

## **APPENDIX C**

### **Strip Analysis Report Summary Statistics for I-40, I-85, US 64, and NC 49**



## I-85 and I-40 Strip Analysis Report Summary Statistics

Roadway Segment	No. of Crashes	Length (mi.)	Crash Rate (CR)*	Fatal CR	Non-Fatal CR	Night CR	Wet Conditions CR
<b>I-40 in Iredell Co.</b>	<b>208</b>	<b>9.86</b>	<b>62.15</b>	<b>0.60</b>	<b>19.72</b>	<b>17.33</b>	<b>24.50</b>
<i>All Interstate Routes</i>	--	<i>N/A</i>	<i>88.70</i>	<i>0.62</i>	<i>29.07</i>	<i>23.92</i>	<i>19.47</i>
<b>I-40 in Davie Co.</b>	<b>436</b>	<b>19.30</b>	<b>59.59</b>	<b>0.27</b>	<b>17.49</b>	<b>15.85</b>	<b>25.97</b>
<i>All Interstate Routes</i>	--	<i>N/A</i>	<i>88.70</i>	<i>0.62</i>	<i>29.07</i>	<i>23.92</i>	<i>19.47</i>
<b>I-40 in Forsyth Co.</b>	<b>1099</b>	<b>23.15</b>	<b>67.01</b>	<b>0.73</b>	<b>20.97</b>	<b>19.57</b>	<b>17.19</b>
<i>All Interstate Routes</i>	--	<i>N/A</i>	<i>88.70</i>	<i>0.62</i>	<i>29.07</i>	<i>23.92</i>	<i>19.47</i>
<b>I-40 in Guilford (from Forsyth Co. line to I-85)</b>	<b>1540</b>	<b>14.51</b>	<b>104.22</b>	<b>0.14</b>	<b>40.13</b>	<b>26.12</b>	<b>21.18</b>
<i>All Interstate Routes</i>	--	<i>N/A</i>	<i>88.70</i>	<i>0.62</i>	<i>29.07</i>	<i>23.92</i>	<i>19.47</i>
<b>I-40/85 in Guilford (from I-40/85 split to Alamance Co line)</b>	<b>1527</b>	<b>15.06</b>	<b>103.14</b>	<b>0.68</b>	<b>39.45</b>	<b>30.40</b>	<b>30.26</b>
<i>All Interstate Routes</i>	--	<i>N/A</i>	<i>88.70</i>	<i>0.62</i>	<i>29.07</i>	<i>23.92</i>	<i>19.47</i>
<b>I-40/85 in Alamance Co.</b>	<b>1102</b>	<b>16</b>	<b>69.34</b>	<b>0.63</b>	<b>22.40</b>	<b>23.59</b>	<b>23.34</b>
<i>All Interstate Routes</i>	--	<i>N/A</i>	<i>88.70</i>	<i>0.62</i>	<i>29.07</i>	<i>23.92</i>	<i>19.47</i>
<b>I-40/85 in Orange (from Alamance Co line to I-40/85 split)</b>	<b>441</b>	<b>7.45</b>	<b>64.00</b>	<b>0.15</b>	<b>19.45</b>	<b>21.33</b>	<b>25.83</b>
<i>All Interstate Routes</i>	--	<i>N/A</i>	<i>88.70</i>	<i>0.62</i>	<i>29.07</i>	<i>23.92</i>	<i>19.47</i>
<b>I-40 in Orange (from I-40/85 split to Durham Co line)</b>	<b>336</b>	<b>11.77</b>	<b>44.04</b>	<b>0.26</b>	<b>6.95</b>	<b>15.07</b>	<b>6.95</b>
<i>All Interstate Routes</i>	--	<i>N/A</i>	<i>88.70</i>	<i>0.62</i>	<i>29.07</i>	<i>23.92</i>	<i>19.47</i>
<b>I-40 in Durham Co.</b>	<b>1533</b>	<b>12.78</b>	<b>115.36</b>	<b>0.60</b>	<b>26.41</b>	<b>25.51</b>	<b>17.91</b>
