

**Cc:** Thompson Jr, Jesse U.

**Subject:** I-26 Widening MM 85-101: Traffic Data Request

Ms. Stacy,

I need to get traffic data for the I-26 overpass routes from MM 85-101 for the design-build widening project. Specifically, I need ADT for bridge plan title sheets and truck %'s for determining stopping sight distance design vehicles at the following overpass bridges:

- 1) S-40-58 Koon Rd over I-26
- 2) S-40-80 Shady Grove Rd/Old Tamah Rd over I-26
- 3) US 176 Broad River Rd (at Exit 97) over I-26
- 4) S-40-234 Mt Vernon Church Rd over I-26
- 5) S-40-405 Old Hilton Rd over I-26
- 6) S-32-48 Columbia Avenue (Exit 91) over I-26
- 7) S-32-49 Peak St over I-26
- 8) S-36-39 Holy Trinity Church Rd over I-26
- 9) S-36-167 Parr Rd over I-26
- 10) SC 202 (Exit 85) over I-26

and Jay Thompson needs traffic data for pavement design for the above crossing routes as well as:

(Traveling from MM 101 to 85)

- 1) S-40-2894 Western Ln
- 2) S-40-XXXX James Ballentine Rd
- 3) S-40-XXXX Oscar Amick Rd
- 4) S-40-XXXX Broad Bill Rd
- 5) S-40-2805 (Broad Stone Rd)
- 6) S-40-385 Rauch-Metz Rd
- 7) S-40-2894 Julius Richardson Rd
- 8) S-40-612 West Shady Grove Rd
- 9) S-40-1403 Stone Hill Rd (west of Mt Vernon Church Rd)
- 10) S-40-XXXX Bookie Richardson Rd
- 11) S-40-XXXX White Rock Rd
- 12) S-40-XXXX Mt. Olivet Church Rd
- 13) S-40-1403 Stone Hill Rd (West of Old Hilton Rd)
- 14) S-32-XXXX Ellett Rd
- 15) S-32-689 Comalander Dr
- 16) S-32-232 Crooked Creek Rd

- 17) S-32-XXX Haltiwanger Rd
- 18) S-36-XXX Clark Rd
- 19) S-36-XXX Beagle Run Rd
- 20) S-36-XXX Sam Koon Rd
- 21) S-36-370 Four Oaks Rd
- 22) S-36-811 Meadow Brook Rd

Please call me if you have any questions or I can provide any data to help.

Jay, if there are any other roads you would like data for, please let Stacy know ASAP.

Thanks,

Michael L. Hood, P.E., DBIA

Assistant Program Manager, Design-Build Group

SC Department of Transportation

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955 Park St., Columbia, SC 29201

<image001.jpg>

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# TRAFFIC DATA FOR PAVEMENT LOADING

Factors revised February 1989

Report date: 8/22/2017

County 40 RICHLAND

Route S- 2894 Route Name: Western Lane

Beginning termini MP 0.00

Ending termini: MP 2.71

Beginning mile post: 0.00

☐ 1-way ☒ 2-way

Type of pavement

☒ Flexible ☐ Rigid

Number of lanes: 2

Percent Trucks: 5

Critical Lane: 100

Rd. Grp. (A-P) - Class 9 %: H - 25

Base year: 2020

Base year ADT: 5,500

Future year 2030

Projected ADT: 6500

Future year 2040

Projected ADT: 7500

6500

## ONE-WAY EQUIVALENT DAILY 18 KIP SINGLE AXLE LOAD APPLICATIONS IN THE CRITICAL LANE

5 YR. DES. = 16.97

10 YR. DES. = 34.92

15 YR. DES. = 53.85

20 YR. DES. = 73.77

YEAR	ADT	AVERAGE ONE-WAY ADT TRUCKS		ADJUSTED TRUCKS	1-WAY EQUIV. 18 KIP TOTAL CRT. LN.	
2020	5,500					
2025	6,000	2,875	144	36	16.97	16.97
2030	6,500	2,958	148	74	34.92	34.92
2035	7,000	3,042	152	114	53.85	53.85
2040	7,500	3,125	156	156	73.77	73.77

# TRAFFIC DATA FOR PAVEMENT LOADING

Factors revised February 1999

Report date: 8/22/2017

County 40 RICHLAND

Route S- 2894 Route Name: Western Lane

Beginning termini MP 0.00

Ending termini: MP 2.71

Beginning mile post: 0.00

☐ 1-way ☒ 2-way

Number of lanes: 2

Percent Trucks.: 5

Critical Lane: 100

Type of pavement

☐ Flexible ☒ Rigid

Rd. Grp. (A-P) - Class 9 %: H - 25

Base year: 2020

Base year ADT: 5,500

Future year 2030

Projected ADT: 6500

Future year 2040

Projected ADT: 7500

6500

## ONE-WAY EQUIVALENT DAILY 18 KIP SINGLE AXLE LOAD APPLICATIONS IN THE CRITICAL LANE

5 YR. DES. = 22.23

10 YR. DES. = 45.74

15 YR. DES. = 70.55

20 YR. DES. = 96.64

YEAR	ADT	AVERAGE ONE-WAY ADT TRUCKS	ADJUSTED TRUCKS	1-WAY EQUIV. 18 KIP TOTAL CRT. LN.
2020	5,500			
2025	6,000	2,875	144	36
2030	6,500	2,958	148	74
2035	7,000	3,042	152	114
2040	7,500	3,125	156	156

# TRAFFIC DATA FOR PAVEMENT LOADING

Factors revised February 1999

Report date: 8/22/2017

County 40 RICHLAND

Route S- 497 Route Name: James Ballentine Rd

Beginning termini MP 0.00

Ending termini: MP 0.46

Beginning mile post: 0.00

☐ 1-way ☒ 2-way

Number of lanes: 2

Percent Trucks.: 5

Critical Lane: 100

Type of pavement  
☒ Flexible ☐ Rigid

Rd. Grp. (A-P) - Class 9 %: G - 19

Base year: 2020

Base year ADT: 350

Future year 2030

Projected ADT: 450

Future year 2040

Projected ADT: 550

400

## ONE-WAY EQUIVALENT DAILY 18 KIP SINGLE AXLE LOAD APPLICATIONS IN THE CRITICAL LANE

5 YR. DES. = 0.98

10 YR. DES. = 2.00

15 YR. DES. = 3.11

20 YR. DES. = 4.33

YEAR	ADT	AVERAGE ONE-WAY ADT TRUCKS		ADJUSTED TRUCKS	1-WAY EQUIV. 18 KIP TOTAL CRT. LN.	
2020	350					
2025	400	188	9	2	0.98	0.98
2030	400	192	10	5	2.00	2.00
2035	500	198	10	7	3.11	3.11
2040	550	208	10	10	4.33	4.33

