

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 1999

Report date: 8/22/2017

County 40 RICHLAND

Route S- 58 Route Name: Koon Rd

Beginning termini MP 3.43

Ending termini: MP 3.47

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: 6,600

Future year 2030

Projected ADT: 7700

Future year 2040

Projected ADT: 8900

7700

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

5 YR. DES. = 20.36

10 YR. DES. = 41.80

15 YR. DES. = 64.32

20 YR. DES. = 88.01

YEAR	ADT	AVERAGE ONE-WAY ADT TRUCKS		ADJUSTED TRUCKS	1-WAY EQUIV. 18 KIP TOTAL CRT. LN.	
2020	6,600					
2025	7,200	3,450	173	43	20.36	20.36
2030	7,700	3,542	177	89	41.80	41.80
2035	8,300	3,633	182	136	64.32	64.32
2040	8,900	3,729	186	186	88.01	88.01

TRAFFIC DATA FOR PAVEMENT LOADING

Factors revised February 1999

Report date: 8/22/2017

County 40 RICHLAND

Route S- 58 Route Name: Koon Rd

Beginning termini MP 3.43

Ending termini: MP 3.47

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: 6,600

Future year 2030

Projected ADT: 7700

Future year 2040

Projected ADT: 8900

7700

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

5 YR. DES. = 26.67

10 YR. DES. = 54.76

15 YR. DES. = 84.27

20 YR. DES. = 115.31

YEAR	ADT	AVERAGE ONE-WAY ADT TRUCKS		ADJUSTED TRUCKS	1-WAY EQUIV. 18 KIP TOTAL CRT. LN.	
2020	6,600					
2025	7,200	3,450	173	43	26.67	26.67
2030	7,700	3,542	177	89	54.76	54.76
2035	8,300	3,633	182	136	84.27	84.27
2040	8,900	3,729	186	186	115.31	115.31

TRAFFIC DATA FOR PAVEMENT LOADING

Factors revised February 1989

Report date: 7/21/2017

County 40 RICHLAND

Route S- 80 Route Name: Shady Grove Rd at I-26

Beginning termini MP 0.70 - MP 0.72

Ending termini: I-26 Design/Build widening project

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: 6,400

Future year 2030

Projected ADT: 7900

Future year 2040

Projected ADT: 9500

7900

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

5 YR. DES. = 32.10

10 YR. DES. = 66.57

15 YR. DES. = 103.39

20 YR. DES. = 142.71

YEAR	ADT	AVERAGE ONE-WAY ADT TRUCKS		ADJUSTED TRUCKS	1-WAY EQUIV. 18 KIP TOTAL CRT. LN.	
2020	6,400					
2025	7,200	3,400	272	68	32.10	32.10
2030	7,900	3,525	282	141	66.57	66.57
2035	8,700	3,650	292	219	103.39	103.39
2040	9,500	3,779	302	302	142.71	142.71

TRAFFIC DATA FOR PAVEMENT LOADING

Factors revised February 1999

Report date: 7/21/2017

County 40 RICHLAND

Route S- 80 Route Name: Shady Grove Rd at I-26

Beginning termini MP 0.70 - MP 0.72

Ending termini: I-26 Design/Build widening project

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 %: H - 25

Base year: 2020

Base year ADT: 6,400

Future year 2030

Projected ADT: 7900

Future year 2040

Projected ADT: 9500

7900

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

5 YR. DES. = 42.06

10 YR. DES. = 87.21

15 YR. DES. = 135.45

20 YR. DES. = 186.96

YEAR	ADT	AVERAGE ONE-WAY ADT TRUCKS		ADJUSTED TRUCKS	1-WAY EQUIV. 18 KIP TOTAL CRT. LN.	
2020	6,400					
2025	7,200	3,400	272	68	42.06	42.06
2030	7,900	3,525	282	141	87.21	87.21
2035	8,700	3,650	292	219	135.45	135.45
2040	9,500	3,779	302	302	186.96	186.96

TRAFFIC DATA FOR PAVEMENT LOADING

Factors revised February 1999

Report date: 8/22/2017

County 40 RICHLAND

Route US 176 Route Name:

