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Highway Electrification And Automation Technologies - Regional Impacts Analysis Project:  
Phase III Appendices: Mobility Statistics

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CALIFORNIA PATH PROGRAM  
INSTITUTE OF TRANSPORTATION STUDIES  
UNIVERSITY OF CALIFORNIA, BERKELEY

**Highway Electrification and Automation  
Technologies - Regional Impacts Analysis Project:  
Phase III Appendices: Mobility Statistics**

**Southern California Association of Governments (SCAG),  
California Partners for Advanced Transit and Highways  
(California PATH)**

**UCB-ITS-PRR-93-22**

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**Highway Electrification and Automation  
Technologies - Regional Impacts Analysis Project:  
Phase III: Appendices: Mobility Statistics**

**November 1993**

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# **APPENDIX M**

## **FINAL RPEV NETWORK SCENARIO DESCRIPTION**

**RPEV SCENARIO NETWORK**

<u>Freeway Section</u>	<u>Description Freeway Section</u>	<u># of Lane Miles' (1 lane. 1 dir.)</u>	<u># of Lanes (1 dir.)</u>	<u>Total # of Lane Miles (2 dirs.)</u>
405 (N)	Los Angeles, Jct. Rte. 5, Golden State Freeway to Long Beach, Jct. Rte. 19 Interchange	45.32	2	181.28
405 (S)	Long Beach, Jct. Rte. 19 Interchange to Costa Mesa Jct. Rte. 55, Costa Mesa Freeway	18.76	2	75.04
	Costa Mesa, Jct. Rte. 55, Costa Mesa Freeway to Jct. Rte. 5, San Diego Freeway	8.51	1	17.02
5 (N)	Sylmar, Jct. Rte. 405, San Diego Freeway to Sun Valley, Lankershim Boulevard Interchange	6.61	2	26.44
	Sun Valley, Lankershim Boulevard Interchange to Los Angeles, Jct. Rte. 10, San Bernardino Freeway	16.54	1	33.08
5 (S)	Los Angeles, Jct. Rte. 10, 60, and 101, East Los Angeles Interchange to Irvine, Jeffrey Road Interchange	35.86	3	215.16
	Irvine, Jeffrey Road Interchange to Jct. Rte. 405, Begin Santa Ana Freeway	3.69	2	14.76
110	Pasadena, Jct. Rte. 248, Colorado Boulevard, to Wilmington, Jct. Rte. 405, Begin Santa Ana Freeway	20.09	1	58.18
10 (W)	Santa Monica, Jct. Rtes. 1 and 2, Lincoln Boulevard, via Santa Monica Freeway to Los Angeles, Venice-Washington Boulevards Interchange, Jct. Rte. 187	6.67	1	13.34
	Los Angeles, Venice-Washington Boulevards Interchange, Jct. Rte. 187 to Los Angeles, Jct. Rte. 110, Harbor Freeway	6.01		24.04
10 (E)	Los Angeles, Jct. Rte. 110, Harbor Freeway to Montclair, Monte Vista Avenue Interchange	33.43	2	133.72
105	Westchester, Jct. Rte. 1, Lincoln Boulevard to Norwalk, Jct. Rte. 605, San Gabriel	18.81	1	37.62

River Freeway

RPEV SCENARIO NETWORK (cont.)

<u>Freeway Section</u>	<u>Description</u> <u>Freeway Section</u>	<u># of Lane Miles'</u> <u>( 1 lane, 1 dir.)</u>	<u># of Lanes</u> <u>(1 dir.)</u>	<u>Total # of</u> <u>Lane Miles</u> <u>(2 dirs.)</u>
57	Jct. Rtes. 5 and 22, Santa Ana/Garden Grove Freeway6 to Diamond Bar, South Jct. 60, Pomona Freeway	16.24	1	32.48
101	Thousand oaks, Jct. Rte. 23 South, Westlake Boulevard Interchange to Calabasas, Las Virgenes Road Interchange	7.84	1	15.68
	Calabasas, Las Virgenes Road Interchange to Sherman Oaks, Jct. Rte. 405, San Diego Freeway	13.88	2	55.52
91	Anaheim, Jct. Rte. 57, Orange Freeway to Jct. Rte. 15	20.33	2	<u>81.32</u>
Total RPEV Scenario Network Lane Miles				1,034.56

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\* = Source for number of lane miles is 1988 Traffic Volumes on the California State Hiahway System (Sacramenta: State of California, 1988).

**Construction Code Designations**  
**2025 RPEV SCENARIO NETWORK**

<u>Route</u>	<u>Construction Code (CC)</u>	<u>Description</u>
<b>101</b>	1	23 to 405
10 (E)	2	605 to 15
91	3	57 to 15
405 (N)	4	5 to 19
405 (S)	5	19 to 5
105	6	405 to 605
57	7	5 to 60
<b>110</b>	8	1 to 210
5 (N)	9	405 to 10
5 (S)	10	10 to 405
10 (W)	11	1 to 110
10 (E)	12	110 to 605



## **APPENDIX N**

# **2025 RPEV HIGHWAY NETWORK AM PEAK MOBILITY STATISTICS BY CONSTRUCTION CODE**

ROADWAY ELECTRIFICATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)

cc = 1

Baseline		RPEV Scenario			
		Exclusive*		Non-Exclusive**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	486,908 (209,925)	1	176,843 (136,774)	1	180,471 ( 95,071)
6	n.a.	6	338,093 ( 40,342)	6	355,606 (127,881)
<b>Total</b>	<b>486,908</b> <b>(209,925)</b>	<b>Total</b>	<b>514,937</b> <b>(177,099)</b>	<b>Total</b>	<b>536,077</b> <b>(222,952)</b>
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	25,049 ( 4,172)	1	10,082 ( 3,402)	1	10,101 ( 1,960)
6	n.a.	6	20,218 ( 733)	6	24,964 ( 2,470)
<b>Total</b>	<b>25,049</b> <b>( 4,172)</b>	<b>Total</b>	<b>30,300</b> <b>( 4,135)</b>	<b>Total</b>	<b>35,065</b> <b>( 4,430)</b>
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	16,200 ( 356)	1	6,868 ( 916)	1	6,821 ( 232)
6	n.a.	6	14,073 ( 0)	6	18,501 ( 146)
<b>Total</b>	<b>16,200</b> <b>( 356)</b>	<b>Total</b>	<b>20,941</b> <b>( 961)</b>	<b>Total</b>	<b>25,322</b> <b>( 378)</b>
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	19.4 (50.3)	1	17.5 (40.2)	1	17.9 (48.5)
6	n.a.	6	16.7 (55.0)	6	14.2 (51.8)
<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>

ROADWAY ELECTRIFICATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)

CC = 2

Baseline		RPEV Scenarioa			
		Exclusive*		Non-Exclusive**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	530,358 (223,857)	1	363,011 (173,126)	1	394,282 (146,053)
6	n.a.	6	239,782 ( 36,222)	6	239,782 ( 91,676)
Total	530,358 (223,857)	Total	602,793 (209,349)	Total	634,064 1237.729)
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	23,320 ( 4,290)	1	17,124 ( 3,545)	1	23,722 ( 2,831)
6	n.a.	6	18,192 ( 659)	6	18,192 ( 1,791)
Total	23,320 ( 4,290)	Total	35,316 ( 4,203)	Total	41,914 ( 4,622)
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	13,677 ( 220)	1	10,524 ( 397)	1	16,553 ( 175)
6	n.a.	6	13,831 ( 0)	6	13,831 ( 124)
Total	13,677 ( 220)	Total	24,355 ( 397)	Total	30,384 ( 300)
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	22.7 (52.2)	1	21.2 (48.8)	1	16.6 (51.6)
6	n.a.	6	13.2 (55.0)	6	13.2 (51.2)
Total	n.a.	Total	n.a.	Total	n.a.

**ROADWAY ELECTRIFICATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)**

CC = 3

RPEV SC narios					
Baseline		Exclusive*		Non-Exclusive**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	485,301 (133,183)	1	311,695 (119,307)	1	285,716 ( 78,191)
6	n.a.	6	182,541 ( 23,038)	6	207,664 ( 67,104)
-----		-----		-----	
Total	485,301 (133,183)	Total	494,236 (142,345)	Total	493,380 (145,294)
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	28,076 ( 2,465)	1	22,572 ( 2,368)	1	16,010 ( 1,460)
6	n.a.	6	8,717 ( 419)	6	14,070 ( 1,264)
-----		-----		-----	
Total	28,076 ( 2,465)	Total	31,290 ( 2,787)	Total	30,080 ( 2,723)
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	19,253 ( 43)	1	16,905 ( 198)	1	10,815 ( 38)
6	n.a.	6	5,399 ( 0)	6	10,295 ( 44)
-----		-----		-----	
Total	19,253 ( 43)	Total	22,304 ( 198)	Total	21,110 ( 81)
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	17.3 (54.0)	1	13.8 (50.4)	1	17.8 (53.6)
6	n.a.	6	20.9 (55.0)	6	14.8 (53.1)
-----		-----		-----	
Total	n.a.	Total	n.a.	Total	n.a.

**ROADWAY ELECTRIFICATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)**

CC = 4

Baseline		RPEV Scenarios			
		Exclusive*		Non-Exclusive**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	827,669 (705,487)	1	495,048 (458,357)	1	471,722 (409,230)
6	n.a.	6	294,555 (138,388)	6	366,194 (288,219)
Total	827,669 (705,487)	Total	789,603 (596,744)	Total	837,915 1697.449)
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	35,206 ( 22,674)	1	25,068 (15,968)	1	21,892 (12,250)
6	n.a.	6	19,708 ( 2,897)	6	24,098 ( 9,774)
Total	35,206 ( 22.674)	Total	44,776 (18,865)	Total	45,990 (22,023)
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	20,155 ( 9,847)	1	16,066 ( 7,633)	1	13,314 ( 4,809)
6	n.a.	6	14,352 ( 381)	6	17,440 ( 4,533)
Total	20,155 ( 9.8471)	Total	30,418 ( 8,014)	Total	30,753 ( 9,342)
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	23.5 (31.1)	1	19.7 (28.7)	1	21.5 (33.4)
6	n.a.	6	14.9 (47.8)	6	15.2 (29.5)
Total	n.a.	Total	n.a.	Total	n.a.

ROADWAY ELECTRIFICATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)

CC = 5

Baseline		RPEV SC narios			
		Exclusive*		Non-Exclusive**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	638,971 (365,070)	1	446,222 (282,627)	1	420,899 (242,994)
6	n.a.	6	166,855 ( 61,050)	6	233,711 (135,810)
Total	638,971 (365.0701)	Total	613,076 (343,677)	Total	654,610 (378,804)
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	31,558 ( 10,060)	1	23,823 ( 10,106)	1	19,836 ( 7,202)
6	n.a.	6	7,196 ( 1,143)	6	25,339 ( 3,905)
Total	31,558 ( 10,060)	Total	31,019 ( 11,249)	Total	45,175 ( 11,107)
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	19,934 ( 3,419)	1	15,705 ( 4,965)	1	12,179 ( 2,782)
6	n.a.	6	4,161 ( 32)	6	21,087 ( 1,435)
Total	19,934 ( 3,419)	Total	19,866 ( 4,997)	Total	33,266 ( 4.2171)
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	20.2 (36.3)	1	18.7 (28.0)	1	21.2 (33.7)
6	n.a.	6	23.2 (53.4)	6	9.2 (34.8)
Total	n.a.	Total	n.a.	Total	n.a.

ROADWAY ELECTRIFICATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)

CC = 6

Baseline		RPEV SCenarios			
		Exclusive*		Non-Exclusive**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	211,100 (137,912)	1	145,998 (107,175)	1	157,234 ( 92,389)
6	n.a.	6	74,151 ( 17,733)	6	88,118 ( 51,887)
Total	211,100 (137,912)	Total	220,148 (124,908)	Total	245,352 1144.2761
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	7,792 ( 3,067)	1	5,999 ( 2,672)	1	7,371 ( 2,056)
6	n.a.	6	5,733 ( 324)	6	6,820 ( 1,257)
Total	7,792 ( 3,067)	Total	11,731 ( 2,996)	Total	14,192 ( 3,313)
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	3,956 ( 561)	1	3,346 ( 724)	1	4,515 ( 377)
6	n.a.	6	4,386 ( 2)	6	5,219 ( 314)
Total	3,956 ( 561)	Total	7,732 ( 726)	Total	9,734 ( 691)
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	27.1 (45.0)	1	24.3 (40.1)	1	21.3 (44.9)
6	n.a.	6	12.9 (54.7)	6	12.9 (41.3)
Total	n.a.	Total	n.a.	Total	n.a.

ROADWAY ELECTRIFICATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)

cc = 7

Baseline		RPEV Scenarios			
		Exclusive*		Non-Exclusive**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	259,961 (199,144)	1	191,651 (153,193)	1	189,953 (155,199)
6	n.a.	6	59,335 ( 33,977)	6	75,776 ( 50,608)
<b>Total</b>	<b>259,961</b> <b>(199,144)</b>	<b>Total</b>	<b>250,986</b> <b>(187,169)</b>	<b>Total</b>	<b>265,729</b> <b>(205,807)</b>
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	9,208 ( 4,735)	1	6,683 ( 3,778)	1	6,619 ( 3,887)
6	n.a.	6	2,157 ( 662)	6	3,778 ( 1,247)
<b>Total</b>	<b>9,208</b> <b>( 4,735)</b>	<b>Total</b>	<b>8,840</b> <b>( 4,439)</b>	<b>Total</b>	<b>10,397</b> <b>( 5,134)</b>
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	4,485 ( 1,117)	1	3,201 ( 994)	1	3,167 ( 1,067)
6	n.a.	6	1,079 ( 44)	6	2,401 ( 328)
<b>Total</b>	<b>4,485</b> <b>( 1,117)</b>	<b>Total</b>	<b>4,279</b> <b>( 1,038)</b>	<b>Total</b>	<b>5,569</b> <b>( 1,394)</b>
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	28.2 (42.1)	1	28.7 (40.6)	1	28.7 (39.9)
6	n.a.	6	27.5 (51.4)	6	20.1 (40.6)
<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>



ROADWAY ELECTRIFICATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)

CC = 8

Baseline		RPEV Scenarios			
		Exclusive*		Non-Exclusive**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	415,280 (379,858)	1	314,969 (293,147)	1	305,147 (293,873)
6	n.a.	6	54,310 ( 44,147)	6	115,428 (108,247)
Total	415,280 (379,858)	Total	369,278 (337,294)	Total	420,575 (402,120)
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	13,930 ( 11,058)	1	11,605 ( 8,443)	1	11,381 ( 9,209)
6	n.a.	6	1,750 ( 882)	6	4,715 ( 4,932)
Total	13,930 ( 11,058)	Total	13,356 ( 9,325)	Total	16,096 ( 14,141)
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	6,385 ( 4,154)	1	5,882 ( 3,115)	1	5,836 ( 3,868)
6	n.a.	6	763 ( 79)	6	2,618 ( 2,965)
Total	6,385 ( 4,154)	Total	6,645 ( 3,194)	Total	8,454 ( 6,833)
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	29.8 (34.4)	1	27.1 (34.7)	1	(26.8) (31.9)
6	n.a.	6	31.0 (50.1)	6	24.5 (21.9)
Total	n.a.	Total	n.a.	Total	n.a.

ROADWAY ELECTRIFICATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)

cc = 10

Baseline		RPEV Scenarios			
		Exclusive*		Non-Exclusive**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	772,089 (564,691)	1	308,479 (238,466)	1	296,607 (202,499)
6	n.a.	6	604,660 (154,459)	6	607,458 (381,312)
Total	772,089 1564.6911	Total	913,138 (392,925)	Total	904,065 (583,811)
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	37,534 ( 14,751)	1	28,126 ( 8,529)	1	25,828 ( 6,026)
6	n.a.	6	44,959 ( 2,865)	6	45,386 ( 10,301)
Total	37,534 ( 14,751)	Total	73,085 ( 11,394)	Total	71,214 ( 16,328)
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	23,502 ( 4,490)	1	22,519 ( 4,195)	1	20,437 ( 2,347)
6	n.a.	6	33,972 ( 59)	6	34,348 ( 3,372)
Total	23,502 ( 4,490)	Total	56,491 ( 4,253)	Total	54,785 ( 5,719)
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	20.6 (38.3)	1	11.0 (28.0)	1	11.5 (33.6)
6	n.a.	6	13.4 (53.9)	6	13.4 (37.0)
Total	n.a.	Total	n.a.	Total	n.a.

ROADWAY ELECTRIFICATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)

cc = 11

Baseline		RPEV Scenarios			
		Exclusive*		Non-Exclusive**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	212,855 (192,640)	1	153,305 (137,985)	1	149,276 (136,250)
6	n.a.	6	35,356 ( 54,584)	6	78,515 ( 69,481)
Total	212,855 (192,640)	Total	188,661 (192,570)	Total	227,791 (205,731)
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	6,216 ( 5,153)	1	4,749 ( 3,871)	1	4,346 ( 3,791)
6	n.a.	6	712 ( 1,371)	6	3,091 ( 2,309)
Total	6,216 ( 5,153)	Total	5,461 ( 5,242)	Total	7,438 ( 6,101)
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	2,349 ( 1,654)	1	1,964 ( 1,364)	1	1,634 ( 1,317)
6	n.a.	6	70 ( 380)	6	1,665 ( 1,047)
Total	2,349 ( 1,654)	Total	2,034 ( 1,745)	Total	3,300 ( 2,364)
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	34.2 (37.2)	1	32.3 (35.6)	1	34.3 (35.9)
6	n.a.	6	49.7 (39.8)	6	25.4 (30.1)
Total	n.a.	Total	n.a.	Total	n.a.

ROADWAY ELECTRIFICATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)

CC = 9

		RPEV scenarios			
Baseline		Exclusive*		Non-Exclusive**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	443,573 (221,569)	1	321,478 (176,201)	1	329,100 (160,438)
6	n.a.	6	70,315 ( 23,481)	6	146,835 ( 71,495)
Total	443,573 (221,569)	Total	391,794 (199,682)	Total	474,935 (232,034)
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	21,464 ( 5,552)	1	20,661 ( 4,867)	1	21,310 ( 4,269)
6	n.a.	6	1,937 ( 460)	6	9,690 ( 2,317)
Total	21,464 ( 5,552)	Total	22,598 ( 5,327)	Total	31,000 ( 6,586)
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	13,395 ( 1,520)	1	14,813 ( 1,661)	1	15,324 ( 1,348)
6	n.a.	6	658 ( 33)	6	7,018 ( 1,016)
Total	13,395 ( 1,520)	Total	15,471 ( 1,693)	Total	22,342 ( 2,364)
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	20.7 (39.9)	1	15.6 (36.2)	1	15.4 (37.6)
6	n.a.	6	36.3 (51.1)	6	15.2 (30.9)
Total	n.a.	Total	n.a.	Total	n.a.

