

SCDOT Intersection Safety Program

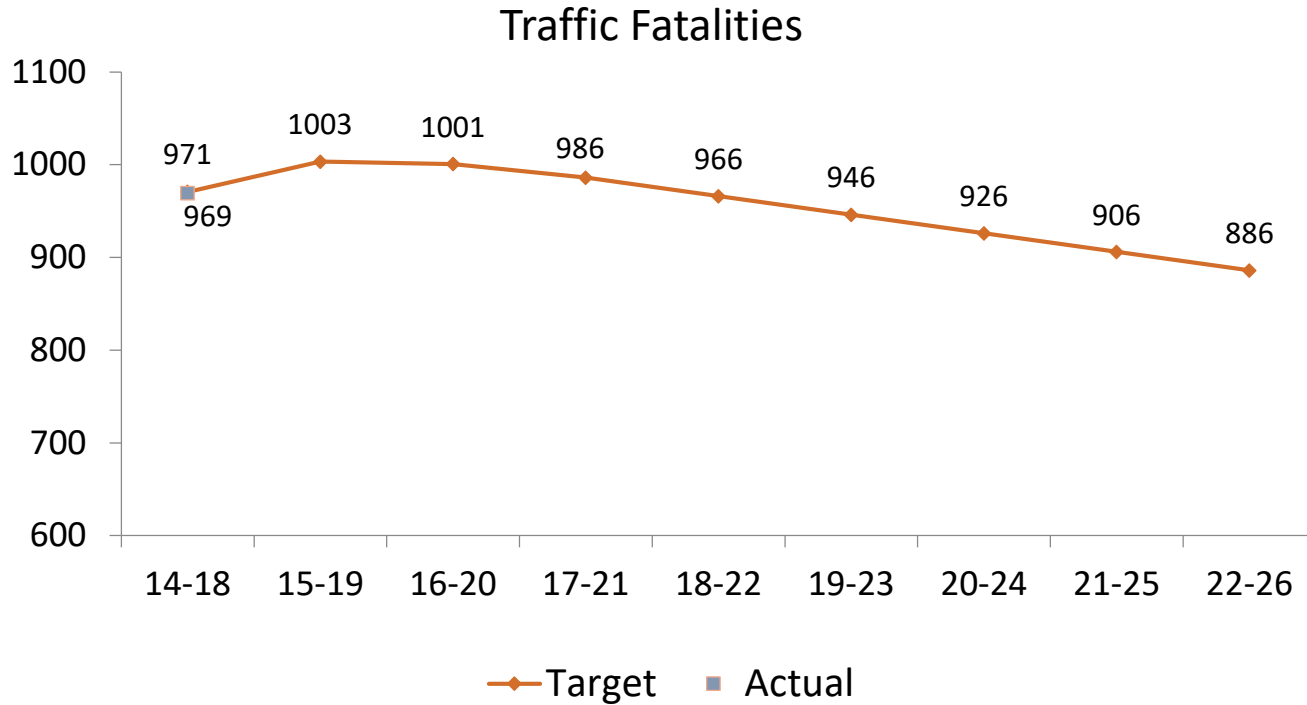


TAMP Safety Targets

TAMP targets and Safety Program Funding Levels are in accordance with the 10-year Plan & Approved by the Commission at their March 2018 meeting

Safety Performance Measure	2016 Baseline Condition		10-Year Target		Average Annual Funding Level
Fatalities (Statewide)	890	5 Year Rolling Average	886	5 Year Rolling Average	\$99M
Fatality Rate	1.75	5 Year Rolling Average	1.34	5 Year Rolling Average	
Number of Serious Injuries	3194	5 Year Rolling Average	2573	5 Year Rolling Average	
Serious Injury Rate	6.30	5 Year Rolling Average	3.89	5 Year Rolling Average	
Non-Motorized Fatalities & Serious Injuries	376	5 Year Rolling Average	368	5 Year Rolling Average	

TAMP Safety Targets Progress



TAMP Safety Targets Progress

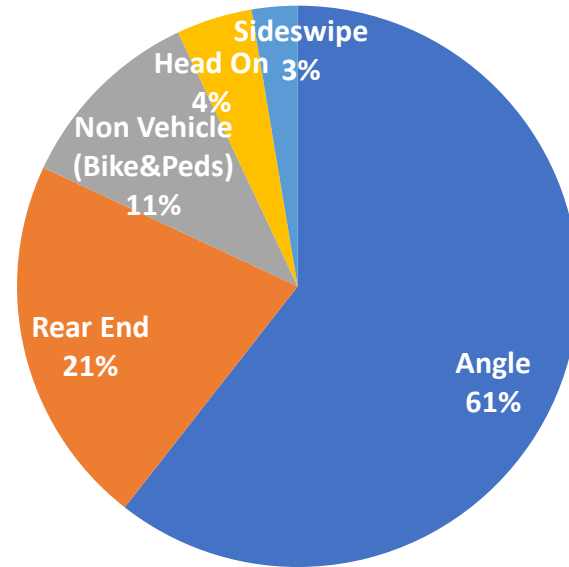
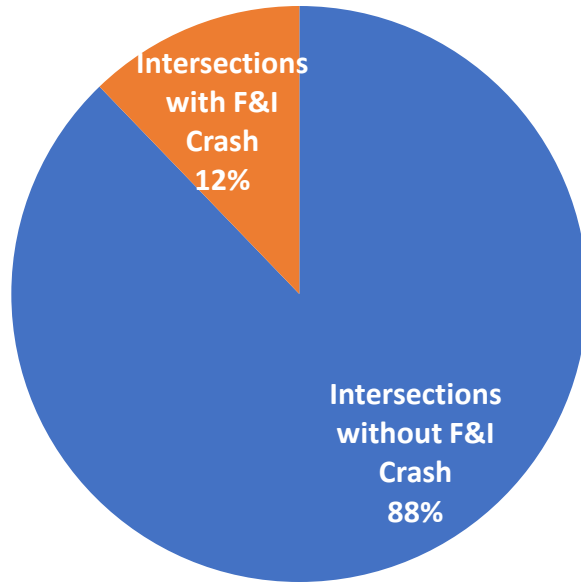
Safety	Established Targets (2014-2018)	Actual (2014-2018)	Difference	
Fatalities (Statewide)	970.8	969.4	-1.40	99.86%
Fatality Rate	1.81	1.80	-0.01	99.40%
Number of Serious Injuries	3072.6	2961.6	-111.00	96.39%
Serious Injury Rate	5.71	5.54	-0.16	97.15%
Non-Motorized Fatalities & Serious Injuries	370.8	380.8	10.00	102.70%

SCDOT Safety Investment Plan Recap (Approved March 2018)

Emphasis Area: Roadway Departure	\$70M Emphasis Area Allocation
<i>Rural Road Safety Program</i>	\$50M
<i>Interstate Safety Program</i>	\$11M
<i>Rumble Strips Installation Program</i>	\$9M
Emphasis Area: Intersections & Other High-Risk Locations	\$22M Emphasis Area Allocation
<i>Intersection Safety Projects</i>	\$13M
<i>Railroad Safety Projects</i>	\$4M
<i>Workzone Enforcement</i>	Included in Project Costs
<i>Target Zero Enforcement Teams</i>	Previously Allocated
<i>Road Safety Assessments & Implementation</i>	\$5M
Emphasis Area: Vulnerable Road Users	\$5M Emphasis Area Allocation
<i>Pedestrian & Bicycle Safety Projects</i>	\$5M
Safety Data Analytics	\$2M Emphasis Area Allocation
Total Annual Funding	\$99M