# TRAFFIC DATA FOR PAVEMENT LOADING

Factors revised February 1999

Report date: 8/22/2017

County 40 RICHLAND

Route S- 497 Route Name: James Ballentine Rd

Beginning termini MP 0.00

Ending termini: MP 0.46

Beginning mile post: 0.00

☐ 1-way ☒ 2-way

Number of lanes: 2

Percent Trucks.: 5

Critical Lane: 100

Type of pavement

☐ Flexible ☒ Rigid

Rd. Grp. (A-P) - Class 9 %: G - 19

Base year: 2020

Base year ADT: 350

Future year 2030

Projected ADT: 450

Future year 2040

Projected ADT: 550

400

## ONE-WAY EQUIVALENT DAILY 18 KIP SINGLE AXLE LOAD APPLICATIONS IN THE CRITICAL LANE

5 YR. DES. = 1.25

10 YR. DES. = 2.56

15 YR. DES. = 3.98

20 YR. DES. = 5.55

YEAR	ADT	AVERAGE ONE-WAY ADT TRUCKS	ADJUSTED TRUCKS	1-WAY EQUIV. 18 KIP TOTAL CRT. LN.
2020	350			
2025	400	188 9	2	1.25 1.25
2030	400	192 10	5	2.56 2.56
2035	500	198 10	7	3.98 3.98
2040	550	208 10	10	5.55 5.55

# TRAFFIC DATA FOR PAVEMENT LOADING

Factors revised February 1999

Report date: 8/22/2017

County 40 RICHLAND

Route S- 2896 Route Name: Oscar Amick Rd.

Beginning termini MP 0.00

Ending termini: MP 0.10

Beginning mile post: 0.00

☐ 1-way ☒ 2-way

Number of lanes: 2

Percent Trucks.: 5

Critical Lane: 100

Type of pavement  
☒ Flexible ☐ Rigid

Rd. Grp. (A-P) - Class 9 %: G - 19

Base year: 2020

Base year ADT: 125

Future year 2030

Projected ADT: 225

Future year 2040

Projected ADT: 325

200

## ONE-WAY EQUIVALENT DAILY 18 KIP SINGLE AXLE LOAD APPLICATIONS IN THE CRITICAL LANE

5 YR. DES. = 0.42

10 YR. DES. = 0.91

15 YR. DES. = 1.49

20 YR. DES. = 2.17

YEAR	ADT	AVERAGE ONE-WAY ADT TRUCKS		ADJUSTED TRUCKS	1-WAY EQUIV. 18 KIP TOTAL CRT. LN.	
2020	125					
2025	200	81	4	1	0.42	0.42
2030	200	88	4	2	0.91	0.91
2035	300	95	5	4	1.49	1.49
2040	325	104	5	5	2.17	2.17

# TRAFFIC DATA FOR PAVEMENT LOADING

Factors revised February 1999

Report date: 8/22/2017

County 40 RICHLAND

Route S- 2896 Route Name: Oscar Amick Rd.

Beginning termini MP 0.00

Ending termini: MP 0.10

Beginning mile post: 0.00

☐ 1-way ☒ 2-way

Number of lanes: 2

Percent Trucks.: 5

Critical Lane: 100

Type of pavement

☐ Flexible ☒ Rigid

Rd. Grp. (A-P) - Class 9 %: G - 19

Base year: 2020

Base year ADT: 125

Future year 2030

Projected ADT: 225

Future year 2040

Projected ADT: 325

200

## ONE-WAY EQUIVALENT DAILY 18 KIP SINGLE AXLE LOAD APPLICATIONS IN THE CRITICAL LANE

5 YR. DES. = 0.54

10 YR. DES. = 1.17

15 YR. DES. = 1.90

20 YR. DES. = 2.77

YEAR	ADT	AVERAGE ONE-WAY ADT TRUCKS	ADJUSTED TRUCKS	1-WAY EQUIV. 18 KIP TOTAL CRT. LN.
2020	125			
2025	200	81 4	1	0.54 0.54
2030	200	88 4	2	1.17 1.17
2035	300	96 5	4	1.90 1.90
2040	325	104 5	5	2.77 2.77



# TRAFFIC DATA FOR PAVEMENT LOADING

Factors revised February 1999

Report date: 8/22/2017

County 40 RICHLAND

Route S- 2897 Route Name: Broad Bill Rd.

Beginning termini MP 0.00

Ending termini: Mp 0.20

Beginning mile post: 0.00

☐ 1-way ☒ 2-way

Type of pavement

☒ Flexible ☐ Rigid

Number of lanes: 2

Percent Trucks.: 5

Critical Lane: 100

Rd. Grp. (A-P) - Class 9 %: G - 19

Base year: 2020

Base year ADT: 150

Future year 2030

Projected ADT: 250

Future year 2040

Projected ADT: 350

200

## ONE-WAY EQUIVALENT DAILY 18 KIP SINGLE AXLE LOAD APPLICATIONS IN THE CRITICAL LANE

5 YR. DES. = 0.46

10 YR. DES. = 0.96

15 YR. DES. = 1.54

20 YR. DES. = 2.25

YEAR	ADT	AVERAGE ONE-WAY ADT TRUCKS		ADJUSTED TRUCKS	1-WAY EQUIV. 18 KIP TOTAL CRT. LN.	
2020	150					
2025	200	88	4	1	0.46	0.46
2030	200	92	5	2	0.96	0.96
2035	300	98	6	4	1.54	1.54
2040	350	108	5	5	2.25	2.25

# TRAFFIC DATA FOR PAVEMENT LOADING

Factors revised February 1999

Report date: 8/22/2017

County 40 RICHLAND

Route S- 2897 Route Name: Broad Bill Rd.

Beginning termini MP 0.00

Ending termini: Mp 0.20

Beginning mile post: 0.00

☐ 1-way ☒ 2-way

Number of lanes: 2

Percent Trucks.: 5

Critical Lane: 100

Type of pavement  
☐ Flexible ☒ Rigid

Rd. Grp. (A-P) - Class 9 %: G - 19

Base year: 2020

Base year ADT: 150

Future year 2030

Projected ADT: 250

Future year 2040

Projected ADT: 350

200

## ONE-WAY EQUIVALENT DAILY 18 KIP SINGLE AXLE LOAD APPLICATIONS IN THE CRITICAL LANE

5 YR. DES. = 0.58

10 YR. DES. = 1.22

15 YR. DES. = 1.97

20 YR. DES. = 2.87

YEAR	ADT	AVERAGE ONE-WAY ADT TRUCKS		ADJUSTED TRUCKS	1-WAY EQUIV. 18 KIP TOTAL CRT. LN.	
2020	150					
2025	200	88	4	1	0.58	0.58
2030	200	92	5	2	1.22	1.22
2035	300	98	5	4	1.97	1.97
2040	350	108	5	5	2.87	2.87

# TRAFFIC DATA FOR PAVEMENT LOADING

Factors revised February 1999

Report date: 8/22/2017

County 40 RICHLAND

Route S- 2805 Route Name: Broad Stone Rd.