ROADWAY ELECTRIFICATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)

cc = 12

Baseline		RPEV SCenarios			
		Exclusive*		Non-Exclusive**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	384,634 (171,057)	1	209,478 (120,141)	1	222,057 (106,326)
6	n.a.	6	124,573 ( 31,821)	6	184,793 ( 82,004)
Total	384,634 (171,057)	Total	334,050 (151,961)	Total	406,850 (188,330)
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	21,014 ( 3,503)	1	9,976 ( 2,769)	1	11,911 ( 2,384)
6	n.a.	6	4,177 ( 581)	6	14,562 ( 1,681)
Total	21,014 ( 3,503)	Total	14,153 ( 3,350)	Total	26,473 ( 4,065)
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	14,017 ( 391)	1	6,167 ( 584)	1	7,872 ( 450)
6	n.a.	6	1,911 ( 2)	6	11,200 ( 189)
Total	14,017 ( 391)	Total	8,077 ( 586)	Total	19,072 ( 639)
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	18.3 (48.8)	1	21.0 (43.4)	1	18.6 (44.6)
6	n.a.	6	29.8 (54.8)	6	12.7 (48.8)
Total	n.a.	Total	n.a.	Total	n.a.

## **APPENDIX O**

### **2025 RPEV HIGHWAY NETWORK AM PEAK MOBILITY STATISTICS BY RSA, COUNTY AND SYSTEM**

ROADWAY ELECTRIFICATION  
 2025 REGIONAL HIGHWAY NETWORK  
 (AH PEAK)

RSA = 1

Baseline		RPEV scenarios					
		Exclusive*		Non-Exclusive**			
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>		
1	n.a.	1	n.a.	1	n.a.		
3	10,645	3	10,645	3	10,645		
4	n.a.	4	n.a.	4	n.a.		
5	n.a.	5	n.a.	5	n.a.		
6	n.a.	6	n.a.	6	n.a.		
<b>Total</b>	11,004	<b>Total</b>	11,004	<b>Total</b>	11,004		
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>		
1	n.a.	1	n.a.	1	n.a.		
3	213	3	213	3	213		
4	n.a.	4	n.a.	4	n.a.		
5	n.a.	5	n.a.	5	n.a.		
6	n.a.	6	n.a.	6	n.a.		
<b>Total</b>	222	<b>Total</b>	222	<b>Total</b>	222		
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>		
1	n.a.	1	n.a.	1	n.a.		
3	0	3	0	3	0		
4	n.a.	4	n.a.	4	n.a.		
5	n.a.	5	n.a.	5	n.a.		
6	n.a.	6	n.a.	6	n.a.		
<b>Total</b>	0	<b>Total</b>	0	<b>Total</b>	0		
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>		
1	n.a.	1	n.a.	1	n.a.		
3	49.98	3	49.98	3	49.98		
4	n.a.	4	n.a.	4	n.a.		
5	n.a.	5	n.a.	5	n.a.		
6	n.a.	6	n.a.	6	n.a.		
<b>Total</b>	n.a.	<b>Total</b>	n.a.	<b>Total</b>	n.a.		

**ROADWAY ELECTRIFICATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)**

RSA = 2

Baseline		RPEV Scenarios			
		Exclusive*		Non-Exclusive**	
<b><u>FT</u></b>	<b><u>VMT</u></b>	<b><u>FT</u></b>	<b><u>VMT</u></b>	<b><u>FT</u></b>	<b><u>VMT</u></b>
1	243,159	1		3	240,839 151,488
3	151,350	3	245,363 151,126	4	54,072
4	55,301	4	54,100	5	7,914
5	7,958	5	7,957	6	n.a.
6	n.a.	6	n.a.		
<b>Total</b>	<b>458,906</b>	<b>Total</b>	<b>459,684</b>	<b>Total</b>	<b>455,451</b>
<b><u>FT</u></b>	<b><u>VHT</u></b>	<b><u>FT</u></b>	<b><u>VHT</u></b>	<b><u>FT</u></b>	<b><u>VHT</u></b>
1	4,539	1	4,581	1	4,492
3	4,886	3	4,835	3	4,854
5	2,004	5	1,995	4	1,993
6	398	6	398	5	396
	n.a.		n.a.	6	n.a.
<b>Total</b>	<b>11,847</b>	<b>Total</b>	<b>11,829</b>	<b>Total</b>	<b>11,754</b>
<b><u>FT</u></b>	<b><u>VHD</u></b>	<b><u>FT</u></b>	<b><u>VHD</u></b>	<b><u>FT</u></b>	<b><u>VHD</u></b>
1	119	1	121	1	114
3	203	3	212	3	217
4	162	4	168	4	167
5	0	5	0	5	0
6	n.a.	6	n.a.	6	n.a.
<b>Total</b>	<b>485</b>	<b>Total</b>	<b>501</b>	<b>Total</b>	<b>498</b>
<b><u>FT</u></b>	<b><u>SPEED</u></b>	<b><u>FT</u></b>	<b><u>SPEED</u></b>	<b><u>FT</u></b>	<b><u>SPEED</u></b>
3	53.57	1	53.56	1	53.62
4	27.60 30.98	3	31.26	3	31.21
5	19.99	5	27.12	4	27.13
6	n.a.	6	19.99	5	19.98
			n.a.	6	n.a.
<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>



ROADWAY ELECTRIFICATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)

RSA = 3

Baseline		RPEV Scenarios			
		Exclusive*		Non-Exclusive**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	372,742	1		1	374,935
3	304,748	3	373,092 291,791	3	292,130
4	29,089	4	29,426	5	29,498
5	7,503	5	7,366	6	7,375
6	n.a.	6	n.a.		n.a.
<b>Total</b>	<b>715,574</b>	<b>Total</b>	<b>703,167</b>	<b>Total</b>	<b>705,429</b>
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	7,328	1	7,293	1	7,367
3	11,833	3	11,407	3	11,422
5	1,067	4	1,079	4	1,082
6	375	5	368	5	369
	n.a.	6	n.a.	6	n.a.
<b>Total</b>	<b>20,628</b>	<b>Total</b>	<b>20,173</b>	<b>Total</b>	<b>20,265</b>
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	549	1	508	1	548
3	1,675	3	1,681	3	1,684
5	27	4	28	4	28
6	0	5	0	5	0
	n.a.	6	n.a.	6	n.a.
<b>Total</b>	<b>2,251</b>	<b>Total</b>	<b>2,216</b>	<b>Total</b>	<b>2,261</b>
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	50.87	1	51.58	1	50.89
3	25.75	3	25.58	3	25.58
4	27.26	4	27.27	4	27.26
5	20.00	5	13.14	5	19.99
6	n.a.	6	n.a.	6	n.a.
<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>

**ROADWAY ELECTRIFICATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)**

RSA = 4

Baseline		RPEV Scenarios			
		Exclusive*		Non-Exclusive**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	267,184	1	284,729	1	259,283
3	118,272	3	105,977	3	101,647
4	4,940	4	5,165	4	5,220
5	5,075	5	4,669	5	4,723
6	n.a.	6	n.a.	6	n.a.
<b>Total</b>		<b>Total</b>		<b>Total</b>	
	396,019		401,088		371,421
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	6,454	1	6,602	1	6,044
3	4,418	3	3,842	3	3,658
4	178	<b>5</b>	186	4	<b>188</b>
5	254	<b>6</b>	233	5	236
6	n.a.		n.a.	6	<b>n.a.</b>
<b>Total</b>		<b>Total</b>		<b>Total</b>	
	11,312		10,872		10,136
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
<b>1</b>	1,596	1	1,425	1	1,330
3	475	3	310	3	270
4	2	4	2	4	2
5	0	5	0	5	0
6	n.a.	6	n.a.	6	<b>n.a.</b>
<b>Total</b>		<b>Total</b>		<b>Total</b>	
	2,073		1,737		1,602
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	41.40	1	43.13	1	42.90
3	26.77	3	27.58	3	27.79
4	27.75	4	27.77	4	27.77
5	19.98	5	20.04	5	20.01
6	n.a.	6	n.a.	6	n.a.
<b>Total</b>		<b>Total</b>		<b>Total</b>	
	n.a.		n.a.		n.a.

**ROADWAY ELECTRIFICATION**  
**2025 REGIONAL HIGHWAY NETWORK**  
**(AM PEAK)**

RSA = 5

<b>RPEV Scenarios</b>					
<b>Baseline</b>		<b>Exclusive*</b>		<b>Non-Exclusive**</b>	
<b><u>FT</u></b>	<b><u>VMT</u></b>	<b><u>FT</u></b>	<b><u>VMT</u></b>	<b><u>FT</u></b>	<b><u>VMT</u></b>
1	266,746	1	250,471	<b>1</b>	
3	135,020	3	136,588	<b>3</b>	249,418 136,378
4	37,124	4	36,795	4	36,729
5	9,001	5	a,799	5	8,804
6	n.a.	6	25,913	6	32,828
<hr/>		<hr/>		<hr/>	
<b>Total</b>	448,900	<b>Total</b>	459,576	<b>Total</b>	465,167
<b><u>FT</u></b>	<b><u>VHT</u></b>	<b><u>FT</u></b>	<b><u>VHT</u></b>	<b><u>FT</u></b>	<b><u>VHT</u></b>
1	5,635	1	5,405	1	5,412
3	49,453	3	49,502	3	49,486
4	2,358	<b>5</b>	2,297	<b>5</b>	2,301
5	450	<b>6</b>	1,079 440	<b>6</b>	1,217 440
6	n.a.	<hr/>		<hr/>	
<b>Total</b>	57,912	<b>Total</b>	58,740	<b>Total</b>	58,874
<b><u>FT</u></b>	<b><u>VHD</u></b>	<b><u>FT</u></b>	<b><u>VHD</u></b>	<b><u>FT</u></b>	<b><u>VHD</u></b>
1	<b>787</b>	1	a54	1	<b>880</b>
3	44,952	3	44,949	3	44,940
<b>5</b>	1,032	4	983	4	<b>989</b>
<b>6</b>	0	5	0	5	0
	n.a.	6	607	6	620
<hr/>		<hr/>		<hr/>	
<b>Total</b>	46,771	<b>Total</b>	47,393	<b>Total</b>	47,430
<b><u>FT</u></b>	<b><u>SPEED</u></b>	<b><u>FT</u></b>	<b><u>SPEED</u></b>	<b><u>FT</u></b>	<b><u>SPEED</u></b>
1	47.34	1	46.34	1	46.09
3	2.73	3	2.76	3	2.76
4	15.74	4	16.02	4	15.96
5	20.00	5	20.00	<b>5</b>	
6	n.a.	6	24.02	<b>6</b>	20.01 26.97
<hr/>		<hr/>		<hr/>	
<b>Total</b>	n.a.	<b>Total</b>	n.a.	<b>Total</b>	n.a.

ROADWAY **ELECTRIFICATION**  
 2025 REGIONAL HIGHWAY NETWORK  
**(AM PEAK)**

RSA = 6

Baseline		RPEV Scenarios			
		Exclusive*		Non-Exclusive**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	50,925	<b>1</b>		1	48,671
3	15,488	<b>3</b>	52,638 18,258	3	18,617
4	8,260	4	9,134	4	9,348
5	0	5	0	5	0
6	n.a.	6	n.a.	6	n.a.
Total		Total		Total	
	74,730		80,088		76,694
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	926	1	959	1	<b>885</b>
3	313	3	368	3	375
<b>5</b>	166	4	<b>183</b>	4	<b>188</b>
<b>6</b>	0	5	0	5	0
	n.a.	6	n.a.	6	n.a.
Total		Total		Total	
	1,406		1,511		1,449
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	1	1	2	1	1
3	0	3	1	3	1
4	0	4	1	4	1
5	0	5	0	5	0
6	n.a.	6	n.a.	6	<b>n.a.</b>
Total		Total		Total	
	2		4		3
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	54.99	1	54.89	1	55.00
<b>3</b>		3	49.61	3	49.65
<b>4</b>	49.48 49.76	4	49.91	4	49.72
5	0	5	0	5	0
6	n.a.	6	n.a.	6	n.a.
Total		Total		Total	
	n.a.		n.a.		n.a.

**ROADWAY ELECTRIFICATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)**

RSA = 7

Baseline		RPEV Scenarios			
		Exclusive*		Non-Exclusive**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1		1	100,859	1	86,521
3	225,139 97,153	3	113,356	3	98,764
4	194	4	190	4	267
5	3,350	5	3,539	5	3,640
6	n.a.	6	129,748	6	164,297
<b>Total</b>	<b>326,066</b>	<b>Total</b>	<b>347,924</b>	<b>Total</b>	<b>353,721</b>
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	7,116	1	3,315	1	2,691
3	4,706	3	5,288	3	4,619
4	7	4	7	5	10
5	178	5	180	6	1a5
6	n.a.	6	6,481		a,794
<b>Total</b>	<b>12,011</b>	<b>Total</b>	<b>15,275</b>	<b>Total</b>	<b>16,303</b>
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	3,022	1	1,480	1	1,118
3	1,467	3	1,510	3	1,327
4	0	4	0	4	0
5	11	5	3	5	3
6	n.a.	6	4,122	6	5,807
<b>Total</b>	<b>4,501</b>	<b>Total</b>	<b>7,116</b>	<b>Total</b>	<b>a,255</b>
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	31.64	1	30.43	1	32.15
3	20.64	3	27.44	3	21.38
4	27.71	4	27.14	4	26.70
5	1a.82	5	19.66	5	19.68
6	n.a.	6	20.02	6	1a.68
<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>

ROADWAY ELECTRIFICATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)

RSA = 8

Baseline		RPEV Scenarios			
		Exclusive*		Non-Exclusive**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1		1			
3	396,788 516,545	3	498,408 375,942	3	498,035 393,250
	n.a.		n.a.		n.a.
4	7,321 . .	4	7,878	4	8,022
5		5		5	
6	n.a.	6	n.a.	6	n.a.
<b>Total</b>	<b>921,561</b>	<b>Total</b>	<b>883,133</b>	<b>Total</b>	<b>900,213</b>
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	25,725	1	27,457	1	24,885
3	37,887	3	35,071	3	41,256
4	n.a.	4	n.a.	4	n.a.
5	368	5	397	5	403
6	n.a.	6	n.a.	6	n.a.
<b>Total</b>	<b>63,995</b>	<b>Total</b>	<b>62,940</b>	<b>Total</b>	<b>66,559</b>
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	16,332	1	18,394	1	15,829
3	26,135	3	23,975	3	29,717
4	n.a.	4	n.a.	4	n.a.
5	1	5	3	5	2
6	n.a.	6	n.a.	6	n.a.
<b>Total</b>	<b>42,468</b>	<b>Total</b>	<b>42,372</b>	<b>Total</b>	<b>45,547</b>
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	20.08	1	1a.15	1	20.01
3	10.47	3	10.72	3	9.53
4	n.a.	4	n.a.		n.a.
5	19.89	5	19.84	5	19.91
6	n.a.	6	n.a.	6	n.a.
<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>

ROADWAY ELECTRIFICATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)

RSA = 9

Baseline		RPEV Scenarios			
		Exclusive*		Non-Exclusive**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	382,565	1	355,243	1	352,596
3	486,580	3	496,251	3	502,781
4	92,389	4	88,251	5	88,613
5	4,298	5	3,984	6	3,930
6	n.a.	6	n.a.		n.a.
Total	975,200	Total	953,098	Total	957,289
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	7,329	1	6,707	3	39,969
3	36,502	3	38,392		6,659
4	2,318	4	2,373	4	2,372
5	215	5	199	5	197
6	n.a.	6	n.a.	6	n.a.
Total	46,584	Total	47,892	Total	49,417
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	373	1	249	1	248
3	23,332	3	25,061	3	26,655
4	413	4	545	4	539
5	0	5	0	5	0
6	n.a.	6	n.a.	6	n.a.
Total	24,118	Total	25,855	Total	27,443
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	52.20	1	52.97	1	52.95
3	13.33	3	12.93	3	12.58
4	39.86	4	37.19	4	37.36
5	19.99	5	20.02	5	19.95
6	n.a.	6	n.a.	6	n.a.
Total	n.a.	Total	n.a.	Total	n.a.

ROADWAY ELECTRIFICATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)

RSA = 10

Baseline		RPEV SC narios			
		Exclusive*		Non-Exclusive**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	621,282	1	614,557	1	595,666
3	639,005	3	622,298	3	613,359
4	36,908	4	29,507	4	28,737
5	6,179	5	5,995	5	5,921
6	n.a.	6	n.a.	6	n.a.
<b>Total</b>	<b>1,304,634</b>	<b>Total</b>	<b>1,273,617</b>	<b>Total</b>	<b>1,244,943</b>
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	19,047	1	21,001	1	<b>18,519</b>
3	33,806	3	33,443	3	32,599
4	878	4	747	<b>5</b>	710
5	309	5	300	<b>6</b>	296
6	n.a.	6	n.a.		n.a.
<b>Total</b>	<b>54,060</b>	<b>Total</b>	<b>55,511</b>	<b>Total</b>	<b>52,145</b>
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	7,748	1	9,825	1	7,686
3	17,189	3	17,284	3	16,708
<b>5</b>	140	4	157	4	135
<b>6</b>	0	5	0	5	0
	n.a.	6	n.a.	6	n.a.
<b>Total</b>	<b>25,077</b>	<b>Total</b>	<b>27,266</b>	<b>Total</b>	<b>24,530</b>
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	32.62	1	29.26	1	32.17
3	1a.90	3	18.61	3	18.82
<b>5</b>	42.04	4	39.50	4	40.47
<b>6</b>	44.14	5	19.98	5	20.00
	n.a.	6	<b>n.a.</b>	6	n.a.
<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>



ROADWAY ELECTRIFICATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)

RSA = 11

Baseline		RPEV Scenarios			
		Exclusive*		Non-Exclusive**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	82,672	1	88,002	1	388,565
3	354,336	3	386,146	3	87,459
4	n.a.	4	n.a.	4	n.a.
5	448	5	484	5	456
6	n.a.	6	n.a.	6	n.a.
Total		Total		Total	
	437,480		474,657		476,505
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	2,953	1	3,492	1	3,353
3	23,304	3	20,120	3	20,563
4	n.a.	5	n.a.	5	n.a.
5	22	6	24	6	23
6	n.a.		n.a.		n.a.
Total		Total		Total	
	26,280		23,637		23,939
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	1,454	1	1,896	1	1,766
3	14,784	3	10,877	3	11,374
4	n.a.	4	n.a.	4	n.a.
5	0	5	0	5	0
6	n.a.	6	n.a.	6	n.a.
Total		Total		Total	
	16,238		12,773		13,141
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	28.00	3	25.20	1	26.08
3	15.20	4	19.19	3	1a.90
	n.a.		n.a.	4	n.a.
5	20.36	5	20.17	5	19.83
6	n.a.	6	n.a.	6	n.a.
Total		Total		Total	
	n.a.		n.a.		n.a.

