

# TRAFFIC DATA FOR PAVEMENT LOADING

Factors revised February 1999

Report date: 6/12/2014

County 40 RICHLAND

Route I- 77 Route Name:

Beginning termini Mile marker 15

Ending termini: SC 277

Beginning mile post: 0.00

1-way  2-way

Number of lanes: 6

Percent Trucks.: 25

Critical Lane: 65

Type of pavement

Flexible  Rigid

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

Base year: 2018

Base year ADT: 76,200

Future year 2028

Projected ADT: 84800

Future year 2038

Projected ADT: 93400

84800

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

5 YR. DES. = 1,436.63

10 YR. DES. = 2,925.83

15 YR. DES. = 4,467.59

20 YR. DES. = 6,061.91

YEAR	ADT	AVERAGE ONE-WAY		ADJUSTED	1-WAY EQUIV. 18 KIP	
		ADT	TRUCKS		TRUCKS	TOTAL
<span style="border: 1px solid black; padding: 2px;">2018</span>	<span style="border: 1px solid black; padding: 2px;">76,200</span>					
<span style="border: 1px solid black; padding: 2px;">2023</span>	<span style="border: 1px solid black; padding: 2px;">80,500</span>	<span style="border: 1px solid black; padding: 2px;">39,175</span>	<span style="border: 1px solid black; padding: 2px;">9,794</span>	<span style="border: 1px solid black; padding: 2px;">2,448</span>	<span style="border: 1px solid black; padding: 2px;">2,210.20</span>	<span style="border: 1px solid black; padding: 2px;">1,436.63</span>
<span style="border: 1px solid black; padding: 2px;">2028</span>	<span style="border: 1px solid black; padding: 2px;">84,800</span>	<span style="border: 1px solid black; padding: 2px;">39,892</span>	<span style="border: 1px solid black; padding: 2px;">9,973</span>	<span style="border: 1px solid black; padding: 2px;">4,986</span>	<span style="border: 1px solid black; padding: 2px;">4,501.28</span>	<span style="border: 1px solid black; padding: 2px;">2,925.83</span>
<span style="border: 1px solid black; padding: 2px;">2033</span>	<span style="border: 1px solid black; padding: 2px;">89,100</span>	<span style="border: 1px solid black; padding: 2px;">40,608</span>	<span style="border: 1px solid black; padding: 2px;">10,152</span>	<span style="border: 1px solid black; padding: 2px;">7,614</span>	<span style="border: 1px solid black; padding: 2px;">6,873.21</span>	<span style="border: 1px solid black; padding: 2px;">4,467.59</span>
<span style="border: 1px solid black; padding: 2px;">2038</span>	<span style="border: 1px solid black; padding: 2px;">93,400</span>	<span style="border: 1px solid black; padding: 2px;">41,325</span>	<span style="border: 1px solid black; padding: 2px;">10,331</span>	<span style="border: 1px solid black; padding: 2px;">10,331</span>	<span style="border: 1px solid black; padding: 2px;">9,326.02</span>	<span style="border: 1px solid black; padding: 2px;">6,061.91</span>