Beginning termini MP 0.00

Ending termini: MP 0.34

Beginning mile post: 0.00

☐ 1-way ☒ 2-way

Type of pavement

☒ Flexible ☐ Rigid

Number of lanes: 2

Percent Trucks.: 5

Critical Lane: 100

Rd. Grp. (A-P) - Class 9 %: G - 19

Base year: 2020

Base year ADT: 650

Future year 2030

Projected ADT: 800

Future year 2040

Projected ADT: 950

800

## ONE-WAY EQUIVALENT DAILY 18 KIP SINGLE AXLE LOAD APPLICATIONS IN THE CRITICAL LANE

5 YR. DES. = 1.76

10 YR. DES. = 3.66

15 YR. DES. = 5.72

20 YR. DES. = 7.92

YEAR	ADT	AVERAGE ONE-WAY ADT TRUCKS		ADJUSTED TRUCKS	1-WAY EQUIV. 18 KIP TOTAL CRT. LN.	
2020	650					
2025	700	338	17	4	1.76	1.76
2030	800	350	18	9	3.66	3.66
2035	900	365	18	14	5.72	5.72
2040	950	379	19	19	7.92	7.92

# TRAFFIC DATA FOR PAVEMENT LOADING

Factors revised February 1989

Report date: 8/22/2017

County 40 RICHLAND

Route S- 2805 Route Name: Broad Stone Rd.

Beginning termini MP 0.00

Ending termini: MP 0.34

Beginning mile post: 0.00

☐ 1-way    ☒ 2-way

Number of lanes: 2

Percent Trucks.: 5

Critical Lane: 100

Type of pavement  
☐ Flexible    ☒ Rigid

Rd. Grp. (A-P) - Class 9 %: G - 19

Base year: 2020      Base year ADT: 650

Future year 2030      Projected ADT: 800

Future year 2040      Projected ADT: 950

800

## ONE-WAY EQUIVALENT DAILY 18 KIP SINGLE AXLE LOAD APPLICATIONS IN THE CRITICAL LANE

5 YR. DES. =	<u>2.25</u>
10 YR. DES. =	<u>4.68</u>
15 YR. DES. =	<u>7.32</u>
20 YR. DES. =	<u>10.13</u>

YEAR	ADT	AVERAGE ONE-WAY		ADJUSTED TRUCKS	1-WAY EQUIV. 18 KIP	
		ADT	TRUCKS		TOTAL	CRIT. LN.
<u>2020</u>	<u>650</u>					
<u>2025</u>	<u>700</u>	<u>338</u>	<u>17</u>	<u>4</u>	<u>2.25</u>	<u>2.25</u>
<u>2030</u>	<u>800</u>	<u>350</u>	<u>18</u>	<u>9</u>	<u>4.68</u>	<u>4.68</u>
<u>2035</u>	<u>900</u>	<u>365</u>	<u>18</u>	<u>14</u>	<u>7.32</u>	<u>7.32</u>
<u>2040</u>	<u>950</u>	<u>379</u>	<u>19</u>	<u>19</u>	<u>10.13</u>	<u>10.13</u>

# TRAFFIC DATA FOR PAVEMENT LOADING

Factors revised February 1999

Report date: 8/22/2017

County 40 RICHLAND

Route S- 385 Route Name: Rauch-Metz Rd.

Beginning termini MP 0.00

Ending termini: MP 1.17

Beginning mile post: 0.00

☐ 1-way ☒ 2-way

Number of lanes: 2

Percent Trucks.: 5

Critical Lane: 100

Type of pavement  
☒ Flexible ☐ Rigid

Rd. Grp. (A-P) - Class 9 %: H - 25

Base year: 2020

Base year ADT: 7,000

Future year 2030

Projected ADT: 8700

Future year 2040

Projected ADT: 10400

8700

## ONE-WAY EQUIVALENT DAILY 18 KIP SINGLE AXLE LOAD APPLICATIONS IN THE CRITICAL LANE

5 YR. DES. = 21.83

10 YR. DES. = 45.34

15 YR. DES. = 70.61

20 YR. DES. = 97.56

YEAR	ADT	AVERAGE ONE-WAY ADT TRUCKS	ADJUSTED TRUCKS	1-WAY EQUIV. 18 KIP TOTAL CRT. LN.
2020	7,000			
2025	7,800	3,700 185	46	21.83 21.83
2030	8,700	3,842 192	96	45.34 45.34
2035	9,600	3,988 199	150	70.61 70.61
2040	10,400	4,133 207	207	97.56 97.56

# TRAFFIC DATA FOR PAVEMENT LOADING

Factors revised February 1999

Report date: 8/22/2017

County 40 RICHLAND

Route S- 385 Route Name: Rauch-Metz Rd.

Beginning termini MP 0.00

Ending termini: MP 1.17

Beginning mile post: 0.00

☐ 1-way ☒ 2-way

Number of lanes: 2

Percent Trucks.: 5

Critical Lane: 100

Type of pavement  
☐ Flexible ☒ Rigid

Rd. Grp. (A-P) - Class 9 %: H - 25

Base year: 2020

Base year ADT: 7,000

Future year 2030

Projected ADT: 8700

Future year 2040

Projected ADT: 10400

8700

## ONE-WAY EQUIVALENT DAILY 18 KIP SINGLE AXLE LOAD APPLICATIONS IN THE CRITICAL LANE

5 YR. DES. = 28.61

10 YR. DES. = 59.40

15 YR. DES. = 92.50

20 YR. DES. = 127.81

YEAR	ADT	AVERAGE ONE-WAY ADT TRUCKS		ADJUSTED TRUCKS	1-WAY EQUIV. 18 KIP TOTAL CRT. LN.	
2020	7,000					
2025	7,800	3,700	185	46	28.61	28.61
2030	8,700	3,842	192	96	59.40	59.40
2035	9,600	3,988	199	150	92.50	92.50
2040	10,400	4,133	207	207	127.81	127.81

# TRAFFIC DATA FOR PAVEMENT LOADING

Factors revised February 1989

Report date: 8/22/2017

County 40 RICHLAND

Route S- 959 Route Name: Julius Richardson Rd.

