

TRAFFIC DATA FOR PAVEMENT LOADING

Factors revised February 1999

Report date: 6/25/2019

New

County 42 SPARTANBURG

Route I- 85 Route Name: _____

Beginning termini MM 54 near Pelham Rd (S-492)

Ending termini: MM 60 near SC-101

Beginning mile post: 0.00

1-way 2-way

Number of lanes: 8

Type of pavement

Percent Trucks.: 30

Flexible Rigid

Critical Lane: 60

Rd. Grp. (A-P) - Class 9 %: O - 66

Base year: 2022

Base year ADT: 112,000

Future year 2032

Projected ADT: 127,000

Future year 2042

Projected ADT: 142,000

127,000

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

5 YR. DES. =	<u>2,350.97</u>
10 YR. DES. =	<u>4,803.49</u>
15 YR. DES. =	<u>7,357.57</u>
20 YR. DES. =	<u>10,013.20</u>

YEAR	ADT	AVERAGE ONE-WAY ADT TRUCKS	ADJUSTED TRUCKS	1-WAY EQUIV. 18 KIP TOTAL CRT. LN.
<u>2022</u>	<u>112,000</u>			
<u>2027</u>	<u>119,500</u>	<u>57,875</u>	<u>17,363</u>	<u>4,341</u>
<u>2032</u>	<u>127,000</u>	<u>59,125</u>	<u>17,738</u>	<u>8,869</u>
<u>2037</u>	<u>134,500</u>	<u>60,375</u>	<u>18,113</u>	<u>13,584</u>
<u>2042</u>	<u>142,000</u>	<u>61,625</u>	<u>18,488</u>	<u>18,488</u>
				<u>3,918.28</u>
				<u>8,005.82</u>
				<u>12,262.61</u>
				<u>16,688.67</u>
				<u>2,350.97</u>
				<u>4,803.49</u>
				<u>7,357.57</u>
				<u>10,013.20</u>

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Critical Lane: 60

Rd. Grp. (A-P) - Class 9 %: O - 66

Base year: 2022

Base year ADT: 112,000

Future year 2032

Projected ADT: 127000

Future year 2042

Projected ADT: 142000

127000

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

5 YR. DES. = 3,441.42

10 YR. DES. = 7,031.50

15 YR. DES. = 10,770.24

20 YR. DES. = 14,657.63

YEAR	ADT	AVERAGE ONE-WAY ADT TRUCKS	ADJUSTED TRUCKS	1-WAY EQUIV. 18 KIP TOTAL CRT. LN.
<u>2022</u>	<u>112,000</u>			
<u>2027</u>	<u>119,500</u>	<u>57,875</u> <u>17,363</u>	<u>4,341</u>	<u>5,735.70</u> <u>3,441.42</u>
<u>2032</u>	<u>127,000</u>	<u>59,125</u> <u>17,738</u>	<u>8,869</u>	<u>11,719.17</u> <u>7,031.50</u>
<u>2037</u>	<u>134,500</u>	<u>60,375</u> <u>18,113</u>	<u>13,584</u>	<u>17,950.39</u> <u>10,770.24</u>
<u>2042</u>	<u>142,000</u>	<u>61,625</u> <u>18,488</u>	<u>18,488</u>	<u>24,429.38</u> <u>14,657.63</u>