Beginning termini MP 8.20

Ending termini: MP 8.24

Beginning mile post: 0.00

☐ 1-way ☒ 2-way

Number of lanes: 2

Percent Trucks.: 6

Critical Lane: 100

Type of pavement
☒ Flexible ☐ Rigid

Rd. Grp. (A-P) - Class 9 %: J - 36

Base year: 2020

Base year ADT: 13,800

Future year 2030

Projected ADT: 16500

Future year 2040

Projected ADT: 19200

16500

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

5 YR. DES. = 63.31

10 YR. DES. = 130.56

15 YR. DES. = 201.60

20 YR. DES. = 276.56

YEAR	ADT	AVERAGE ONE-WAY ADT TRUCKS		ADJUSTED TRUCKS	1-WAY EQUIV. 18 KIP TOTAL CRT. LN.	
2020	13,800					
2025	15,200	7,250	435	109	63.31	63.31
2030	16,500	7,475	449	224	130.56	130.56
2035	17,800	7,695	462	346	201.60	201.60
2040	19,200	7,917	475	475	276.56	276.56

TRAFFIC DATA FOR PAVEMENT LOADING

Factors revised February 1999

Report date: 8/22/2017

County 40 RICHLAND

Route US 176 Route Name:

Beginning termini MP 8.20

Ending termini: MP 8.24

Beginning mile post: 0.00

☐ 1-way ☒ 2-way

Number of lanes: 2

Percent Trucks.: 6

Critical Lane: 100

Type of pavement
☐ Flexible ☒ Rigid

Rd. Grp. (A-P) - Class 9 %: J - 36

Base year: 2020

Base year ADT: 13,800

Future year 2030

Projected ADT: 16500

Future year 2040

Projected ADT: 19200

16500

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

5 YR. DES. = 86.23

10 YR. DES. = 177.81

15 YR. DES. = 274.56

20 YR. DES. = 376.65

YEAR	ADT	AVERAGE ONE-WAY ADT TRUCKS		ADJUSTED TRUCKS	1-WAY EQUIV. 18 KIP TOTAL CRT. LN.	
2020	13,800					
2025	15,200	7,250	435	109	86.23	86.23
2030	16,500	7,475	449	224	177.81	177.81
2035	17,800	7,695	462	346	274.56	274.56
2040	19,200	7,917	475	475	376.65	376.65

TRAFFIC DATA FOR PAVEMENT LOADING

Factors revised February 1999

Report date: 8/22/2017

County 40 RICHLAND

Route S- 234 Route Name: Mt. Vernon Church Rd.

Beginning termini MP 1.06

Ending termini: MP 1.12

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: 3,800

Future year 2030

Projected ADT: 4700

Future year 2040

Projected ADT: 5700

4700

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

5 YR. DES. = 18.88

10 YR. DES. = 39.18

15 YR. DES. = 61.04

20 YR. DES. = 84.47

YEAR	ADT	AVERAGE ONE-WAY ADT TRUCKS		ADJUSTED TRUCKS	1-WAY EQUIV. 18 KIP TOTAL CRT. LN.	
2020	3,800					
2025	4,200	2,000	160	40	18.88	18.88
2030	4,700	2,075	166	83	39.18	39.18
2035	5,200	2,155	172	129	61.04	61.04
2040	5,700	2,236	179	179	84.47	84.47

TRAFFIC DATA FOR PAVEMENT LOADING

Factors revised February 1999

Report date: 8/22/2017

County 40 RICHLAND

Route S- 234 Route Name: Mt. Vernon Church Rd.