ROADWAY ELECTRIFICATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)

RSA = 12

Baseline		RPEV SCenarios			
		Exclusive*		Non-Exclusive**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
		<u>1</u>			
3	1,043,439	3	1,036,872	1	667,025
4	1,048,145			3	992,411
5	102,003	5	103,920	4	102,221
6	23,941	6	309,000	5	20,523
	n.a.			6	409,565
Total	2,221,889	Total	2,181,515	Total	2,196,106
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	46,170	1	28,895	1	28,356
3	57,042	3	51,526	3	48,919
4	5,366	4	5,526	4	5,345
5	1,197	5	1,037	5	1,026
6	n.a.	6	18,696	6	24,444
Total	109,847	Total	105,753	Total	108,163
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	27,205	1	16,051	1	16,233
3	21,175	3	16,008	3	14,941
5	1,686	4	1,778	4	1,654
6	0	5	1	5	0
	n.a.	6	13,081	6	17,001
Total	50,066	Total	46,918	Total	49,828
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	22.60	1	24.46		
3	1a.37	3	20.12	3	23.52
4	19.01	4	18.81	4	20.29
5	20.00	5	19.97	5	19.12
6	n.a.	6	16.53	6	20.00
Total	n.a.	Total	n.a.	Total	16.76

**ROADWAY ELECTRIFICATION**  
**2025 REGIONAL HIGHWAY NETWORK**  
**(AM PEAK)**

RSA = 13

Baseline		RPEV Scenarios			
		Exclusive*		Non-Exclusive**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	575,005			1	
3	493,189	3	554,058 501,713	3	485,843 541,940
4	26,786	4	27,859	4	27,668
5	15,335	5	16,057	5	15,615
6	n.a.	6	12,363	6	41,943
<b>Total</b>	<b>1,112,665</b>	<b>Total</b>	<b>1,114,402</b>	<b>Total</b>	<b>1,115,361</b>
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	22,274	1	23,053	1	21,086
3	25,309	3	24,489	3	22,733
5	1,299	4	1,300	5	1,287
6	767	5	803	6	1,968 781
	n.a.	6	228		
<b>Total</b>	<b>49,688</b>	<b>Total</b>	<b>49,913</b>	<b>Total</b>	<b>47,893</b>
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	11,828	1	12,987	1	11,240
3	7,124	3	6,002	3	4,825
4	195	4	150	4	146
5	0	5	0	5	0
6	n.a.	6	4	6	1,206
<b>Total</b>	<b>19,147</b>	<b>Total</b>	<b>19,143</b>	<b>Total</b>	<b>17,418</b>
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	25.82	1	24.03	1	25.70
3	19.49	3	20.49	3	21.37
4	20.62	4	21.43	4	21.50
5	19.99	5	20.00	5	19.99
6	n.a.	6	54.22	6	21.31
<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>

ROADWAY ELECTRIFICATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)

RSA = 14

Baseline		RPEV Scenarios					
		Exclusive*			Non-Exclusive**		
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	909,648			1		1	
3	487,897	3	855,150 508,850	3		3	805,780 479,159
4	32,899	4	32,705	4		4	31,913
5	18,283	5	17,868	5		5	17,524
6	n.a.	6	61,516	6		6	113,040
<b>Total</b>	<b>1,450,598</b>	<b>Total</b>	<b>1,477,958</b>	<b>Total</b>	<b>1,449,286</b>		
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
		1	39,794	1		1	35,741
3	36,282 21,402	3	23,012	3		3	20,903
4	1,423	4	1,370	5		5	1,326
5	914	5	a93	6		6	5,664 876
6	n.a.	6	1,792				
<b>Total</b>	<b>60,052</b>	<b>Total</b>	<b>66,893</b>	<b>Total</b>	<b>64,541</b>		
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	19,730	1	24,236	1		1	21,080
3	5,119	3	6,021	3		3	4,909
4	247	5	201	4		4	185
5	0	6	672 0	5		5	0
6	n.a.			6		6	3,605
<b>Total</b>	<b>25,096</b>	<b>Total</b>	<b>31,129</b>	<b>Total</b>	<b>29,780</b>		
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	25.07	1	21.49	1		1	22.54
3	22.80	3	22.11	3		3	22.92
4	23.12	4	23.87	4		4	24.07
5	20.00	5	13.04	5		5	20.00
6	n.a.	6	34.33	6		6	19.96
<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>		

ROADWAY ELECTRIFICATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)

RSA = 15

Baseline		RPEV Scenarios			
		Exclusive*		Non-Exclusive**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	n.a.	1	n.a.	1	n.a.
3	133,640	3	119,907	3	116,401
4	n.a.	4	n.a.	4	n.a.
5	n.a.	5	n.a.	5	n.a.
6	n.a.	6	n.a.	6	n.a.
<b>Total</b>	133,726	<b>Total</b>	119,993	<b>Total</b>	116,486
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	n.a.	1	n.a.	1	n.a.
3	7,729	3	7,508	3	7,021
4	n.a.	4	n.a.	4	n.a.
5	n.a.	5	n.a.	5	n.a.
6	n.a.	6	n.a.	6	n.a.
<b>Total</b>	7,730	<b>Total</b>	7,509	<b>Total</b>	7,022
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	n.a.	3	n.a.	1	n.a.
3	3,274	4	3,511	3	3,141
4	n.a.		n.a.	4	n.a.
5	n.a.	5	n.a.	5	n.a.
6	n.a.	6	n.a.	6	n.a.
<b>Total</b>	3,274	<b>Total</b>	3,511	<b>Total</b>	3,141
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	n.a.	1	n.a.	1	n.a.
3	17: 29	3	15.97	3	16.58
4	n.a.	4	n.a.	4	n.a.
5	n.a.	5	n.a.	5	n.a.
6	n.a.	6	n.a.	6	n.a.
<b>Total</b>	n.a.	<b>Total</b>	n.a.	<b>Total</b>	n.a.

**ROADWAY ELECTRIFICATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)**

RSA = 16

Baseline		RPEV SC narios					
		Exclusive*		Non-Exclusive**			
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
3	412,804 517,034	1	247,887	1		3	242,049 517,477
4	38,153	3	534,552	3		5	36,902
5	14,184	5	38,020	5		6	174,547 14,041
6	n.a.	6	133,995 14,275	6			
<b>Total</b>	<b>984,256</b>	<b>Total</b>	<b>970,811</b>	<b>Total</b>		<b>Total</b>	<b>987,097</b>
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	15,254	1	9,525	1	9,403	1	9,403
3	30,712	3	34,088	3	34,567	3	34,567
5	1,817	4	1,711	4	1,659	4	1,659
6	709	5	715	5	703	5	703
	n.a.	6	10,403	6	12,246	6	12,246
<b>Total</b>	<b>48,526</b>	<b>Total</b>	<b>56,477</b>	<b>Total</b>		<b>Total</b>	<b>58,612</b>
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	7,754	1	5,022	1	5,006	1	5,006
3	13,349	3	16,122	3	17,179	3	17,179
4	442	4	340	4	328	4	328
5	0	5	1	5	1	5	1
6	n.a.	6	7,969	6	9,074	6	9,074
<b>Total</b>	<b>21,545</b>	<b>Total</b>	<b>29,454</b>	<b>Total</b>		<b>Total</b>	<b>31,589</b>
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	27.06	1	26.02	1	25.74	1	25.74
3	16.83	3	15.68	3	14.97	3	14.97
4	21.00	4	22.22	4	22.24	4	22.24
5	20.00	5	19.97	5	19.97	5	19.97
6	n.a.	6	12.88	6	14.25	6	14.25
<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>	<b>Total</b>		<b>Total</b>	<b>n.a.</b>

**ROADWAY ELECTRIFICATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)**

RSA = 17

Baseline		RPEV SC, narios			
		Exclusive*		Non-Exclusive**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	765,517	<u>1</u> 3	1,469,393 578,625	<u>1</u> 3	1,373,817 566,705
3	1,399,216	4	87,262	4	al,727
4	83,192	5	20,863	5	22,507
5	23,175	6	125,913	6	216,204
6	n.a.				
-----		-----		-----	
<b>Total</b>	<b>2,276,859</b>	<b>Total</b>	<b>2,288,315</b>	<b>Total</b>	<b>2,266,720</b>
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	30,814	1	24,481	1	23,264
3	69,406	3	73,935	3	65,686
5	3,600	5	3,863	5	3,513
6	1,160	6	5,001 1,043	6	10,450 1,125
	n.a.				
-----		-----		-----	
<b>Total</b>	<b>105,076</b>	<b>Total</b>	<b>108,418</b>	<b>Total</b>	<b>104,134</b>
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	16,904	1	13,970	1	12,969
3	19,123	3	21,042	3	16,297
4	459	4	563	5	426
5	1	5	0	6	6,520 0
6	n.a.	6	2,712		
-----		-----		-----	
<b>Total</b>	<b>36,489</b>	<b>Total</b>	<b>38,285</b>	<b>Total</b>	<b>36,211</b>
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	24.84	1	23.64	1	24.36
3	20.16	3	19.88	3	20.91
4	23.11	4	22.59	4	23.26
5	19.98	5		5	20.01
6	n.a.	6	20.00 25.18	6	20.69
-----		-----		-----	
<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>

ROADWAY ELECTRIFICATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)

RSA = 18

Baseline		RPEV Scenarios			
		Exclusive*		Non-Exclusive**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1		1	416,654	1	
3	629,194 787,750	3	838,523	3	399,265 778,084
4	104,789	4	108,889	4	107,012
5	20,740	5	1a,794	5	19,796
6	n.a.	6	136,481	6	246,496
<b>Total</b>	<b>1,546,231</b>	<b>Total</b>	<b>1,523,099</b>	<b>Total</b>	<b>1,554,411</b>
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	20,741	1	14,831	1	13,576
3	34,828	3	38,307	3	34,560
4	6,722	4	6,900	4	6,874
5	1,038	5	943	5	993
6	n.a.	6	3,559	6	9,676
<b>Total</b>	<b>63,391</b>	<b>Total</b>	<b>64,604</b>	<b>Total</b>	<b>65,741</b>
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	9,311	1	7,263	1	6,323
3	7,308	3	8,980	3	7,346
4	2,888	4	2,914	4	2,961
5	1	5	3	5	3
6	n.a.	6	1,080	6	5,197
<b>Total</b>	<b>19,508</b>	<b>Total</b>	<b>20,240</b>	<b>Total</b>	<b>21,830</b>
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	30.34	1	28.09	1	29.41
3		3	21.89	3	22.51
7	22.62 15.59	4	15.78	4	15.57
5	19.98	5	19.93	5	19.94
6	n.a.	6	38.35	6	25.47
<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>



**ROADWAY ELECTRIFICATION**  
**2025 REGIONAL HIGHWAY NETWORK**  
**(AM PEAK)**

RSA = 19

Baseline		RPEV Scenarios			
		Exclusive*		Non-Exclusive**	
<b><u>FT</u></b>	<b><u>VMT</u></b>	<b><u>FT</u></b>	<b><u>VMT</u></b>	<b><u>FT</u></b>	<b><u>VMT</u></b>
1		3	447,346	1	427,225
3	530,176	4	584,727	3	572,021
4	169,351	5	164,043	4	161,933
5	14,521	6	14,262	5	14,605
6	n.a.		56,937	6	103,375
Total	1,297,564	Total	1,270,228	Total	1,282,072
<b><u>FT</u></b>	<b><u>VHT</u></b>	<b><u>FT</u></b>	<b><u>VHT</u></b>	<b><u>FT</u></b>	<b><u>VHT</u></b>
1	13,731	1	11,204	1	10,458
3	23,637	3	23,912	3	23,242
5	7,671	5	7,382	5	7,272
6	727	6	1,104	6	713
	n.a.				3,022
Total	45,815	Total	44,363	Total	44,773
<b><u>FT</u></b>	<b><u>VHD</u></b>	<b><u>FT</u></b>	<b><u>VHD</u></b>	<b><u>FT</u></b>	<b><u>VHD</u></b>
1	4,086	1	3,065	1	2,685
3	4,284	3	4,421	3	4,175
4	1,624	5	1,525	5	1,490
5	1	6	680	6	1,142
6	n.a.				0
Total	9,995	Total	9,079	Total	9,492
<b><u>FT</u></b>	<b><u>SPEED</u></b>	<b><u>FT</u></b>	<b><u>SPEED</u></b>	<b><u>FT</u></b>	<b><u>SPEED</u></b>
1	38.61	1	39.93	1	40.85
3	24.56	3	24.45	3	24.61
4	22.08	4	22.22	4	22.27
5	19.97	5	20.00	5	20.01
6	n.a.	6	51.57	6	34.21
Total	n.a.	Total	n.a.	Total	n.a.

ROADWAY ELECTRIFICATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)

RSA = 20

Baseline		RPEV Scenarios			
		Exclusive*		Non-Exclusive**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	512,273	1	434,650	1	412,725
3	638,644	3	634,278	3	622,089
4	94,818	4	86,475	4	85,911
5	19,473	5	19,152	5	18,982
6	n.a.	6	76,111	6	99,653
<b>Total</b>	<b>1,268,071</b>	<b>Total</b>	<b>1,253,529</b>	<b>Total</b>	<b>1,242,223</b>
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	15,496	1	12,403	1	11,456
3	31,550	3	30,573	3	30,165
5	3,760	5	3,400	4	3,385
6	975	6	2,081 958	5	949
	n.a.			6	3,458
<b>Total</b>	<b>51,829</b>	<b>Total</b>	<b>49,462</b>	<b>Total</b>	<b>49,462</b>
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	6,176	1	4,494	1	3,946
3	10,262	3	9,431	3	9,429
4	376	4	314	4	319
5	1	5	0	5	0
6	n.a.	6	697	6	1,646
<b>Total</b>	<b>16,815</b>	<b>Total</b>	<b>14,935</b>	<b>Total</b>	<b>15,340</b>
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	33.06	1	35.04	1	36.03
3	20.24	3	20.75	3	20.62
4	25.22	4	25.43	4	25.38
5	19.97	5	19.99	5	20.00
6	n.a.	6	36.57	6	28.82
<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>

**ROADWAY ELECTRIFICATION**  
**2025 REGIONAL HIGHWAY NETWORK**  
**(AM PEAK)**

RSA = 21

Baseline		RPEV Scenarios					
		Exclusive*		Non-Exclusive**			
<b><u>FT</u></b>	<b><u>VMT</u></b>	<b><u>FT</u></b>	<b><u>VMT</u></b>	<b><u>FT</u></b>	<b><u>VMT</u></b>		
1		3	1,046,283	1	1,052,017		
3	1,331,508	3	1,083,932	3	974,219		
4	108,544	4	109,592	4	105,707		
5	32,970	5	32,097	5	32,304		
6	n.a.	6	250,744	6	375,230		
Total		Total		Total		Total	
2,509,408		2,526,619		2,543,448			
<b><u>FT</u></b>	<b><u>VHT</u></b>	<b><u>FT</u></b>	<b><u>VHT</u></b>	<b><u>FT</u></b>	<b><u>VHT</u></b>		
1	46,041	1	42,795	1	45,059		
3	45,798	3	48,849	3	41,993		
4	4,857	5	4,883	4	4,575		
5	1,650	6	13,350	5	1,618		
6	n.a.	6	1,608	6	19,308		
Total		Total		Total		Total	
98,412		111,550		112,619			
<b><u>FT</u></b>	<b><u>VHD</u></b>	<b><u>FT</u></b>	<b><u>VHD</u></b>	<b><u>FT</u></b>	<b><u>VHD</u></b>		
1	21,844	1	23,783	1	25,943		
3	8,932	3	9,945	3	7,065		
4	856	4	a49	4	676		
5	1	5	3	5	3		
6	n.a.	6	a,793	6	12,488		
Total		Total		Total		Total	
31,633		43,372		46,175			
<b><u>FT</u></b>	<b><u>SPEED</u></b>	<b><u>FT</u></b>	<b><u>SPEED</u></b>	<b><u>FT</u></b>	<b><u>SPEED</u></b>		
3	28.92	1	24.45	1	23.35		
4	22.34 22.54	3	22.19	3	23.20		
5	19.98	4	22.44	4	23.11		
6	n.a.	5	19.96	5	19.97		
6	n.a.	6	18.78	6	19.43		
Total		Total		Total		Total	
n.a.		n.a.		n.a.			

ROADWAY ELECTRIFICATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)

RSA = 22

Baseline		RPEV Scenarios			
		Exclusive*		Non-Exclusive**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1		3	1,178,241	1	903,324
3	1,116,450		918,722	3	<b>1,124,435</b>
4	89,442	4	87,512	4	82,780
5	23,616	5	20,757	5	21,808
6	n.a.	6	229,884	6	290,907
<b>Total</b>	<b>2,394,917</b>	<b>Total</b>	<b>2,439,033</b>	<b>Total</b>	<b>2,427,171</b>
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	36,226	1	33,871	1	34,378
3	53,813	3	54,177	3	48,578
4	4,331	4	3,711	4	3,351
5	1,181	5	1,038	5	1,090
6	n.a.	6	16,831	6	18,686
<b>Total</b>	<b>95,617</b>	<b>Total</b>	<b>109,694</b>	<b>Total</b>	<b>106,150</b>
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	15,930	1	17,165		
3	15,097	3	14,903	3	17,952
4	1,137	4	<b>586</b>	4	395
5	0	5	0	5	0
6	n.a.	6	12,657	6	13,403
<b>Total</b>	<b>32,163</b>	<b>Total</b>	<b>45,310</b>	<b>Total</b>	<b>42,847</b>
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	30.82	1	27.12		
3	21.58	3	21.75	3	26.28
4	20.65	4	23.58	4	23.15
5	20.00	5	20.00	5	24.70
6	n.a.	6	13.66	6	20.01
<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>

**ROADWAY ELECTRIFICATION**  
**2025 REGIONAL HIGHWAY NETWORK**  
**(AM PEAK)**

RSA = 23

Baseline		RPEV SCenarios			
		Exclusive*		Non-Exclusive**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1		1	186,133	1	
3	237,424 186,369	3	202,501	3	184,061 185,455
4	13,037	4	12,448	4	12,032
5	11,486	5	10,082	5	10,629
6	n.a.	6	38,857	6	62,240
Total		Total		Total	
	449,819		451,525		455,921
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	7,898	1	6,612	1	6,401
3	9,067	3	10,341	3	9,026
4	658	4	570	4	562
5	586	5	511	5	538
6	n.a.	6	1,582	6	2,978
Total		Total		Total	
	1a,234		19,642		19,530
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	3,580	1	3,226	1	3,053
3	632	3	1,186	3	610
4	98	4	37	4	48
5	11	5	7	5	7
6	n.a.	6	876	6	1,846
Total		Total		Total	
	4,322		5,331		5,563
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	30.06	1	28.15	1	28.76
3	20.55	3	19.58	3	20.55
4	19.81	4	21.84	5	21.41
5	19.60	5	19.73	6	20.90 19.76
6	n.a.	6	24.56		
Total		Total		Total	
	n.a.		n.a.		n.a.

