Statewide Safety Performance Targets - 2024

Transportation Advisory Committee
February 06, 2024

Chittenden County RPC

VTrans 2024 Safety Measures and Targets

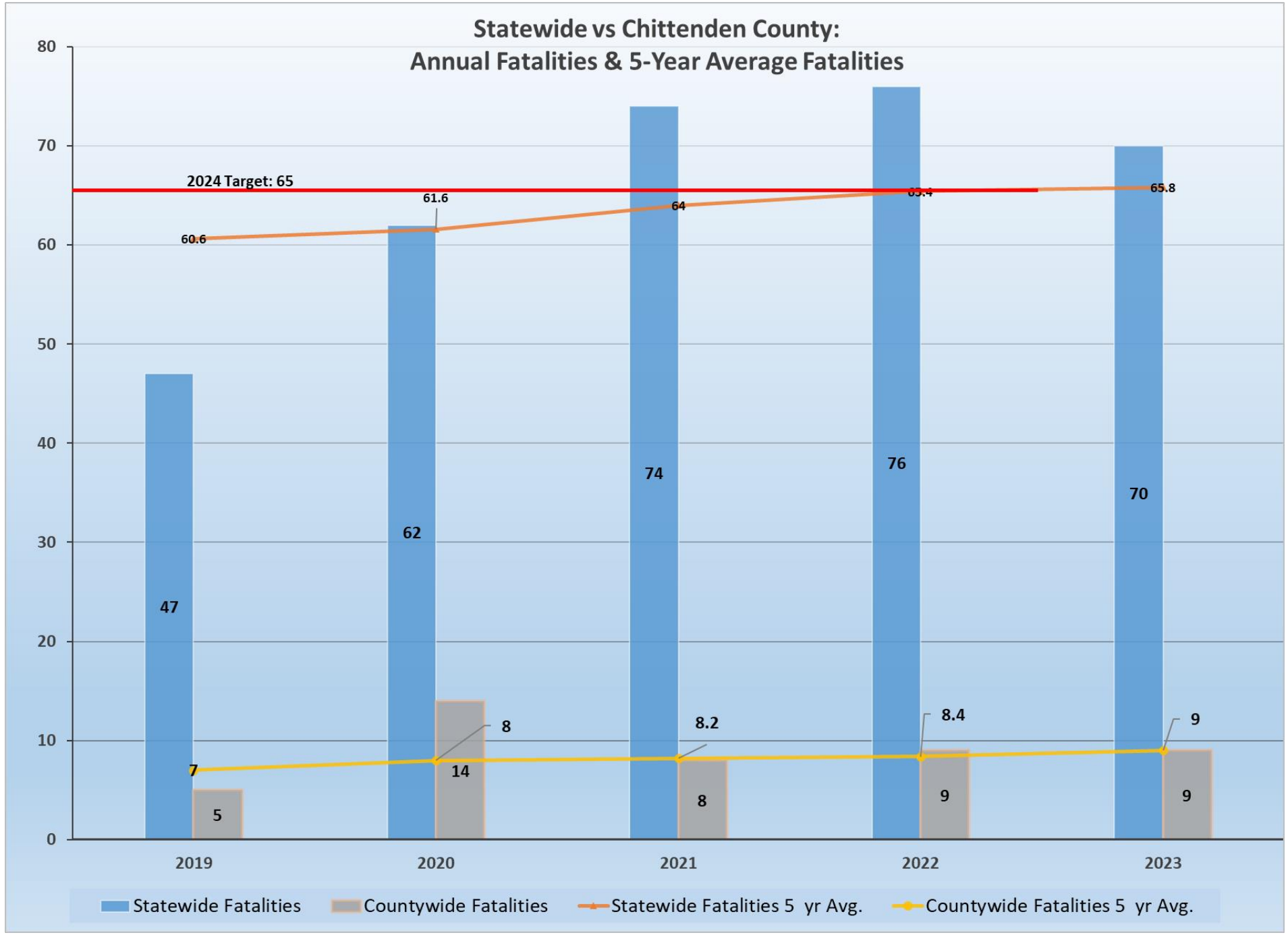
- FHWA published the Highway Safety Improvement Program (HSIP) and Safety Performance Management Measures (Safety PM) final rules in the Federal Register on March 15, 2016.
- Safety PM Final Rule established five Performance Measures as the five-year rolling averages for;
  - Number of Fatalities
  - Rate of Fatalities per 100 million vehicle miles traveled (VMT)
  - Number of Serious Injuries
  - Rate of Serious Injuries per 100 million VMT
  - Number of Non-Motorized Fatalities and Non-motorized Serious Injuries.