Beginning termini MP 1.06

Ending termini: MP 1.12

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: 3,800

Future year 2030

Projected ADT: 4700

Future year 2040

Projected ADT: 5700

4700

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

5 YR. DES. = 24.74

10 YR. DES. = 51.34

15 YR. DES. = 79.97

20 YR. DES. = 110.66

YEAR	ADT	AVERAGE ONE-WAY ADT TRUCKS	ADJUSTED TRUCKS	1-WAY EQUIV. 18 KIP TOTAL CRT. LN.
2020	3,800			
2025	4,200	2,000 160	40	24.74 24.74
2030	4,700	2,075 166	83	51.34 51.34
2035	5,200	2,155 172	129	79.97 79.97
2040	5,700	2,236 179	179	110.66 110.66

5

TRAFFIC DATA FOR PAVEMENT LOADING

Factors revised February 1999

Report date: 7/21/2017

County 40 RICHLAND

Route S- 405 Route Name: Old Hilton Rd. at I-26

Beginning terminl MP 0.65 - MP 0.67

Ending terminl: I-26 Design/Build widening project

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: 1,250

Future year 2030

Projected ADT: 1650

Future year 2040

Projected ADT: 2100

1600

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

5 YR. DES. = 6.26

10 YR. DES. = 13.06

15 YR. DES. = 20.49

20 YR. DES. = 28.68

YEAR	ADT	AVERAGE ONE-WAY ADT TRUCKS		ADJUSTED TRUCKS	1-WAY EQUIV. 18 KIP TOTAL CRT. LN.	
2020	1,250					
2025	1,400	663	53	13	6.26	6.26
2030	1,600	692	55	28	13.06	13.06
2035	1,800	723	58	43	20.49	20.49
2040	2,100	759	61	61	28.68	28.68

TRAFFIC DATA FOR PAVEMENT LOADING

Factors revised February 1988

Report date: 7/21/2017

County 40 RICHLAND

Route S- 405 Route Name: Old Hilton Rd. at I-26

Beginning termini MP 0.65 - MP 0.67

Ending termini: I-26 Design/Build widening project

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: 1,250

Future year 2030

Projected ADT: 1650

Future year 2040

Projected ADT: 2100

1600

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

5 YR. DES. = 8.20

10 YR. DES. = 17.11

15 YR. DES. = 26.84

20 YR. DES. = 37.57

YEAR	ADT	AVERAGE ONE-WAY ADT TRUCKS		ADJUSTED TRUCKS	1-WAY EQUIV. 18 KIP TOTAL CRT. LN.	
2020	1,250					
2025	1,400	663	53	13	8.20	8.20
2030	1,600	692	55	28	17.11	17.11
2035	1,800	723	58	43	26.84	26.84
2040	2,100	759	61	61	37.57	37.57

TRAFFIC DATA FOR PAVEMENT LOADING

Factors revised February 1999

Report date: 8/22/2017

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Revised
8/25/17

County 32 LEXINGTON

Route S- 48 Route Name: I-26 Exit 91 Columbia Ave

Beginning termini MP 2.55

Ending termini: MP 2.59

Beginning mile post: 0.00

☐ 1-way ☒ 2-way

Type of pavement

☒ Flexible ☐ Rigid

Number of lanes: 4

Percent Trucks.: 8

Critical Lane: 80

Rd. Grp. (A-P) - Class 9 %: J - 36

Base year: 2020

Base year ADT: 15,200

Future year 2030

Projected ADT: 19800

Future year 2040

Projected ADT: 24400

19800

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

5 YR. DES. = 76.15

10 YR. DES. = 159.45

15 YR. DES. = 249.88

20 YR. DES. = 347.46

YEAR	ADT	AVERAGE ONE-WAY ADT TRUCKS		ADJUSTED TRUCKS	1-WAY EQUIV. 18 KIP TOTAL CRT. LN.	
2020	15,200					
2025	17,500	8,175	654	164	95.19	76.15
2030	19,800	8,558	685	342	199.31	159.45
2035	22,100	8,942	715	537	312.35	249.88
2040	24,400	9,325	746	746	434.32	347.46

