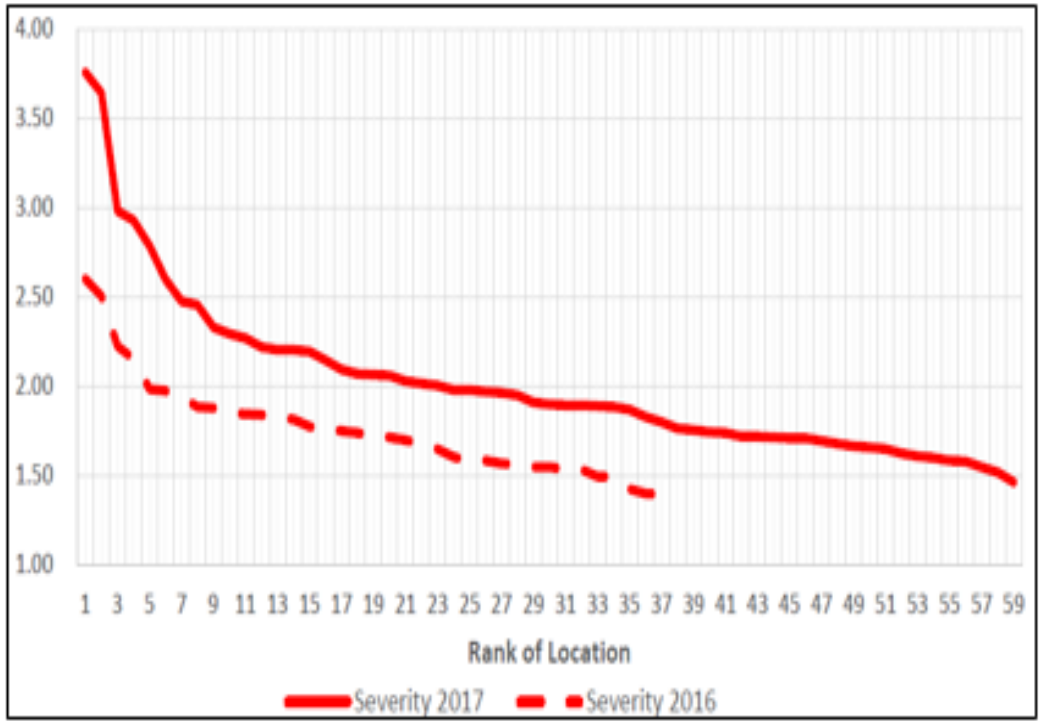
Severity (2016-17)					
No.	Route	Limits	Dir.	State	Peak
1	I-55	Grand Ave/Exit 247 to I-44/I-55/Gravois/Exit 207	EB-SB	MO	PM
2	I-64	Kingshighway/Exit 36 to I-55/I-70/US-40	EB	MO	PM
3	I-64	Kingshighway/Exit 36 to I-170/Brentwood Blvd/Exit 31	WB	MO	AM
4	I-270	I-55/I-255/Exit 1 to I-64/US-40/US-61/Exit 12	NB	MO	AM
5	I-270	I-70 to I-55/I-255/Exit 1	SB	MO	PM
6	I-270	McDonnell Blvd/Exit 23 to MO-367/Exit 31	EB	MO	PM

Total Impact (2016-17)					
No.	Route	Limits	Dir.	State	Peak
1	I-64	MO-K to I-70	WB	MO	PM
2	I-64	Chesterfield Pky/Exit 20 to McCausland Ave/Exit 33	EB	MO	PM
3	I-70	Cave Springs/Exit 225 to Natural Bridge Rd/Exit 237/Exit 238	EB	MO	AM
4	I-270	I-70 to I-55/I-255/Exit 1	SB	MO	PM
5	I-270	I-55/I-255/Exit 1 to I-64/US-40/US-61/Exit 12	NB	MO	AM
6	I-270	McDonnell Blvd/Exit 23 to MO-367/Exit 31	EB	MO	PM