ROADWAY ELECTRIFICATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)

RSA = 24

Baseline		RPEV Scenarios			
		Exclusive*		Non-Exclusive**	
<u><b>FT</b></u>	<u><b>VMT</b></u>	<u><b>FT</b></u>	<u><b>VMT</b></u>	<u><b>FT</b></u>	<u><b>VMT</b></u>
1	1,115,070	1	1,033,275	1	1,009,660
3	528,226	3	584,497	3	550,474
4	39,794	4	46,430	4	42,742
5	25,944	<b>5</b>		5	26,095
6	n.a.	<b>6</b>	26,428 44,178	6	131,495
<b>Total</b>	<b>1,711,373</b>	<b>Total</b>	<b>1,737,148</b>	<b>Total</b>	<b>1,762,805</b>
<u><b>FT</b></u>	<u><b>VHT</b></u>	<u><b>FT</b></u>	<u><b>VHT</b></u>	<u><b>FT</b></u>	<u><b>VHT</b></u>
1	37,810	1	36,597	1	37,153
3	25,221	3	30,621	3	27,595
<b>5</b>	1,866	4	2,109	4	2,003
<b>6</b>	1,297	5	1,324	5	1,306
	n.a.	6	a73	6	6,958
<b>Total</b>	<b>66,234</b>	<b>Total</b>	<b>71,563</b>	<b>Total</b>	<b>75,056</b>
<u><b>FT</b></u>	<u><b>VHD</b></u>	<u><b>FT</b></u>	<u><b>VHD</b></u>	<u><b>FT</b></u>	<u><b>VHD</b></u>
1	17,536	1	17,811	1	1a,797
3	6,011	3	9,393	3	7,594
4	241	4	214	<b>5</b>	<b>258</b>
5	0	5	3	<b>6</b>	4,567 1
6	n.a.	6	69		
<b>Total</b>	<b>23,787</b>	<b>Total</b>	<b>27,490</b>	<b>Total</b>	<b>31,218</b>
<u><b>FT</b></u>	<u><b>SPEED</b></u>	<u><b>FT</b></u>	<u><b>SPEED</b></u>	<u><b>FT</b></u>	<u><b>SPEED</b></u>
1	29.49	1	28.23	1	27.18
3	20.94	3	19.09	3	19.95
4	21.33	4	22.02	4	21.34
5	20.00	5	19.96	5	19.98
6	n.a.	6	50.60	6	1a.90
<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>

**ROADWAY ELECTRIFICATION**  
**2025 REGIONAL HIGHWAY NETWORK**  
**(AM PEAK)**

RSA = 25

Baseline		RPEV Scenarios			
		Exclusive*		Non-Exclusive**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1		1		1	
3	1,164,849	3	1,045,316	3	1,008,639
4	1,035,638	4	1,053,442	4	1,009,936
5	71,061	5	74,223	5	74,886
6	n.a.	6	28,385	6	27,622
6	98,556	6	98,556	6	164,842
Total	2,303,376	Total	2,304,221	Total	2,290,224
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	43,426	1		1	36,361
3	43,614	3	37,235	3	42,537
4	3,525	4	3,654	5	3,772
5	1,378	5	1,420	6	12,458
6	n.a.	6	3,146	6	1,382
Total	92,014	Total	90,487	Total	96,583
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	22,236	1	18,222	1	18,015
3	8,291	3	9,036	3	8,113
5	838	4	838	4	938
6	1	5	1	5	1
6	n.a.	6	1,352	6	9,457
Total	31,367	Total	29,449	Total	36,524
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	26.82	1	28.07	1	27.74
3	23.75	3	23.43	3	23.74
4	20.16	4	20.31	4	19.85
5	19.98	5	19.99	5	19.99
6	n.a.	6	31.33	6	13.23
Total	n.a.	Total	n.a.	Total	n.a.

ROADWAY ELECTRIFICATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)

RSA = 26

Baseline		RPEV Scenarios					
		Exclusive*		Non-Exclusive**			
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	1,552,657	1		1			
3	1,007,519	3	1,390,588	3	976,356	3	1,362,131
4	53,838	5	52,641	4		4	53,363
5	28,731	6	183,988	5	26,383	5	26,691
6	n.a.			6		6	217,801
<b>Total</b>	<b>2,646,404</b>	<b>Total</b>	<b>2,633,616</b>	<b>Total</b>		<b>Total</b>	<b>2,626,873</b>
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	64,541	1	53,124	1	54,132	1	54,132
3	47,404	3	42,058	3	41,577	3	41,577
4	2,128	5	2,031	4	2,054	4	2,054
5	1,438	6	12,425	5	1,319	5	1,335
6	n.a.			6		6	13,554
<b>Total</b>	<b>115,572</b>	<b>Total</b>	<b>111,018</b>	<b>Total</b>		<b>Total</b>	<b>112,712</b>
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	36,319	1	27,850	1	29,375	1	29,375
3	13,820	3	9,513	3	9,470	3	9,470
4	206	4	151	4	148	4	148
5	1	5	0	5	0	5	0
6	n.a.	6	9,080	6	9,594	6	9,594
<b>Total</b>	<b>50,346</b>	<b>Total</b>	<b>46,593</b>	<b>Total</b>		<b>Total</b>	<b>48,586</b>
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	24.06	1	26.18	1	25.16	1	25.16
3		3	23.21	3	23.17	3	23.17
4	21.25 25.30	4	25.92	4	25.98	4	25.98
5	19.98	5	20.00	5	19.99	5	19.99
6	n.a.	6	14.81	6	16.07	6	16.07
<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>	<b>Total</b>		<b>Total</b>	<b>n.a.</b>



ROADWAY ELECTRIFICATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)

RSA = 27

Baseline		RPEV Scenarios			
		Exclusive*		Non-Exclusive**	
<b><u>FT</u></b>	<b><u>VMT</u></b>	<b><u>FT</u></b>	<b><u>VMT</u></b>	<b><u>FT</u></b>	<b><u>VMT</u></b>
1		1	488,215	1	421,296
3	509,226 337,399	3	330,351	3	325,171
4	15,902	4	15,268	4	15,127
5	11,262	5	11,030	5	10,943
6	n.a.	6	57,368	6	73,877
-----		-----		-----	
Total	875,157	Total	848,598	Total	847,781
<b><u>FT</u></b>	<b><u>VHT</u></b>	<b><u>FT</u></b>	<b><u>VHT</u></b>	<b><u>FT</u></b>	<b><u>VHT</u></b>
1	18,069	1	14,576	1	15,571
3	17,939	3	14,836	3	14,146
5	691	5	648	5	648
6	563	6	553	6	3,251 548
	n.a.		2,901		
-----		-----		-----	
Total	37,285	Total	33,537	Total	34,187
<b><u>FT</u></b>	<b><u>VHD</u></b>	<b><u>FT</u></b>	<b><u>VHD</u></b>	<b><u>FT</u></b>	<b><u>VHD</u></b>
1	8,810	1	6,698	1	7,910
3	6,712	3	3,843	3	3,326
4	123	4	103	4	108
5	0	5	1	5	1
6	n.a.	6	1,859	6	1,909
-----		-----		-----	
Total	15,644	Total	12,505	Total	13,254
<b><u>FT</u></b>	<b><u>SPEED</u></b>	<b><u>FT</u></b>	<b><u>SPEED</u></b>	<b><u>FT</u></b>	<b><u>SPEED</u></b>
1	28.18	1	33.49	1	27.06
3	18.81	3	22.27	3	22.99
4	23.01	4	23.56	4	23.34
5	20.00	5	19.95	5	19.97
6	n.a.	6	19,78	6	22.72
-----		-----		-----	
Total	n.a.	Total	n.a.	Total	n.a.

ROADWAY ELECTRIFICATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)

RSA = 28

Baseline		RPEV Scenarios			
		Exclusive*		Non-Exclusive**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1		3	1,326,641	1	
3	1,368,275		1,074,314	3	1,306,832
4	65,929	4	70,819	4	77,274
5	24,798	5	24,393	5	
6	n.a.	6	67,940	6	23,818
				83,085	
<b>Total</b>	<b>2,565,464</b>	<b>Total</b>	<b>2,573,511</b>	<b>Total</b>	<b>2,557,314</b>
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	43,461	1	41,878	1	41,040
3	68,720	3	63,871	3	64,177
4	26,952	4	27,051	4	28,876
5	1,240	5	1,220	5	1,191
6	n.a.	6	4,415	6	4,725
<b>Total</b>	<b>140,570</b>	<b>Total</b>	<b>138,632</b>	<b>Total</b>	<b>140,205</b>
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	18,586	1	17,760	1	17,282
3	33,190	3	29,131	3	30,043
4	24,598	4	24,522	4	26,116
5	0	5	0	5	0
6	n.a.	6	3,179	6	3,214
<b>Total</b>	<b>76,374</b>	<b>Total</b>	<b>74,593</b>	<b>Total</b>	<b>76,655</b>
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	31.48	1	31.68	1	31.84
3	15.96	3	16.82	3	
4	2.45	4	2.62	4	16.47
5	20.00	5	19.99	5	20.00
6	n.a.	6	15.39	6	17.58
<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>

**ROADWAY ELECTRIFICATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)**

RSA = 29

Baseline		RPEV Scenarios					
		Exclusive*		Non-Exclusive**			
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1		1		1		1	
3	1,123,873	3	1,125,328	3	810,854	3	1,129,915
4	822,359	4	68,970	4	68,129	4	68,129
5	67,275	5	26,622	5	26,966	5	26,966
6	26,486	6	n.a.	6	n.a.	6	n.a.
	n.a.						
<hr/>		<hr/>		<hr/>		<hr/>	
Total	2,044,223	Total	2,035,803	Total	2,040,489		
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	28,240	1	28,282	1	28,561	1	28,561
3	29,951	3	29,341	3	29,470	3	29,470
4	4,091	5	4,145	5	4,089	5	4,089
5	1,326	6	1,332	6	1,350	6	1,350
6	n.a.		n.a.		n.a.		n.a.
<hr/>		<hr/>		<hr/>		<hr/>	
Total	63,678	Total	63,171	Total	63,541		
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	7,807	1	7,823	1	8,019	1	8,019
3	3,929	3	3,778	3		3	
4	1,689	4	1,683	4	3,860	4	1,657
5	1	5	1	5	1	5	1
6	n.a.	6	n.a.	6	n.a.	6	n.a.
<hr/>		<hr/>		<hr/>		<hr/>	
Total	13,427	Total	13,286	Total	13,537		
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	39.80	1	39.79	1	39.56	1	39.56
3	27.46	3	27.63	3		3	
4	16.44	4	16.64	4	27.53	4	16.66
5	19.97	5	19.99	5	19.97	5	19.97
6	n.a.	6	n.a.	6	n.a.	6	n.a.
<hr/>		<hr/>		<hr/>		<hr/>	
Total	n.a.	Total	n.a.	Total	n.a.		

ROADWAY ELECTRIFICATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)

RSA = 30

Baseline		RPEV Scenarios					
		Exclusive*		Non-Exclusive**			
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	172,835	<del>1</del> 3	345,507 177,278	1	172,171	3	344,228
3	341,141			3	344,228	5	9,113
4	13,131	4	9,473	5	2,309	6	2,241
5	2,268	5	2,309				
6	n.a.	6	n.a.				
Total		Total		Total		Total	
	531,791		536,983		530,168		530,168
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
3	10,296 3,288	1	3,393	1	3,275	3	10,596
4	287	3	10,494	3	10,596	4	206
5	115	4	213	4	206	5	113
6	n.a.	5	117	5	113	6	n.a.
6	n.a.	6	n.a.	6	n.a.		
Total		Total		Total		Total	
	14,044		14,275		14,248		14,248
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	146	1	170	1	145	3	3,640
3	3,402	3	3,513	3	3,640	4	0
4	1	4	1	4	0	5	1
5	1	5	2	5	1	6	n.a.
6	n.a.	6	n.a.	6	n.a.		
Total		Total		Total		Total	
	3,551		3,685		3,787		3,787
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	52.56	1	52.25	1	52.57	3	32.49
3	33.13	3	32.92	3	32.49	4	44.24
4	45.75	4	44.47	4	44.24	5	19.83
5	19.72	5	19.74	5	19.83	6	n.a.
6	n.a.	6	n.a.	6	n.a.		
Total		Total		Total		Total	
	n.a.		n.a.		n.a.		n.a.

**ROADWAY ELECTRIFICATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)**

RSA = 35

<b>Baseline</b>		<b>RPEV Scenarios</b>			
		<b>Exclusive*</b>		<b>Non-Exclusive**</b>	
<b><u>FT</u></b>	<b><u>VMT</u></b>	<b><u>FT</u></b>	<b><u>VMT</u></b>	<b><u>FT</u></b>	<b><u>VMT</u></b>
1		1	267,674	1	259,420
3	313,448 349,386	3	356,030	3	345,593
4	20,732	4	20,871	5	20,729
5	6,522	5	6,456	6	6,510
6	n.a.	6	50,908		64,813
<b>Total</b>	<b>691,372</b>	<b>Total</b>	<b>703,222</b>	<b>Total</b>	<b>698,348</b>
<b><u>FT</u></b>	<b><u>VHT</u></b>	<b><u>FT</u></b>	<b><u>VHT</u></b>	<b><u>FT</u></b>	<b><u>VHT</u></b>
1	10,464	1	9,161	1	9,256
3	16,200	3	16,496	3	15,977
4	3,013	4	3,175	4	2,974
5	326	5	323	5	325
6	n.a.	6	3,002	6	3,415
<b>Total</b>	<b>30,025</b>	<b>Total</b>	<b>32,179</b>	<b>Total</b>	<b>31,969</b>
<b><u>FT</u></b>	<b><u>VHD</u></b>	<b><u>FT</u></b>	<b><u>VHD</u></b>	<b><u>FT</u></b>	<b><u>VHD</u></b>
1	4,761	1	4,288	1	4,533
3	4,554	3	4,628	3	4,457
4	2,275	4	2,431	4	2,236
5	0	5	0	5	0
6	n.a.	6	2,079	6	2,239
<b>Total</b>	<b>11,590</b>	<b>Total</b>	<b>13,426</b>	<b>Total</b>	<b>13,465</b>
<b><u>FT</u></b>	<b><u>SPEED</u></b>	<b><u>FT</u></b>	<b><u>SPEED</u></b>	<b><u>FT</u></b>	<b><u>SPEED</u></b>
1	29.95	1	29.22	1	28.02
3	21.57	3	21.58	3	21.63
4	6.88	4	6.57	4	6.97
5	20.00	5	19.99	5	20.03
6	n.a.	6	16.96	6	18.98
<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>

ROADWAY ELECTRIFICATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)

RSA = 36

Baseline		RPEV Scenarios			
		Exclusive*		Non-Exclusive**	
<u>FT</u>	<u>VMT</u>	<u>FT</u> <u>1</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1		3	527,900 157,307	1	156,276
3	201,103 510,823			3	507,762
4	38,548	4	39,865	4	38,564
5	9,898	5	9,695	5	9,742
6	n.a.	6	44,543	6	54,865
<b>Total</b>	<b>762,327</b>	<b>Total</b>	<b>781,264</b>	<b>Total</b>	<b>769,163</b>
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	6,607	3	31,891 5,010	1	5,113
3	28,714			3	28,268
4	1,624	4	1,656	4	1,597
5	495	5	485	5	<b>487</b>
6	n.a.	6	1,681	6	2,332
<b>Total</b>	<b>37,473</b>	<b>Total</b>	<b>40,755</b>	<b>Total</b>	<b>37,831</b>
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	2,953	1	2,151	1	2,274
3	11,982	3	14,604	3	11,634
4	250	4	235	4	222
5	0	5	0	5	0
6	n.a.	6	871	6	1,335
<b>Total</b>	<b>15,185</b>	<b>Total</b>	<b>17,861</b>	<b>Total</b>	<b>15,465</b>
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	30.44	1	31.40	1	30.56
3	17.79	3	16.55	3	17.96
4	23.74	4	24.07	4	24.15
5	20.00	5	20.00	5	20.00
6	n.a.	6	26.50	6	23.53
<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>

**ROADWAY ELECTRIFICATION**  
**2025 REGIONAL HIGHWAY NETWORK**  
**(AM PEAK)**

RSA = 37

Baseline		RPEV Scenarios			
		Exclusive*		Non-Exclusive**	
<u><b>FT</b></u> <b>3</b>	<u><b>VMT</b></u> 605,618 719,925	<u><b>FT</b></u> <b>3</b>	<u><b>VMT</b></u> 538,944 639,588	<u><b>FT</b></u> <b>3</b>	<u><b>VMT</b></u> 614,847 521,848
4	51,566	4	57,356	4	53,264
5	16,624	5	13,216	5	14,118
6	n.a.	6	151,841	6	210,975
-----	-----	-----	-----	-----	-----
<b>Total</b>	<b>1,396,338</b>	<b>Total</b>	<b>1,403,548</b>	<b>Total</b>	<b>1,417,654</b>
<u><b>FT</b></u>	<u><b>VHT</b></u>	<u><b>FT</b></u>	<u><b>VHT</b></u>	<u><b>FT</b></u>	<u><b>VHT</b></u>
1	25,383	1	18,617	1	1a,275
3	25,874	3	28,192	3	26,537
4	2,203	5	2,676	4	2,326
5	a33	6	6,710 661	5	706
6	n.a.	-----	-----	6	9,535
-----	-----	-----	-----	-----	-----
<b>Total</b>	<b>54,336</b>	<b>Total</b>	<b>56,899</b>	<b>Total</b>	<b>57,422</b>
<u><b>FT</b></u>	<u><b>VHD</b></u>	<u><b>FT</b></u>	<u><b>VHD</b></u>	<u><b>FT</b></u>	<u><b>VHD</b></u>
1	-----	1	8,821	1	8,790
3	12,297 5,687	3	6,872	3	6,042
4	362	5	<b>628</b>	5	424
5	1	6	3,950 0	6	5,700 0
6	n.a.	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----
<b>Total</b>	<b>18,347</b>	<b>Total</b>	<b>20,271</b>	<b>Total</b>	<b>20,956</b>
<u><b>FT</b></u>	<u><b>SPEED</b></u>	<u><b>FT</b></u>	<u><b>SPEED</b></u>	<u><b>FT</b></u>	<u><b>SPEED</b></u>
1	28.36	1	28.95	1	28.56
3	23.41	3	22.69	3	23.17
4	23.41	4	21.43	4	22.90
5	19.96	5	19.99	5	20.00
6	n.a.	6	22.63	6	22.13
-----	-----	-----	-----	-----	-----
<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>