Beginning termini MP 0.00

Ending termini: MP 0.59

Beginning mile post: 0.00

☐ 1-way ☒ 2-way

Number of lanes: 2

Percent Trucks.: 5

Critical Lane: 100

Type of pavement

☒ Flexible ☐ Rigid

Rd. Grp. (A-P) - Class 9 %: G - 19

Base year: 2020

Base year ADT: 3,600

Future year 2030

Projected ADT: 4200

Future year 2040

Projected ADT: 5100

4200

## ONE-WAY EQUIVALENT DAILY 18 KIP SINGLE AXLE LOAD APPLICATIONS IN THE CRITICAL LANE

5 YR. DES. = 9.79

10 YR. DES. = 20.11

15 YR. DES. = 31.02

20 YR. DES. = 42.69

YEAR	ADT	AVERAGE ONE-WAY ADT TRUCKS		ADJUSTED TRUCKS	1-WAY EQUIV. 18 KIP TOTAL CRT. LN.	
2020	3,600					
2025	3,900	1,875	94	23	9.79	9.79
2030	4,200	1,925	96	48	20.11	20.11
2035	4,600	1,980	99	74	31.02	31.02
2040	5,100	2,044	102	102	42.69	42.69

# TRAFFIC DATA FOR PAVEMENT LOADING

Factors revised February 1989

Report date: 8/22/2017

County 40 RICHLAND

Route S- 959 Route Name: Julius Richardson Rd.

Beginning termini MP 0.00

Ending termini: MP 0.59

Beginning mile post: 0.00

☐ 1-way ☒ 2-way

Number of lanes: 2

Percent Trucks.: 5

Critical Lane: 100

Type of pavement  
☐ Flexible ☒ Rigid

Rd. Grp. (A-P) - Class 9 %: G - 19

Base year: 2020

Base year ADT: 3,600

Future year 2030

Projected ADT: 4200

Future year 2040

Projected ADT: 5100

4200

## ONE-WAY EQUIVALENT DAILY 18 KIP SINGLE AXLE LOAD APPLICATIONS IN THE CRITICAL LANE

5 YR. DES. = 12.53

10 YR. DES. = 25.72

15 YR. DES. = 39.69

20 YR. DES. = 54.61

YEAR	ADT	AVERAGE ONE-WAY ADT TRUCKS	ADJUSTED TRUCKS	1-WAY EQUIV. 18 KIP TOTAL CRT. LN.
2020	3,600			
2025	3,900	1,875 94	23	12.53 12.53
2030	4,200	1,925 96	48	25.72 25.72
2035	4,600	1,980 99	74	39.69 39.69
2040	5,100	2,044 102	102	54.61 54.61



# TRAFFIC DATA FOR PAVEMENT LOADING

Factors revised February 1998

Report date: 8/22/2017

County 40 RICHLAND

Route S- 612 Route Name: West Shady Grove Rd.

Beginning termini MP 0.00

Ending termini: MP 1.76

Beginning mile post: 0.00

☐ 1-way ☒ 2-way

Number of lanes: 2

Percent Trucks.: 5

Critical Lane: 100

Type of pavement

☒ Flexible ☐ Rigid

Rd. Grp. (A-P) - Class 9 %: H - 25

Base year: 2020

Base year ADT: 3,000

Future year 2030

Projected ADT: 3600

Future year 2040

Projected ADT: 4200

3600

## ONE-WAY EQUIVALENT DAILY 18 KIP SINGLE AXLE LOAD APPLICATIONS IN THE CRITICAL LANE

5 YR. DES. = 9.29

10 YR. DES. = 19.18

15 YR. DES. = 29.65

20 YR. DES. = 40.72

YEAR	ADT	AVERAGE ONE-WAY ADT TRUCKS		ADJUSTED TRUCKS	1-WAY EQUIV. 18 KIP TOTAL CRT. LN.	
2020	3,000					
2025	3,300	1,575	79	20	9.29	9.29
2030	3,600	1,625	81	41	19.18	19.18
2035	3,900	1,675	84	63	29.65	29.65
2040	4,200	1,725	86	86	40.72	40.72

# TRAFFIC DATA FOR PAVEMENT LOADING

Factors revised February 1999

Report date: 8/22/2017

County 40 RICHLAND

Route S- 612 Route Name: West Shady Grove Rd.

Beginning termini MP 0.00

Ending termini: MP 1.76

Beginning mile post: 0.00

☐ 1-way ☒ 2-way

Number of lanes: 2

Percent Trucks.: 5

Critical Lane: 100

Type of pavement

☐ Flexible ☒ Rigid

Rd. Grp. (A-P) - Class 9 %: H - 25

Base year: 2020

Base year ADT: 3,000

Future year 2030

Projected ADT: 3600

Future year 2040

Projected ADT: 4200

3600

## ONE-WAY EQUIVALENT DAILY 18 KIP SINGLE AXLE LOAD APPLICATIONS IN THE CRITICAL LANE

5 YR. DES. = 12.18

10 YR. DES. = 25.13

15 YR. DES. = 38.85

20 YR. DES. = 53.35

YEAR	ADT	AVERAGE ONE-WAY ADT TRUCKS	ADJUSTED TRUCKS	1-WAY EQUIV. 18 KIP TOTAL CRT. LN.
<u>2020</u>	<u>3,000</u>			
<u>2025</u>	<u>3,300</u>	<u>1,575</u> <u>79</u>	<u>20</u>	<u>12.18</u> <u>12.18</u>
<u>2030</u>	<u>3,600</u>	<u>1,625</u> <u>81</u>	<u>41</u>	<u>25.13</u> <u>25.13</u>
<u>2035</u>	<u>3,900</u>	<u>1,675</u> <u>84</u>	<u>63</u>	<u>38.85</u> <u>38.85</u>
<u>2040</u>	<u>4,200</u>	<u>1,725</u> <u>86</u>	<u>86</u>	<u>53.35</u> <u>53.35</u>

# TRAFFIC DATA FOR PAVEMENT LOADING

Factors revised February 1999

Report date: 8/22/2017

County 40 RICHLAND

Route S- 1403 Route Name: Stone Hill Rd

Beginning termini MP 0.00

Ending termini: MP 2.05

Beginning mile post: 0.00

☐ 1-way ☒ 2-way

Number of lanes: 2

Percent Trucks.: 8

Critical Lane: 100

Type of pavement  
☐ Flexible ☒ Rigid

Rd. Grp. (A-P) - Class 9 %: H - 25

Base year: 2020

Base year ADT: 2,600

Future year 2030

Projected ADT: 3200

Future year 2040

Projected ADT: 3800

3200

## ONE-WAY EQUIVALENT DAILY 18 KIP SINGLE AXLE LOAD APPLICATIONS IN THE CRITICAL LANE

5 YR. DES. = 17.01

10 YR. DES. = 35.25

15 YR. DES. = 54.74

20 YR. DES. = 75.46

YEAR	ADT	AVERAGE ONE-WAY ADT TRUCKS		ADJUSTED TRUCKS	1-WAY EQUIV. 18 KIP TOTAL CRT. LN.	
2020	2,600					
2025	2,900	1,375	110	28	17.01	17.01
2030	3,200	1,425	114	57	35.25	35.25
2035	3,500	1,475	118	89	54.74	54.74
2040	3,800	1,525	122	122	75.46	75.46