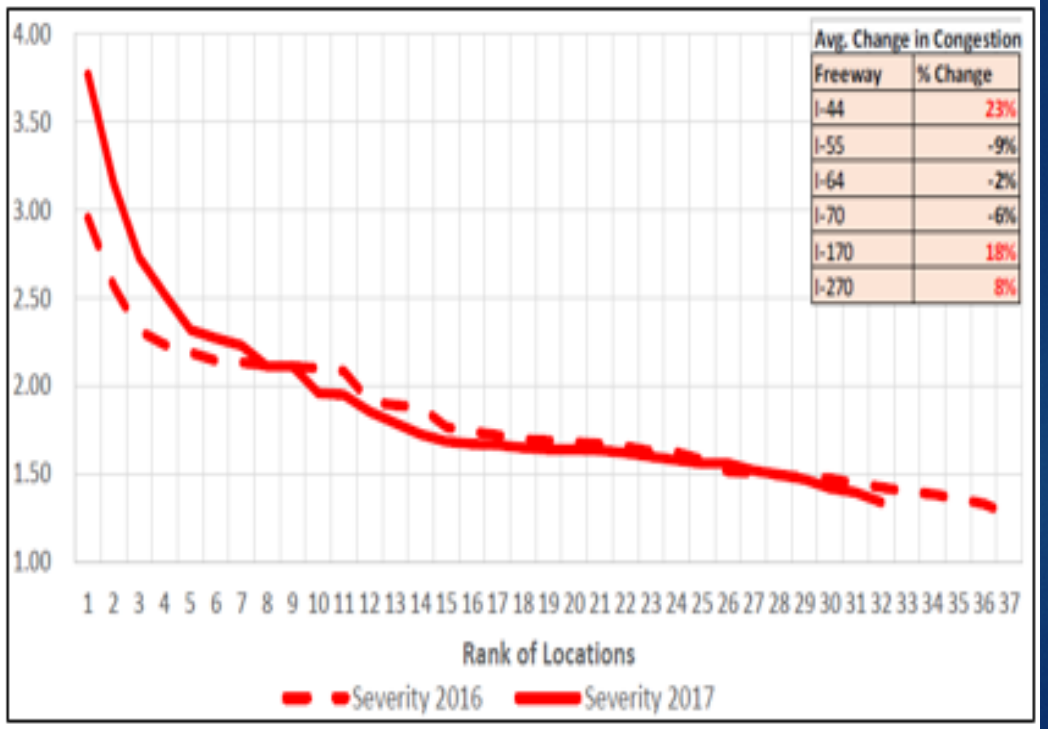
Freeway Rankings (Overall)