**ROADWAY ELECTRIFICATION**  
**2025 REGIONAL HIGHWAY NETWORK**  
**(AM PEAK)**

RSA = 38

Baseline		RPEV Scenarios			
		Exclusive*		Non-Exclusive**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	464,433	<b>1</b>		1	289,614
3	546,090	<b>3</b>	318,027 561,385	3	540,470
4	51,466	4	51,129	4	49,183
5	11,363	5	10,386	5	10,767
6	n.a.	6	129,534	6	181,469
-----	-----	-----	-----	-----	-----
<b>Total</b>	<b>1,075,480</b>	<b>Total</b>	<b>1,072,587</b>	<b>Total</b>	<b>1,072,628</b>
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	18,993	1	13,662	1	10,664
3	23,059	3	<b>23,817</b>	3	23,437
<b>5</b>	2,215	<b>5</b>	2,164	<b>5</b>	2,111
<b>6</b>	568	<b>6</b>	521	<b>6</b>	8,108 540
	n.a.		5,347		
-----	-----	-----	-----	-----	-----
<b>Total</b>	<b>44,871</b>	<b>Total</b>	<b>45,546</b>	<b>Total</b>	<b>44,895</b>
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	10,543	<b>1</b>		1	<b>5,395</b>
3	4,856	<b>3</b>	7,876	3	5,421
4	378	4	5,104	4	355
5	0	5	339	5	2
6	n.a.	6	<b>2,990</b>	6	4,806
-----	-----	-----	-----	-----	-----
<b>Total</b>	<b>15,777</b>	<b>Total</b>	<b>16,310</b>	<b>Total</b>	<b>15,978</b>
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	24.45	1	23.28	1	27.16
3	23.68	3	23.57	3	23.06
4	23.24	4	23.63	4	23.30
5	20.01	5	19.93	5	19.94
6	n.a.	6	24.23	6	22.38
-----	-----	-----	-----	-----	-----
<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>



ROADWAY ELECTRIFICATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)

RSA = 39

Baseline		RPEV Scenarios					
		Exclusive*		Non-Exclusive**			
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	480,424	1	490,307	1	452,756		
3	695,644	3	732,711	3	719,137		
4	104,819	4	113,914	4	108,485		
5	27,363	5		5	26,715		
6	n.a.	6	28,804 22,539	6	36,530		
<b>Total</b>	<b>1,311,364</b>	<b>Total</b>	<b>1,391,387</b>	<b>Total</b>	<b>1,346,737</b>		
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	25,879	1	36,083	1	23,555		
3	40,580	3	72,497	3	84,778		
5	5,194	4	6,433	4	5,714		
6	1,439	5	1,523	5	1,386		
	n.a.	6	537	6	1,328		
<b>Total</b>	<b>73,144</b>	<b>Total</b>	<b>117,125</b>	<b>Total</b>	<b>116,812</b>		
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	17,143	1	27,167	1	15,321		
3	17,392	3	48,073	3	60,807		
4	1,450	4	2,365	4	1,840		
5	71	5	a3	5	50		
6	n.a.	6	127	6	664		
<b>Total</b>	<b>36,056</b>	<b>Total</b>	<b>77,815</b>	<b>Total</b>	<b>78,682</b>		
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	18.56	1	13.59	1	19.22		
3	17.14	3	10.11	3	<b>8.48</b>		
4	20.18	4	17.71	4	1a.99		
5	19.02	5	18.91	5	19.27		
6	n.a.	6	41.97	6	27.51		
<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>		

**ROADWAY ELECTRIFICATION**  
**2025 REGIONAL HIGHWAY NETWORK**  
**(AM PEAK)**

RSA = 40

Baseline		RPEV Scenarios			
		Exclusive*		Non-Exclusive**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1		1		1	
3	1,750,330	3	1,741,847	3	1,704,931
4	230,749	4	235,754	4	238,300
5	19,111	5	19,565	5	18,961
6	n.a.	6	n.a.	6	n.a.
Total	2,009,588	Total	2,006,992	Total	1,972,130
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	48,199	1	50,904	1	49,083
3	9,736	3	10,166	3	10,488
5	1,506	4	1,542	5	1,477
6	414	5	437	6	442
	n.a.	6	n.a.		n.a.
Total	59,874	Total	63,067	Total	61,509
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	16,377	1	19,237	1	18,087
3	2,045	3	2,307	3	2,544
4	824	4	844	4	801
5	1	5	3	5	3
6	n.a.	6	n.a.	6	n.a.
Total	19,247	Total	22,391	Total	21,435
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	36.31	1	34.22	1	34.74
3	23.70	3	23.19	3	22.72
4	12.69	4	12.69	4	12.84
5	19.94	5	19.87	5	19.90
6	n.a.	6	n.a.	6	n.a.
Total	n.a.	Total	n.a.	Total	n.a.

**ROADWAY ELECTRIFICATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)**

RSA = 41

Baseline		RPEV Scenarios			
		Exclusive*		Non-Exclusive**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1		1	533,888	1	482,797
3	655,774 326,666	3	337,119	3	359,355
	n.a.	4	n.a.	4	n.a.
4	12,282	5	13,015	5	12,845
6	n.a.	6	146,834	6	195,959
<hr/>		<hr/>		<hr/>	
Total	995,580	Total	1,031,714	Total	1,051,814
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	29,337	1	26,804	1	20,075
3	24,342	3	30,147	3	38,994
5	n.a.	5	n.a.	4	n.a.
6	622	6	6,645 662	5	653
	n.a.			6	11,013
<hr/>		<hr/>		<hr/>	
Total	54,315	Total	64,272	Total	70,749
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	17,424	1	17,106	1	11,306
3	13,860	3	19,361	3	27,468
4	n.a.	4	n.a.	4	n.a.
5	8	5	11	5	10
6	n.a.	6	3,976	6	7,451
<hr/>		<hr/>		<hr/>	
Total	31,291	Total	40,454	Total	46,236
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	22.35	1	19.92	1	24.05
3		3	n.a.	3	9.22
4	n.a.	4	19.66	4	n.a.
5	19.75	5		5	19.67
6	n.a.	6	22.10	6	17.79
<hr/>		<hr/>		<hr/>	
Total	n.a.	Total	n.a.	Total	n.a.

ROADWAY ELECTRIFICATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)

RSA = 42

<b>RPEV Scenarios</b>					
Baseline		Exclusive*		Non-Exclusive**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1		1	588,656	1	557,232
3	718,846 647,979	3	674,131	3	651,969
4	216,403	4	223,678	4	211,472
5	27,106	5	24,543	5	25,311
6	n.a.	6	150,321	6	199,119
Total		Total		Total	
	1,614,260		1,665,254		1,649,027
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	28,531	1	25,500	1	22,190
3	42,908	3	42,342	3	41,880
5	24,412	4	23,977	4	21,615
6	1,368	5	1,229	5	1,270
	n.a.	6	9,975	6	12,107
Total		Total		Total	
	97,292		103,096		99,124
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	15,457	1	14,789	1	12,041
3	21,298	3	19,860	3	20,136
4	16,687	5	15,992	4	14,066
5	13	6	7,245	5	4
6	n.a.			6	a,492
Total		Total		Total	
	53,456		57,888		54,738
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	25.20	1	23.08	1	25.12
3	15.10	3	15.92	3	15.57
4	8.86	4	9.33	4	9.78
5	19.81	5	19.97	5	19.93
6	n.a.	6	15.07	6	16.45
Total		Total		Total	
	n.a.		n.a.		n.a.

**ROADWAY ELECTRIFICATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)**

RSA = 43

Baseline		RPEV Scenarios					
		Exclusive+		Non-Exclusive**			
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	372,917	1	372,277	1	230,991	3	374,469
3	234,400	3	235,237	3		4	26,168
4	27,374	4	26,002	4		5	9,988
5	10,312	5	9,802	5		6	n.a.
6	n.a.	6	n.a.	6			
<b>Total</b>	<b>646,067</b>	<b>Total</b>	<b>644,382</b>	<b>Total</b>		<b>Total</b>	<b>642,679</b>
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	12,705	1	12,352	1	12,796	3	13,410
3	13,706	3	13,788	3		5	1,476
4	1,530	4	1,398	4		6	504
5	519	5	493	5			
6	n.a.	6	n.a.	6			
<b>Total</b>	<b>28,477</b>	<b>Total</b>	<b>28,049</b>	<b>Total</b>		<b>Total</b>	<b>28,203</b>
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	5,923	1	5,582	1	5,986	3	5,922
3	6,082	3	6,175	3		4	541
5	552	5	469	4		5	5
6	3	6	3	5		6	n.a.
6	n.a.	6	n.a.	6			
<b>Total</b>	<b>12,561</b>	<b>Total</b>	<b>12,229</b>	<b>Total</b>		<b>Total</b>	<b>12,454</b>
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	29.35	1	30.14	1	29.26	3	17.23
3		3	17.06	3		5	17.73
5	17.10 17.89	4	18.60	4		6	19.82
6	19.87	5	19.88	5			
6	n.a.	6	n.a.	6			
<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>	<b>Total</b>		<b>Total</b>	<b>n.a.</b>

ROADWAY ELECTRIFICATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)

RSA = 44

Baseline		RPEV Scenarios			
		Exclusive*		Non-Exclusive**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1		3	744,610	1	703,160
3	967,518 540,572		596,531	3	585,260
4	28,592	4	21,253	5	24,847
5	18,697	5	17,366	6	234,866 17,347
6	n.a.	6	133,316		
<b>Total</b>	<b>1,557,606</b>	<b>Total</b>	<b>1,515,303</b>	<b>Total</b>	<b>1,567,706</b>
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	44,309	1	39,591	1	35,296
3	51,128	3	65,117	3	67,191
4	9,546	4	2,770	5	6,440
5	983	5	902	6	25,058 946
6	n.a.	6	7,138		
<b>Total</b>	<b>106,004</b>	<b>Total</b>	<b>115,555</b>	<b>Total</b>	<b>134,968</b>
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	26,708	1	26,048	1	22,508
3	33,109	3	45,233	3	47,682
4	8,526	4	2,012	4	5,554
5	48	5	34	5	79
6	n.a.	6	4,710	6	20,782
<b>Total</b>	<b>68,392</b>	<b>Total</b>	<b>78,037</b>	<b>Total</b>	<b>96,605</b>
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	21.84	1	18.81	1	19.92
3		3	9.16	3	a.71
4	10,57 3.00	4	7.67	4	3.86
5	19.02	5	19.25	5	18.34
6	n.a.	6	18.68	6	9.37
<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>

**ROADWAY ELECTRIFICATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)**

RSA = 45

Baseline		RPEV SC Exclusive*		narios Non-Exclusive**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	409,453	1	416,915	1	411,830
3	184,439	3	181,617	3	183,017
4	3,078	4	3,080	<b>5</b>	3,080
5	4,399	5	4,301	<b>6</b>	4,443
6	n.a.	6	n.a.		n.a.
<hr/>		<hr/>		<hr/>	
<b>Total</b>	<b>601,948</b>	<b>Total</b>	<b>606,492</b>	<b>Total</b>	<b>602,950</b>
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
<b>1</b>	11,739	1	11,759	1	<b>11,487</b>
3	6,867	3	7,036	3	6,956
4	117	<b>5</b>	117	4	117
5	220	<b>6</b>	215	5	222
6	n.a.		n.a.	6	n.a.
<hr/>		<hr/>		<hr/>	
<b>Total</b>	<b>1a.952</b>	<b>Total</b>	<b>19,136</b>	<b>Total</b>	<b>18,791</b>
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	4,289	1	4,173	1	3,993
3	719	3	982	3	855
<b>4</b>	<b>70</b>	4	7	4	7
6	n.a.	5	0	5	0
		6	n.a.	6	n.a.
<hr/>		<hr/>		<hr/>	
<b>Total</b>	<b>5,015</b>	<b>Total</b>	<b>5,162</b>	<b>Total</b>	<b>4,856</b>
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	34.88	1	35.45	1	35.85
3	26.86	3	25.81	3	26.31
4	26.31	4	26.32	4	26.32
5	20.00	5	20.00	5	20.01
6	n.a.	6	n.a.	6	n.a.
<hr/>		<hr/>		<hr/>	
<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>

**ROADWAY ELECTRIFICATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)**

RSA = 46

Baseline		RPEV Scenarios			
		Exclusive*		Non-Exclusive**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1				1	<b>1,061,913</b>
3	1,105,951	3	1,080,360	3	796,400
4	792,957	4	91,776	4	89,354
5	91,295	5	32,342	5	32,594
6	n.a.	6	34,421	6	45,588
	-----		-----		-----
<b>Total</b>	<b>2,025,264</b>	<b>Total</b>	<b>2,041,157</b>	<b>Total</b>	<b>2,029,640</b>
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	40,489			1	39,149
3	42,193	3	41,605	3	41,086
5	5,588	4	5,674	4	5,111
6	1,567	5	1,621	5	1,634
	n.a.	6	1,468	6	2,203
	-----		-----		-----
<b>Total</b>	<b>89,901</b>	<b>Total</b>	<b>89,836</b>	<b>Total</b>	<b>89,246</b>
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1		1	21,971	1	19,850
3	20,389	3	14,632	3	16,400
4	17,544	4	2,603	4	2,125
5	2,570	5	4	5	4
6	n.a.	6	842	6	1,374
	-----		-----		-----
<b>Total</b>	<b>40,508</b>	<b>Total</b>	<b>40,051</b>	<b>Total</b>	<b>39,753</b>
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	27.31	1	25.97	1	27.12
3	1a.79	3	20.26	3	19.38
4	16.34	4	16.17	4	17.48
5	19.96	5	19.95	5	19.95
6	n.a.	6	23.45	6	20.69
	-----		-----		-----
<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>



ROADWAY ELECTRIFICATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)

RSA = 47

Baseline		RPEV SC narios			
		Exclusive*		Non-Exclusive**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	208,278	1	219,126	1	
3	326,154	3	305,536	3	218,349 300,254
4	124,844	5	107,720	4	106,298
5	2,536	6	2,628	5	2,630
6	n.a.		n.a.	6	n.a.
-----		-----		-----	
<b>Total</b>	<b>662,559</b>	<b>Total</b>	<b>635,757</b>	<b>Total</b>	<b>628,276</b>
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	4,657	1	4,851	3	10,301 4,853
3	12,465	3	10,575	4	8,426
4	11,641	4	8,365	5	132
5	127	5	131	6	n.a.
6	n.a.	6	n.a.		
-----		-----		-----	
<b>Total</b>	<b>28,902</b>	<b>Total</b>	<b>23,934</b>	<b>Total</b>	<b>23,723</b>
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	a71	1	<b>867</b>	1	883
3	4,405	3	3,114	3	2,957
4	a,555	4	5,713	4	5,812
5	0	5	0	5	0
6	n.a.	6	n.a.	6	n.a.
-----		-----		-----	
<b>Total</b>	<b>13,830</b>	<b>Total</b>	<b>9,695</b>	<b>Total</b>	<b>9,653</b>
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	44.72	1	45.17	1	44.99
3	26.17	3	28.89	3	
5	10.72	5	12.88	4	29.15 12.62
6	19.97	6	20.06	5	19.92
	n.a.		n.a.	6	n.a.
-----		-----		-----	
<b>Total</b>	n.a.	<b>Total</b>	n.a.	<b>Total</b>	n.a.

**ROADWAY ELECTRIFICATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)**

RSA = 48

Baseline		RPEV SCenarios			
		Exclusive*		Non-Exclusive**	
<b><u>FT</u></b>	<b><u>VMT</u></b>	<b><u>FT</u></b>	<b><u>VMT</u></b>	<b><u>FT</u></b>	<b><u>VMT</u></b>
1	51,476	3	297,817 60,360	1	58,267
3	282,183	4	100,560	3	298,185
4	97,822	5	0	4	103,401
5	0	6	n.a.	5	0
6	n.a.			6	n.a.
<b>Total</b>	433,324	<b>Total</b>	460,580	<b>Total</b>	461,696
<b><u>FT</u></b>	<b><u>VHT</u></b>	<b><u>FT</u></b>	<b><u>VHT</u></b>	<b><u>FT</u></b>	<b><u>VHT</u></b>
1	989	1	1,200	1	1,149
3	55,638	3	64,897	3	64,080
5	22,115	5	31,575	4	27,235
6	0	6	0	5	0
	n.a.		n.a.	6	n.a.
<b>Total</b>	78,779	<b>Total</b>	97,710	<b>Total</b>	92,500
<b><u>FT</u></b>	<b><u>VHD</u></b>	<b><u>FT</u></b>	<b><u>VHD</u></b>	<b><u>FT</u></b>	<b><u>VHD</u></b>
1	52	1	102	1	a9
3	49,995	3	58,941	3	58,116
4	20,160	5	29,565	4	25,168
5	0	6	0	5	0
6	n.a.		n.a.	6	n.a.
<b>Total</b>	70,207	<b>Total</b>	88,608	<b>Total</b>	83,373
<b><u>FT</u></b>	<b><u>SPEED</u></b>	<b><u>FT</u></b>	<b><u>SPEED</u></b>	<b><u>FT</u></b>	<b><u>SPEED</u></b>
1	52.05	1	50.30	1	50.71
3		3	4.59	3	4.65
4	5.07 4.43	4	3.18	4	3.80
5	0	5	0	5	0
6	n.a.	6	n.a.	6	n.a.
<b>Total</b>	n.a.	<b>Total</b>	n.a.	<b>Total</b>	n.a.