# TRAFFIC DATA FOR PAVEMENT LOADING

Factors revised February 1999

Report date: 8/22/2017

County 40 RICHLAND

Route S- 1403 Route Name: Stone Hill Rd

Beginning termini MP 0.00

Ending termini: MP 2.05

Beginning mile post: 0.00

☐ 1-way ☒ 2-way

Number of lanes: 2

Percent Trucks.: 8

Critical Lane: 100

Type of pavement

☒ Flexible ☐ Rigid

Rd. Grp. (A-P) - Class 9 %: H - 25

Base year: 2020

Base year ADT: 2,600

Future year 2030

Projected ADT: 3200

Future year 2040

Projected ADT: 3800

3200

## ONE-WAY EQUIVALENT DAILY 18 KIP SINGLE AXLE LOAD APPLICATIONS IN THE CRITICAL LANE

5 YR. DES. = 12.98

10 YR. DES. = 26.91

15 YR. DES. = 41.78

20 YR. DES. = 57.60

YEAR	ADT	AVERAGE ONE-WAY ADT TRUCKS		ADJUSTED TRUCKS	1-WAY EQUIV. 18 KIP TOTAL CRT. LN.	
2020	2,600					
2025	2,900	1,375	110	28	12.98	12.98
2030	3,200	1,425	114	57	26.91	26.91
2035	3,500	1,475	118	89	41.78	41.78
2040	3,800	1,525	122	122	57.60	57.60

# TRAFFIC DATA FOR PAVEMENT LOADING

Factors revised February 1989

Report date: 8/22/2017

County 40 RICHLAND

Route S- 2899 Route Name: Bookle Richardson Rd.

Beginning termini MP 0.00

Ending termini: MP 0.30

Beginning mile post: 0.00

☐ 1-way ☒ 2-way

Number of lanes: 2

Percent Trucks.: 8

Critical Lane: 100

Type of pavement  
☒ Flexible ☐ Rigid

Rd. Grp. (A-P) - Class 9 %: G - 19

Base year: 2020

Base year ADT: 150

Future year 2030

Projected ADT: 250

Future year 2040

Projected ADT: 350

200

## ONE-WAY EQUIVALENT DAILY 18 KIP SINGLE AXLE LOAD APPLICATIONS IN THE CRITICAL LANE

5 YR. DES. = 0.73

10 YR. DES. = 1.53

15 YR. DES. = 2.47

20 YR. DES. = 3.59

YEAR	ADT	AVERAGE ONE-WAY ADT TRUCKS		ADJUSTED TRUCKS	1-WAY EQUIV. 18 KIP TOTAL CRT. LN.	
2020	150					
2025	200	88	7	2	0.73	0.73
2030	200	92	7	4	1.53	1.53
2035	300	98	8	6	2.47	2.47
2040	350	108	9	9	3.59	3.59

# TRAFFIC DATA FOR PAVEMENT LOADING

Factors revised February 1999

Report date: 8/22/2017

County 40 RICHLAND

Route S- 2899 Route Name: Bookie Richardson Rd.

Beginning termini MP 0.00

Ending termini: MP 0.30

Beginning mile post: 0.00

☐ 1-way ☒ 2-way

Number of lanes: 2

Percent Trucks.: 8

Critical Lane: 100

Type of pavement

☐ Flexible ☒ Rigid

Rd. Grp. (A-P) - Class 9 %: G - 19

Base year: 2020

Base year ADT: 150

Future year 2030

Projected ADT: 250

Future year 2040

Projected ADT: 350

200

## ONE-WAY EQUIVALENT DAILY 18 KIP SINGLE AXLE LOAD APPLICATIONS IN THE CRITICAL LANE

5 YR. DES. = 0.94

10 YR. DES. = 1.96

15 YR. DES. = 3.15

20 YR. DES. = 4.60

YEAR	ADT	AVERAGE ONE-WAY ADT TRUCKS		ADJUSTED TRUCKS	1-WAY EQUIV. 18 KIP TOTAL CRT. LN.	
2020	150					
2025	200	88	7	2	0.94	0.94
2030	200	92	7	4	1.96	1.96
2035	300	98	8	6	3.15	3.15
2040	350	108	9	9	4.60	4.60

# TRAFFIC DATA FOR PAVEMENT LOADING

Factors revised February 1998

Report date: 8/22/2017

County 40 RICHLAND

Route S- 2698 Route Name: White Rock Rd.

Beginning termini MP 0.00

Ending termini: MP 0.44

Beginning mile post: 0.00

☐ 1-way ☒ 2-way

Number of lanes: 2

Percent Trucks.: 8

Critical Lane: 100

Type of pavement  
☒ Flexible ☐ Rigid

Rd. Grp. (A-P) - Class 9 %: G - 19

Base year: 2020

Base year ADT: 200

Future year 2030

Projected ADT: 300

Future year 2040

Projected ADT: 400

300

## ONE-WAY EQUIVALENT DAILY 18 KIP SINGLE AXLE LOAD APPLICATIONS IN THE CRITICAL LANE

5 YR. DES. = 0.84

10 YR. DES. = 1.81

15 YR. DES. = 3.05

20 YR. DES. = 4.44

YEAR	ADT	AVERAGE ONE-WAY ADT TRUCKS		ADJUSTED TRUCKS	1-WAY EQUIV. 18 KIP TOTAL CRT. LN.	
2020	200					
2025	200	100	8	2	0.84	0.84
2030	300	108	9	4	1.81	1.81
2035	400	122	10	7	3.05	3.05
2040	400	133	11	11	4.44	4.44

# TRAFFIC DATA FOR PAVEMENT LOADING

Factors revised February 1999

Report date: 8/22/2017

County 40 RICHLAND

Route S- 2698 Route Name: White Rock Rd.

Beginning termini MP 0.00

Ending termini: MP 0.44

Beginning mile post: 0.00

☐ 1-way ☒ 2-way

Number of lanes: 2

Percent Trucks.: 8

Critical Lane: 100

Type of pavement  
☐ Flexible ☒ Rigid

Rd. Grp. (A-P) - Class 9 %: G - 19

Base year: 2020

Base year ADT: 200

Future year 2030

Projected ADT: 300

Future year 2040

Projected ADT: 400

300

## ONE-WAY EQUIVALENT DAILY 18 KIP SINGLE AXLE LOAD APPLICATIONS IN THE CRITICAL LANE

5 YR. DES. = 1.07

10 YR. DES. = 2.32

15 YR. DES. = 3.90

20 YR. DES. = 5.68

YEAR	ADT	AVERAGE ONE-WAY ADT TRUCKS		ADJUSTED TRUCKS	1-WAY EQUIV. 18 KIP TOTAL CRT. LN.	
2020	200					
2025	200	100	8	2	1.07	1.07
2030	300	108	9	4	2.32	2.32
2035	400	122	10	7	3.90	3.90
2040	400	133	11	11	5.68	5.68



# TRAFFIC DATA FOR PAVEMENT LOADING

Factors revised February 1999

Report date: 8/22/2017

County 40 RICHLAND

Route S- 2903 Route Name: Mount Olivet Church Rd.