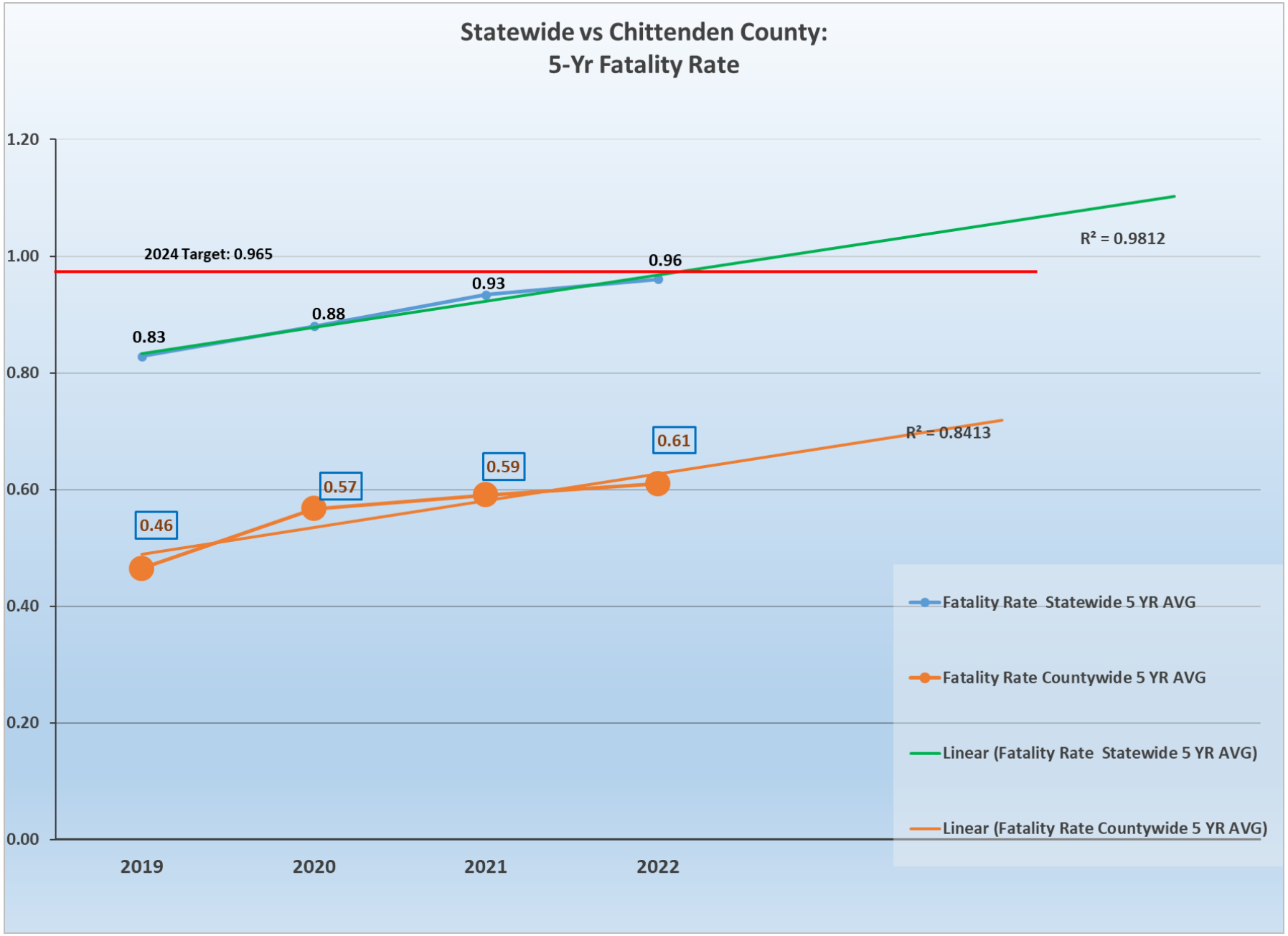
VTrans 2024 Safety Measures and Targets

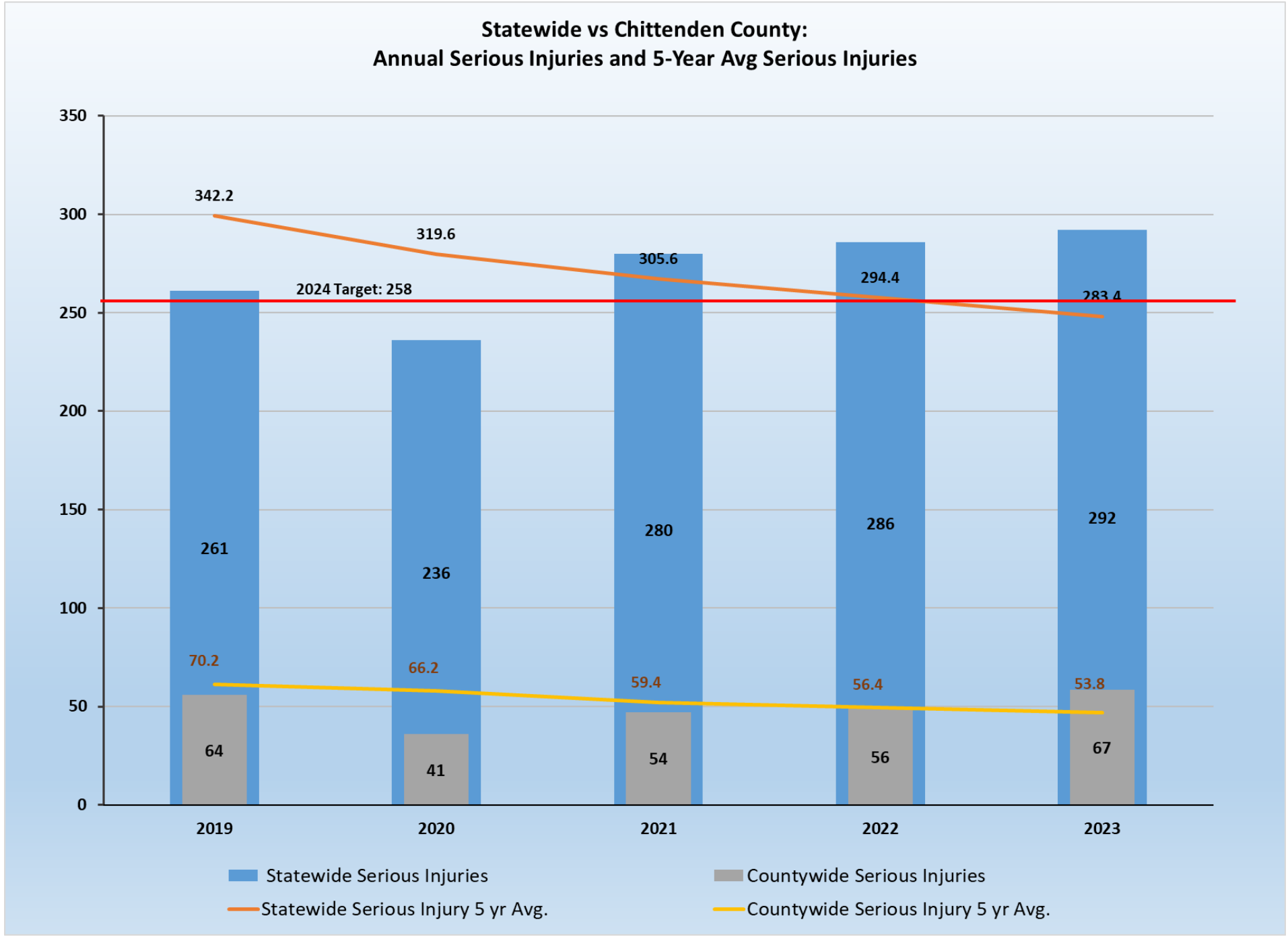
- Safety PM Final Rule established the process for State Departments of Transportation (DOTs) and Metropolitan Planning Organization (MPOs) to establish and report their safety targets.
- State DOT (VTrans) establishes statewide targets for each of the safety performance measures.
- MPO (CCRPC) establishes targets for the same five safety performance measures for all public roads in the MPO planning area within 180 days after VTrans establishes each target.
- CCRPC can either agree to support the VTrans' targets or establish a numerical target specific to the MPO planning area.