SC Intersection Crash Analysis

DOT Safety Plan	Areas	Annual Funding Level
Intersections	<ul style="list-style-type: none">Intersection Safety Projects	<ul style="list-style-type: none">\$13M



Proven Intersection Countermeasures



- » Roundabouts
 - SCDOT Safety Office has completed 19 roundabouts
 - 66% reduction in total crashes
- » Alternative Intersection Designs (R-CUT)
 - 55% reduction in total crashes
- » Traffic Signals/Signs
- » Pavement Markings
- » Improved Sight Distance
- » Backplates with Retroreflective Borders
- » Access Management (Corridor Approach)
- » Road Diets (Corridor Approach)

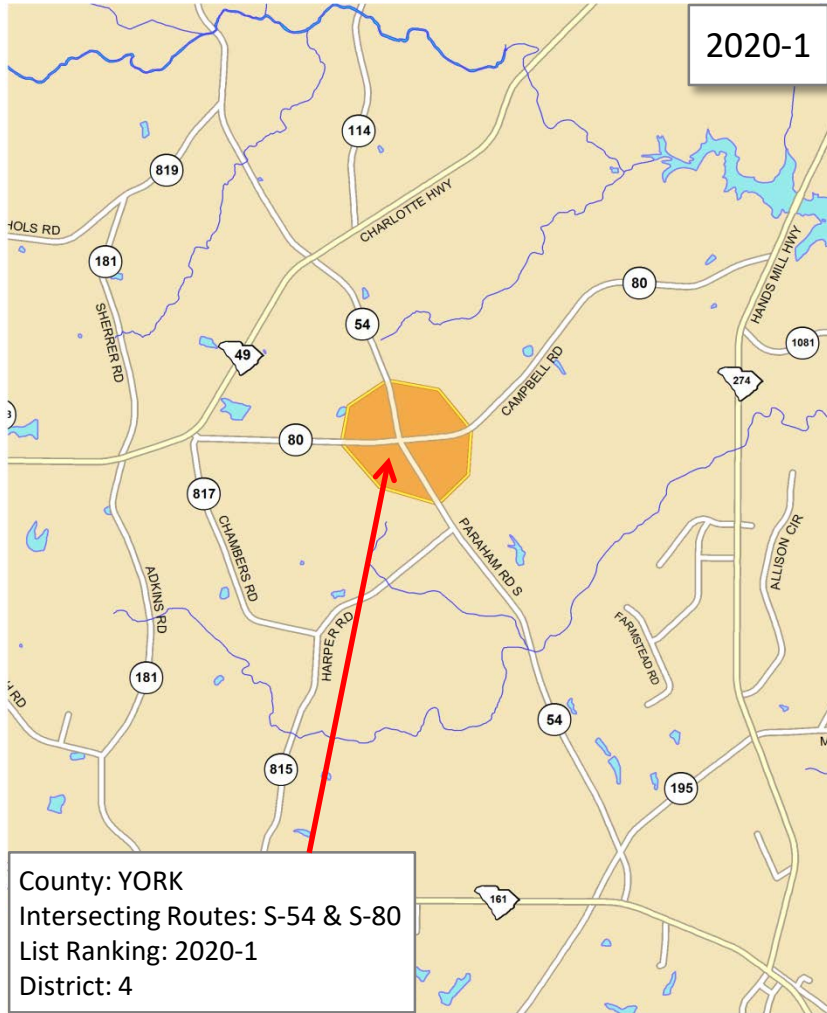
Intersection Safety List Selection Criteria

- Intersections that have a fatal and injury percentile greater than the statewide average.
- Final candidate list was sorted by crash rate and analyzed by traffic safety engineers.

Safety Program Intersection List

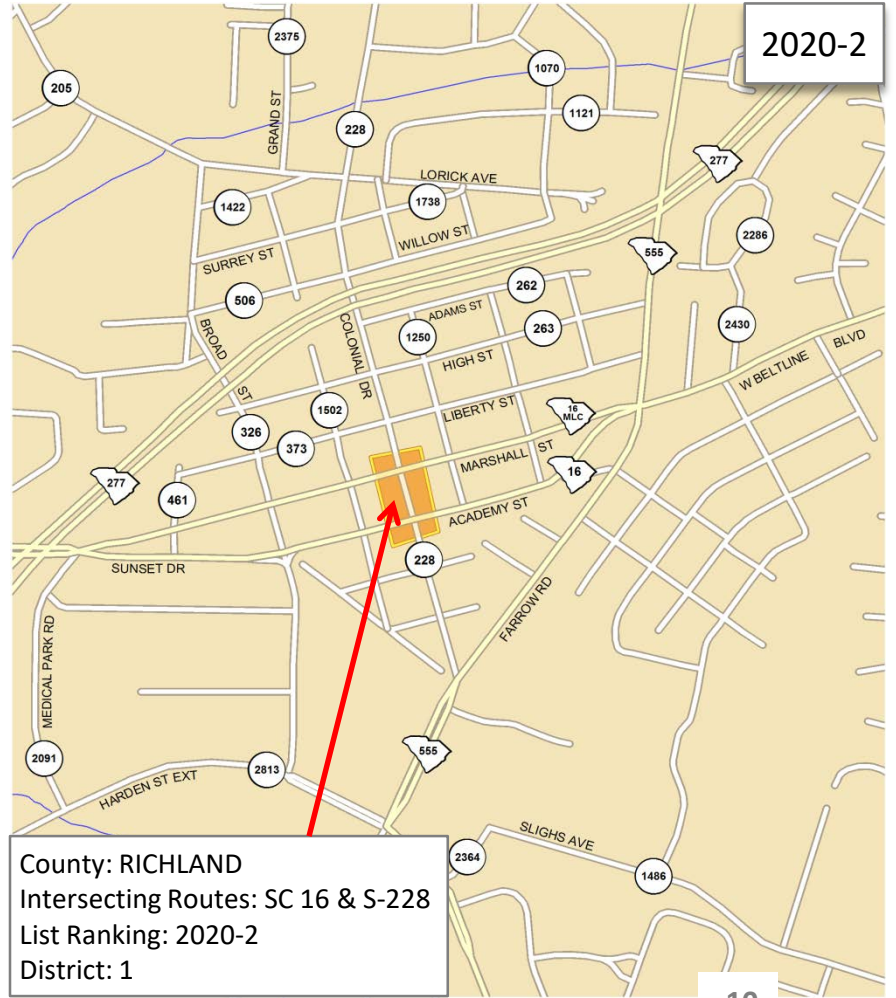
Commission List Ranking	County Name	Route Type Name	Route Number	Intersecting Route	Total Number of Crashes	Total Fatal & Injury Crashes (F&I)	(F&I) Percentile	Crash Rate (CR)
2020-1	YORK	S-	54	S- 80	27	8	30%	4.11
2020-2	RICHLAND	SC	16	S- 228	54	22	41%	3.70
2020-3	GREENVILLE	S-	27	S- 83	28	10	36%	3.41
2020-4	LEE	US	401	SC 341	18	7	39%	3.16
2020-5	CHARLESTON	S-	76	S- 2421	156	45	29%	2.99
2020-6	LEXINGTON	US	21	S- 1258	34	12	35%	2.85
2020-7	SPARTANBURG	S-	908	L- 745	27	11	41%	2.63
2020-8	SPARTANBURG	SC	292	L-851	47	13	28%	2.54
2020-9	COLLETON	US	15	SC 61	27	16	59%	2.43
2020-10	FLORENCE	S-	12	S- 13	71	20	28%	2.34
2020-11	PICKENS	SC	135	S- 95	17	8	47%	2.20
2020-12	HORRY	US	501	L- 8968 / S-905	83	34	41%	2.13
2020-13	GREENVILLE	SC	81	S- 327	48	13	27%	2.13
2020-14	ANDERSON	US	29	S- 96	28	13	46%	2.00
2020-15	BERKELEY	US	176	S- 135	22	11	50%	1.93
2020-16	CHARLESTON	S-	169	S- 881	41	14	34%	1.91
2020-17	NEWBERRY	SC	34	SC 39	18	6	33%	1.75
2020-18	YORK	US	21	S- 162	30	15	50%	1.72