TRAFFIC DATA FOR PAVEMENT LOADING

Factors revised February 1999

Report date: 8/22/2017

County 32 LEXINGTON

Route S- 48 Route Name: I-26 Exit 91 Columbia Ave

Beginning termini MP 2.55

Ending termini: MP 2.59

Beginning mile post: 0.00

☐ 1-way ☒ 2-way

Number of lanes: 4

Percent Trucks.: 8

Critical Lane: 80

Type of pavement
☐ Flexible ☒ Rigid

Rd. Grp. (A-P) - Class 9 %: J - 36

Base year: 2020

Base year ADT: 15,200

Future year 2030

Projected ADT: 19800

Future year 2040

Projected ADT: 24400

19800

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

5 YR. DES. = 103.71

10 YR. DES. = 217.15

15 YR. DES. = 340.31

20 YR. DES. = 473.20

YEAR	ADT	AVERAGE ONE-WAY ADT TRUCKS		ADJUSTED TRUCKS	1-WAY EQUIV. 18 KIP TOTAL CRT., LN.	
2020	15,200					
2025	17,500	8,175	654	164	129.64	103.71
2030	19,800	8,558	685	342	271.44	217.15
2035	22,100	8,942	715	537	425.39	340.31
2040	24,400	9,325	746	746	591.50	473.20

TRAFFIC DATA FOR PAVEMENT LOADING

Factors revised February 1999

Report date: 8/22/2017

County 32 LEXINGTON

Route S- 49 Route Name: Peak St.

Beginning termini MP 2.13

Ending termini: MP 2.17

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 %: H - 25

Base year: 2020

Base year ADT: 1,800

Future year 2030

Projected ADT: 2400

Future year 2040

Projected ADT: 3000

2400

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

5 YR. DES. = 9.21

10 YR. DES. = 19.36

15 YR. DES. = 30.45

20 YR. DES. = 42.49

YEAR	ADT	AVERAGE ONE-WAY ADT TRUCKS		ADJUSTED TRUCKS	1-WAY EQUIV. 18 KIP TOTAL CRT. LN.	
2020	1,800					
2025	2,100	975	78	20	9.21	9.21
2030	2,400	1,025	82	41	19.36	19.36
2035	2,700	1,075	86	65	30.45	30.45
2040	3,000	1,125	90	90	42.49	42.49

TRAFFIC DATA FOR PAVEMENT LOADING

Factors revised February 1999

Report date: 8/22/2017

County 32 LEXINGTON

Route S- 49 Route Name: Peak St.

Beginning termini MP 2.13

Ending termini: MP 2.17

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: 1,800

Future year 2030

Projected ADT: 2400

Future year 2040

Projected ADT: 3000

2400

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

5 YR. DES. = 12.06

10 YR. DES. = 25.36

15 YR. DES. = 39.89

20 YR. DES. = 55.66

YEAR	ADT	AVERAGE ONE-WAY ADT TRUCKS		ADJUSTED TRUCKS	1-WAY EQUIV. 18 KIP TOTAL CRT. LN.	
2020	1,800					
2025	2,100	975	78	20	12.06	12.06
2030	2,400	1,025	82	41	25.36	25.36
2035	2,700	1,075	86	65	39.89	39.89
2040	3,000	1,125	90	90	55.66	55.66

TRAFFIC DATA FOR PAVEMENT LOADING

Factors revised February 1999

Report date: 8/22/2017

County 36 NEWBERRY

Route S- 39 Route Name: Holy Trinity Church Rd

Beginning termini MP 1.98

Ending termini: MP 2.02

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: 500

Future year 2030

Projected ADT: 625

Future year 2040

Projected ADT: 750

600

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

5 YR. DES. = 2.30

10 YR. DES. = 4.74

15 YR. DES. = 7.31

20 YR. DES. = 10.09

YEAR	ADT	AVERAGE ONE-WAY ADT TRUCKS		ADJUSTED TRUCKS	1-WAY EQUIV. 18 KIP TOTAL CRT. LN.	
2020	500					
2025	600	275	22	6	2.30	2.30
2030	600	283	23	11	4.74	4.74
2035	700	292	23	18	7.31	7.31
2040	750	302	24	24	10.09	10.09

TRAFFIC DATA FOR PAVEMENT LOADING

Factors revised February 1999

Report date: 8/22/2017

County 36 NEWBERRY

Route S- 39 Route Name: Holy Trinity Church Rd

Beginning termini MP 1.98

Ending termini: MP 2.02

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: 500

Future year 2030

Projected ADT: 625

Future year 2040

Projected ADT: 750

600

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

5 YR. DES. = 2.94

10 YR. DES. = 6.06

15 YR. DES. = 9.35

20 YR. DES. = 12.90

YEAR	ADT	AVERAGE ONE-WAY ADT TRUCKS		ADJUSTED TRUCKS	1-WAY EQUIV. 18 KIP TOTAL CRT. LN.	
2020	500					
2025	600	275	22	6	2.94	2.94
2030	600	283	23	11	6.06	6.06
2035	700	292	23	18	9.35	9.35
2040	750	302	24	24	12.90	12.90