Beginning termini MP 0.00

Ending termini: MP 1.17

Beginning mile post: 0.00

☐ 1-way ☒ 2-way

Number of lanes: 2

Percent Trucks.: 8

Critical Lane: 100

Type of pavement  
☒ Flexible ☐ Rigid

Rd. Grp. (A-P) - Class 9 %: G - 19

Base year: 2020

Base year ADT: 150

Future year 2030

Projected ADT: 250

Future year 2040

Projected ADT: 350

200

## ONE-WAY EQUIVALENT DAILY 18 KIP SINGLE AXLE LOAD APPLICATIONS IN THE CRITICAL LANE

5 YR. DES. = 0.73

10 YR. DES. = 1.53

15 YR. DES. = 2.47

20 YR. DES. = 3.59

YEAR	ADT	AVERAGE ONE-WAY ADT TRUCKS		ADJUSTED TRUCKS	1-WAY EQUIV. 18 KIP TOTAL CRT. LN.	
2020	150					
2025	200	88	7	2	0.73	0.73
2030	200	92	7	4	1.53	1.53
2035	300	98	8	6	2.47	2.47
2040	350	108	9	9	3.59	3.59

# TRAFFIC DATA FOR PAVEMENT LOADING

Factors revised February 1999

Report date: 8/22/2017

County 40 RICHLAND

Route S- 2903 Route Name: Mount Olivet Church Rd.

Beginning termini MP 0.00

Ending termini: MP 1.17

Beginning mile post: 0.00

☐ 1-way ☒ 2-way

Number of lanes: 2

Percent Trucks.: 8

Critical Lane: 100

Type of pavement  
☐ Flexible ☒ Rigid

Rd. Grp. (A-P) - Class 9 %: G - 19

Base year: 2020

Base year ADT: 150

Future year 2030

Projected ADT: 250

Future year 2040

Projected ADT: 350

200

## ONE-WAY EQUIVALENT DAILY 18 KIP SINGLE AXLE LOAD APPLICATIONS IN THE CRITICAL LANE

5 YR. DES. = 0.94

10 YR. DES. = 1.96

15 YR. DES. = 3.15

20 YR. DES. = 4.60

YEAR	ADT	AVERAGE ONE-WAY ADT TRUCKS		ADJUSTED TRUCKS	1-WAY EQUIV. 18 KIP TOTAL CRT. LN.	
2020	150					
2025	200	88	7	2	0.94	0.94
2030	200	92	7	4	1.96	1.96
2035	300	98	8	6	3.15	3.15
2040	350	108	9	9	4.60	4.60

# TRAFFIC DATA FOR PAVEMENT LOADING

Factors revised February 1999

Report date: 8/22/2017

County 40 RICHLAND

Route S- 2900 Route Name: Stone Hill Rd.

Beginning termini MP 0.00

Ending termini: MP 0.54

Beginning mile post: 0.00

☐ 1-way ☒ 2-way

Type of pavement

☒ Flexible ☐ Rigid

Number of lanes: 2

Percent Trucks.: 8

Critical Lane: 100

Rd. Grp. (A-P) - Class 9 %: H - 25

Base year: 2020

Base year ADT: 2,600

Future year 2030

Projected ADT: 3200

Future year 2040

Projected ADT: 3800

3200

## ONE-WAY EQUIVALENT DAILY 18 KIP SINGLE AXLE LOAD APPLICATIONS IN THE CRITICAL LANE

5 YR. DES. = 12.98

10 YR. DES. = 26.91

15 YR. DES. = 41.78

20 YR. DES. = 57.60

YEAR	ADT	AVERAGE ONE-WAY ADT TRUCKS	ADJUSTED TRUCKS	1-WAY EQUIV. 18 KIP TOTAL CRT. LN.
2020	2,600			
2025	2,900	1,375	110	28
2030	3,200	1,425	114	57
2035	3,500	1,475	118	89
2040	3,800	1,525	122	122
				12.98
				26.91
				41.78
				57.60

# TRAFFIC DATA FOR PAVEMENT LOADING

Factors revised February 1999

Report date: 8/22/2017

County 40 RICHLAND

Route S- 2900 Route Name: Stone Hill Rd.

Beginning termini MP 0.00

Ending termini: MP 0.54

Beginning mile post: 0.00

☐ 1-way ☒ 2-way

Number of lanes: 2

Percent Trucks.: 8

Critical Lane: 100

Type of pavement

☐ Flexible ☒ Rigid

Rd. Grp. (A-P) - Class 9 %: H - 25

Base year: 2020

Base year ADT: 2,600

Future year 2030

Projected ADT: 3200

Future year 2040

Projected ADT: 3800

3200

## ONE-WAY EQUIVALENT DAILY 18 KIP SINGLE AXLE LOAD APPLICATIONS IN THE CRITICAL LANE

5 YR. DES. = 17.01

10 YR. DES. = 35.25

15 YR. DES. = 54.74

20 YR. DES. = 75.46

YEAR	ADT	AVERAGE ONE-WAY ADT TRUCKS		ADJUSTED TRUCKS	1-WAY EQUIV. 18 KIP TOTAL CRT. LN.	
2020	2,600					
2025	2,900	1,375	110	28	17.01	17.01
2030	3,200	1,425	114	57	35.25	35.25
2035	3,500	1,475	118	89	54.74	54.74
2040	3,800	1,525	122	122	75.46	75.46





# TRAFFIC DATA FOR PAVEMENT LOADING

Factors revised February 1999

Report date: 8/22/2017

County 32 LEXINGTON

Route S- 689 Route Name: Dan Comalander Dr.

Beginning termini MP 0.00

Ending termini: MP 1.04

Beginning mile post: 0.00

☐ 1-way ☒ 2-way

Number of lanes: 2

Percent Trucks.: 8

Critical Lane: 100

Type of pavement  
☒ Flexible ☐ Rigid

Rd. Grp. (A-P) - Class 9 %: G - 19

Base year: 2020

Base year ADT: 450

Future year 2030

Projected ADT: 650

Future year 2040

Projected ADT: 850

600

## ONE-WAY EQUIVALENT DAILY 18 KIP SINGLE AXLE LOAD APPLICATIONS IN THE CRITICAL LANE

5 YR. DES. = 1.98

10 YR. DES. = 4.18

15 YR. DES. = 6.64

20 YR. DES. = 9.44

YEAR	ADT	AVERAGE ONE-WAY ADT TRUCKS		ADJUSTED TRUCKS	1-WAY EQUIV. 18 KIP TOTAL CRT. LN.	
2020	450					
2025	500	238	19	5	1.98	1.98
2030	600	250	20	10	4.18	4.18
2035	700	265	21	16	6.64	6.64
2040	850	283	23	23	9.44	9.44

# TRAFFIC DATA FOR PAVEMENT LOADING

Factors revised February 1999

Report date: 8/22/2017

County 32 LEXINGTON

Route S- 689 Route Name: Dan Comalander Dr.