2020-1

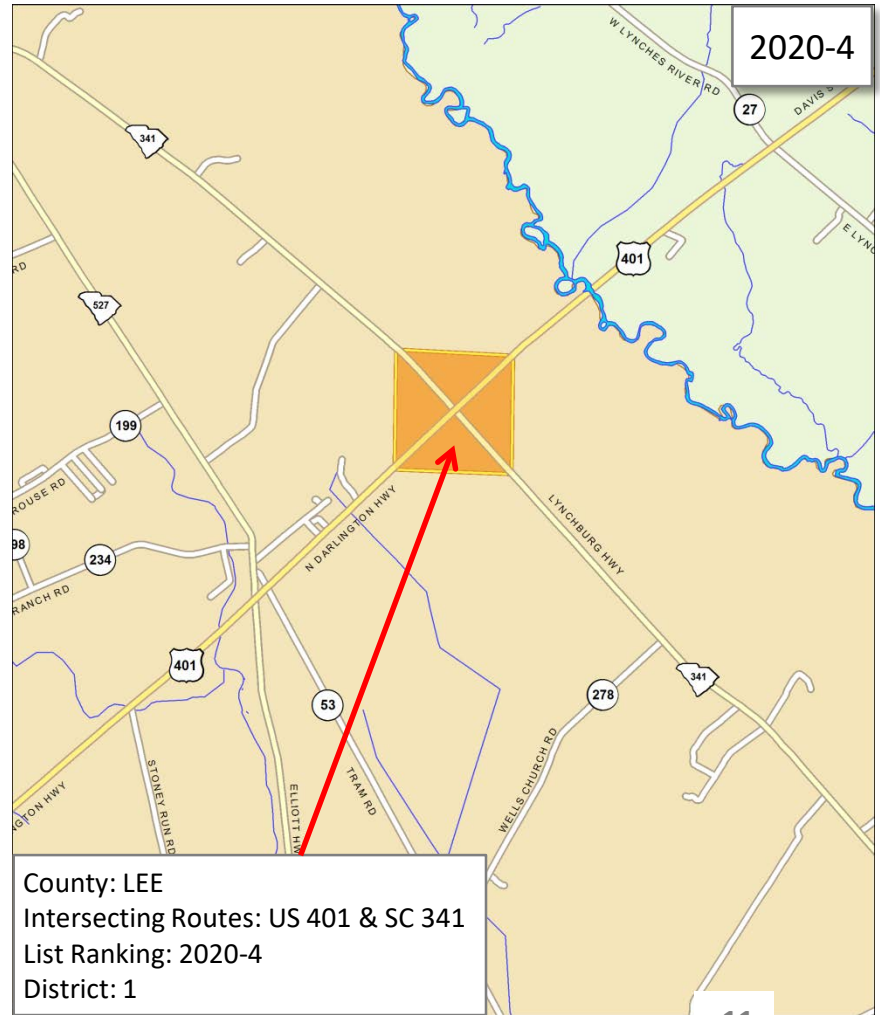
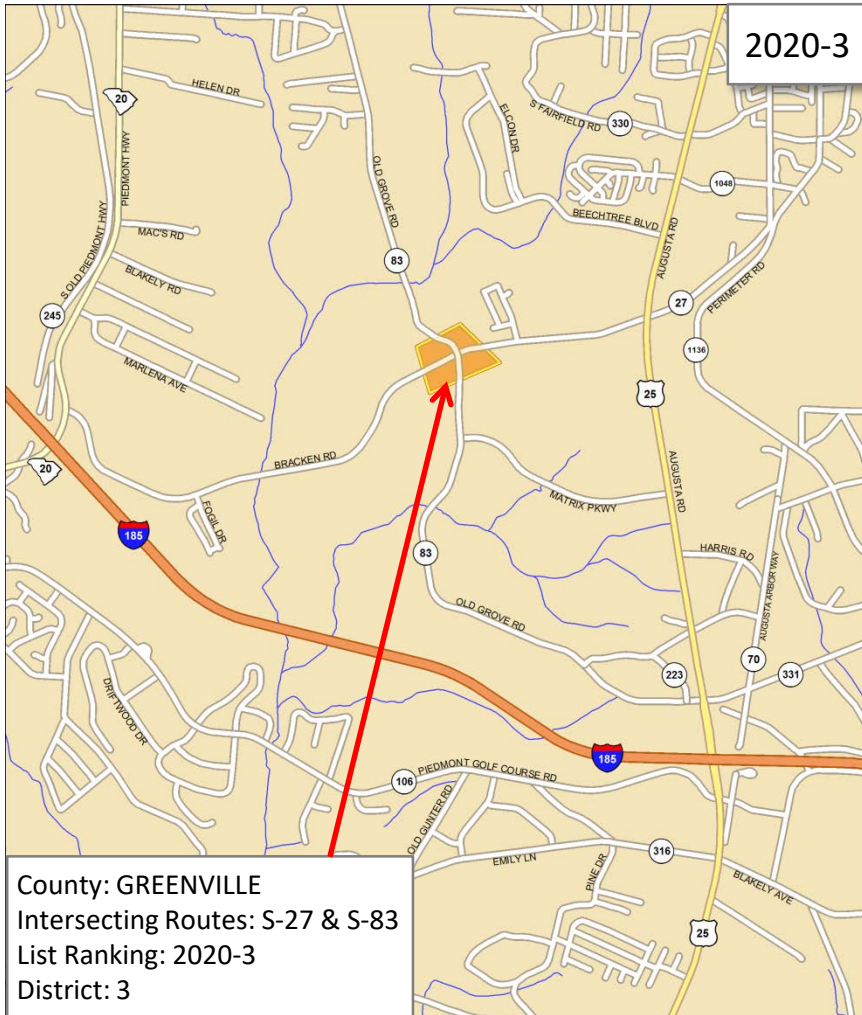


