



CHITTENDEN COUNTY RPC

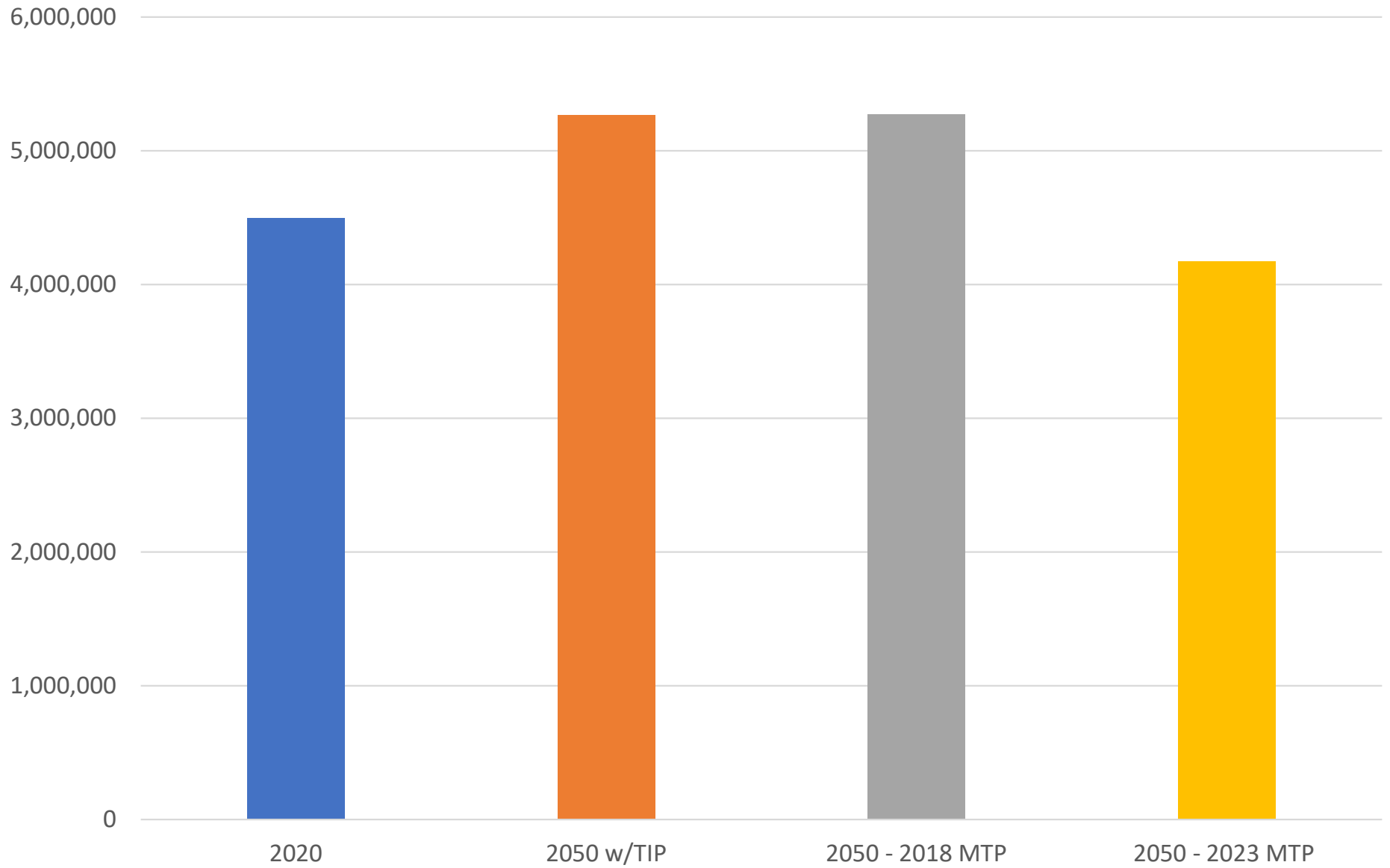
Communities Planning Together

2023 MTP Modeling Results