ROADWAY ELECTRIFICATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)

RSA = 49

Baseline		RPEV Scenarios			
		Exclusive*		Non-Exclusive**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	390,068	1		1	
3	189,869	3	371,893 200,135	3	372,176 196,629
4	39,225	4	37,375	4	36,229
5	5,239	5	4,998	5	4,983
6	n.a.	6	n.a.	6	n.a.
<b>Total</b>	<b>629,631</b>	<b>Total</b>	<b>619,631</b>	<b>Total</b>	<b>615,246</b>
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	10,230	1	9,326	1	9,345
3	5,158	3	5,299	3	5,064
5	952	4	868	4	822
6	262	5	250	5	249
	n.a.	6	n.a.	6	n.a.
<b>Total</b>	<b>16,729</b>	<b>Total</b>	<b>15,869</b>	<b>Total</b>	<b>15,607</b>
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	3,137	1	2,563	1	2,576
3	1,361	3	1,297	3	1,132
4	168	5	121	4	99
5	0	6	0	5	0
6	n.a.		n.a.	6	n.a.
<b>Total</b>	<b>4,666</b>	<b>Total</b>	<b>3,980</b>	<b>Total</b>	<b>3,807</b>
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	38.13	1	39.88	1	39.83
3	36.81	3	37.77	3	38.83
4	41.20	4	43.11	4	44.07
5	20.00	5	19.99	5	20.01
6	n.a.	6	n.a.	6	n.a.
<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>

**ROADWAY ELECTRIFICATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)**

RSA = 50

Baseline		RPEV Scenarios			
		Exclusive*		Non-Exclusive**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	266,139	1		1	267,974
3	110,958	3	268,036	3	111,547
	n.a.	4	n.a.	4	3,918
4	3,835	5	3,909	5	
6	n.a.	6	n.a.	6	n.a.
<b>Total</b>		<b>Total</b>		<b>Total</b>	
	381,656		388,597		389,601
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	5,025	1	5,069	1	5,056
3	2,547	3	2,680	3	2,718
4	n.a.	4	n.a.	5	n.a.
5	192	5	195	6	196
6	n.a.	6	n.a.		n.a.
<b>Total</b>		<b>Total</b>		<b>Total</b>	
	381,656		7,959		7,984
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1		1	196	1	184
3	328	3	362	3	379
4	n.a.	4	n.a.	4	n.a.
5	0	5	0	5	0
6	n.a.	6	n.a.	6	n.a.
<b>Total</b>		<b>Total</b>		<b>Total</b>	
	515		558		563
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	52.96	1	52.88	1	53.00
3	43.56	3	43.26	3	43.04
	n.a.	4	n.a.	4	n.a.
4	19.97	5	20.05	5	19.99
6	n.a.	6	n.a.	6	n.a.
<b>Total</b>		<b>Total</b>		<b>Total</b>	
	n.a.		n.a.		n.a.

**ROADWAY ELECTRIFICATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)**

COUNTY = Los Angeles

Baseline		RPEV Scenarios			
		Exclusive*		Non-Exclusive**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	14,233,443	1		1	11,624,121
3	13,349,037	3	11,951,622	3	13,066,939
4	1,173,101	4	1,165,237	4	1,139,539
5	332,784	5	319,023	5	321,656
6	n.a.	6	1,945,640	6	2,885,511
<b>Total</b>	<b>29,147,255</b>	<b>Total</b>	<b>29,073,040</b>	<b>Total</b>	<b>29,096,656</b>
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	516,943	1	450,968	1	438,501
3	680,676	3	685,506	3	652,255
4	52,916	4	52,185	4	50,718
5	16,671	5	15,979	5	16,105
6	n.a.	6	100,455	6	156,914
<b>Total</b>	<b>1,268,252</b>	<b>Total</b>	<b>1,306,137</b>	<b>Total</b>	<b>1,315,540</b>
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
3	233,420	1		1	
	258,179	3	233,685	3	227,173
4	11,969	4	11,264	4	10,755
5	32	5	27	5	23
6	n.a.	6	65,088	6	104,462
<b>Total</b>	<b>503,600</b>	<b>Total</b>	<b>538,128</b>	<b>Total</b>	<b>557,712</b>
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	27.53	1	26.50	1	26.51
3	19.61	3	19.89	3	20.03
4	22.17	4	22.33	4	22.47
5	19.96	5		5	19.97
6	n.a.	6	19.97	6	1a.39
<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>

**ROADWAY ELECTRIFICATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)**

COUNTY = Orange

Baseline		RPEV Scenarios			
		Exclusive*		Non-Exclusive**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	6,644,718	1	5,753,539	1	5,502,502
3	4,687,930	3	4,896,385	3	4,793,684
4	558,612	4	573,632	4	551,674
5	148,424	5	141,966	5	142,136
6	n.a.	6	829,835	6	1,178,595
<b>Total</b>	<b>12,059,982</b>	<b>Total</b>	<b>12,215,652</b>	<b>Total</b>	<b>12,188,887</b>
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1		1	237,684	1	206,294
3	250,407 276,247	3	334,451	3	350,959
4	51,244	5	45,791	4	45,730
5	7,567	6	41,035 7,235	5	7,258
6	n.a.			6	72,896
<b>Total</b>	<b>585,811</b>	<b>Total</b>	<b>666,542</b>	<b>Total</b>	<b>683,483</b>
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	129,587	1		1	106,241
3	120,866	3	133,066 172,216	3	192,114
4	31,304	4	25,315	4	26,038
5	145	5	136	5	152
6	n.a.	6	25,949	6	51,470
<b>Total</b>	<b>281,902</b>	<b>Total</b>	<b>356,681</b>	<b>Total</b>	<b>376,014</b>
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	26.54	1	24.21	1	26.67
3	16.97	3	14.64	3	13.66
5	10.90	4	12.53	4	12.06
6	19.61	5	19.62	5	
	n.a.	6	20.22	6	19.58 16.17
<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>

ROADWAY ELECTRIFICATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)

COUNTY = Riverside

Baseline		RPEV Scenarios			
		Exclusive*		Non-Exclusive**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	2,431,365	1	2,416,689	1	2,390,509
3	1,886,561	3	1,899,504	3	1,891,471
4	356,264	a	340,511	4	338,362
5	47,282	5	48,179	5	48,568
6	n.a.	6	34,421	6	45,588
<b>Total</b>	<b>4,734,381</b>	<b>Total</b>	<b>4,752,214</b>	<b>Total</b>	<b>4,727,408</b>
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	73,130	1	73,809	3	130,205
3	124,868	3	129,893	4	41,711
4	40,412	4	46,598	5	2,432
5	2,368	5	2,413	6	2,203
6	n.a.	6	1,468		
<b>Total</b>	<b>241,041</b>	<b>Total</b>	<b>254,445</b>	<b>Total</b>	<b>247,852</b>
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1		1		3	27,576
3	28,924	3	29,871	4	33,210
4	31,461	4	38,009	5	4
5	4	5	4	6	1,374
6	n.a.	6	842		
<b>Total</b>	<b>134,740</b>	<b>Total</b>	<b>148,054</b>	<b>Total</b>	<b>142,003</b>
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1		1	32.74	1	33.65
3	33.25	3	14.62	3	14.53
4	<b>8.82</b>	4	7.31	4	8.11
5	19.97	5	19.97	5	19.97
6	n.a.	6	23.45	6	20.69
<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>

**ROADWAY ELECTRIFICATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)**

**COUNTY = San Bernardino**

Baseline		RPEV Scenarios					
		Exclusive*		Non-Exclusive**			
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	2,664,983	1	2,629,248	1	2,608,918	1	2,608,918
3	2,260,563	3	2,230,476	3	2,212,380	3	2,212,380
4	146,335	4	149,261	4	154,515	4	154,515
5	53,552	5	53,324	5	53,024	5	53,024
6	n.a.	6	67,940	6	83,085	6	83,085
Total		Total		Total		Total	
5,141,477		5,146,297		5,127,970		5,127,970	
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	74,990	1	73,553	1	72,877	1	72,877
3	108,967	3	103,707	3	104,243	3	104,243
5	31,330	4	31,410	4	33,170	4	33,170
6	2,680	5	2,669	5	2,654	5	2,654
	n.a.	6	4,415	6	4,725	6	4,725
Total		Total		Total		Total	
218,292		216,078		217,994		217,994	
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1		1		1	25,446	1	25,446
3	26,540	3	25,753	3	36,422	3	37,542
4	40,522	4	26,206	4	27,773	4	27,773
5	26,289	5	3	5	3	5	3
6	2	6	3,179	6	3,214	6	3,214
	n.a.						
Total		Total		Total		Total	
93,353		91,564		93,978		93,978	
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	35.54	1	35.75	1	35.80	1	35.80
3	20.75	3	21.51	3	21.22	3	21.22
5	4.67	4	4.75	5	4.66	5	4.66
6	19.98	5		6	17.58	6	19.98
	n.a.	6	19.98	6	15.39		
Total		Total		Total		Total	
n.a.		n.a.		n.a.		n.a.	



**ROADWAY ELECTRIFICATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)**

COUNTY = Ventura

Baseline		RPEV Scenarios			
		Exclusive*		Non-Exclusive**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
3	1,200,757 735,523	3	1,206,293 714,385	1	1,173,146
4	134,713	4	134,620	3	710,907
5	29,537	5	28,791	4	134,867
6	n.a.	6	25,913	5	28,815
				6	32,828
<b>Total</b>	<b>2,105,134</b>	<b>Total</b>	<b>2,114,606</b>	<b>Total</b>	<b>2,085,165</b>
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1		1	24,839	1	
3	24,882 71,115	3	70,168	3	24,201 70,008
4	5,772	4	5,741	4	5,752
5	1,477	5	1,440	5	1,441
6	n.a.	6	1,079	6	1,217
<b>Total</b>	<b>103,327</b>	<b>Total</b>	<b>103,347</b>	<b>Total</b>	<b>102,700</b>
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1		1	2,910	1	2,874
3	47,306 3,053	3	47,152	3	47,113
4	1,224	4	1,181	4	1,187
5	0	5	0	5	0
6	n.a.	6	607	6	620
<b>Total</b>	<b>51,582</b>	<b>Total</b>	<b>51,851</b>	<b>Total</b>	<b>51,793</b>
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	48.26	1	48.56	1	
3	10.34	3	10.18	3	48.48 10.15
4	23.34	5	23.45	4	23.45
5	20.00	6	24.02 19.99	5	20.00
6	n.a.			6	26.97
<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>

**ROADWAY ELECTRIFICATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)**

**COMPLETE SYSTEM**

Baseline		RPEV Scenarios					
		Exclusive*		Non-Exclusive**			
<b><u>FT</u></b>	<b><u>VMT</u></b>	<b><u>FT</u></b>	<b><u>VMT</u></b>	<b><u>FT</u></b>	<b><u>VMT</u></b>		
1	27,175,266	1	23,957,391	1	23,299,196		
3	22,919,614	3	23,373,379	3	22,675,381		
4	2,369,025	4	2,363,261	4	2,318,957		
5	611,580	5	591,284	5	594,199		
6	n.a.	6	2,903,749	6	4,225,607		
<b>Total</b>	<b>53,188,229</b>	<b>Total</b>	<b>53,301,809</b>	<b>Total</b>	<b>53,226,087</b>		
<b><u>FT</u></b>	<b><u>VHT</u></b>	<b><u>FT</u></b>	<b><u>VHT</u></b>	<b><u>FT</u></b>	<b><u>VHT</u></b>		
1	940,352	1	860,854	1	812,910		
3	1,261,873	3	1,323,724	3	1,307,670		
4	181,674	4	181,726	4	177,080		
5	30,763	5	29,734	5	29,891		
6	n.a.	6	148,451	6	237,956		
<b>Total</b>	<b>2,416,722</b>	<b>Total</b>	<b>2,546,550</b>	<b>Total</b>	<b>2,567,568</b>		
<b><u>FT</u></b>	<b><u>VHD</u></b>	<b><u>FT</u></b>	<b><u>VHD</u></b>	<b><u>FT</u></b>	<b><u>VHD</u></b>		
1		3		1	389,310		
3	446,283 516,465	4	425,285 563,182	3	571,907		
4	102,246	5	101,975	4	98,963		
5	184	6	170	5	181		
6	n.a.	6	95,665	6	161,139		
<b>Total</b>	<b>1,065,177</b>	<b>Total</b>	<b>1,186,277</b>	<b>Total</b>	<b>1,221,500</b>		
<b><u>FT</u></b>	<b><u>SPEED</u></b>	<b><u>FT</u></b>	<b><u>SPEED</u></b>	<b><u>FT</u></b>	<b><u>SPEED</u></b>		
1	28.90	1	27.8	1	28.7		
3	18.16	3	17.7	3	17.3		
4	13.04	4	13.0	4	13.1		
5	19.88	5		5	19.9		
6	n.a.	6	19.9 19.6	6	17.8		
<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>		

## **APPENDIX P**

# **2025 HIGHWAY AUTOMATION NETWORK AM PEAK MOBILITY STATISTICS BY CONSTRUCTION CODE**

## Construction Code Designations

### 2025 AUTOMATION SCENARIO NETWORK

<u>Route</u>	<u>Construction Code (CC)</u>	<u>Description</u>
101	1	23 to 405
10 (E)	2	605 to 15
91	3	57 to 15
405 (N)	4	5 to 19
405 (S)	5	19 to 5
105	6	405 to 605
57	7	5 to 60
110	8	1 to 210
5 (N)	9	405 to 10
5 (S)	10	10 to 405
10 (W)	11	1 to 110
10 (E)	12	110 to 60
5 (N)	13	405 to 126
5 (S)	14	405 to Foothill
101/134	15	405 to 710
60	16	10 to Box Springs
91	17	605 to 57
605	18	405/22 to 210
57	19	60 to 10
10 (E)	20	15 to Redlands
101	21	Oxnard to 23
101/170	22	5/10/60 - 5/405(N)
14	23	5 to Palmdale
210	24	101/134/110 - 10/57
91	25	110 to 605

<u>Route</u>	<u>Construction Code (CC)</u>	<u>Description</u>
22	26	405 to 5
55	27	405 to 91
30	28	210 to 215
91	29	15 to 60/215
215	30	15/60 to 30

HIGHWAY AUTOMATION  
2025 REGIONAL HIGHWAY NETWORK  
(AH PEAK)

cc = 1

Baseline		Automation Scenarios			
		Base Network Ramp Facilities*		Additional Ramp Facilities**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	486,908 (209,925)	1	256,713 (136,055)	1	235,564 (101,126)
7	n.a.	7	501,262 (130,413)	7	516,805 (158,901)
<b>Total</b>	<b>486,908</b> <b>(209,925)</b>	<b>Total</b>	<b>757,976</b> <b>(266,468)</b>	<b>Total</b>	<b>752,369</b> <b>(260,028)</b>
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	25,049 ( 4,172)	1	10,565 ( 2,830)	1	9,393 ( 1,892)
7	n.a.	7	9,110 ( 2,370)	7	9,393 ( 2,888)
<b>Total</b>	<b>25,049</b> <b>( 4,172)</b>	<b>Total</b>	<b>19,675</b> <b>( 5,900)</b>	<b>Total</b>	<b>18,786</b> <b>( 4,780)</b>
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	16,200 ( 356)	1	5,900 ( 357)	1	5,112 ( 54)
7	n.a.	7	0 ( 0)	7	0 ( 0)
<b>Total</b>	<b>16,200</b> <b>( 356)</b>	<b>Total</b>	<b>5,900</b> <b>( 357)</b>	<b>Total</b>	<b>5,112</b> <b>( 54)</b>
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	19.4 (50.3)	1	24.3 (48.1)	1	25.1 (53.4)
7	n.a.	7	55.0 (55.0)	7	55.0 (55.0)
<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>

**HIGHWAY AUTOMATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)**

cc = 2

Baseline		Automation Scenarios			
		Base Network Ramp Facilities*		Additional Ramp Facilities**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	530,358 (223,857)	1	271,628 (141,473)	1	240,479 (104,704)
7	n.a.	7	495,776 (116,802)	7	537,929 (153,623)
Total	530,358 (223,857)	Total	767,404 (258,274)	Total	778,408 (258,326)
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	23,320 ( 4,290)	1	9,158 ( 2,838)	1	7,184 ( 1,964)
7	n.a.	7	9,016 ( 2,124)	7	9,782 ( 2,793)
Total	23,320 ( 4,290)	Total	18,174 ( 4,962)	Total	16,966 ( 4,758)
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	13,677 ( 220)	1	4,219 ( 266)	1	2,811 ( 61)
7	n.a.	7	0	7	0 ( 0)
Total	13,677 ( 220)	Total	4,219 ( 266)	Total	2,811 ( 61)
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	22.7 (52.2)	1	29.7 (49.9)	1	33.5 (53.3)
7	n.a.	7	55.0 (55.0)	7	55.0 (55.0)
Total	n.a.	Total	n.a.	Total	n.a.

**HIGHWAY AUTOMATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)**

cc = 3

Baseline		Automatic Scenarios			
		Base Network Ramp Facilities*		Additional Ramp Facilities**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	485,301 (133,183)	1	221,341 ( 81,933)	1	204,550 ( 64,672)
7	n.a.	7	479,641 ( 58,619)	7	478,076 ( 69,391)
<b>Total</b>	<b>485,301</b> <b>(133,183)</b>	<b>Total</b>	<b>700,982</b> <b>(140,552)</b>	<b>Total</b>	<b>682,626</b> <b>(134,062)</b>
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	28,076 ( 2,465)	1	9,743 ( 1,618)	1	7,749 ( 1,194)
7	n.a.	7	8,720 ( 1,066)	7	8,692 ( 1,262)
<b>Total</b>	<b>28,076</b> <b>( 2,465)</b>	<b>Total</b>	<b>18,463</b> <b>( 2,684)</b>	<b>Total</b>	<b>16,441</b> <b>( 2,456)</b>
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	19,253 ( 43)	1	5,718 ( 128)	1	4,030 ( 18)
7	n.a.	7	0	7	0 ( 0)
<b>Total</b>	<b>19,253</b> <b>( 43)</b>	<b>Total</b>	<b>5,718</b> <b>( 128)</b>	<b>Total</b>	<b>4,030</b> <b>( 18)</b>
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	17.3 (54.0)	1	22.7 (50.6)	1	26.4 (54.2)
7	n.a.	7	55.0 (55.0)	7	55.0 (55.0)
<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>



HIGHWAY AUTOMATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)

CC = 4

Baseline		Automated Scenarios			
		Base Network Ramp Facilities*		Additional Ramp Facilities**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	827,669 ( 705,487)	1	442,199 ( 410,077)	1	370,437 ( 326,711)
7	n.a.	7	705,356 ( 448,085)	7	802,671 ( 556,858)
Total	827,669 ( 705,487)	Total	1,147,555 ( 858,162)	Total	1,173,108 ( 883,569)
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	35,206 ( 22,674)	1	16,920 ( 13,171)	1	12,940 ( 8,039)
7	n.a.	7	12,826 ( 8,147)	7	14,595 ( 10,124)
Total	35,206 ( 22,674)	Total	29,746 ( 21,318)	Total	27,535 ( 18,164)
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	20,155 ( 9,847)	1	8,879 ( 5,716)	1	6,203 ( 2,099)
7	n.a.	7	0 ( 0)	7	0 ( 0)
Total	20,155 ( 9,847)	Total	8,879 ( 5,716)	Total	6,203 ( 2,099)
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	23.5 (31.1)	1	26.1 (31.1)	1	28.6 (40.6)
7	n.a.	7	55.0 (55.0)	7	55.0 (55.0)
Total	n.a.	Total	n.a.	Total	n.a.

