

# TRAFFIC DATA FOR PAVEMENT LOADING

Factors revised February 1999

Report date: 9/1/2016

County 32 LEXINGTON/Richland

Route I- 26 Route Name:

Beginning termini MP 89

Ending termini: MP 101

Beginning mile post: 0.00

☐ 1-way ☒ 2-way

Number of lanes: 6

Percent Trucks.: 15

Critical Lane: 65

Type of pavement

☒ Flexible ☐ Rigid

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

Base year: 2020

Base year ADT: 55,900

Future year 2030

Projected ADT: 64700

Future year 2040

Projected ADT: 73500

64700

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

5 YR. DES. = 639.20

10 YR. DES. = 1,310.66

15 YR. DES. = 2,014.40

20 YR. DES. = 2,750.41

YEAR	ADT	AVERAGE ONE-WAY ADT TRUCKS		ADJUSTED TRUCKS	1-WAY EQUIV. 18 KIP TOTAL CRT. LN.	
<u>2020</u>	<u>55,900</u>					
<u>2025</u>	<u>60,300</u>	<u>29,050</u>	<u>4,358</u>	<u>1,089</u>	<u>983.38</u>	<u>639.20</u>
<u>2030</u>	<u>64,700</u>	<u>29,783</u>	<u>4,468</u>	<u>2,234</u>	<u>2,016.41</u>	<u>1,310.66</u>
<u>2035</u>	<u>69,100</u>	<u>30,517</u>	<u>4,578</u>	<u>3,433</u>	<u>3,099.08</u>	<u>2,014.40</u>
<u>2040</u>	<u>73,500</u>	<u>31,250</u>	<u>4,688</u>	<u>4,688</u>	<u>4,231.41</u>	<u>2,750.41</u>

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Future year 2030

Projected ADT: 64700

Future year 2040

Projected ADT: 73500

64700

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

5 YR. DES. = 935.68

10 YR. DES. = 1,918.59

15 YR. DES. = 2,948.75

20 YR. DES. = 4,026.14

YEAR	ADT	AVERAGE ONE-WAY ADT TRUCKS	ADJUSTED TRUCKS	1-WAY EQUIV. 18 KIP TOTAL CRT. LN.
2020	55,900			
2025	60,300	29,050	4,358	1,089
2030	64,700	29,783	4,468	2,234
2035	69,100	30,517	4,578	3,433
2040	73,500	31,250	4,688	4,688
				1,439.50
				2,951.68
				4,536.53
				6,194.06
				935.68
				1,918.59
				2,948.75
				4,026.14



# SCDOT Project Screening Tool

**SCDOT**

Logged in as NTS\StoneburTH (Viewer)

## Traffic Projection Request for RICHLAND I-26 E Main Line (40010002600E) from Milepost 92.18 to 101.00

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### General

Created by NTS\DennisMA on 9/1/2016 8:30 AM

Base Year: 2020

Future Year: 2040

Roadwork Type: Widening

Comments:

Widen to six lanes

### Traffic Projections

Station Number: 2127

MilePost: 95.13 Termini: S- 48 (COLUMBIA AVE) (LEXINGTON) TO US 176 (BROAD RIVER RD)

	Year	ADT	LOS
Present	2015	51,200	
Base	2020	54,400	
Mid	2030	62,100	
Design	2040	69,800	

Number of Lanes: 0

Comments:

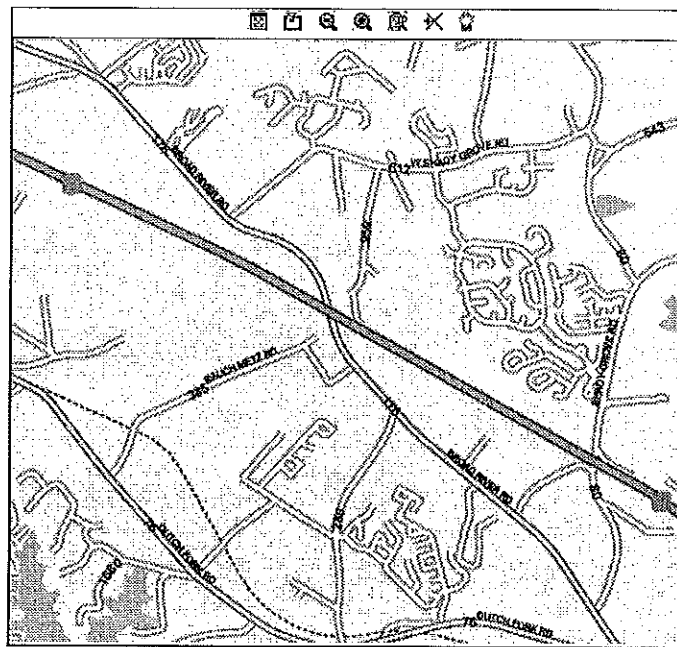
Station Number: 2129

MilePost: 98.12 Termini: US 176 (BROAD RIVER RD) TO US 76

	Year	ADT	LOS
Present	2015	52,300	
Base	2020	55,900	
Mid	2030	64,700	
Design	2040	73,500	

Number of Lanes: 0

Comments:



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# SCDOT Project Screening Tool

**SCDOT**

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## Traffic Projection Request for LEXINGTON I-26 E Main Line (32010002600E) from Milepost 89.03 to 101.00

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[Find Traffic Projections](#)
[View Open Requests](#)

### General

Created by NTS\DennisMA on 9/1/2016 8:31 AM

Base Year: 2020

Future Year: 2040

Roadwork Type: Widening

Comments:

Widen to six lanes

### Traffic Projections

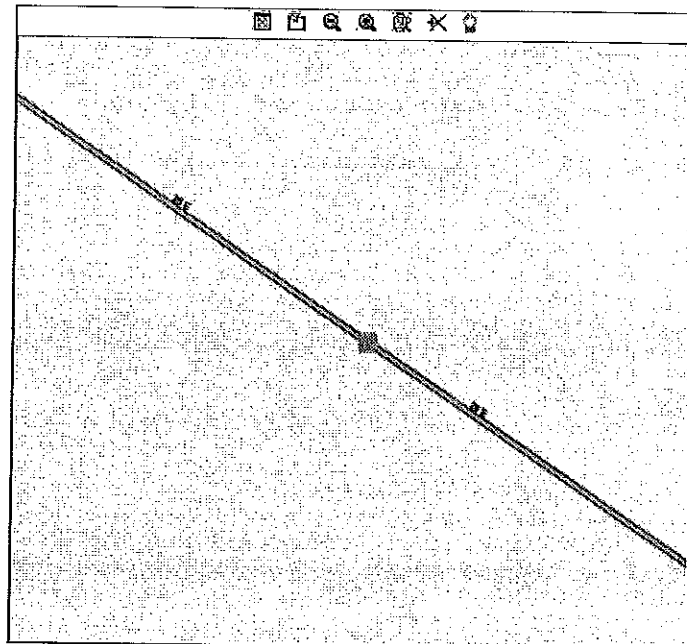
Station Number: 2125

 MilePost: 90.22 Termini: SC 202 (SC202) (NEWBERRY) TO S- 48  
(COLUMBIA AVE)

	Year	ADT	LOS
Present	2015	42,300	
Base	2020	45,000	
Mid	2030	49,400	
Design	2040	53,900	

Number of Lanes: 0

Comments:



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