Beginning termini MP 0.00

Ending termini: MP 1.04

Beginning mile post: 0.00

☐ 1-way ☒ 2-way

Number of lanes: 2

Percent Trucks.: 8

Critical Lane: 100

Type of pavement

☐ Flexible ☒ Rigid

Rd. Grp. (A-P) - Class 9 %: G - 19

Base year: 2020

Base year ADT: 450

Future year 2030

Projected ADT: 650

Future year 2040

Projected ADT: 850

600

## ONE-WAY EQUIVALENT DAILY 18 KIP SINGLE AXLE LOAD APPLICATIONS IN THE CRITICAL LANE

5 YR. DES. = 2.54

10 YR. DES. = 5.35

15 YR. DES. = 8.50

20 YR. DES. = 12.08

YEAR	ADT	AVERAGE ONE-WAY ADT TRUCKS		ADJUSTED TRUCKS	1-WAY EQUIV. 18 KIP TOTAL CRT. LN.	
2020	450					
2025	500	238	19	5	2.54	2.54
2030	600	250	20	10	5.35	5.35
2035	700	265	21	16	8.50	8.50
2040	850	283	23	23	12.08	12.08



# TRAFFIC DATA FOR PAVEMENT LOADING

Factors revised February 1999

Report date: 8/22/2017

County 32 LEXINGTON

Route S- 232 Route Name: Crooked Creek Rd.

Beginning termini MP 0.00

Ending termini: MP 2.87

Beginning mile post: 0.00

☐ 1-way ☒ 2-way

Number of lanes: 2

Percent Trucks.: 8

Critical Lane: 100

Type of pavement  
☒ Flexible ☐ Rigid

Rd. Grp. (A-P) - Class 9 %: G - 19

Base year: 2020

Future year 2030

Future year 2040

Base year ADT: 750

Projected ADT: 1000

Projected ADT: 1250

1000

## ONE-WAY EQUIVALENT DAILY 18 KIP SINGLE AXLE LOAD APPLICATIONS IN THE CRITICAL LANE

5 YR. DES. = 3.45

10 YR. DES. = 7.24

15 YR. DES. = 11.32

20 YR. DES. = 15.75

YEAR	ADT	AVERAGE ONE-WAY ADT TRUCKS	ADJUSTED TRUCKS	1-WAY EQUIV. 18 KIP TOTAL CRT. LN.
2020	750			
2025	900	413 33	8	3.45 3.45
2030	1,000	433 35	17	7.24 7.24
2035	1,100	452 36	27	11.32 11.32
2040	1,250	471 38	38	15.75 15.75

# TRAFFIC DATA FOR PAVEMENT LOADING

Factors revised February 1999

Report date: 8/22/2017

County 32 LEXINGTON

Route S- 232 Route Name: Crooked Creek Rd.

Beginning termini MP 0.00

Ending termini: MP 2.87

Beginning mile post: 0.00

☐ 1-way ☒ 2-way

Number of lanes: 2

Type of pavement

Percent Trucks.: 8

☐ Flexible ☒ Rigid

Critical Lane: 100

Rd. Grp. (A-P) - Class 9 %: G - 19

Base year: 2020

Base year ADT: 750

Future year 2030

Projected ADT: 1000

Future year 2040

Projected ADT: 1250

1000

## ONE-WAY EQUIVALENT DAILY 18 KIP SINGLE AXLE LOAD APPLICATIONS IN THE CRITICAL LANE

5 YR. DES. =	4.41
10 YR. DES. =	9.26
15 YR. DES. =	14.48
20 YR. DES. =	20.14

YEAR	ADT	AVERAGE ONE-WAY ADT TRUCKS	ADJUSTED TRUCKS	1-WAY EQUIV. 18 KIP TOTAL CRT. LN.
2020	750			
2025	900	413	33	8
2030	1,000	433	35	17
2035	1,100	452	36	27
2040	1,250	471	38	38

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AST (Truck)  
Functional Class

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AST (Truck)  
Functional Class  
Location  
Milepoint  
Municipality  
Commission  
District  
Latitude (DDMMSS)  
Longitude (DDMMSS)  
Latitude (Decimal)  
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# TRAFFIC DATA FOR PAVEMENT LOADING

Factors revised February 1999

Report date: 8/22/2017

County 36 NEWBERRY

Route S- 29 Route Name: Clark Rd.

Beginning termini MP 0.00

Ending termini: MP 2.77

Beginning mile post: 0.00

☐ 1-way ☒ 2-way

Number of lanes: 2

Percent Trucks.: 8

Critical Lane: 100

Type of pavement

☒ Flexible ☐ Rigid

Rd. Grp. (A-P) - Class 9 %: G - 19

Base year: 2020

Base year ADT: 1,100

Future year 2030

Projected ADT: 1350

Future year 2040

Projected ADT: 1600

1400

## ONE-WAY EQUIVALENT DAILY 18 KIP SINGLE AXLE LOAD APPLICATIONS IN THE CRITICAL LANE

5 YR. DES. = 4.80

10 YR. DES. = 10.03

15 YR. DES. = 15.67

20 YR. DES. = 21.61

YEAR	ADT	AVERAGE ONE-WAY ADT TRUCKS		ADJUSTED TRUCKS	1-WAY EQUIV. 18 KIP TOTAL CRT. LN.	
2020	1,100					
2025	1,200	575	46	12	4.80	4.80
2030	1,400	600	48	24	10.03	10.03
2035	1,500	625	50	38	15.67	15.67
2040	1,600	646	52	52	21.61	21.61

# TRAFFIC DATA FOR PAVEMENT LOADING

Factors revised February 1999

Report date: 8/22/2017

County 36 NEWBERRY

Route S- 29 Route Name: Clark Rd.