**HIGHWAY AUTOMATION**  
**2025 REGIONAL HIGHWAY NETWORK**  
**(AM PEAK)**

cc = 5

Baseline		Automation Scenarios			
		Base Network Ramp Facilities*		Additional Ramp Facilities**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	638,971 (365,070)	1	367,907 (249,813)	1	321,039 (192,333)
7	n.a.	7	469,222 (190,307)	7	525,264 (247,193)
<b>Total</b>	638,971 (365,070)	<b>Total</b>	837,129 (440,120)	<b>Total</b>	846,303 (439,526)
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	31,558 ( 10,060)	1	15,928 ( 8,252)	1	11,039 ( 4,489)
7	n.a.	7	8,535 ( 3,561)	7	9,555 ( 4,496)
<b>Total</b>	31,558 ( 10,060)	<b>Total</b>	24,463 ( 11,713)	<b>Total</b>	20,594 ( 8,985)
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	19,934 ( 3,419)	1	9,236 ( 3,708)	1	5,200 ( 990)
7	n.a.	7	0 ( 0)	7	0 ( 0)
<b>Total</b>	19,934 ( 3,419)	<b>Total</b>	9,236 ( 3,708)	<b>Total</b>	5,200 ( 990)
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	20.2 (36.3)	1	23.1 (30.3)	1	29.1 (42.8)
7	n.a.	7	55.0 (55.0)	7	55.0 (55.0)
<b>Total</b>	n.a.	<b>Total</b>	n.a.	<b>Total</b>	n.a.

HIGHWAY AUTOMATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)

CC = 6

Baseline		Automatic Scenario5			
		Base Network Ramp Facilities*		Additional Ramp Facilities**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	211,100 (137,912)	1	138,834 ( 99,016)	1	128,085 ( 68,942)
7	n.a.	7	200,090 ( 76,590)	7	208,512 (111,791)
Total	211,100 (137,912)	Total	338,924 (175,606)	Total	336,597 (180,733)
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	7,792 ( 3,067)	1	5,151 ( 2,435)	1	4,146 ( 1,368)
7	n.a.	7	3,636 ( 1,392)	7	3,789 ( 2,032)
Total	7,792 ( 3,067)	Total	8,787 ( 3,826)	Total	7,935 ( 3,400)
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	3,956 ( 561)	1	2,629 ( 635)	1	1,819 ( 115)
7	n.a.	7	0	7	0 ( 0)
Total	3,956 ( 561)	Total	2,629 ( 635)	Total	1,819 ( 115)
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	27.1 (45.0)	1	27.0 (40.7)	1	30.9 (50.4)
7	n.a.	7	55.0 (55.0)	7	55.0 (55.0)
Total	n.a.	Total	n.a.	Total	n.a.

**HIGHWAY AUTOMATION**  
**2025 REGIONAL HIGHWAY NETWORK**  
**(AM PEAK)**

cc = 7

Baseline		Automation Scenarios			
		Base Network Ramp Facilities*		Additional Ramp Facilities**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	259,961 (199,144)	1	121,348 (105,696)	1	94,933 ( 73,030)
7	n.a.	7	219,046 (107,328)	7	265,656 (144,462)
<b>Total</b>	259,961 (199,144)	<b>Total</b>	<b>340,393</b> (213,025)	<b>Total</b>	<b>360,588</b> (217,492)
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	9,208 ( 4,735)	1	4,045 ( 3,179)	1	2,302 ( 1,464)
7	n.a.	7	3,980 ( 1,950)	7	4,826 ( 2,625)
<b>Total</b>	9,208 ( 4,735)	<b>Total</b>	8,025 ( 5,129)	<b>Total</b>	7,128 ( 4,088)
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	4,485 ( 1,117)	1	1,840 ( 1,259)	1	577 ( 137)
7	n.a.	7		7	0 ( 0)
<b>Total</b>	4,485 ( 1,117)	<b>Total</b>	8,025 ( 1,259)	<b>Total</b>	577 ( 137)
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	28.2 (42.1)	1	30.0 (33.2)	1	41.2 (49.9)
7	n.a.	7	55.0 (55.0)	7	55.0 (55.0)
<b>Total</b>	n.a.	<b>Total</b>	n.a.	<b>Total</b>	n.a.

HIGHWAY AUTOMATION  
2025 **REGIONAL HIGHWAY NETWORK**  
(AM PEAK)

CC = 8

Baseline		Automatic Scenarios			
		Base Network Ramp Facilities*		Additional Ramp Facilities**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	415,280 (379,858)	1	310,187 (304,664)	1	264,049 (276,973)
7	n.a.	7	286,550 (247,399)	7	318,250 (273,182)
-----		-----		-----	
Total	415,280 (379,858)	Total	596,737 (552,063)	Total	582,298 (550,155)
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	13,930 ( 11,058)	1	11,746 ( 10,537)	1	8,938 ( 8,923)
7	n.a.	7	5,207 ( 4,497)	7	5,782 ( 4,956)
-----		-----		-----	
Total	13,930 ( 11,058)	Total	16,953 ( 15,034)	Total	14,720 ( 13,887)
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	6,385 ( 4,154)	1	6,110 ( 5,000)	1	4,140 ( 3,888)
7	n.a.	7	0 ( 0)	7	0 ( 0)
-----		-----		-----	
Total	6,385 ( 4,154)	Total	6,110 ( 5,000)	Total	4,140 ( 3,888)
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	29.8 (34.4)	1	26.4 (28.9)	1	29.5 (31.0)
7	n.a.	7	55.0 (55.0)	7	55.0 (55.0)
-----		-----		-----	
Total	n.a.	Total	n.a.	Total	n.a.

HIGHWAY AUTOMATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)

cc = 9

Automation Scenarios					
Baseline		Base Network Ramp Facilities*		Additional Ramp Facilities**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	443,573 (221,569)	1	291,318 (144,674)	1	277,373 (110,485)
7	n.a.	7	283,128 (129,223)	7	289,315 (170,642)
<b>Total</b>	443,573 (221,569)	<b>Total</b>	574,446 (273,897)	<b>Total</b>	566,689 (281,128)
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	21,464 ( 5,552)	1	12,196 ( 3,181)	1	10,294 ( 2,134)
7	n.a.	7	5,150 ( 2,331)	7	5,262 ( 3,104)
<b>Total</b>	21,464 ( 5,552)	<b>Total</b>	17,346 ( 5,532)	<b>Total</b>	15,957 ( 5,238)
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	13,395 ( 1,520)	1	6,897 ( 549)	1	5,649 ( 124)
7	n.a.	7	0 ( 0)	7	0 ( 0)
<b>Total</b>	13,395 ( 1,520)	<b>Total</b>	6,897 ( 549)	<b>Total</b>	5,649 ( 124)
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	20.7 (39.9)	1	23.9 (45.5)	1	25.9 (51.8)
7	n.a.	7	55.0 (55.0)	7	55.0 (55.0)
<b>Total</b>	n.a.	<b>Total</b>	n.a.	<b>Total</b>	n.a.

**HIGHWAY AUTOMATION**  
 2025 REGIONAL HIGHWAY NETWORK  
 (AM PEAK)

cc = 10

Baseline		Automation Scenarios			
		Base Network Ramp Facilities*		Additional Ramp Facilities**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	772,089 (564,691)	1	250,770 ( 232,119)	1	213,375 ( 179,634)
7	n.a. <b>772,089</b>	7	<b>1,100,690</b> ( 385,407)	7	<b>1,173,733</b> ( 452,784)
<b>Total</b>	(564,691)	<b>Total</b>	1,351,460 ( 617,527)	<b>Total</b>	<b>1,387,108</b> ( 632,419)
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	37,534 ( 14,751)	1	12,153 ( 8,957)	1	7,017 ( 5,051)
7	n.a.	7	20,001 ( 7,004)	7	21,328 ( 8,228)
<b>Total</b>	37,534 ( 14,751)	<b>Total</b>	32,154 ( 15,961)	<b>Total</b>	28,344 ( 13,279)
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	23,502 ( 4,490)	1	7,596 ( 8,957)	1	3,139 ( 1,787)
7	n.a.	7	0 ( 0)	7	0 ( 0)
<b>Total</b>	23,502 ( 4,490)	<b>Total</b>	7,596 ( 4,739)	<b>Total</b>	3,139 ( 1,787)
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	20.6 (38.3)	1	20.6 (25.9)	1	30.4 (35.6)
7	n.a.	7	55.0 (55.0)	7	55.0 (55.0)
<b>Total</b>	n.a.	<b>Total</b>	n.a.	<b>Total</b>	n.a.

**HIGHWAY AUTOMATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)**

cc= 11

Automation Scenarios					
Baseline		Base Network Ramp Facilities*		Additional Ramp Facilities**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	212,855 (192,640)	1	157,876 (150,146)	1	151,718 (127,186)
7	n.a.	7	139,001 (116,450)	7	140,445 (134,813)
Total	212,855 (192,640)	Total	296,877 (266,596)	Total	292,163 (261,999)
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	6,216 ( 5,153)	1	4,542 ( 4,684)	1	4,348 ( 3,851)
7	n.a.	7	2,525 ( 2,115)	7	2,552 ( 2,559)
Total	6,216 ( 5,153)	Total	7,068 ( 6,799)	Total	6,899 ( 6,300)
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	2,349 ( 1,654)	1	1,674 ( 1,957)	1	1,591 ( 1,541)
7	n.a.	7	0	7	0 ( 0)
Total	2,349 ( 1,654)	Total	1,674 ( 1,957)	Total	1,591 ( 1,541)
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	34.2 (37.4)	1	34.8 (32.1)	1	34.9 (33.0)
7	n.a.	7	55.0 (55.1)	7	55.0 (55.0)
Total	n.a.	Total	n.a.	Total	n.a.



**HIGHWAY AUTOMATION**  
**2025 REGIONAL HIGHWAY NETWORK**  
**(AM PEAK)**

cc = 12

Baseline		Automation Scenarios			
		Base Network Ramp Facilities*		Additional Ramp Facilities**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	384,634 (171,057)	1	193,349 (115,025)	1	173,877 ( 77,532)
7	n.a.	7	397,327 ( 89,711)	7	435,555 (122,009)
<b>Total</b>	<b>384,634</b> (171,057)	<b>Total</b>	<b>590,675</b> (204,736)	<b>Total</b>	<b>609,432</b> (199,5411)
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	21,014 ( 3,503)	1	8,751 ( 2,772)	1	6,629 ( 1,480)
7	n.a.	7	0 ( 0)	7	7,923 ( 2,219)
<b>Total</b>	<b>21,014</b> ( 3,503)	<b>Total</b>	<b>15,978</b> ( 4,403)	<b>Total</b>	<b>14,552</b> ( 69)
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	14,017 ( 391)	1	5,235 ( 679)	1	3,468 ( 69)
7	n.a.	7	0 ( 0)	7	0 ( 0)
<b>Total</b>	<b>14,017</b> ( 391)	<b>Total</b>	<b>5,235</b> ( 679)	<b>Total</b>	<b>3,468</b> ( 69)
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	1a.3 (48.8)	1	22.1 (41.5)	1	26.2 (52.4)
7	n.a.	7	55.0 (55.0)	7	55.0 (55.0)
<b>Total</b>	n.a.	<b>Total</b>	n.a.	<b>Total</b>	n.a.

**HIGHWAY AUTOMATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)**

cc = 13

Baseline		Automatic Scenarios			
		Base Network Ramp Facilities*		Additional Ramp Facilities**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	285,542 ( 90,110)	1	143,274 ( 57,647)	1	134,516 ( 43,115)
7	n.a.	7	191,573 ( 46,394)	7	198,222 ( 56,311)
<b>Total</b>	285,542 ( 90,110)	<b>Total</b>	334,847 (104,040)	<b>Total</b>	332,738 ( 99,426)
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	17,578 ( 1,669)	1	7,141 ( 1,137)	1	6,533 ( 800)
7	n.a.	7	3,485 ( 844)	7	3,605 ( 1,024)
<b>Total</b>	17,578 ( 1,669)	<b>Total</b>	10,626 ( 1,981)	<b>Total</b>	10,138 ( 1,824)
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	12,384 ( 30)	1	4,535 ( 88)	1	4,086 ( 16)
7	n.a.	7	0 ( 0)	7	0 ( 0)
<b>Total</b>	12,384 ( 30)	<b>Total</b>	4,535 ( 88)	<b>Total</b>	4,086 ( 16)
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	16.2 (54.0)	1	20.1 (50.7)	1	20.6 (53.9)
7	n.a.	7	55.0 (55.0)	7	55.0 (55.0)
<b>Total</b>	n.a.	<b>Total</b>	n.a.	<b>Total</b>	n.a.

**HIGHWAY AUTOMATION**  
**2025 REGIONAL HIGHWAY NETWORK**  
**(AM PEAK)**

CC = 14

Baseline		Automatic Scenarios			
		Base Network Ramp Facilities*		Additional Ramp Facilities**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	260,952 (125,602)	1	131,754 ( 70,538)	1	116,270 ( 51,316)
7	n.a.	7	258,206 ( 72,884)	7	270,813 ( 87,073)
<b>Total</b>	<b>260,952</b> (125,602)	<b>Total</b>	<b>389,960</b> (143,422)	<b>Total</b>	<b>387,083</b> (138,389)
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	14,348 ( 2,423)	1	8,429 ( 1,597)	1	6,535 ( 960)
7	n.a.	7	4,690 ( 1,324)	7	4,920 ( 1,582)
<b>Total</b>	<b>14,348</b> ( 2,423)	<b>Total</b>	<b>13,120</b> ( 2,921)	<b>Total</b>	<b>11,455</b> ( 2,542)
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	9,608 ( 141)	1	6,036 ( 315)	1	4,424 ( 28)
7	n.a.	7	0 ( 0)	7	0 ( 0)
<b>Total</b>	<b>9,608</b> ( 141)	<b>Total</b>	<b>6,036</b> ( 315)	<b>Total</b>	<b>4,424</b> ( 28)
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	1a.2 (51.8)	1	15.6 (44.2)	1	17.8 (53.5)
7	n.a.	7	55.0 (55.1)	7	55.0 (55.0)
<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>

**HIGHWAY AUTOMATION**  
 2025 REGIONAL HIGHWAY NETWORK  
 (AM PEAK)

cc = 15

Baseline		Automation Scenarios			
		Base Network Ramp Facilities*		Additional Ramp Facilities**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	288,226 (265,334)	1	200,797 (171,740)	1	173,957 (142,192)
7	n.a.	7	174,874 (176,625)	7	205,940 (199,217)
<b>Total</b>	<b>288,226</b> <b>(265,334)</b>	<b>Total</b>	<b>375,671</b> <b>(348,365)</b>	<b>Total</b>	<b>379,897</b> <b>(341,409)</b>
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	11,762 ( 7,966)	1	7,979 ( 4,542)	1	6,311 ( 3,061)
7	n.a.	7	3,181 ( 3,215)	7	3,746 ( 3,625)
<b>Total</b>	<b>11,762</b> <b>( 7,966)</b>	<b>Total</b>	<b>11,160</b> <b>( 7,757)</b>	<b>Total</b>	<b>10,057</b> <b>( 6,686)</b>
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	6,518 ( 3,137)	1	4,325 ( 1,416)	1	3,146 ( 472)
7	n.a.	7	0 ( 0)	7	0 ( 0)
<b>Total</b>	<b>6,518</b> <b>( 3,137)</b>	<b>Total</b>	<b>4,325</b> <b>( 1,416)</b>	<b>Total</b>	<b>3,146</b> <b>( 472)</b>
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	24.5 (33.3)	1	25.2 (37.8)	1	27.6 (46.5)
7	n.a.	7	55.0 (54.9)	7	55.0 (55.0)
<b>Total</b>	n.a.	<b>Total</b>	n.a.	<b>Total</b>	n.a.

HIGHWAY AUTOMATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)

CC = 16

Baseline		Automation Scenarios			
		Base Network Ramp Facilities*		Additional Ramp Facilities**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	914,497 (329,737)	1	379,495 ( 204,387)	1	322,249 ( 146,602)
7	n.a.	7	837,676 ( 141,757)	7	981,778 ( 197,989)
<b>Total</b>	<b>914,497</b> <b>(329,737)</b>	<b>Total</b>	<b>1,217,172</b> <b>( 346,145)</b>	<b>Total</b>	<b>1,304,027</b> <b>( 344,591)</b>
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	45,955 ( 6,262)	1	15,878 ( 4,338)	1	11,526 ( 2,838)
7	n.a.	7	15,234 ( 2,578)	7	17,856 ( 3,601)
<b>Total</b>	<b>45,955</b> <b>( 6,262)</b>	<b>Total</b>	<b>31,112</b> <b>( 6,916)</b>	<b>Total</b>	<b>29,382</b> <b>( 6,439)</b>
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	29,323 ( 265)	1	8,976 ( 621)	1	5,665 ( 172)
7	n.a.	7	0 ( 0)	7	0 ( 0)
<b>Total</b>	<b>29,323</b> <b>( 265)</b>	<b>Total</b>	<b>8,976</b> <b>( 621)</b>	<b>Total</b>	<b>5,665</b> <b>( 172)</b>
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	19.9 (52.7)	1	23.9 (47.1)	1	28.0 (51.7)
7	n.a.	7	55.0 (55.0)	7	55.0 (55.0)
<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>

**HIGHWAY AUTOMATION**  
**2025 REGIONAL HIGHWAY NETWORK**  
**(AM PEAK)**

cc = 17

Baseline		Automation Scenarios			
		Base Network Ramp Facilities*		Additional Ramp Facilities**	
<b><u>FT</u></b>	<b><u>VMT</u></b>	<b><u>FT</u></b>	<b><u>VMT</u></b>	<b><u>FT</u></b>	<b><u>VMT</u></b>
1	306,764 (158,223)	1	166,713 (108,295)	1	146,969 ( 77,945)
7	n.a.	7	279,574 ( 77,710)	7	289,504 (105,416)
<b>Total</b>	<b>306,764</b> (158,223)	<b>Total</b>	<b>446,286</b> (186,006)	<b>Total</b>	<b>436,472</b> (183,361)
<b><u>FT</u></b>	<b><u>VHT</u></b>	<b><u>FT</u></b>	<b><u>VHT</u></b>	<b><u>FT</u></b>	<b><u>VHT</u></b>
1	13,976 ( 3,207)	1	6,418 ( 2,450)	1	4,670 ( 1,505)
7	n.a.	7	5,084 ( 1,413)	7	5,265 ( 1,917)
<b>Total</b>	<b>13,976</b> ( 3,207)	<b>Total</b>	<b>11,502</b> ( 3,863)	<b>Total</b>	<b>9,935</b> ( 3,423)
<b><u>FT</u></b>	<b><u>VHD</u></b>	<b><u>FT</u></b>	<b><u>VHD</u></b>	<b><u>FT</u></b>	<b><u>VHD</u></b>
1	8,396 ( 330)	1	3,385 ( 480)	1	1,997 ( 88)
7	n.a.	7	0 ( 0)	7	0 ( 0)
<b>Total</b>	<b>8,396</b> ( 330)	<b>Total</b>	<b>3,385</b> ( 480)	<b>Total</b>	<b>1,997</b> ( 88)
<b><u>FT</u></b>	<b><u>SPEED</u></b>	<b><u>FT</u></b>	<b><u>SPEED</u></b>	<b><u>FT</u></b>	<b><u>SPEED</u></b>
1	21.9	1	26.0 (44.2)	1	31.5 (51.8)
7	n.a.	7	55.0 (55.0)	7	55.0 (55.0)
<b>Total</b>	n.a.	<b>Total</b>	n.a.	<b>Total</b>	n.a.