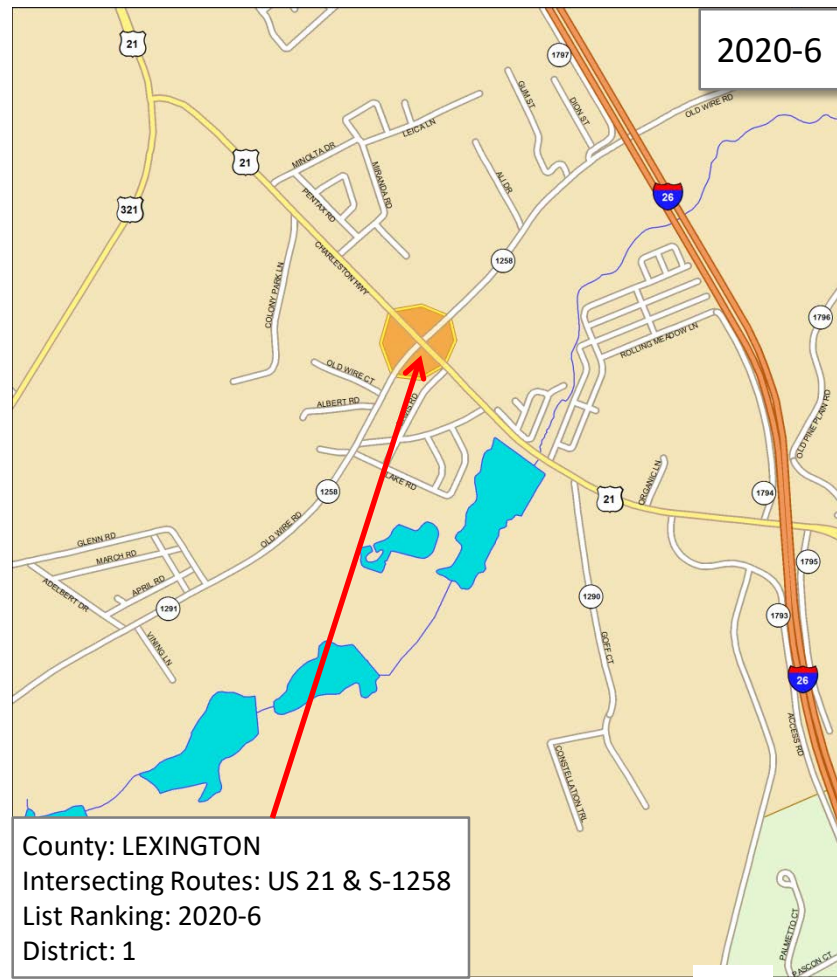
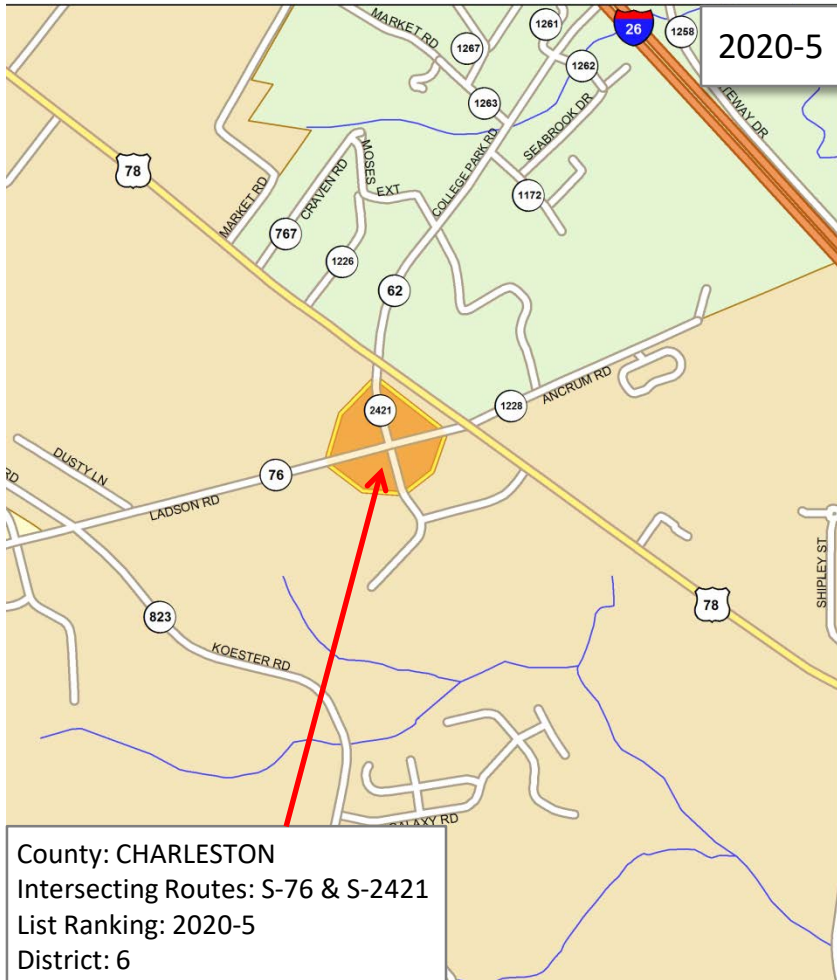
County: YORK
Intersecting Routes: S-54 & S-80
List Ranking: 2020-1
District: 4

2020-2

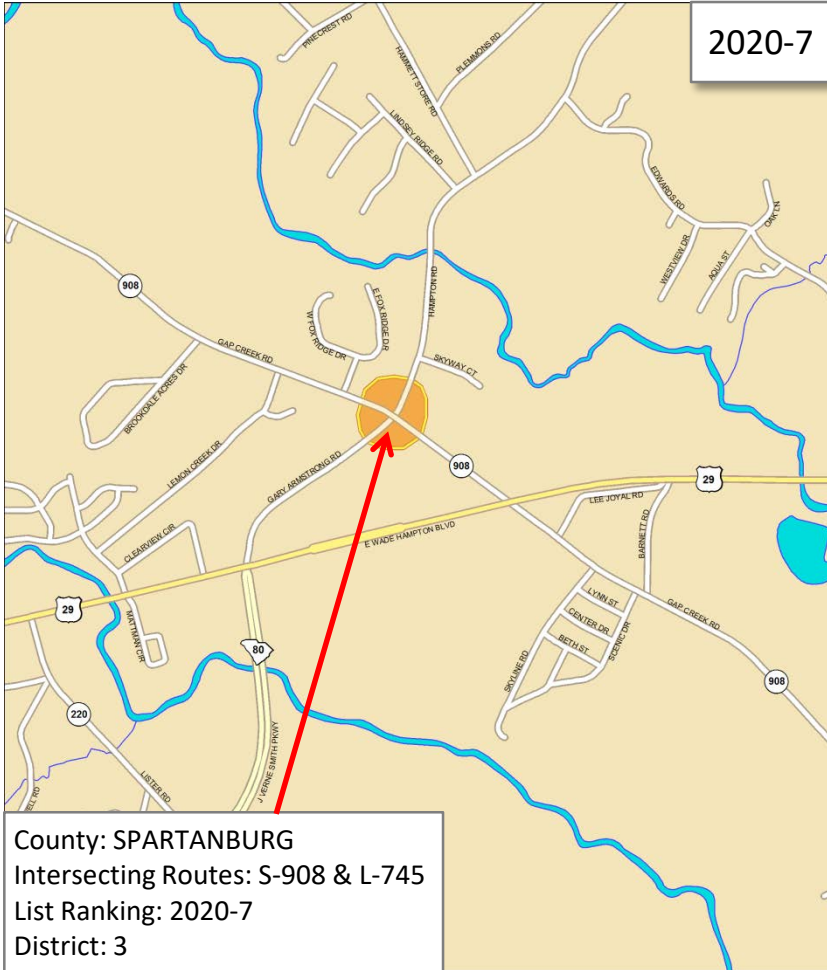


County: RICHLAND
Intersecting Routes: SC 16 & S-228
List Ranking: 2020-2
District: 1