Beginning termini MP 0.00

Ending termini: MP 2.77

Beginning mile post: 0.00

☐ 1-way ☒ 2-way

Number of lanes: 2

Percent Trucks.: 8

Critical Lane: 100

Type of pavement

☐ Flexible ☒ Rigid

Rd. Grp. (A-P) - Class 9 %: G - 19

Base year: 2020

Base year ADT: 1,100

Future year 2030

Projected ADT: 1350

Future year 2040

Projected ADT: 1600

1400

## ONE-WAY EQUIVALENT DAILY 18 KIP SINGLE AXLE LOAD APPLICATIONS IN THE CRITICAL LANE

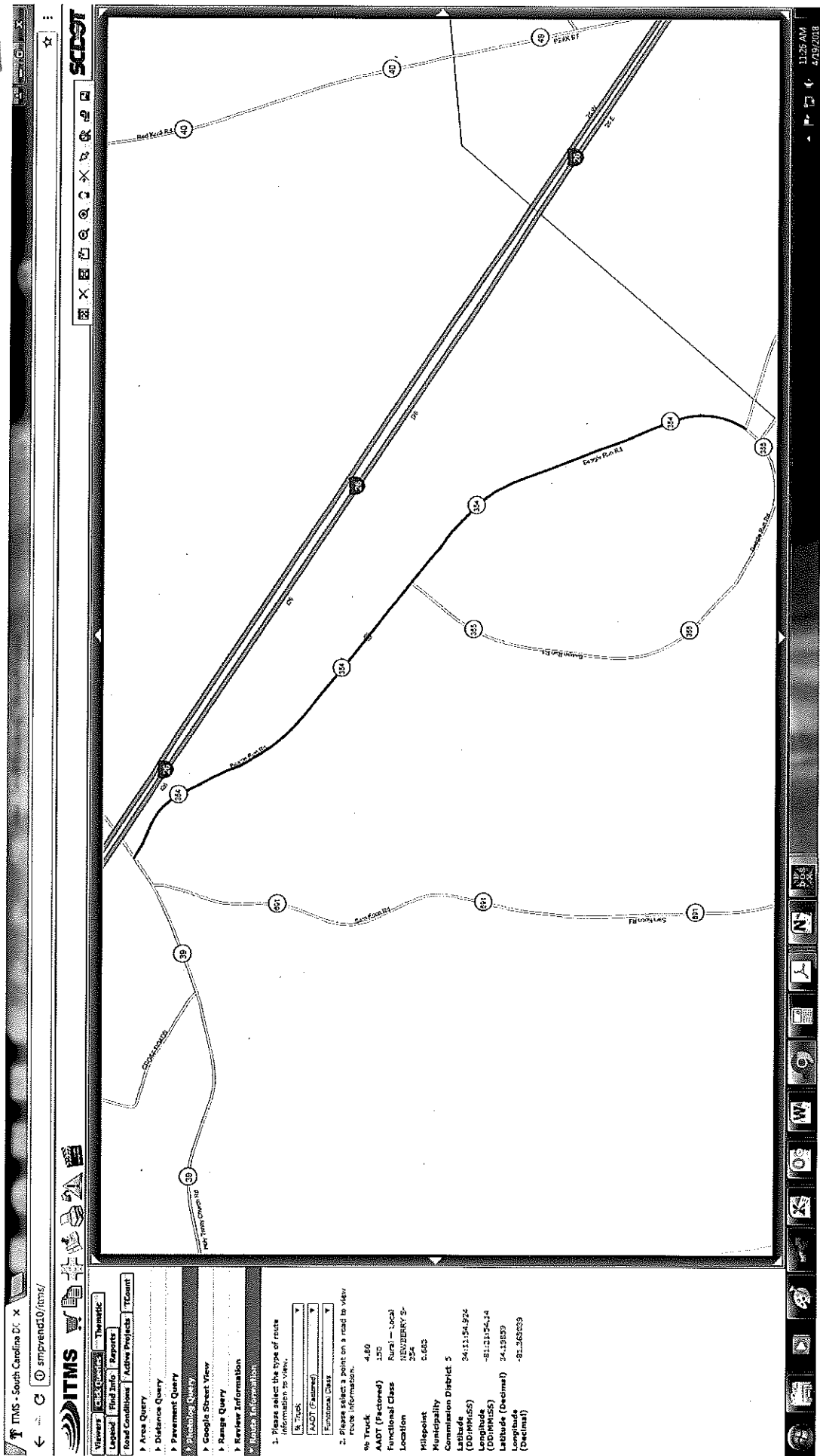
5 YR. DES. = 6.15

10 YR. DES. = 12.83

15 YR. DES. = 20.04

20 YR. DES. = 27.64

YEAR	ADT	AVERAGE ONE-WAY ADT TRUCKS		ADJUSTED TRUCKS	1-WAY EQUIV. 18 KIP TOTAL CRT. LN.	
2020	1,100					
2025	1,200	575	46	12	6.15	6.15
2030	1,400	600	48	24	12.83	12.83
2035	1,500	625	50	38	20.04	20.04
2040	1,600	646	52	52	27.64	27.64















# TRAFFIC DATA FOR PAVEMENT LOADING

Factors revised February 1999

Report date: 8/22/2017

County 36 NEWBERRY

Route S- 811 Route Name: Meadow Brook Rd.

Beginning termini MP 0.00

Ending termini: MP 1.67

Beginning mile post: 0.00

☐ 1-way ☒ 2-way

Number of lanes: 2

Percent Trucks.: 8

Critical Lane: 100

Type of pavement

☒ Flexible ☐ Rigid

Rd. Grp. (A-P) - Class 9 %: G - 19

Base year: 2020

Base year ADT: 150

Future year 2030

Projected ADT: 200

Future year 2040

Projected ADT: 250

200

## ONE-WAY EQUIVALENT DAILY 18 KIP SINGLE AXLE LOAD APPLICATIONS IN THE CRITICAL LANE

5 YR. DES. = 0.73

10 YR. DES. = 1.53

15 YR. DES. = 2.34

20 YR. DES. = 3.21

YEAR	ADT	AVERAGE ONE-WAY ADT TRUCKS		ADJUSTED TRUCKS	1-WAY EQUIV. 18 KIP TOTAL CRT. LN.	
2020	150					
2025	200	88	7	2	0.73	0.73
2030	200	92	7	4	1.53	1.53
2035	200	93	7	6	2.34	2.34
2040	250	96	8	8	3.21	3.21

# TRAFFIC DATA FOR PAVEMENT LOADING

Factors revised February 1999

Report date: 8/22/2017

County 36 NEWBERRY

Route S- 811 Route Name: Meadow Brook Rd.

Beginning termini MP 0.00

Ending termini: MP 1.67

Beginning mile post: 0.00

☐ 1-way ☒ 2-way

Number of lanes: 2

Percent Trucks.: 8

Critical Lane: 100

Type of pavement

☐ Flexible ☒ Rigid

Rd. Grp. (A-P) - Class 9 %: G - 19

Base year: 2020

Base year ADT: 150

Future year 2030

Projected ADT: 200

Future year 2040

Projected ADT: 250

200

## ONE-WAY EQUIVALENT DAILY 18 KIP SINGLE AXLE LOAD APPLICATIONS IN THE CRITICAL LANE

5 YR. DES. = 0.94

10 YR. DES. = 1.96

15 YR. DES. = 2.99

20 YR. DES. = 4.11

YEAR	ADT	AVERAGE ONE-WAY ADT TRUCKS		ADJUSTED TRUCKS	1-WAY EQUIV. 18 KIP TOTAL CRT. LN.	
2020	150					
2025	200	88	7	2	0.94	0.94
2030	200	92	7	4	1.96	1.96
2035	200	93	7	6	2.99	2.99
2040	250	96	8	8	4.11	4.11