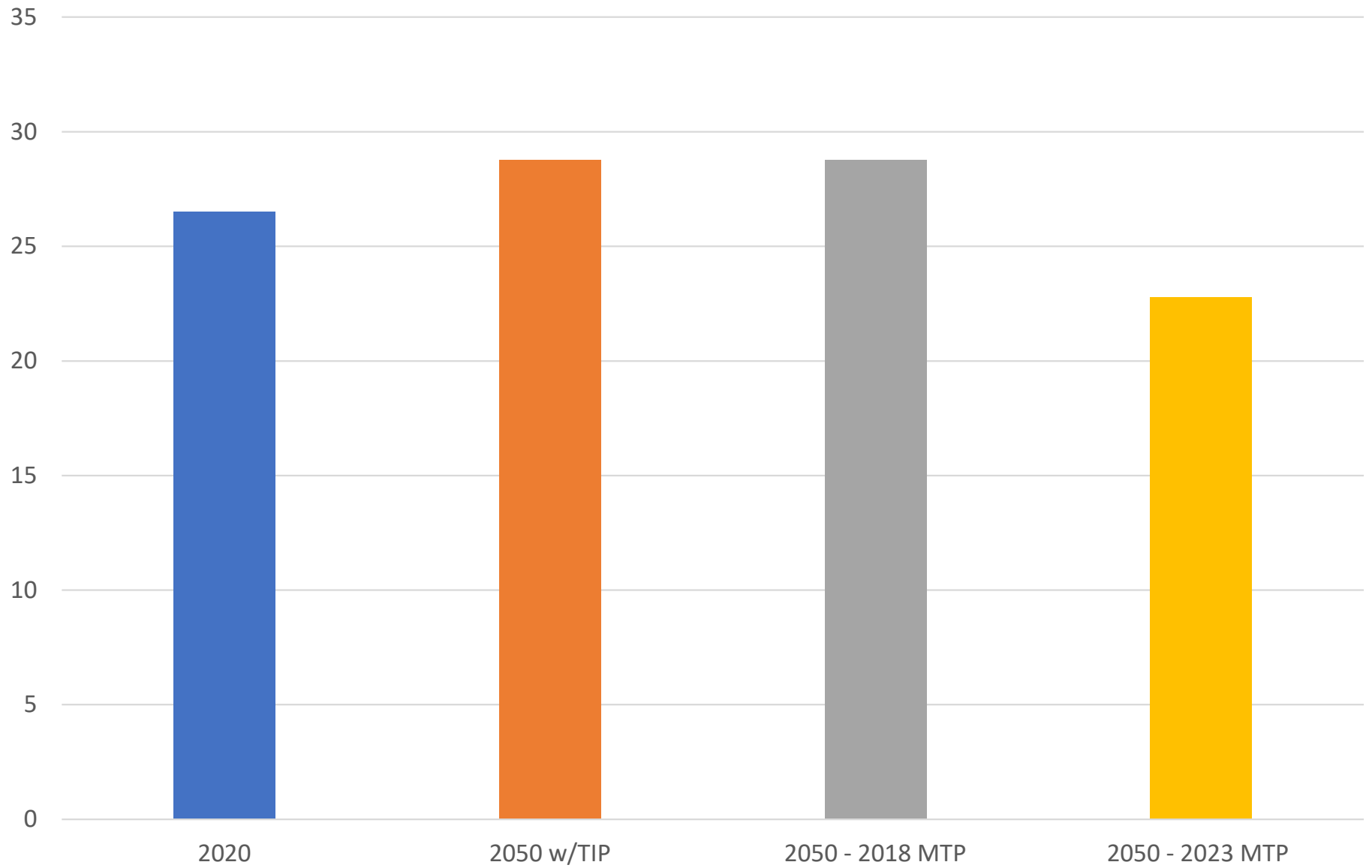
CCRPC TAC

November 1, 2022

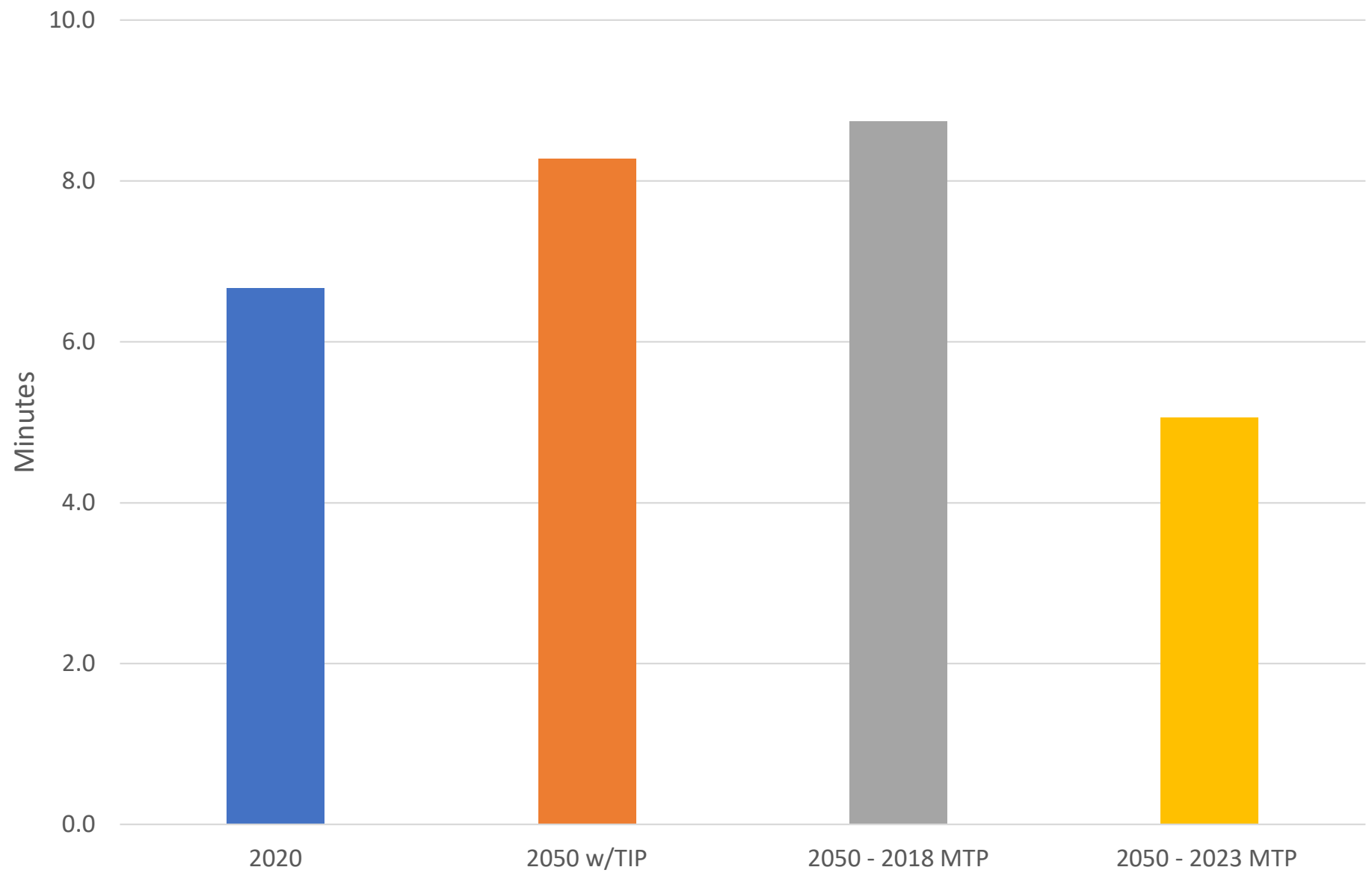