TRAFFIC DATA FOR PAVEMENT LOADING

Factors revised February 1999

Report date: 8/22/2017

County 36 NEWBERRY

Route S- 167 Route Name: Parr Road over I-26

Beginning termini MP 0.97

Ending termini: MP 1.01

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: 1,000

Future year 2030

Projected ADT: 1250

Future year 2040

Projected ADT: 1500

1200

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

5 YR. DES. = 4.39

10 YR. DES. = 9.05

15 YR. DES. = 14.12

20 YR. DES. = 19.60

YEAR	ADT	AVERAGE ONE-WAY ADT TRUCKS		ADJUSTED TRUCKS	1-WAY EQUIV. 18 KIP TOTAL CRT. LN.	
2020	1,000					
2025	1,100	525	42	11	4.39	4.39
2030	1,200	542	43	22	9.05	9.05
2035	1,400	563	45	34	14.12	14.12
2040	1,500	586	47	47	19.60	19.60

TRAFFIC DATA FOR PAVEMENT LOADING

Factors revised February 1989

Report date: 8/22/2017

County 38 NEWBERRY

Route S- 167 Route Name: Parr Road over I-26

Beginning termini MP 0.97

Ending termini: MP 1.01

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: 1,000

Projected ADT: 1250

Projected ADT: 1500

1200

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

5 YR. DES. = 5.61

10 YR. DES. = 11.58

15 YR. DES. = 18.07

20 YR. DES. = 25.08

YEAR	ADT	AVERAGE ONE-WAY ADT TRUCKS		ADJUSTED TRUCKS	1-WAY EQUIV. 18 KIP TOTAL CRT. LN.	
2020	1,000					
2025	1,100	525	42	11	5.61	5.61
2030	1,200	542	43	22	11.58	11.58
2035	1,400	583	45	34	18.07	18.07
2040	1,500	586	47	47	25.08	25.08

TRAFFIC DATA FOR PAVEMENT LOADING

Factors revised February 1999

Report date: 8/22/2017

County 36 NEWBERRY

Route SC 202 Route Name: at I-26 Exit 85

Beginning termini MP 1.76

Ending termini: MP 1.80

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: 3400

Future year 2040

Projected ADT: 4300

3400

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

5 YR. DES. = 13.22

10 YR. DES. = 27.70

15 YR. DES. = 43.43

20 YR. DES. = 60.56

YEAR	ADT	AVERAGE ONE-WAY ADT TRUCKS		ADJUSTED TRUCKS	1-WAY EQUIV. 18 KIP TOTAL CRT. LN.	
2020	2,600					
2025	3,000	1,400	112	28	13.22	13.22
2030	3,400	1,467	117	59	27.70	27.70
2035	3,800	1,533	123	92	43.43	43.43
2040	4,300	1,604	128	128	60.56	60.56

TRAFFIC DATA FOR PAVEMENT LOADING

Factors revised February 1999

Report date: 8/22/2017

County 36 NEWBERRY

Route SC 202 Route Name: at I-26 Exit 85

Beginning termini MP 1.76

Ending termini: MP 1.80

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: 3400

Future year 2040

Projected ADT: 4300

3400

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

5 YR. DES. = 17.32

10 YR. DES. = 36.29

15 YR. DES. = 56.90

20 YR. DES. = 79.34

YEAR	ADT	AVERAGE ONE-WAY ADT TRUCKS	ADJUSTED TRUCKS	1-WAY EQUIV. 18 KIP TOTAL CRT. LN.
2020	2,600			
2025	3,000	1,400 112	28	17.32 17.32
2030	3,400	1,467 117	59	36.29 36.29
2035	3,800	1,533 123	92	56.90 56.90
2040	4,300	1,604 128	128	79.34 79.34