2020-7

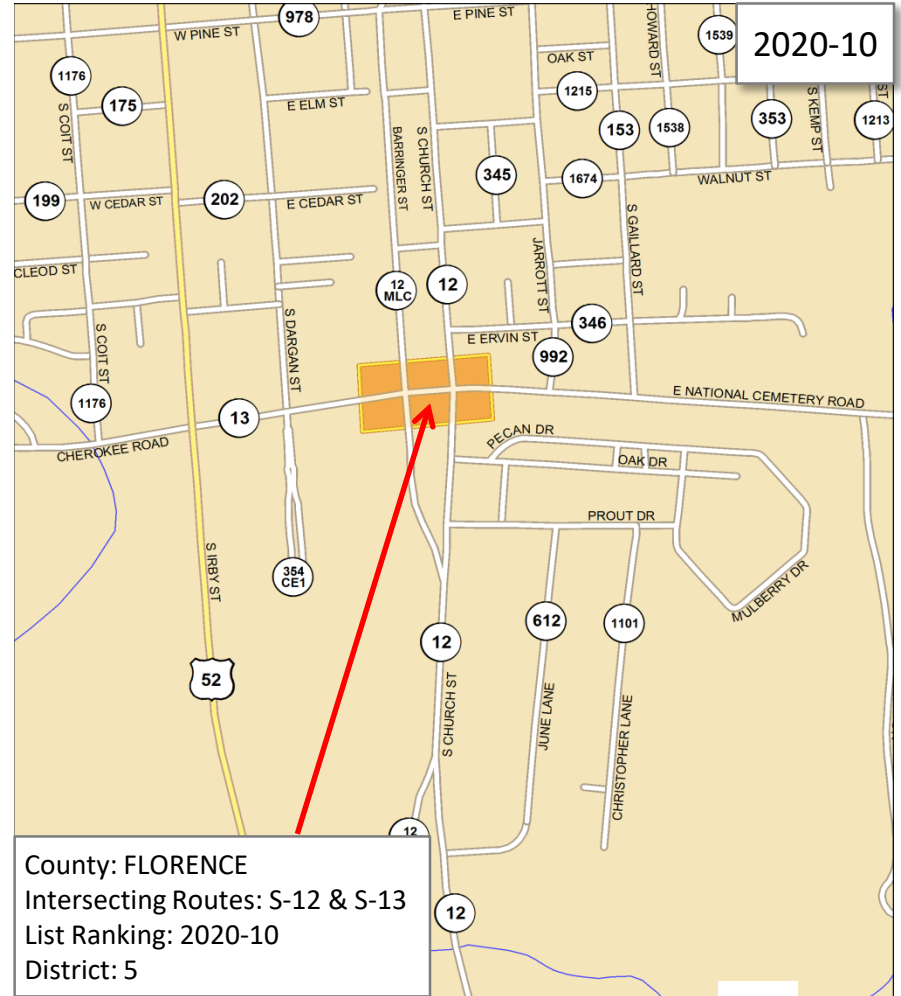
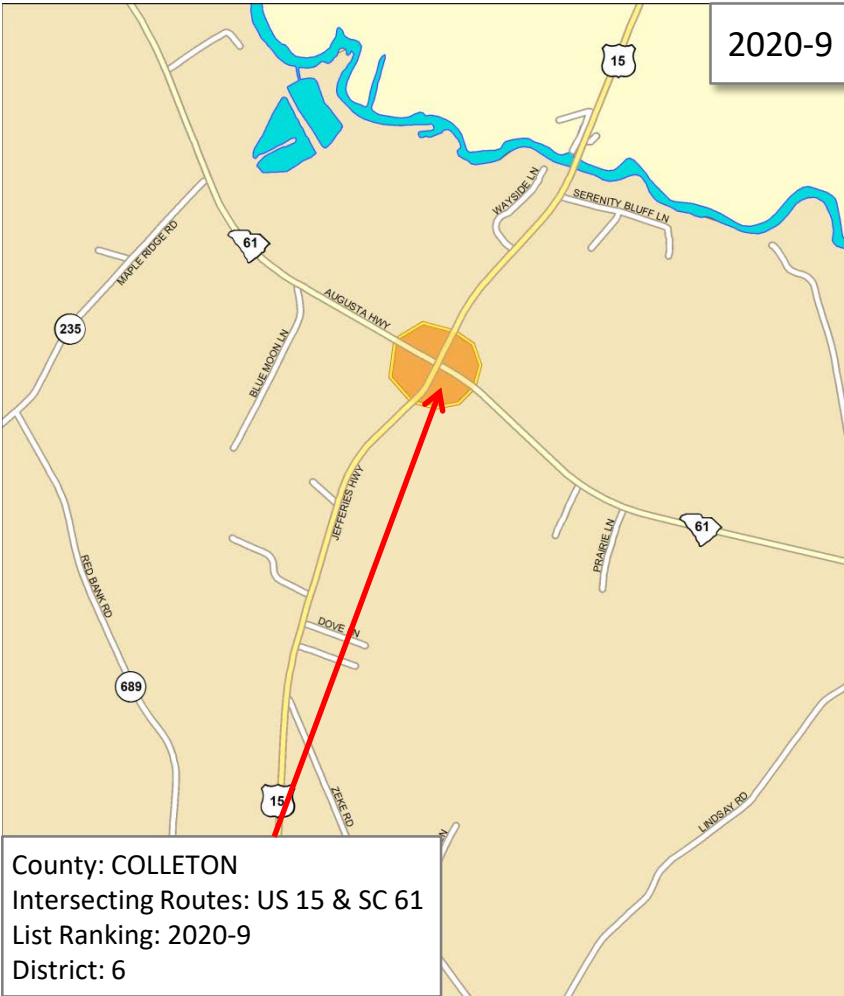


County: SPARTANBURG
Intersecting Routes: S-908 & L-745
List Ranking: 2020-7
District: 3