<i>All Interstate Routes</i>	--	<i>N/A</i>	<i>88.70</i>	<i>0.62</i>	<i>29.07</i>	<i>23.92</i>	<i>19.47</i>
<b>I-40 - Wake Co. from Durham Co. line to I-440/US 1/US 64</b>	<b>1495</b>	<b>10.18</b>	<b>113.18</b>	<b>0.30</b>	<b>31.95</b>	<b>21.58</b>	<b>22.48</b>
<i>All Interstate Routes</i>	--	<i>N/A</i>	<i>88.70</i>	<i>0.62</i>	<i>29.07</i>	<i>23.92</i>	<i>19.47</i>
<b>I-40 in Wake Co.</b>	<b>1495</b>	<b>10.18</b>	<b>113.18</b>	<b>0.30</b>	<b>31.95</b>	<b>21.58</b>	<b>22.48</b>
<i>All Interstate Routes</i>	--	<i>N/A</i>	<i>88.70</i>	<i>0.62</i>	<i>29.07</i>	<i>23.92</i>	<i>19.47</i>
<b>I-85 - Meck. Co. (from US 29/49 Connector to Cabarrus Co. line)</b>	<b>857</b>	<b>6.44</b>	<b>127.79</b>	<b>0.60</b>	<b>44.88</b>	<b>28.93</b>	<b>25.35</b>
<i>All Interstate Routes</i>	--	<i>N/A</i>	<i>88.70</i>	<i>0.62</i>	<i>29.07</i>	<i>23.92</i>	<i>19.47</i>
<b>I-85 - Cabarrus Co. (from Meck. Co. line to Rowan Co. line)</b>	<b>1041</b>	<b>14.20</b>	<b>93.51</b>	<b>0.45</b>	<b>28.47</b>	<b>22.99</b>	<b>21.56</b>
<i>All Interstate Routes</i>	--	<i>N/A</i>	<i>88.70</i>	<i>0.62</i>	<i>29.07</i>	<i>23.92</i>	<i>19.47</i>
<b>I-85 - Rowan Co. (from Cabarrus Co. line to Davidson Co. line)</b>	<b>1021</b>	<b>19.44</b>	<b>78.63</b>	<b>0.69</b>	<b>25.03</b>	<b>24.8</b>	<b>16.71</b>
<i>All Interstate Routes</i>	--	<i>N/A</i>	<i>88.70</i>	<i>0.62</i>	<i>29.07</i>	<i>23.92</i>	<i>19.47</i>
<b>I-85 in Davidson Co.</b>	<b>734</b>	<b>22.47</b>	<b>63.74</b>	<b>0.43</b>	<b>18.93</b>	<b>21.02</b>	<b>16.41</b>
<i>All Interstate Routes</i>	--	<i>N/A</i>	<i>88.70</i>	<i>0.62</i>	<i>29.07</i>	<i>23.92</i>	<i>19.47</i>
<b>I-85 - Randolph Co. (from Davidson Co. line to Guilford Co. line)</b>	<b>220</b>	<b>7.34</b>	<b>61.65</b>	<b>1.12</b>	<b>17.09</b>	<b>19.34</b>	<b>16.53</b>
<i>All Interstate Routes</i>	--	<i>N/A</i>	<i>88.70</i>	<i>0.62</i>	<i>29.07</i>	<i>23.92</i>	<i>19.47</i>
<b>I-85 in Guilford Co. (from Randolph Co. line to I-40)</b>	<b>434</b>	<b>11.65</b>	<b>57.27</b>	<b>0.40</b>	<b>22.43</b>	<b>19.53</b>	<b>15.31</b>
<i>All Interstate Routes</i>	--	<i>N/A</i>	<i>88.70</i>	<i>0.62</i>	<i>29.07</i>	<i>23.92</i>	<i>19.47</i>

\* crash rate = accidents/million vehicle miles

Sources: 1. I-85 and I-40 Strip Analysis Data - NCDOT (June 1, 2000- May 31, 2003)