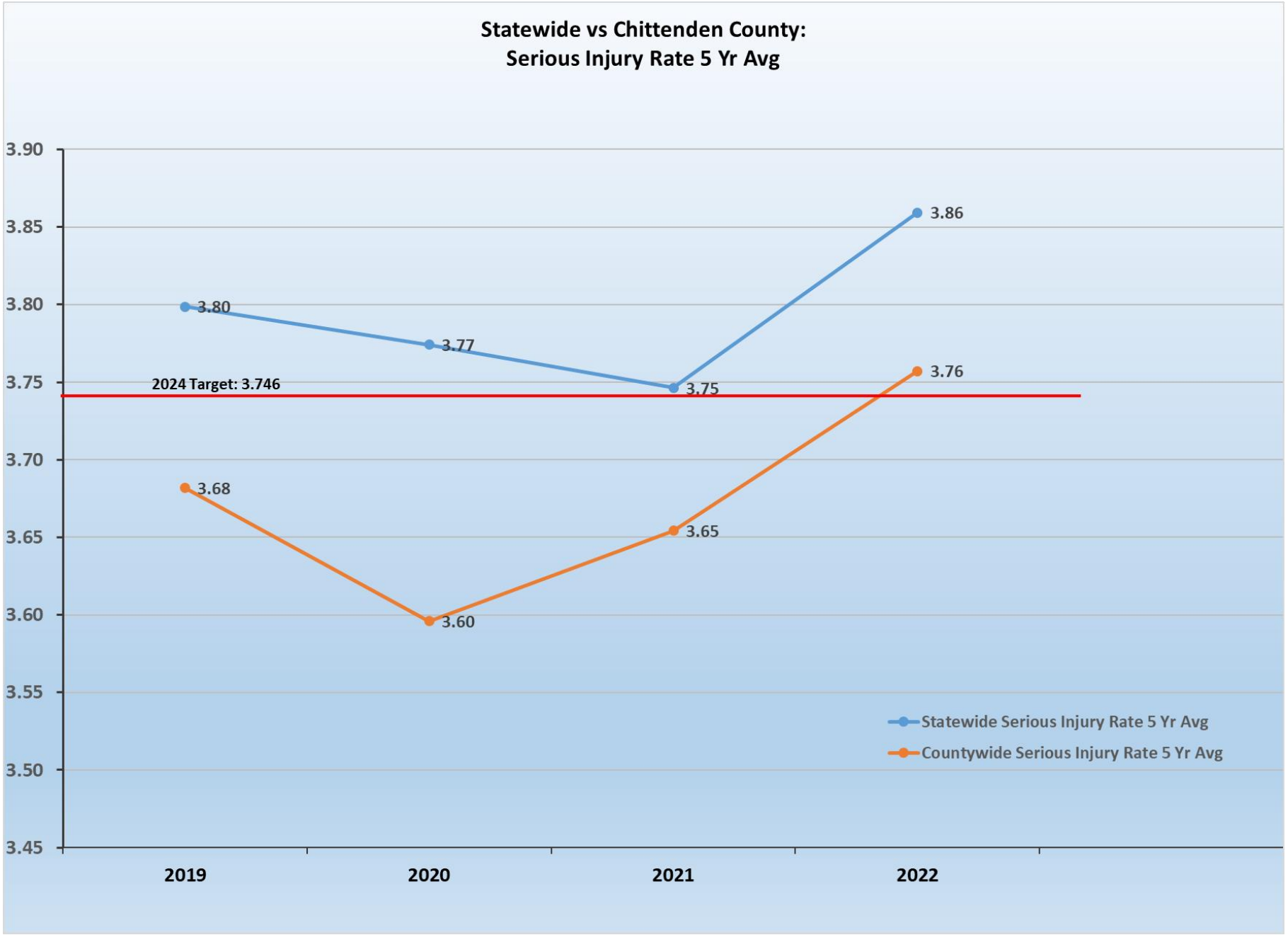
VTrans 2024 Safety Measures and Targets

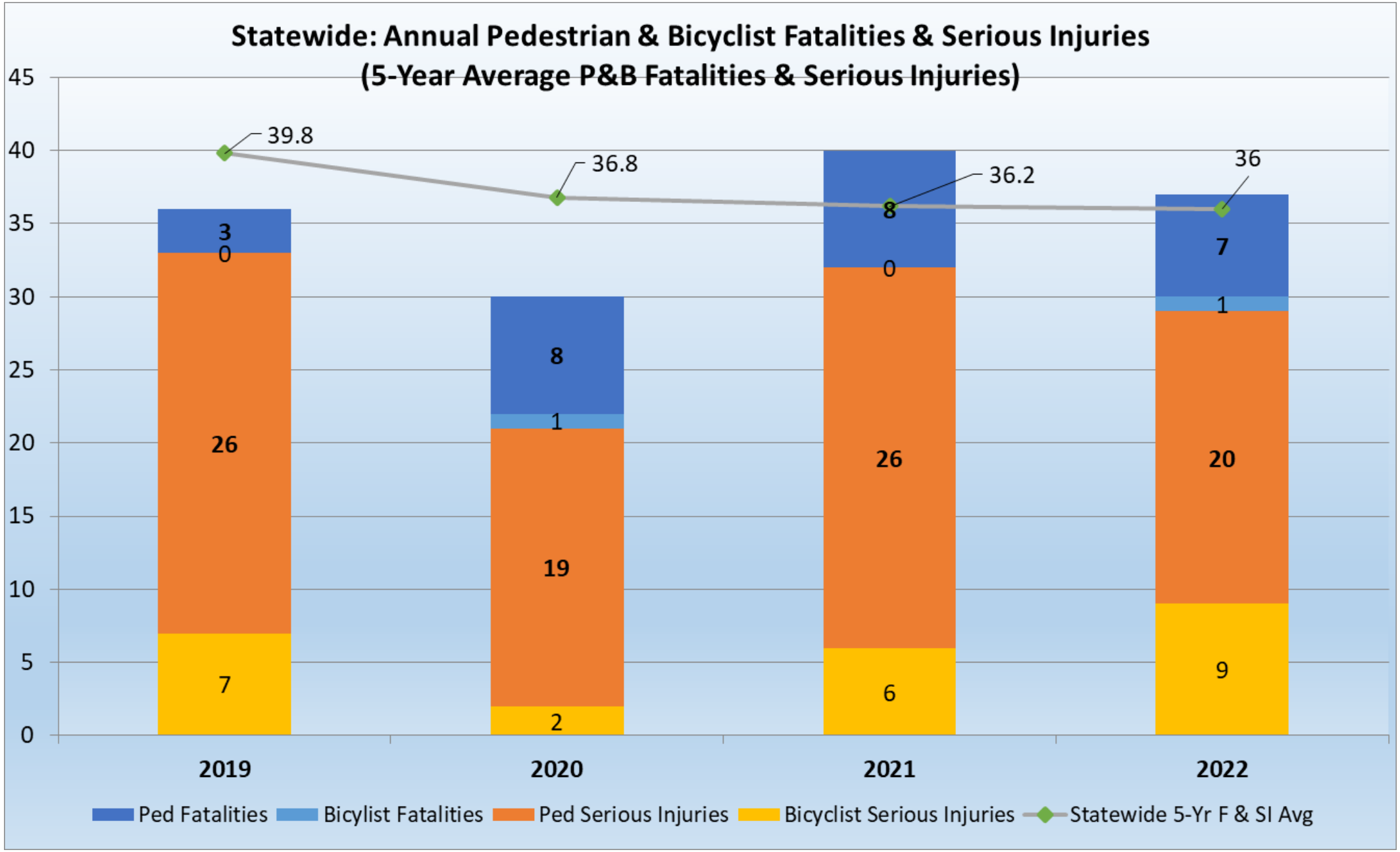
VTrans Safety Performance Measures	2022 Targets (5 Year Average)	2023 Targets (5 Year Average)	2024 Targets (5 Year Average)
Number of Fatalities	58	65	65
Fatality Rate (Fatalities per 100M VMT)	0.82	0.965	0.965
Number of Serious Injuries	260	258	258
Serious Injury Rate (Serious Injuries per 100M VMT)	3.70	3.746	3.746
Total Number of Non-motorized Fatalities and Serious Injuries	35	34	34