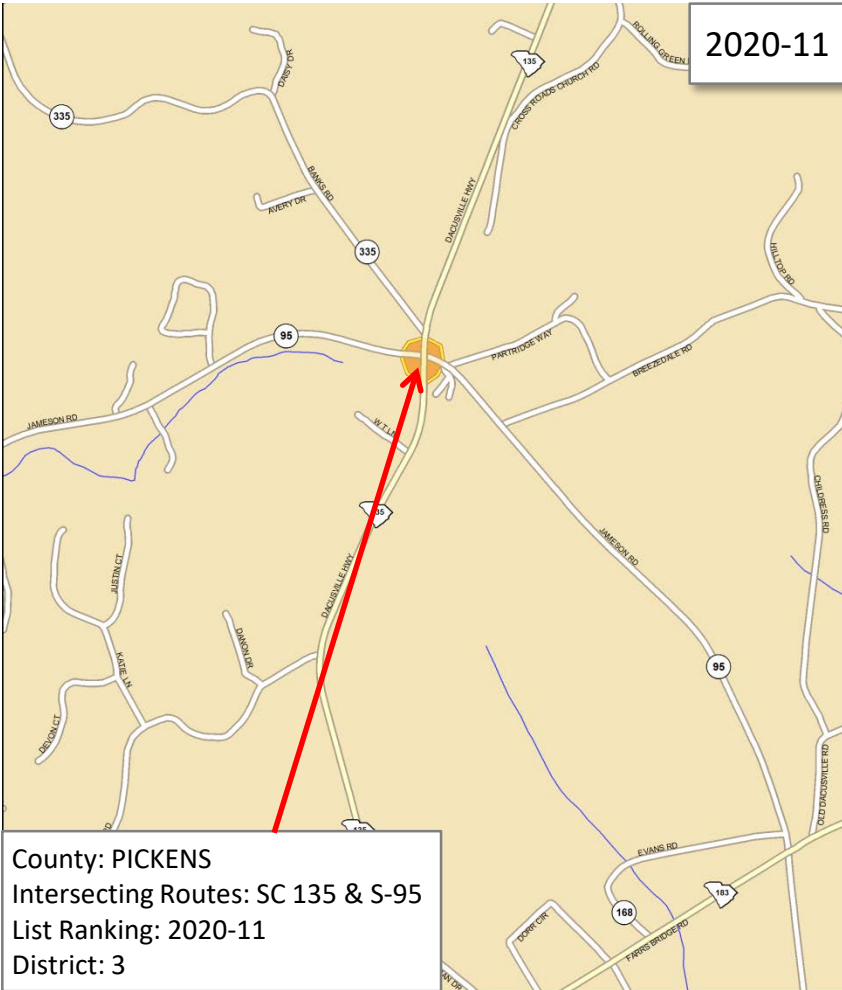
2020-8



County: SPARTANBURG
Intersecting Routes: SC 292 & L-851
List Ranking: 2020-8
District: 3

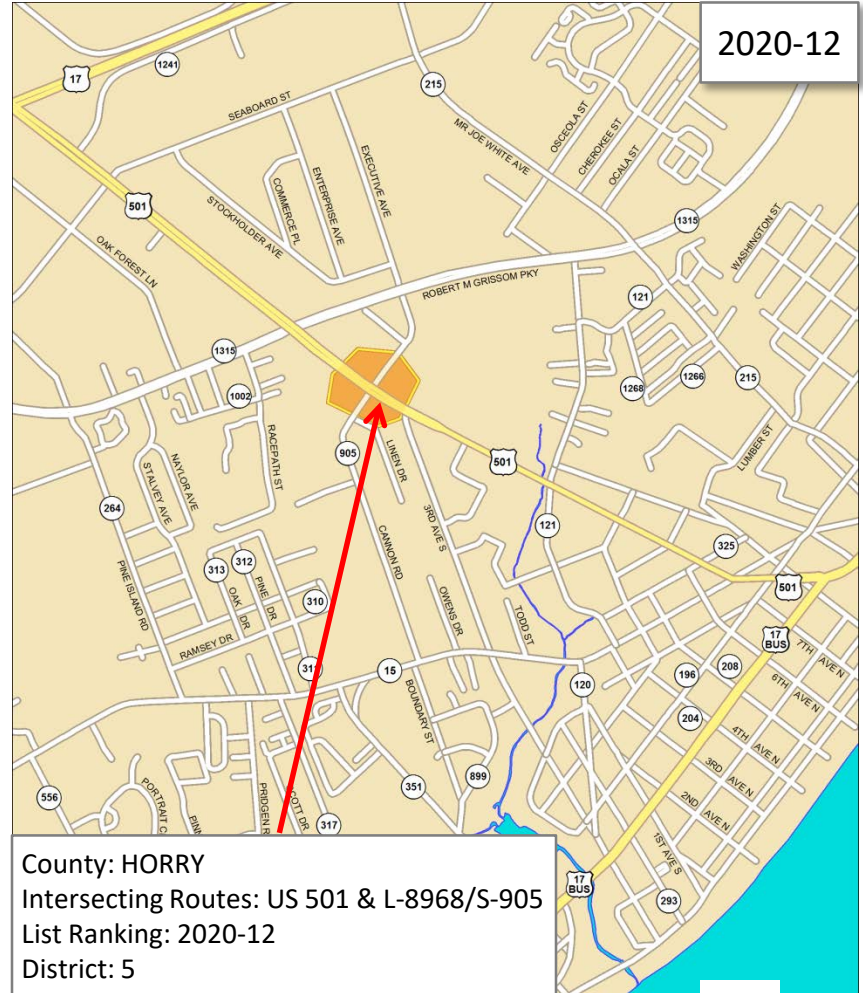


2020-11



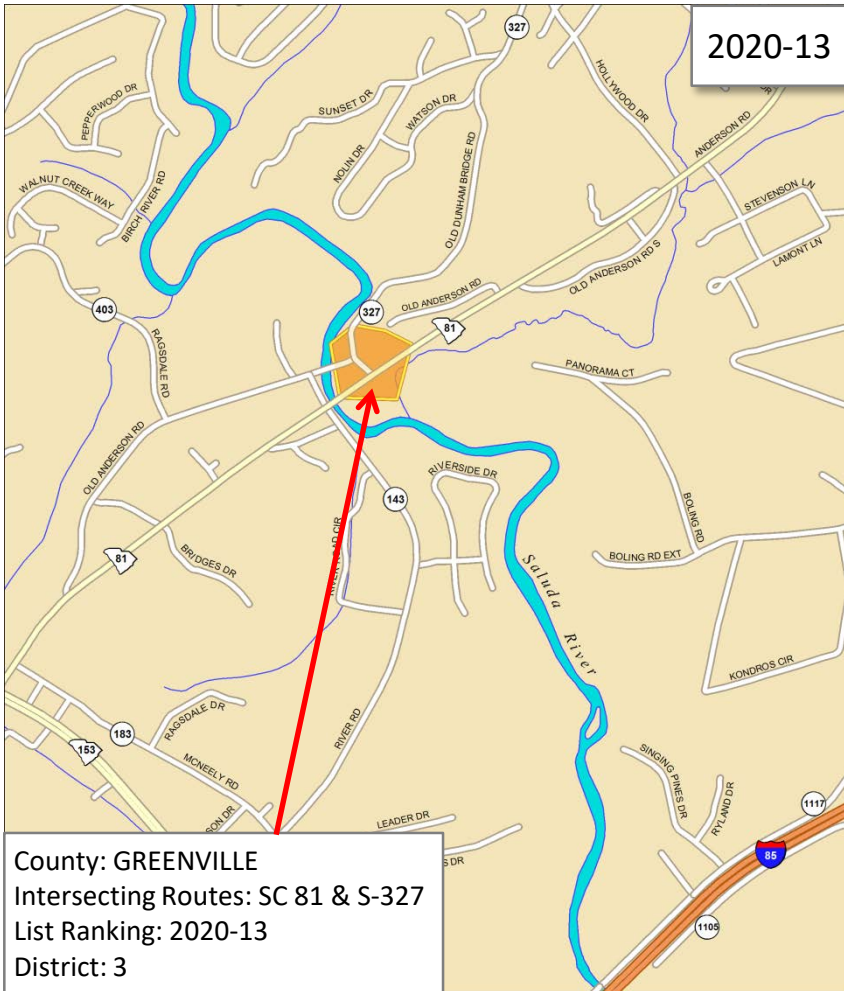
County: PICKENS
Intersecting Routes: SC 135 & S-96
List Ranking: 2020-11
District: 3