2. Three Yr. Avg Crash Rates - NCDOT Traffic Engineering and Safety Systems Branch (2000-2002)



**US 64 and NC 49 Strip Analysis Report Summary Statistics**

Roadway Segment	No. of Crashes	Length (mi.)	Total Crash Rate (CR)*	Fatal CR	Non-Fatal CR	Night CR	Wet Conditions CR
<b>NC 49 in Mecklenburg Co (from I-85 to Cabarrus Co. Line)</b>	626	5.16	326.82	0	119.56	84.05	72.05
Statewide Avg Rate for Urban NC Routes	--	N/A	381.35	1.17	135.41	75.31	64.25
<b>NC 49 in Cabarrus County</b>	629	23.12	177.47	3.10	67.71	35.83	30.19
Statewide Avg Rate for Rural NC Routes	--	N/A	175.45	2.21	72.38	58.05	29.66
Statewide Avg Rate for Rural Primary Routes	--	N/A	123.32	1.43	49.27	38.12	22.80
<b>NC 49 in Stanly County</b>	96	8.44	164.88	1.72	65.27	61.83	49.81
Statewide Avg Rate for Rural NC Routes	--	N/A	175.45	2.21	72.38	58.05	29.66
Statewide Avg Rate for Rural Primary Routes	--	N/A	123.32	1.43	49.27	38.12	22.80
<b>NC 49 in Rowan County</b>	2	0.31	178.54	0.00	0.00	0.00	0.00
Statewide Avg Rate for Rural NC Routes	--	N/A	175.45	2.21	72.38	58.05	29.66
Statewide Avg Rate for Rural Primary Routes	--	N/A	123.32	1.43	49.27	38.12	22.80
<b>NC 49 in Davidson County</b>	45	8.77	83.68	1.86	37.19	39.05	11.16
Statewide Avg Rate for Rural NC Routes	--	N/A	175.45	2.21	72.38	58.05	29.66
Statewide Avg Rate for Rural Primary Routes	--	N/A	123.32	1.43	49.27	38.12	22.80
<b>NC 49 in Randolph County</b>	152	15.39	112.09	0.73	37.36	42.49	23.44
Statewide Avg Rate for Rural NC Routes	--	N/A	175.45	2.21	72.38	58.05	29.66
Statewide Avg Rate for Rural Primary Routes	--	N/A	123.32	1.43	49.27	38.12	22.80
<b>US 64 in Davie County</b>	248	22.19	99.09	1.60	34.76	35.16	17.98
Statewide Avg Rate for Rural US Route	--	N/A	128.34	1.45	53.53	37.27	23.57
<b>US 64 in Davidson County</b>	326	20.41	118.59	2.18	53.48	24.01	21.46
Statewide Avg Rate for Rural US Route	--	N/A	128.34	1.45	53.53	37.27	23.57
<b>US 64 in Randolph County</b>	1086	31.36	178.68	0.99	72.06	35.70	33.07
Statewide Avg Rate for Rural US Route	--	N/A	128.34	1.45	53.53	37.27	23.57
<b>US 64 in Chatham County</b>	516	34.37	130.58	0.76	40.49	44.79	18.47
Statewide Avg Rate for Rural US Route	--	N/A	128.34	1.45	53.53	37.27	23.57
<b>US 64 in Wake County</b>	493	8.85	167.35	0.34	50.92	35.30	28.17
Statewide Avg Rate for Rural US Route	--	N/A	128.34	1.45	53.53	37.27	23.57

More than 20% higher than NCDOT Rural Primary roads

More than 20% higher than Rural US Route

More than 20% higher than Rural US Route

\* crash rate = accidents/million vehicle miles

- Sources: 1. US 64 and NC 49 Strip Analysis Data - NCDOT (June 1, 2000 - May 31, 2003)  
 2. Three Yr. Avg Crash Rates - NCDOT Traffic Engineering and Safety Systems Branch (2000-2002)