Countywide Daily Vehicle Miles Traveled



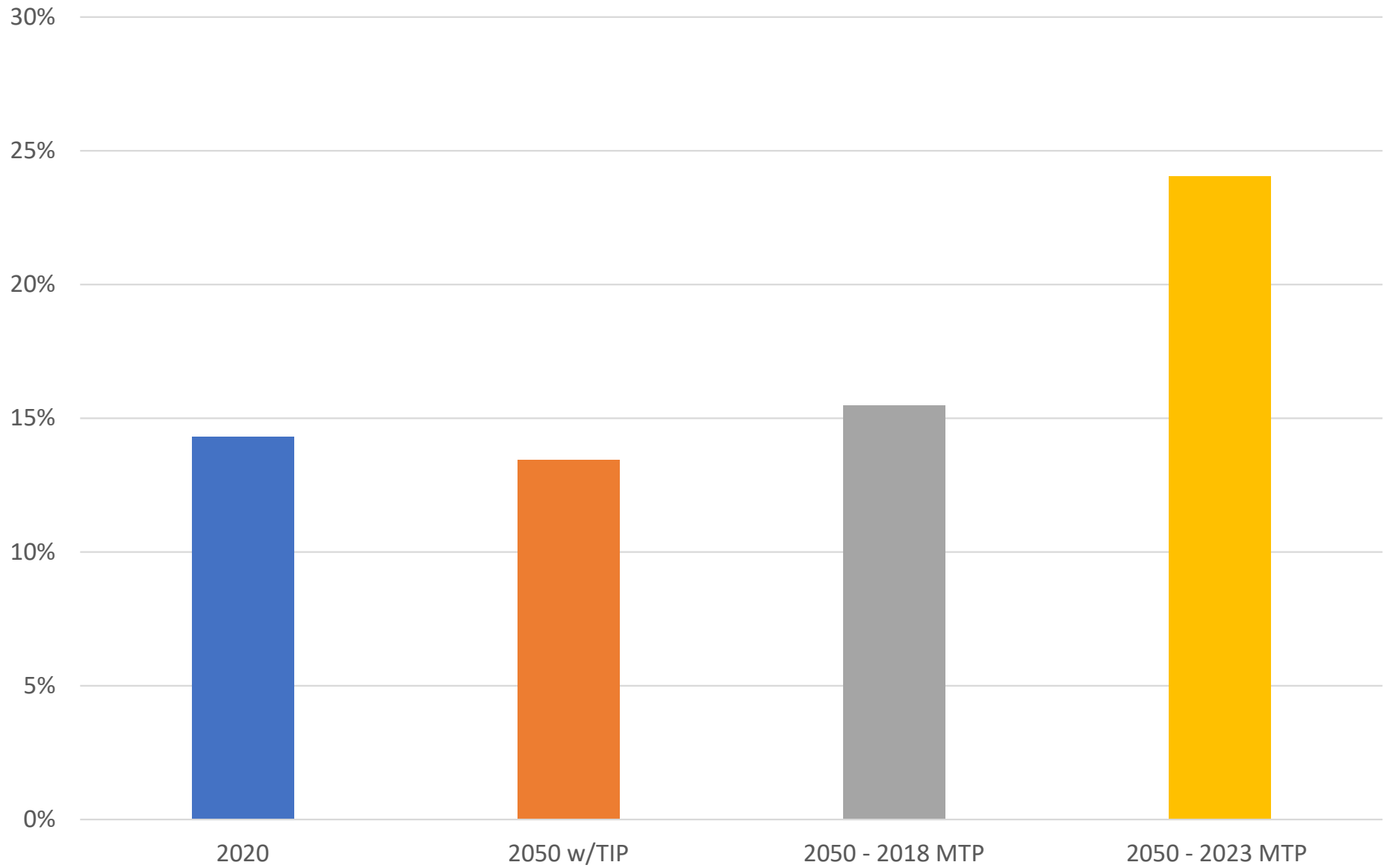
Countywide Daily Vehicle Miles Traveled per Capita



