

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 ADT TRUCKS		ADJUSTED TRUCKS	1-WAY EQUIV. 18 KIP TOTAL CRT. LN.	
2018	81,300					
2023	87,000	42,075	10,519	2,630	2,373.82	1,542.98
2028	92,800	43,033	10,758	5,379	4,855.77	3,156.25
2033	98,600	43,997	10,999	8,249	7,446.71	4,840.36
2038	104,300	44,958	11,239	11,239	10,145.86	6,594.81