- **Severity of Congestion**

Arterials



Freeways



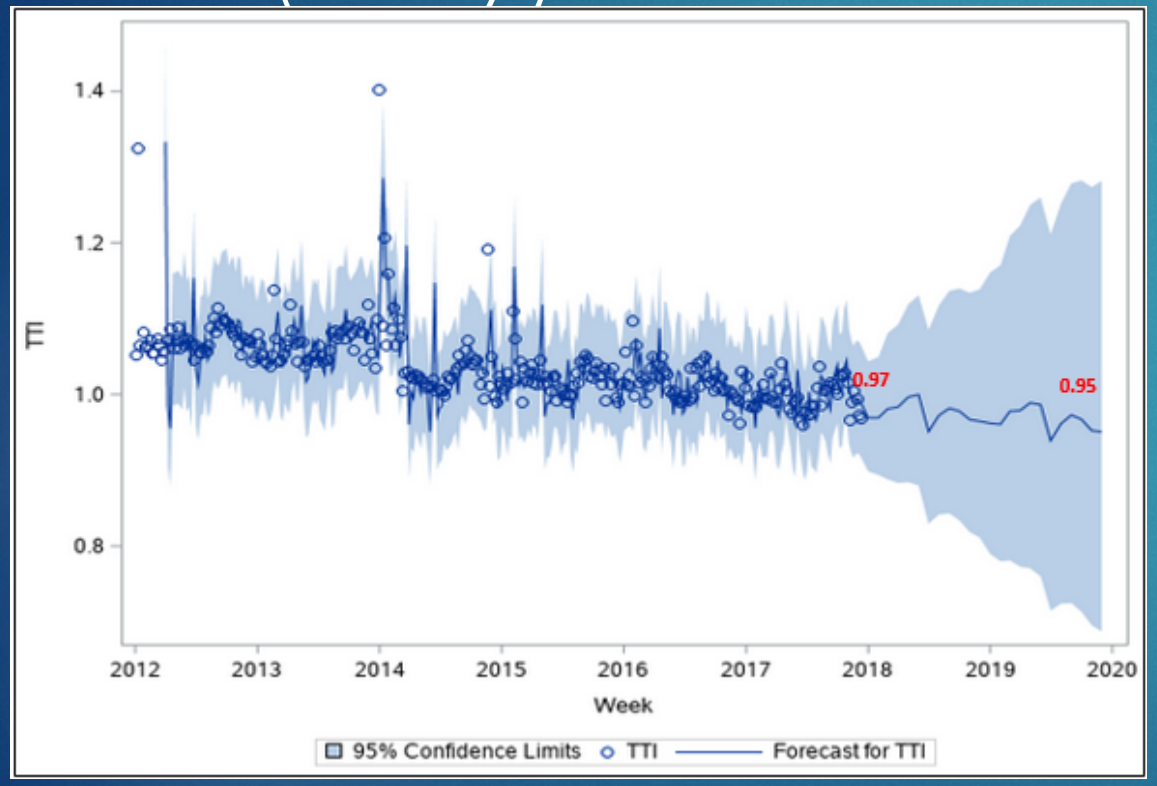
Avg. Change in Congestion

Freeway	% Change
I-44	23%
I-55	-9%
I-64	-2%
I-70	-6%
I-170	18%
I-270	8%

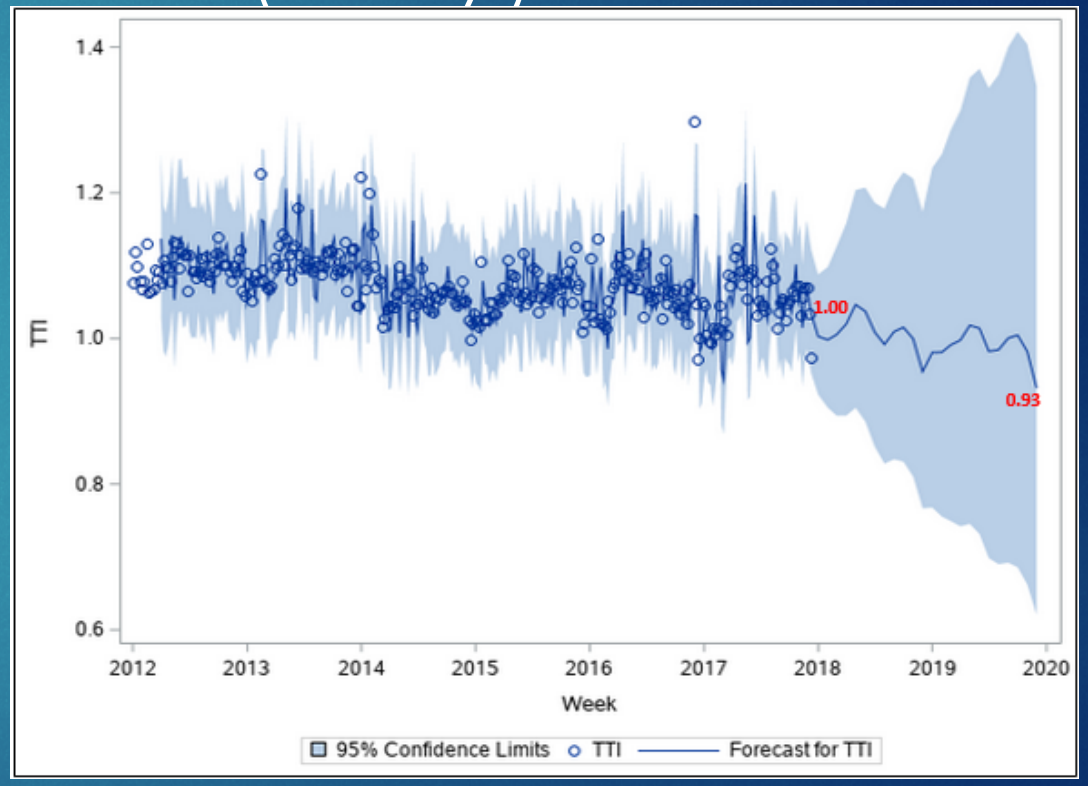
Congested Locations Trend Analysis

- Travel Time Index Trends and Forecast

AM Peak (Freeways)



PM Peak (Freeways)



The Entire Report is Available on EWG's Website:

https://www.ewgateway.org/transportation-planning/transportation-systems-management-operations/congestion-management-process/

Thank You!
Questions?