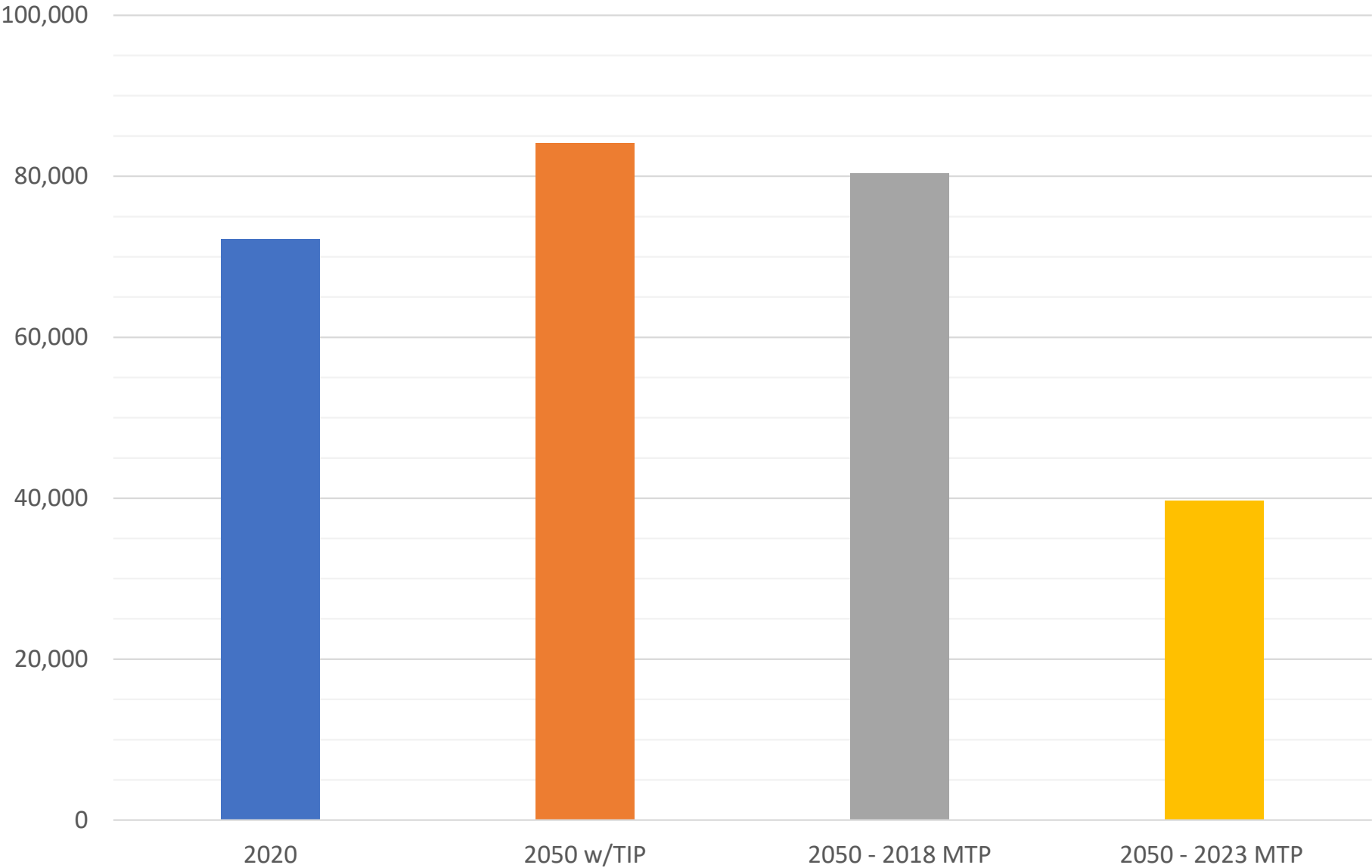
Countywide Daily Delay per Capita



Countywide Daily Transit, Walking, & Biking Mode Split

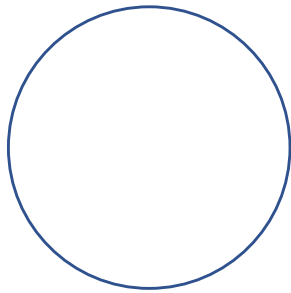


Countywide Daily Vehicle Work Trips

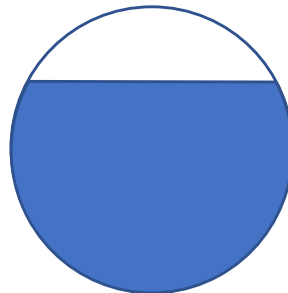


Volume to Capacity Ratio

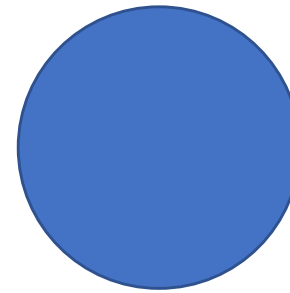
$$\frac{\text{Volume of Vehicles}}{\text{Roadway Capacity}} = \text{v/c ratio}$$



Empty Pipe or
Roadway
v/c ratio of 0.0



70% full Pipe
or Roadway
v/c ratio of 0.7

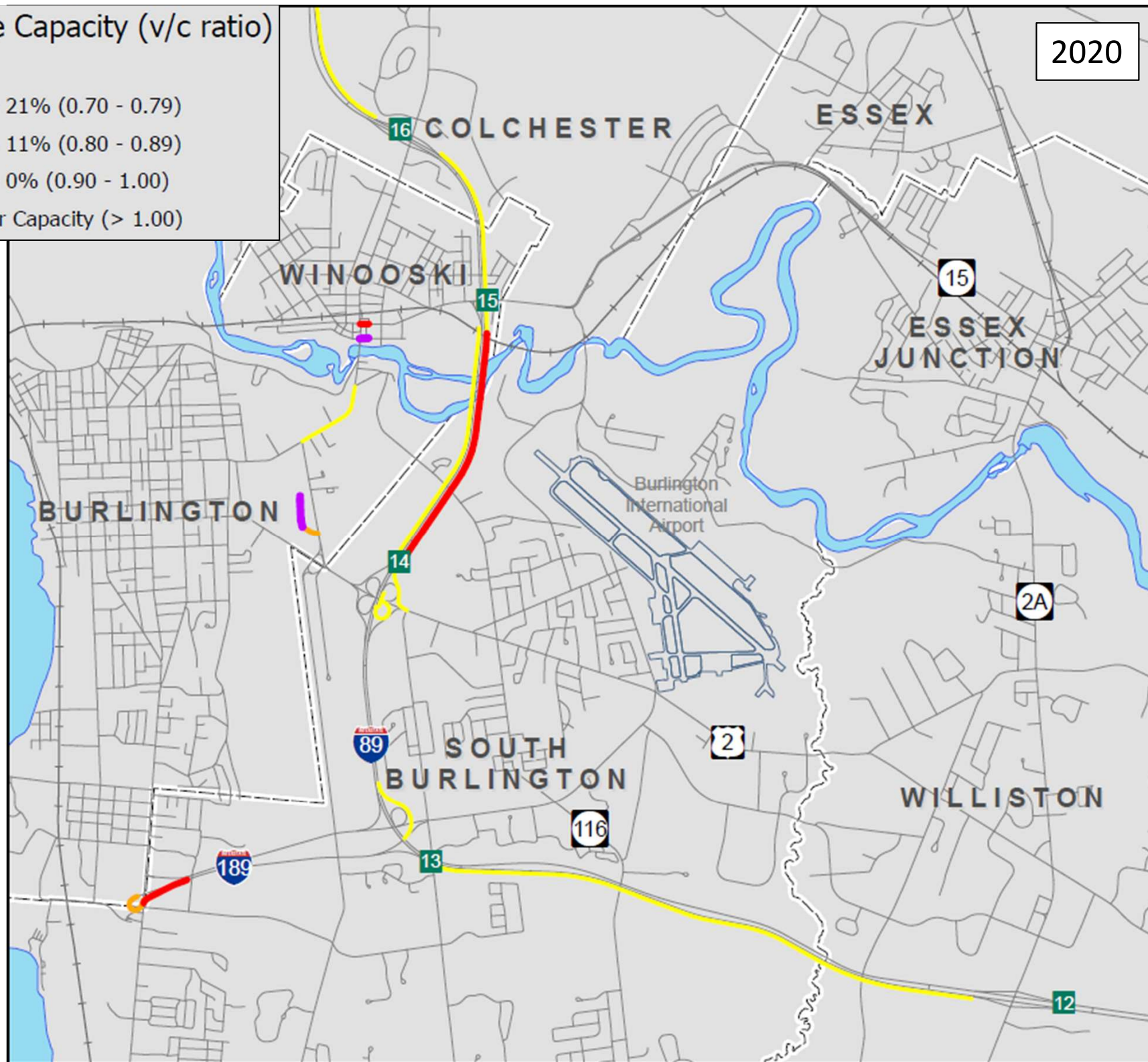


Full Pipe
No Reserve Capacity
v/c ratio of 1.0

Available Capacity (v/c ratio)