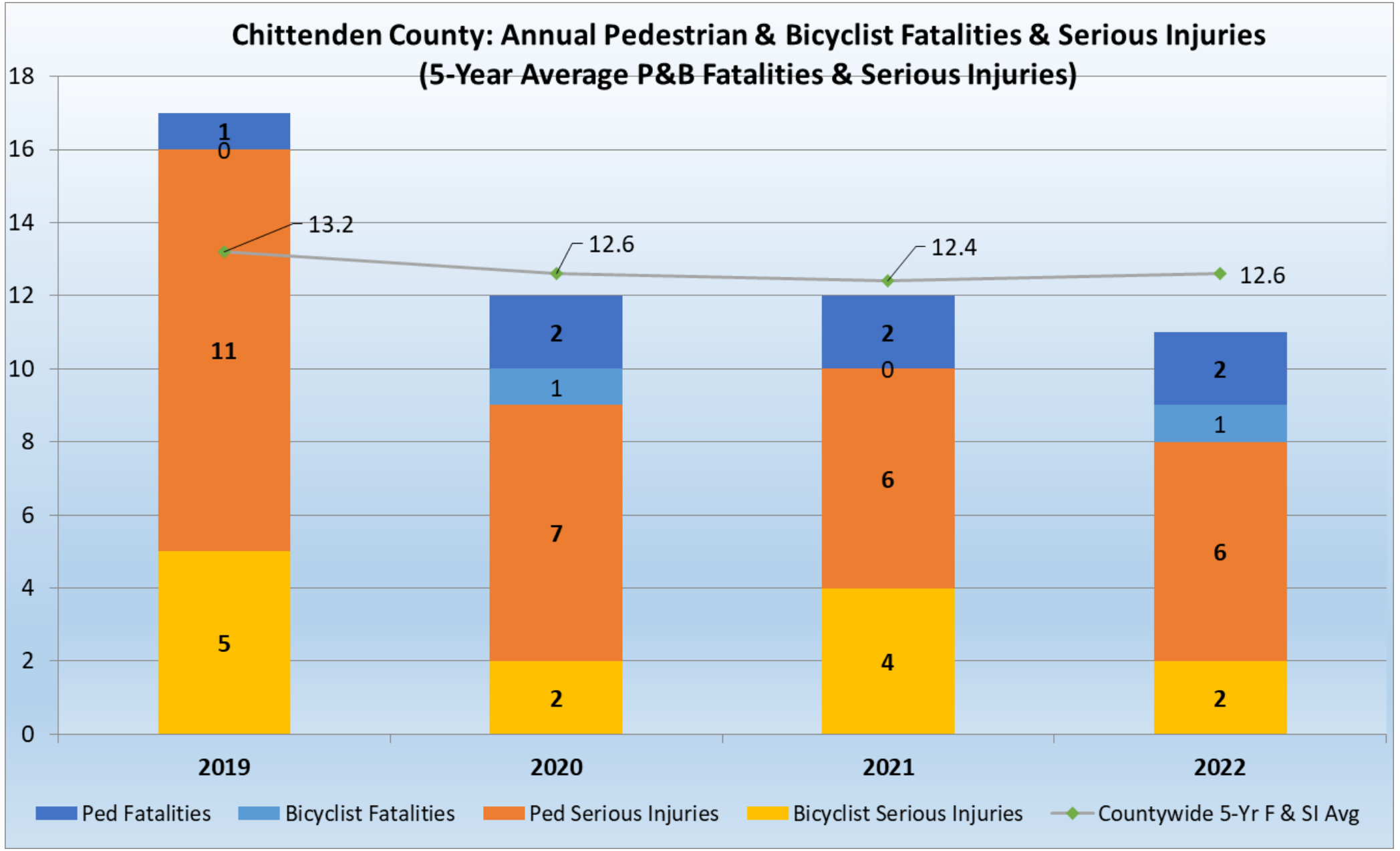

Statewide vs Chittenden County:
Annual Fatalities & 5-Year Average Fatalities
80
70
60
50
40
30
20
10
0
2024 Target: 65
60.6
61.6
64
65.8
47
62
74
76
70
5
14
8
9
9
7
8
8.2
8.4
9
2019
2020
2021
2022
2023
Statewide Fatalities
Countywide Fatalities
Statewide Fatalities 5 yr Avg.
Countywide Fatalities 5 yr Avg.


Statewide vs Chittenden County:
5-Yr Fatality Rate
1.20
1.00
0.80
0.60
0.40
0.20
0.00
2024 Target: 0.965
0.83
0.88
0.93
0.96
R² = 0.9812
0.46
0.57
0.59
0.61
R² = 0.8413
2019
2020
2021
2022
Fatality Rate Statewide 5 YR AVG
Fatality Rate Countywide 5 YR AVG
Linear (Fatality Rate Statewide 5 YR AVG)
Linear (Fatality Rate Countywide 5 YR AVG)


Statewide vs Chittenden County:
Annual Serious Injuries and 5-Year Avg Serious Injuries
350
300
250
200
150
100
50
0
342.2
319.6
305.6
294.4
283.4
2024 Target: 258
261
236
280
286
292
70.2
66.2
59.4
56.4
53.8
64
41
54
56
67
2019
2020
2021
2022
2023
Statewide Serious Injuries
Countywide Serious Injuries