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1-way  2-way

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Percent Trucks.: 25

Critical Lane: 65

Type of pavement  
 Flexible  Rigid

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

Base year: 2018

Base year ADT: 76,200

Future year 2028

Projected ADT: 84800

Future year 2038

Projected ADT: 93400

84800

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

5 YR. DES. = 2,102.99

10 YR. DES. = 4,282.92

15 YR. DES. = 6,539.79

20 YR. DES. = 8,873.61

YEAR	ADT	AVERAGE ONE-WAY		ADJUSTED	1-WAY EQUIV. 18 KIP	
		ADT	TRUCKS		TRUCKS	TOTAL
<span style="border: 1px solid black; padding: 2px;">2018</span>	<span style="border: 1px solid black; padding: 2px;">76,200</span>					
<span style="border: 1px solid black; padding: 2px;">2023</span>	<span style="border: 1px solid black; padding: 2px;">80,500</span>	<span style="border: 1px solid black; padding: 2px;">39,175</span>	<span style="border: 1px solid black; padding: 2px;">9,794</span>	<span style="border: 1px solid black; padding: 2px;">2,448</span>	<span style="border: 1px solid black; padding: 2px;">3,235.37</span>	<span style="border: 1px solid black; padding: 2px;">2,102.99</span>
<span style="border: 1px solid black; padding: 2px;">2028</span>	<span style="border: 1px solid black; padding: 2px;">84,800</span>	<span style="border: 1px solid black; padding: 2px;">39,892</span>	<span style="border: 1px solid black; padding: 2px;">9,973</span>	<span style="border: 1px solid black; padding: 2px;">4,986</span>	<span style="border: 1px solid black; padding: 2px;">6,589.11</span>	<span style="border: 1px solid black; padding: 2px;">4,282.92</span>
<span style="border: 1px solid black; padding: 2px;">2033</span>	<span style="border: 1px solid black; padding: 2px;">89,100</span>	<span style="border: 1px solid black; padding: 2px;">40,608</span>	<span style="border: 1px solid black; padding: 2px;">10,152</span>	<span style="border: 1px solid black; padding: 2px;">7,614</span>	<span style="border: 1px solid black; padding: 2px;">10,061.22</span>	<span style="border: 1px solid black; padding: 2px;">6,539.79</span>
<span style="border: 1px solid black; padding: 2px;">2038</span>	<span style="border: 1px solid black; padding: 2px;">93,400</span>	<span style="border: 1px solid black; padding: 2px;">41,325</span>	<span style="border: 1px solid black; padding: 2px;">10,331</span>	<span style="border: 1px solid black; padding: 2px;">10,331</span>	<span style="border: 1px solid black; padding: 2px;">13,651.71</span>	<span style="border: 1px solid black; padding: 2px;">8,873.61</span>

# TRAFFIC DATA FOR PAVEMENT LOADING

Factors revised February 1999

Report date: 6/12/2014

County 40 RICHLAND

Route I- 77 Route Name:

Beginning termini SC-277

Ending termini: Mile marker 22

Beginning mile post: 0.00

1-way  2-way

Number of lanes: 6

Percent Trucks.: 25

Critical Lane: 65

Type of pavement  
 Flexible  Rigid

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

Base year: 2018

Base year ADT: 81,300

Future year 2028

Projected ADT: 92800

Future year 2038

Projected ADT: 104300

92800

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

5 YR. DES. = 1,542.98

10 YR. DES. = 3,156.25

15 YR. DES. = 4,840.36

20 YR. DES. = 6,594.81

YEAR	ADT	AVERAGE ONE-WAY		ADJUSTED	1-WAY EQUIV. 18 KIP	
		ADT	TRUCKS		TRUCKS	TOTAL
<span style="border: 1px solid black; padding: 2px;">2018</span>	<span style="border: 1px solid black; padding: 2px;">81,300</span>					
<span style="border: 1px solid black; padding: 2px;">2023</span>	<span style="border: 1px solid black; padding: 2px;">87,000</span>	<span style="border: 1px solid black; padding: 2px;">42,075</span>	<span style="border: 1px solid black; padding: 2px;">10,519</span>	<span style="border: 1px solid black; padding: 2px;">2,630</span>	<span style="border: 1px solid black; padding: 2px;">2,373.82</span>	<span style="border: 1px solid black; padding: 2px;">1,542.98</span>
<span style="border: 1px solid black; padding: 2px;">2028</span>	<span style="border: 1px solid black; padding: 2px;">92,800</span>	<span style="border: 1px solid black; padding: 2px;">43,033</span>	<span style="border: 1px solid black; padding: 2px;">10,758</span>	<span style="border: 1px solid black; padding: 2px;">5,379</span>	<span style="border: 1px solid black; padding: 2px;">4,855.77</span>	<span style="border: 1px solid black; padding: 2px;">3,156.25</span>
<span style="border: 1px solid black; padding: 2px;">2033</span>	<span style="border: 1px solid black; padding: 2px;">98,600</span>	<span style="border: 1px solid black; padding: 2px;">43,997</span>	<span style="border: 1px solid black; padding: 2px;">10,999</span>	<span style="border: 1px solid black; padding: 2px;">8,249</span>	<span style="border: 1px solid black; padding: 2px;">7,446.71</span>	<span style="border: 1px solid black; padding: 2px;">4,840.36</span>
<span style="border: 1px solid black; padding: 2px;">2038</span>	<span style="border: 1px solid black; padding: 2px;">104,300</span>	<span style="border: 1px solid black; padding: 2px;">44,958</span>	<span style="border: 1px solid black; padding: 2px;">11,239</span>	<span style="border: 1px solid black; padding: 2px;">11,239</span>	<span style="border: 1px solid black; padding: 2px;">10,145.86</span>	<span style="border: 1px solid black; padding: 2px;">6,594.81</span>