2020

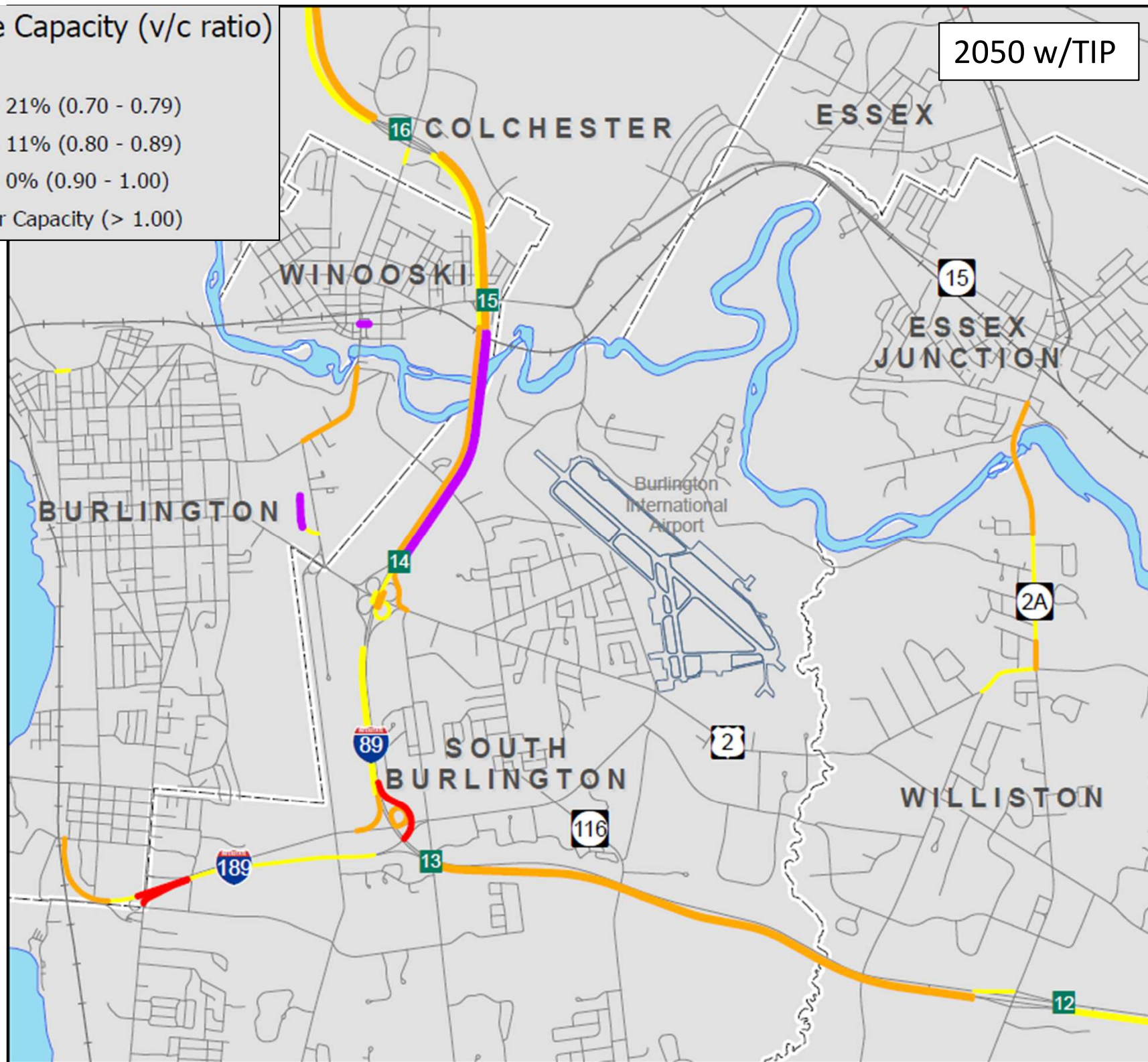
- 30 - 21% (0.70 - 0.79)
- 20 - 11% (0.80 - 0.89)
- 10 - 0% (0.90 - 1.00)
- Over Capacity (> 1.00)



Available Capacity (v/c ratio)