2020-12



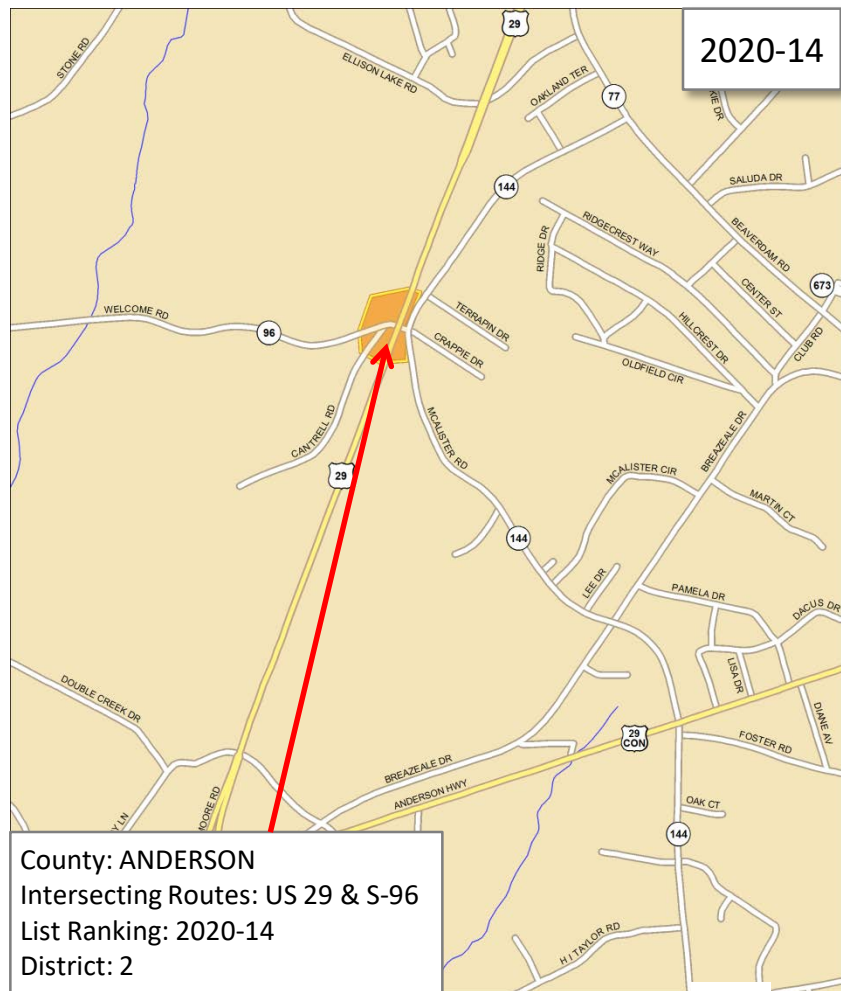
County: HORRY
Intersecting Routes: US 501 & L-8968/S-905
List Ranking: 2020-12
District: 5

2020-13



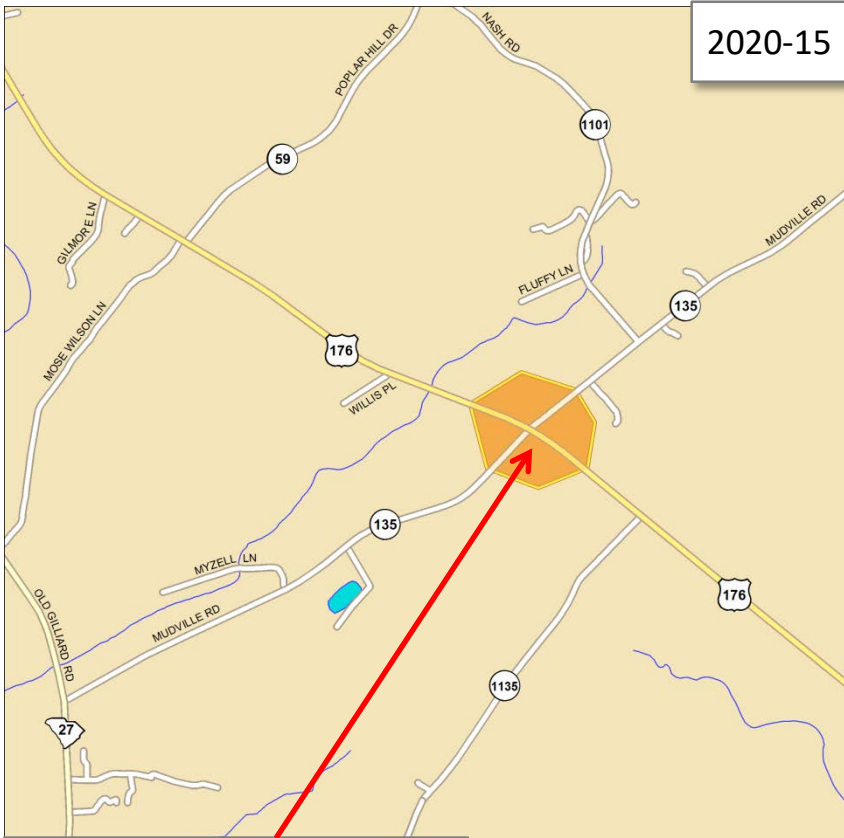
County: GREENVILLE
Intersecting Routes: SC 81 & S-327
List Ranking: 2020-13
District: 3

2020-14



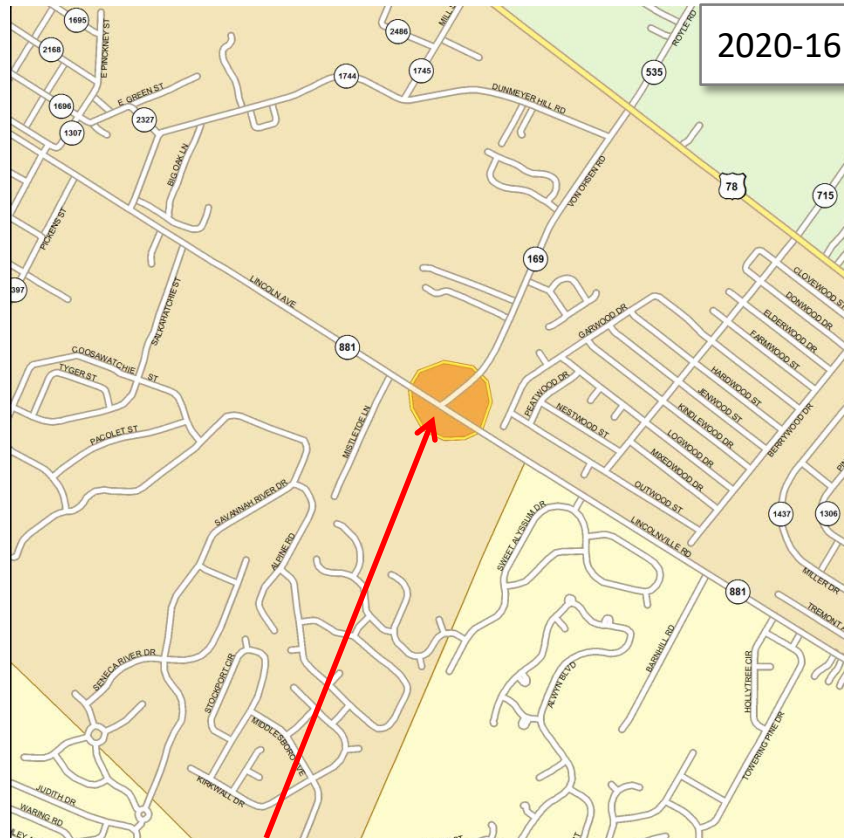
County: ANDERSON
Intersecting Routes: US 29 & S-96
List Ranking: 2020-14
District: 2