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County 40 RICHLAND

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Beginning mile post: 0.00

1-way  2-way

Number of lanes: 6

Percent Trucks.: 25

Critical Lane: 65

Type of pavement

Flexible  Rigid

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

Base year: 2018

Base year ADT: 81,300

Future year 2028

Projected ADT: 92800

Future year 2038

Projected ADT: 104300

92800

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

5 YR. DES. = 2,258.66

10 YR. DES. = 4,620.22

15 YR. DES. = 7,085.47

20 YR. DES. = 9,653.69

YEAR	ADT	AVERAGE ONE-WAY		ADJUSTED	1-WAY EQUIV. 18 KIP	
		ADT	TRUCKS		TRUCKS	TOTAL
<span style="border: 1px solid black; padding: 2px;">2018</span>	<span style="border: 1px solid black; padding: 2px;">81,300</span>					
<span style="border: 1px solid black; padding: 2px;">2023</span>	<span style="border: 1px solid black; padding: 2px;">87,000</span>	<span style="border: 1px solid black; padding: 2px;">42,075</span>	<span style="border: 1px solid black; padding: 2px;">10,519</span>	<span style="border: 1px solid black; padding: 2px;">2,630</span>	<span style="border: 1px solid black; padding: 2px;">3,474.87</span>	<span style="border: 1px solid black; padding: 2px;">2,258.66</span>
<span style="border: 1px solid black; padding: 2px;">2028</span>	<span style="border: 1px solid black; padding: 2px;">92,800</span>	<span style="border: 1px solid black; padding: 2px;">43,033</span>	<span style="border: 1px solid black; padding: 2px;">10,758</span>	<span style="border: 1px solid black; padding: 2px;">5,379</span>	<span style="border: 1px solid black; padding: 2px;">7,108.03</span>	<span style="border: 1px solid black; padding: 2px;">4,620.22</span>
<span style="border: 1px solid black; padding: 2px;">2033</span>	<span style="border: 1px solid black; padding: 2px;">98,600</span>	<span style="border: 1px solid black; padding: 2px;">43,997</span>	<span style="border: 1px solid black; padding: 2px;">10,999</span>	<span style="border: 1px solid black; padding: 2px;">8,249</span>	<span style="border: 1px solid black; padding: 2px;">10,900.72</span>	<span style="border: 1px solid black; padding: 2px;">7,085.47</span>
<span style="border: 1px solid black; padding: 2px;">2038</span>	<span style="border: 1px solid black; padding: 2px;">104,300</span>	<span style="border: 1px solid black; padding: 2px;">44,958</span>	<span style="border: 1px solid black; padding: 2px;">11,239</span>	<span style="border: 1px solid black; padding: 2px;">11,239</span>	<span style="border: 1px solid black; padding: 2px;">14,851.83</span>	<span style="border: 1px solid black; padding: 2px;">9,653.69</span>