2050 w/TIP

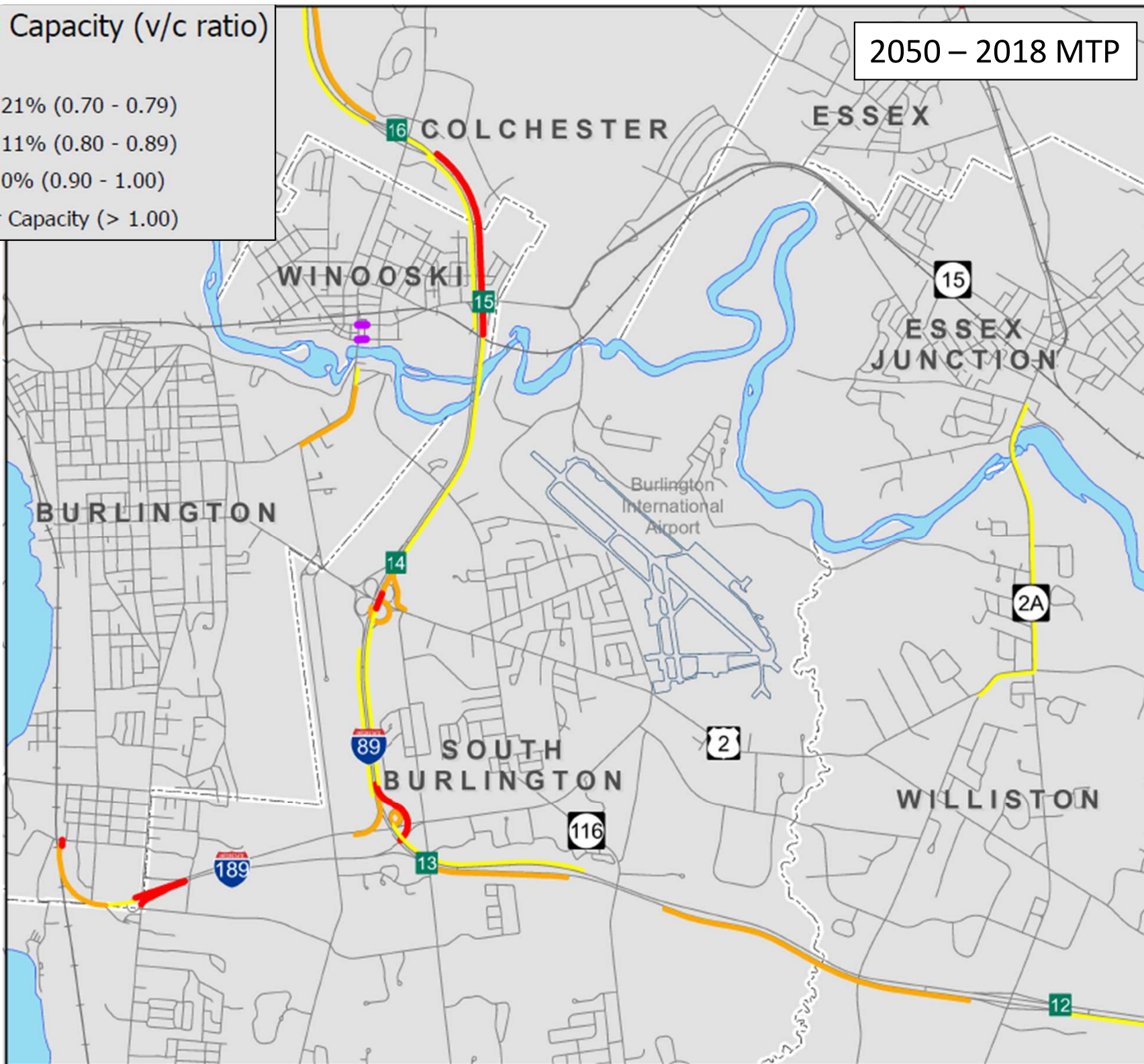
- 30 - 21% (0.70 - 0.79)
- 20 - 11% (0.80 - 0.89)
- 10 - 0% (0.90 - 1.00)
- Over Capacity (> 1.00)



Available Capacity (v/c ratio)

2050 – 2018 MTP

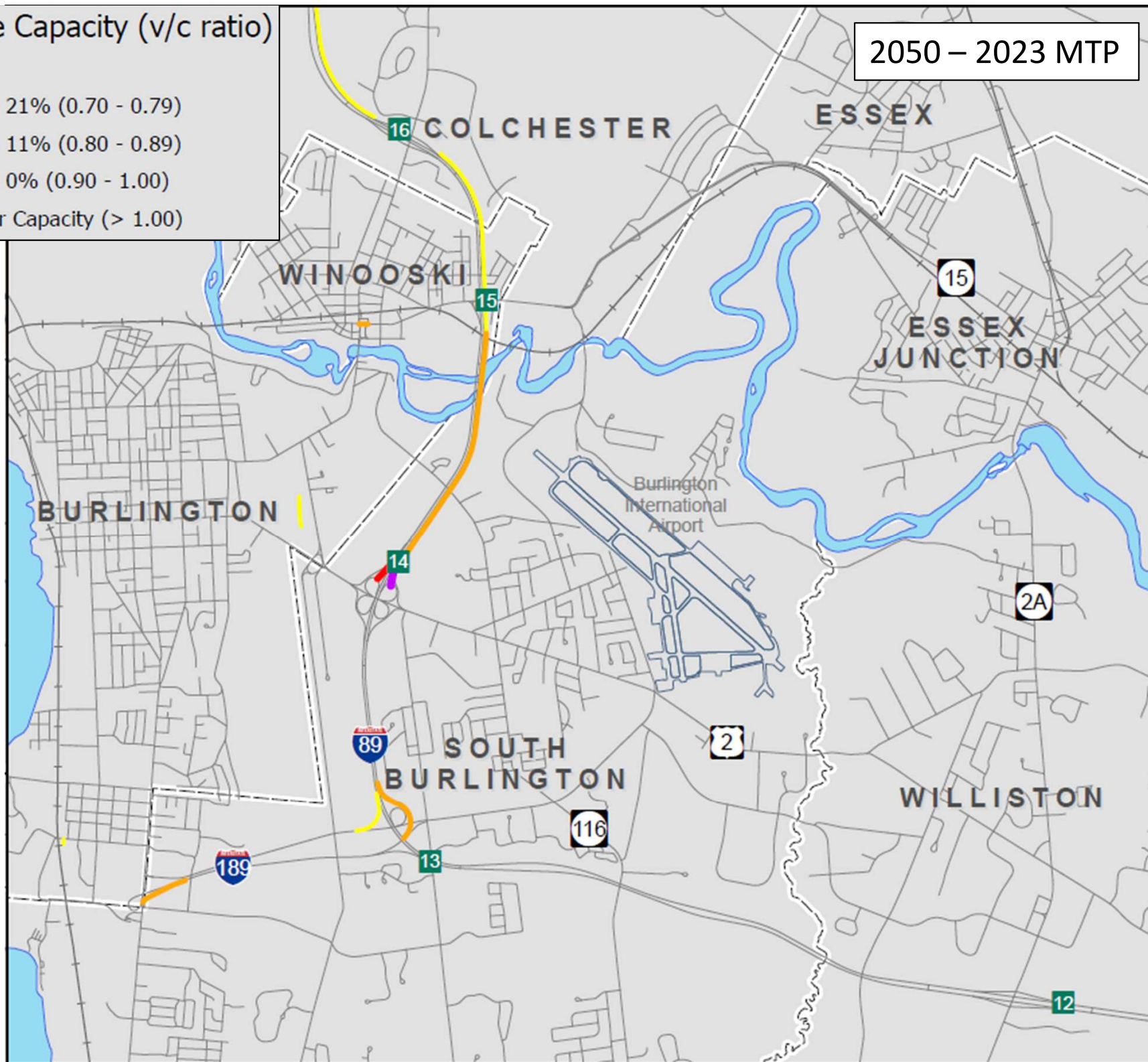
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- 20 - 11% (0.80 - 0.89)
- 10 - 0% (0.90 - 1.00)
- Over Capacity (> 1.00)