2020-15

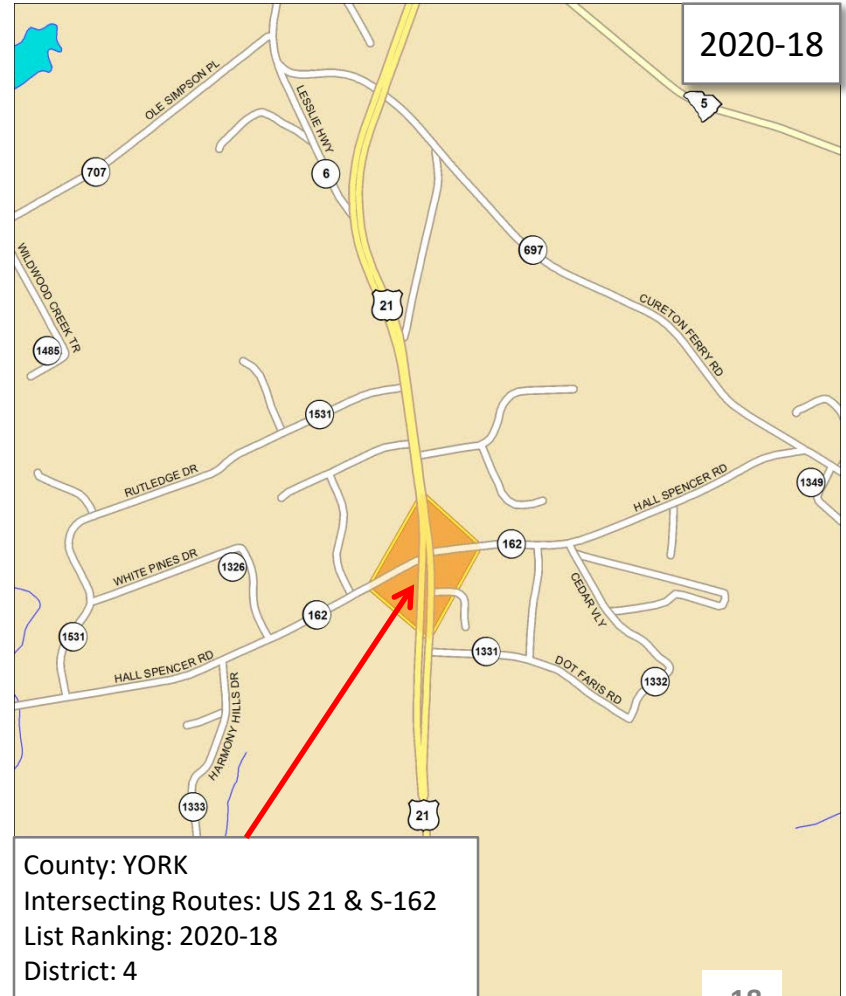
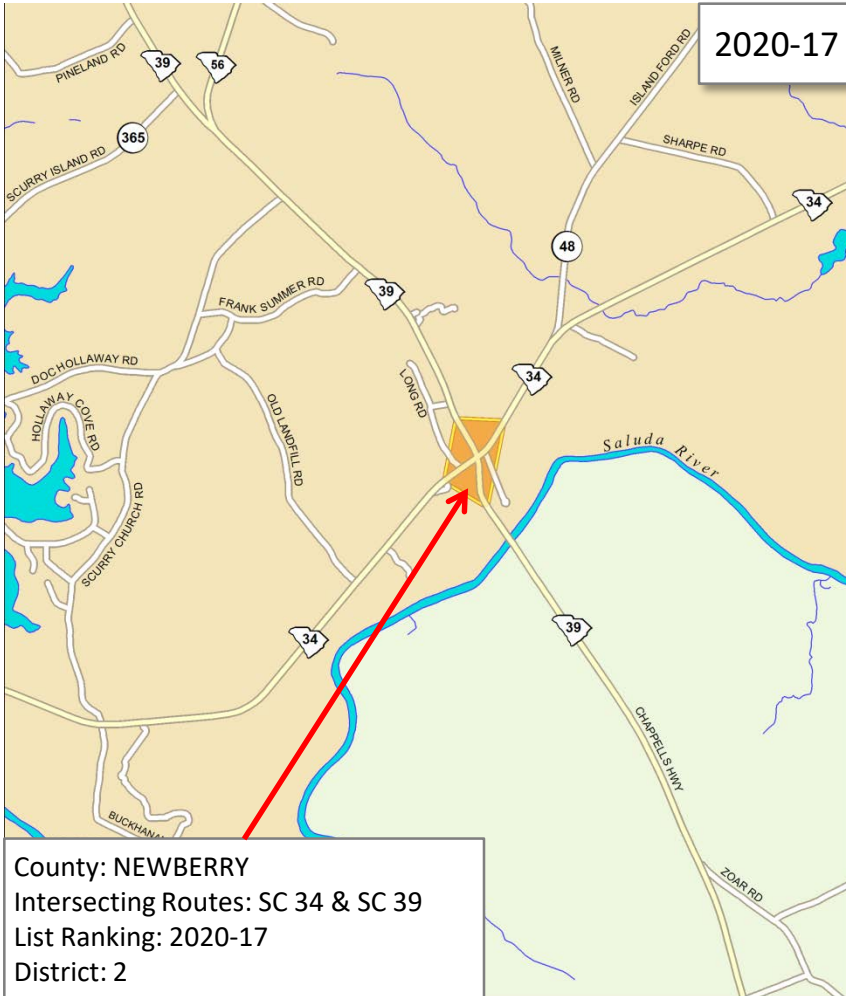


County: BERKELEY
Intersecting Routes: US 176 & S-135
List Ranking: 2020-15
District: 6

2020-16



County: CHARLESTON
Intersecting Routes: S-169 & S-881
List Ranking: 2020-16
District: 6




Commission Recommendation

In accordance with Act 114 of 2007, which requires the SCDOT Commission to select projects for funding based on objective and quantifiable factors, the Commission approves the Secretary's recommended ranked project list for the 2020-2021 Intersection Safety Program.

The proposed 2020-2021 Intersection Safety Project List is to be open for 21-days of public comment with any substantive comments to be provided to the Commission for its consideration.

Barring any substantive comments, the projects are to be incorporated into the State Transportation Improvement Program (STIP).



SCDOT Intersection Safety Program