Statewide Serious Injury 5 yr Avg.
Countywide Serious Injury 5 yr Avg.


Statewide vs Chittenden County:
Serious Injury Rate 5 Yr Avg
3.90
3.85
3.80
3.75
3.70
3.65
3.60
3.55
3.50
3.45
3.80
3.77
3.75
3.86
2024 Target: 3.746
3.68
3.60
3.65
3.76
2019
2020
2021
2022
Statewide Serious Injury Rate 5 Yr Avg
Countywide Serious Injury Rate 5 Yr Avg


Statewide: Annual Pedestrian & Bicyclist Fatalities & Serious Injuries
(5-Year Average P&B Fatalities & Serious Injuries)
45
40
35
30
25
20
15
10
5
0
39.8
36.8
36.2
36
3
0
26
7
8
1
19
2
8
0
26
6
7
1
20
9
2019
2020
2021
2022
Ped Fatalities
Bicylist Fatalities
Ped Serious Injuries
Bicyclist Serious Injuries
Statewide 5-Yr F & SI Avg


Chittenden County: Annual Pedestrian & Bicyclist Fatalities & Serious Injuries
(5-Year Average P&B Fatalities & Serious Injuries)
18
16
14
12
10
8
6
4
2
0
1
0
11
5
13.2
2
1
7
2
12.6
2
0
6
4
12.4
2
1
6
2
12.6
2019
2020
2021
2022
Ped Fatalities
Bicyclist Fatalities
Ped Serious Injuries
Bicyclist Serious Injuries
Countywide 5-Yr F & SI Avg