Available Capacity (v/c ratio)

2050 – 2023 MTP

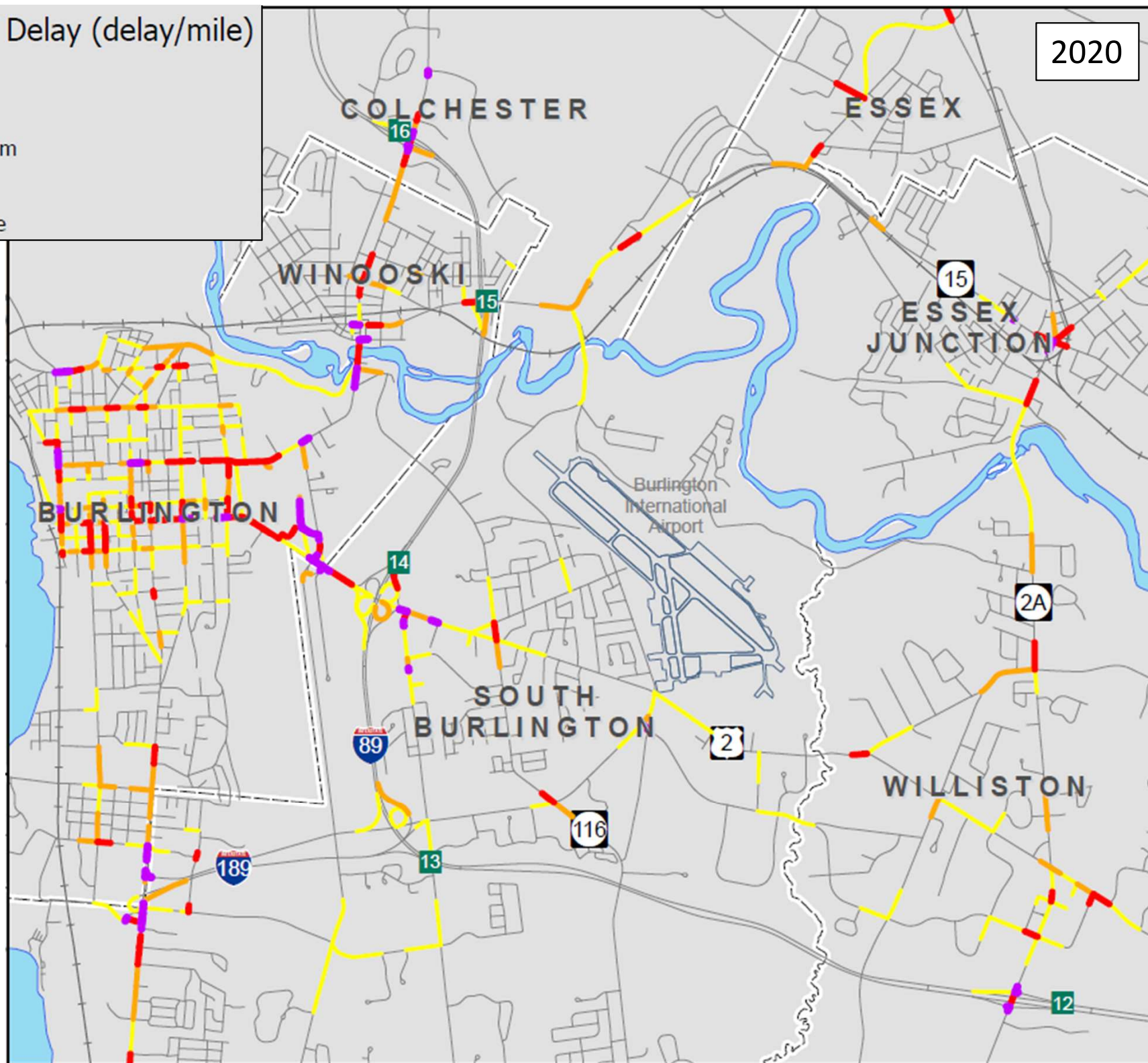
- 30 - 21% (0.70 - 0.79)
- 20 - 11% (0.80 - 0.89)
- 10 - 0% (0.90 - 1.00)
- Over Capacity (> 1.00)



Levels of Delay (delay/mile)

- Low
- Medium
- High
- Severe

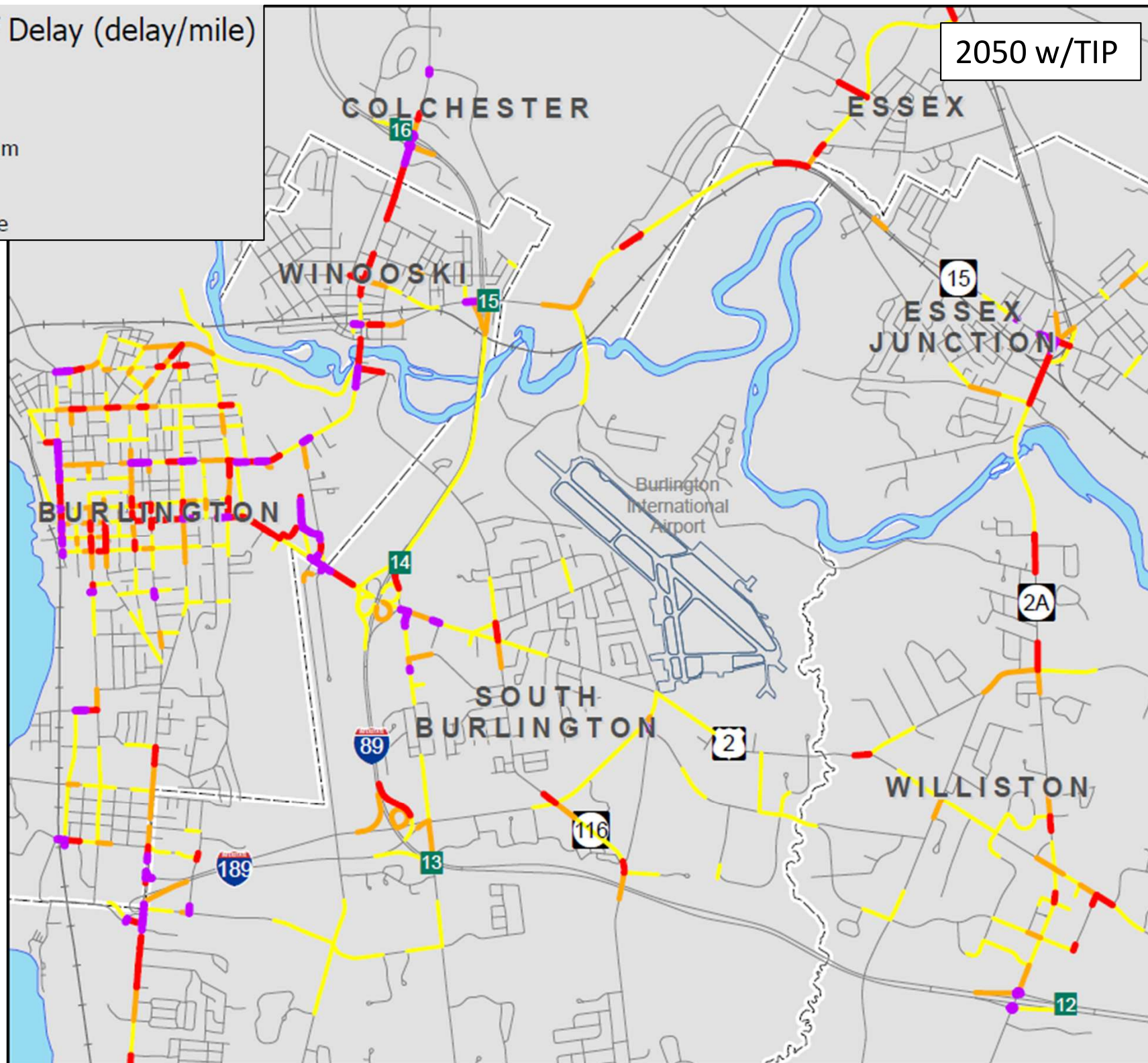
2020



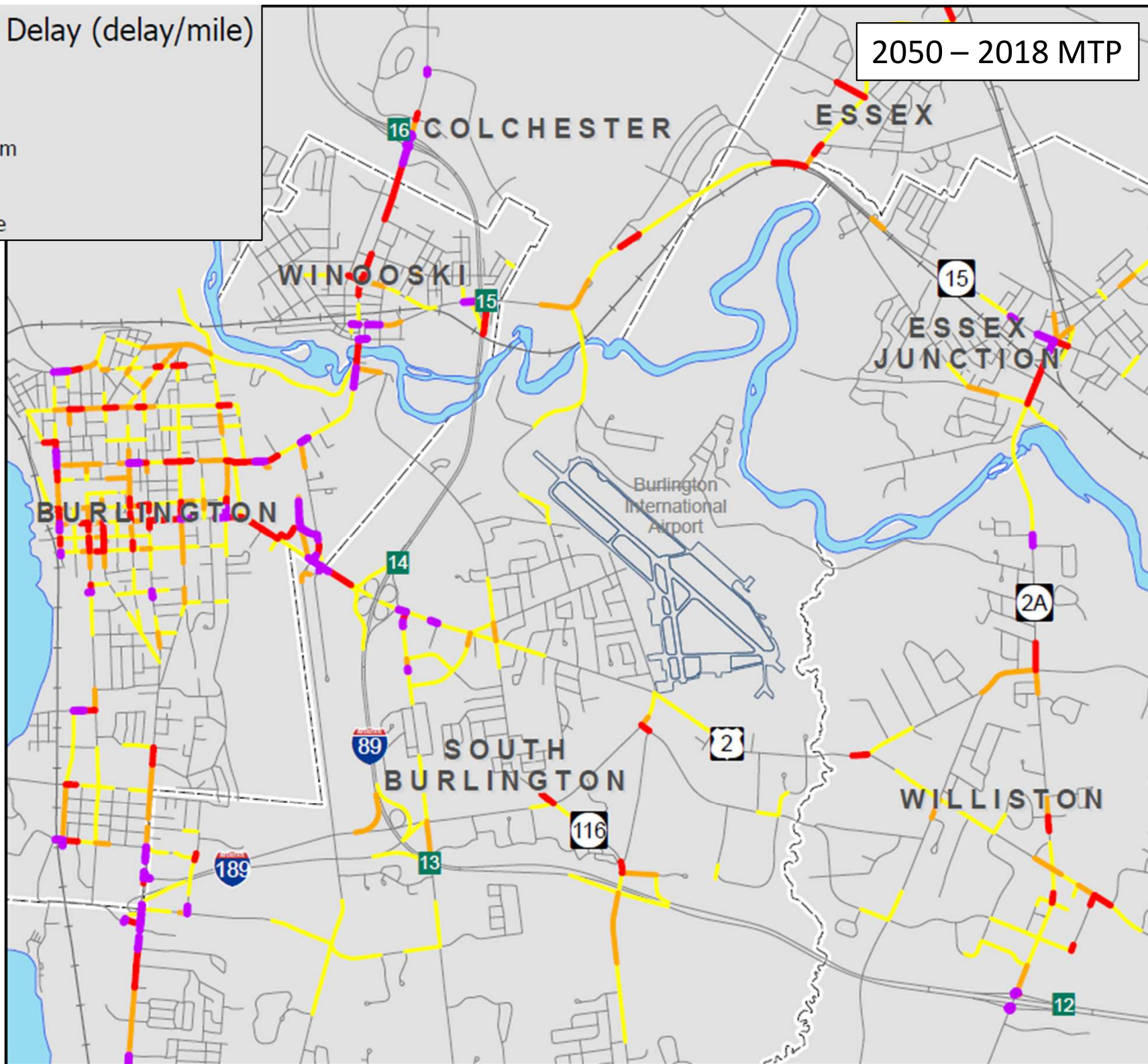
Levels of Delay (delay/mile)

- Low
- Medium
- High
- Severe

2050 w/TIP



2050 – 2018 MTP



2050 – 2023 MTP