**HIGHWAY AUTOMATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)**

CC = 18

Baseline		Automatic Scenarios			
		Base Network Ramp Facilities*		Additional Ramp Facilities**	
<b><u>FT</u></b>	<b><u>VMT</u></b>	<b><u>FT</u></b>	<b><u>VMT</u></b>	<b><u>FT</u></b>	<b><u>VMT</u></b>
1	456,947 (340,825)	1	333,454 (259,596)	1	302,632 (223,436)
7	n.a.	7	268,608 (209,472)	7	275,985 (234,274)
Total	456,947 (340,825)	Total	602,062 (469,068)	Total	578,617 (457,710)
<b><u>FT</u></b>	<b><u>VHT</u></b>	<b><u>FT</u></b>	<b><u>VHT</u></b>	<b><u>FT</u></b>	<b><u>VHT</u></b>
1	14,083 ( 8,420)	1	9,932 ( 6,606)	1	8,697 ( 5,322)
7	n.a.	7	4,886 ( 3,811)	7	5,020 ( 4,262)
Total	14,083 ( 8,420)	Total	14,818 ( 10,417)	Total	13,717 ( 9,584)
<b><u>FT</u></b>	<b><u>VHD</u></b>	<b><u>FT</u></b>	<b><u>VHD</u></b>	<b><u>FT</u></b>	<b><u>VHD</u></b>
1	5,772 ( 2,220)	1	3,867 ( 1,884)	1	3,193 ( 1,258)
7	n.a.	7	0 ( 0)	7	0
Total	5,772 ( 2,220)	Total	3,867 ( 1,884)	Total	3,193 ( 1,258)
<b><u>FT</u></b>	<b><u>SPEED</u></b>	<b><u>FT</u></b>	<b><u>SPEED</u></b>	<b><u>FT</u></b>	<b><u>SPEED</u></b>
1	32.4 (40.5)	1	33.6 (39.3)	1	34.8 (42.0)
7	n.a.	7	55.0 (55.0)	7	55.0 (55.0)
Total	n.a.	Total	n.a.	Total	n.a.

HIGHWAY AUTOMATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)

cc = 19

Baseline		Automation Scenarios			
		Base Network Ramp Facilities*		Additional Ramp Facilities**	
<b><u>FT</u></b>	<b><u>VMT</u></b>	<b><u>FT</u></b>	<b><u>VMT</u></b>	<b><u>FT</u></b>	<b><u>VMT</u></b>
1	102,640 ( 66,873)	1	70,581 ( 39,600)	1	68,711 ( 35,417)
7	n.a.	7	57,040 ( 31,648)	7	63,156 ( 37,375)
<b>Total</b>	<b>102,640</b> ( 66,873)	<b>Total</b>	<b>127,621</b> ( 71,248)	<b>Total</b>	<b>131,867</b> ( 72,792)
<b><u>FT</u></b>	<b><u>VHT</u></b>	<b><u>FT</u></b>	<b><u>VHT</u></b>	<b><u>FT</u></b>	<b><u>VHT</u></b>
1	3,448 ( 1,472)	1	2,038 ( 788)	1	2,207 ( 685)
7	n.a.	7	1,036 ( 575)	7	1,147 ( 679)
<b>Total</b>	<b>3,448</b> ( 1,472)	<b>Total</b>	<b>3,074</b> ( 1,363)	<b>Total</b>	<b>3,354</b> ( 1,364)
<b><u>FT</u></b>	<b><u>VHD</u></b>	<b><u>FT</u></b>	<b><u>VHD</u></b>	<b><u>FT</u></b>	<b><u>VHD</u></b>
1	1,585 ( 257)	1	757 ( 69)	1	960 ( 42)
7	n.a.	7	0 ( 0)	7	0 ( 0)
<b>Total</b>	<b>1,585</b> ( 257)	<b>Total</b>	<b>757</b> ( 69)	<b>Total</b>	<b>960</b> ( 42)
<b><u>FT</u></b>	<b><u>SPEED</u></b>	<b><u>FT</u></b>	<b><u>SPEED</u></b>	<b><u>FT</u></b>	<b><u>SPEED</u></b>
1	28.8 (45.4)	1	34.6 (50.2)	1	31.1 (51.7)
7	n.a.	7	55.1 (55.0)	7	55.0 (55.1)
<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>



**HIGHWAY AUTOMATION**  
**2025 REGIONAL HIGHWAY NETWORK**  
**(AM PEAK)**

CC = 20

Baseline		Automation Scenarios			
		Base Network Ramp Facilities*		Additional Ramp Facilities**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	334,006 (143,902)	1	221,014 ( 92,018)	1	205,745 ( 76,662)
7	n.a.	7	269,411 ( 73,045)	7	261,220 ( 88,001)
Total	334,006 (143,902)	Total	490,425 (165,063)	Total	466,965 (164,663)
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	11,354 ( 2,812)	1	7,032 ( 1,746)	1	6,233 ( 1,414)
7	n.a.	7	4,895 ( 1,327)	7	4,746 ( 1,599)
Total	11,354 ( 2,812)	Total	11,926 ( 3,073)	Total	10,978 ( 3,012)
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	5,285 ( 197)	1	3,016 ( 74)	1	2,494 ( 21)
7	n.a.	7	0 ( 0)	7	0 ( 0)
Total	5,285 ( 197)	Total	3,016 ( 74)	Total	2,494 ( 21)
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	29.4 (51.2)	1	31.4 (52.7)	1	33.0 (54.2)
7	n.a.	7	55.0 (55.0)	7	55.0 (55.0)
Total	n.a.	Total	n.a.	Total	n.a.

**HIGHWAY AUTOMATION**  
**2025 REGIONAL HIGHWAY NETWORK**  
**(AM PEAK)**

CC = 21

<b>Automation Scenarios</b>					
<b>Baseline</b>		<b>Base Network Ramp Facilities*</b>		<b>Additional Ramp Facilities**</b>	
<b><u>FT</u></b>	<b><u>VMT</u></b>	<b><u>FT</u></b>	<b><u>VMT</u></b>	<b><u>FT</u></b>	<b><u>VMT</u></b>
1	131,265 (118,353)	1	65,983 ( 66,659)	1	58,367 ( 58,165)
7	n.a.	7	104,648 ( 67,347)	7	111,037 ( 75,570)
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<b>Total</b>	131,265 (118,353)	<b>Total</b>	170,630 (134,007)	<b>Total</b>	169,404 (133,734)
<b><u>FT</u></b>	<b><u>VHT</u></b>	<b><u>FT</u></b>	<b><u>VHT</u></b>	<b><u>FT</u></b>	<b><u>VHT</u></b>
1	2,894 ( 2,391)	1	1,480 ( 1,508)	1	1,228 ( 1,198)
7	n.a.	7	1,902 ( 1,224)	7	2,019 ( 1,374)
-----		-----		-----	
<b>Total</b>	2,894 ( 2,391)	<b>Total</b>	3,382 ( 2,732)	<b>Total</b>	3,246 ( 2,572)
<b><u>FT</u></b>	<b><u>VHD</u></b>	<b><u>FT</u></b>	<b><u>VHD</u></b>	<b><u>FT</u></b>	<b><u>VHD</u></b>
1	508 ( 239)	1	281 ( 296)	1	167 ( 140)
7	n.a.	7	0 ( 0)	7	0 ( 0)
-----		-----		-----	
<b>Total</b>	508 ( 239)	<b>Total</b>	281 ( 296)	<b>Total</b>	167 ( 140)
<b><u>FT</u></b>	<b><u>SPEED</u></b>	<b><u>FT</u></b>	<b><u>SPEED</u></b>	<b><u>FT</u></b>	<b><u>SPEED</u></b>
1	45.4 (49.5)	1	44.6 (44.2)	1	47.5 (48.6)
7	n.a.	7	55.0 (55.0)	7	55.0 (55.0)
-----		-----		-----	
<b>Total</b>	n.a.	<b>Total</b>	n.a.	<b>Total</b>	n.a.

**HIGHWAY AUTOMATION**  
**2025 REGIONAL HIGHWAY NETWORK**  
**(AM PEAK)**

CC = 22

Automation Scenarios					
Haaeline		Base Network Ramp Facilities*		Additional Ramp Facilities**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	382,976 (235,553)	1	185,128 (141,250)	1	166,598 ( 96,527)
7	n.a.	7	410,726 (204,643)	7	429,382 (254,847)
Total		Total		Total	
	382,976 (235,553)		595,854 (345,893)		595,980 (351,375)
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	22,512 ( 7,523)	1	9,560 ( 6,110)	1	6,810 ( 2,709)
7	n.a.	7	7,455 ( 3,714)	7	7,793 ( 4,625)
Total		Total		Total	
	22,512 ( 7,523)		17,015 ( 9,824)		14,603 ( 7,335)
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	15,561 ( 3,248)	1	6,200 ( 3,546)	1	3,786 ( 957)
7	n.a.	7	0 ( 0)	7	0 ( 0)
Total		Total		Total	
	15,561 ( 3,248)		6,200 ( 3,546)		3,786 ( 957)
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	17.0 (31.3)	1	19.4 (23.1)	1	24.5 (35.6)
7	n.a.	7	55.1 (55.1)	7	55.1 (55.1)
Total		Total		Total	
	n.a.		n.a.		n.a.

**HIGHWAY AUTOMATION**  
**2025 REGIONAL HIGHWAY NETWORK**  
**(AM PEAK)**

CC = 23

Baseline		Automator Scenarios			
		Base Network Ramp Facilities*		Additional Ramp Facilities**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	384,328 (115,863)	1	185,076 ( 63,274)	1	162,357 ( 35,779)
7	n.a.	7	434,306 ( 43,161)	7	420,275 ( 67,573)
-----		-----		-----	
<b>Total</b>	384,328 (115,863)	<b>Total</b>	619,382 (106,435)	<b>Total</b>	582,632 (103,352)
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	27,093 ( 2,165)	1	16,502 ( 1,461)	1	13,129 ( 655)
7	n.a.	7	7,895 ( 785)	7	7,639 ( 1,228)
-----		-----		-----	
<b>Total</b>	27,093 ( 2,165)	<b>Total</b>	24,396 ( 2,245)	<b>Total</b>	20,768 ( 1,883)
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	20,108 ( 59)	1	13,138 ( 311)	1	10,178 ( 4)
7	n.a.	7	0 ( 0)	7	0 ( 0)
-----		-----		-----	
<b>Total</b>	20,108 ( 59)	<b>Total</b>	13,138 ( 311)	<b>Total</b>	10,178 ( 4)
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	14.2 (53.5)	1	11.2 (43.3)	1	12.4 (54.6)
7	n.a.	7	55.0 (55.0)	7	55.0 (55.0)
-----		-----		-----	
<b>Total</b>	n.a.	<b>Total</b>	n.a.	<b>Total</b>	n.a.

**HIGHWAY AUTOMATION**  
**2025 REGIONAL HIGHWAY NETWORK**  
**(AM PEAK)**

CC = 24

Baseline		Automation Scenarios			
		Base Network Ramp Facilities*		Additional Ramp Facilities**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	484,549 (227,082)	1	316,175 (148,184)	1	293,997 ( 98,438)
7	n.a.	7	250,200 (111,856)	7	254,764 (164,125)
<b>Total</b>	<b>484,549</b> (227,082)	<b>Total</b>	<b>566,376</b> (260,040)	<b>Total</b>	<b>548,761</b> (262,563)
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	26,522 ( 4,614)	1	11,102 ( 3,011)	1	9,517 ( 1,828)
7	n.a.	7	4,548 ( 2,033)	7	4,631 ( 2,984)
<b>Total</b>	<b>26,522</b> ( 4,614)	<b>Total</b>	<b>15,650</b> ( 5,045)	<b>Total</b>	<b>14,149</b> ( 4,811)
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	17,714 ( 485)	1	5,354 ( 317)	1	4,173 ( 38)
7	n.a.	7	0 ( 0)	7	0 ( 0)
<b>Total</b>	<b>17,714</b> ( 485)	<b>Total</b>	<b>5,354</b> ( 417)	<b>Total</b>	<b>4,173</b> ( 38)
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	18.5 (49.2)	1	28.5 (49.2)	1	30.9 (53.9)
7	n.a.	7	55.0 (55.0)	7	55.0 (55.0)
<b>Total</b>	n.a.	<b>Total</b>	n.a.	<b>Total</b>	n.a.

HIGHWAY AUTOMATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)

CC = 25

Baseline		Automation Scenarios			
		Base Network Ramp Facilities*		Additional Ramp Facilities**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	212,263 (108,718)	1	99,684 ( 60,356)	1	84,205 ( 47,745)
7	n.a.	7	175,427 ( 57,245)	7	194,713 ( 70,040)
<b>Total</b>	212,263 1108.7181	<b>Total</b>	275,111 (117,602)	<b>Total</b>	278,919 (117,784)
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	9,434 ( 2,184)	1	3,020 ( 1,235)	1	2,112 ( 908)
7	n.a.	7	3,191 ( 1,041)	7	3,542 ( 1,274)
<b>Total</b>	9,434 ( 2,184)	<b>Total</b>	6,211 ( 2,276)	<b>Total</b>	5,655 ( 2,182)
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	5,572 ( 206)	1	1,206 ( 137)	1	580 ( 40)
7	n.a.	7	0 ( 0)	7	0 ( 0)
<b>Total</b>	5,572 ( 206)	<b>Total</b>	1,206 ( 137)	<b>Total</b>	580 ( 40)
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	22.5 (49.8)	1	33.0 (48.9)	1	39.9 (52.6)
7	n.a.	7	55.0 (55.0)	7	55.0 (55.0)
<b>Total</b>	n.a.	<b>Total</b>	n.a.	<b>Total</b>	n.a.

**HIGHWAY ADTOXATION**  
 2025 REGIONAL HIGHWAY NETWORK  
 (AM PEAK)

CC = 26

Baseline		Automation Scenarios			
		Base Network Ramp Facilities*		Additional Ramp Facilities**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	149,738 (103,579)	1	106,378 ( 79,764)	1	87,186 ( 54,400)
7	n.a.	7	72,785 ( 36,591)	7	103,837 ( 63,079)
<b>Total</b>	<b>149,738</b> <b>(103,579)</b>	<b>Total</b>	<b>179,163</b> <b>(116,356)</b>	<b>Total</b>	<b>191,023</b> <b>(117,479)</b>
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	4,867 ( 2,378)	1	3,176 ( 1,969)	1	2,064 ( 1,071)
7	n.a.	7	1,324 ( 666)	7	1,889 ( 1,147)
<b>Total</b>	<b>4,867</b> <b>( 2,378)</b>	<b>Total</b>	<b>4,500</b> <b>( 2,635)</b>	<b>Total</b>	<b>3,952</b> <b>( 2,218)</b>
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	2,144 ( 493)	1	1,241 ( 519)	1	478 ( 81)
7	n.a.	7	0 ( 0)	7	0 ( 0)
<b>Total</b>	<b>3,144</b> <b>( 493)</b>	<b>Total</b>	<b>1,241</b> <b>( 519)</b>	<b>Total</b>	<b>478</b> <b>( 81)</b>
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	30.8 (43.6)	1	33.5 (40.5)	1	42.2 (50.8)
7	n.a.	7	55.0 (55.0)	7	55.0 (55.0)
<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>

**HIGHWAY AUTOMATION**  
**2025 REGIONAL HIGHWAY NETWORK**  
**(AM PEAK)**

CC = 27

Baseline		Automation Scenarios			
		Base Network Ramp Facilities*		Additional Ramp Facilities**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	227,121 (155,947)	1	172,476 (108,134)	1	165,290 ( 91,338)
7	n.a.	7	148,320 ( 75,207)	7	148,685 ( 92,487)
-----		-----		-----	
<b>Total</b>	227,121 (155,947)	<b>Total</b>	320,796 (183,341)	<b>Total</b>	313,975 (183,824)
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	10,240 ( 3,815)	1	8,309 ( 2,435)	1	7,618 ( 1,868)
7	n.a.	7	2,698 ( 1,368)	7	2,705 ( 1,682)
-----		-----		-----	
<b>Total</b>	10,240 ( 3,815)	<b>Total</b>	11,007 ( 3,803)	<b>Total</b>	10,323 ( 3,550)
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	6,108 ( 977)	1	5,172 ( 467)	1	4,611 ( 206)
7	n.a.	7	0 ( 0)	7	0 ( 0)
-----		-----		-----	
<b>Total</b>	6,108 ( 977)	<b>Total</b>	5,172 ( 467)	<b>Total</b>	4,611 ( 206)
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	22.2 (40.9)	1	20.8 (44.4)	1	21.7 (48.9)
7	n.a.	7	55.0 (55.0)	7	55.0 (55.0)
-----		-----		-----	
<b>Total</b>	n.a.	<b>Total</b>	n.a.	<b>Total</b>	n.a.



HIGHWAY AUTOMATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)

CC = 28

Baseline		Automation Scenarios			
		Base Network Ramp Facilities*		Additional Ramp Facilities**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	371,286 (112,855)	1	173,957 ( 66,028)	1	164,000 ( 55,385)
7	n.a.	7	260,442 ( 50,080)	7	262,628 ( 58,648)
Total	371,286 (112,855)	Total	434,398 (116,109)	Total	426,628 (114,033)
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	16,680 ( 2,083)	1	4,639 ( 1,219)	1	4,051 ( 1,015)
7	n.a.	7	4,738 ( 911)	7	4,778 ( 1,067)
Total	16,680 ( 2,083)	Total	9,377 ( 2,130)	Total	8,829 ( 2,082)
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	9,925 ( 31)	1	1,474 ( 18)	1	1,067 ( 8)
7	n.a.	7	0 ( 0)	7	0 ( 0)
Total	9,925 ( 31)	Total	1,474 ( 18)	Total	1,067 ( 8)
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	22.3 (54.2)	1	37.5 (54.2)	1	40.5 (54.6)
7	n.a.	7	55.0 (55.0)	7	55.0 (55.0)
Total	n.a.	Total	n.a.	Total	n.a.

HIGHWAY AUTOMATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)

cc = 29

Automator Scenario8					
Baseline		Base Network Ramp Facilities*		Additional Ramp Facilities**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	192,863 (146,364)	1	138,343 ( 98,363)	1	123,237 ( 76,400)
7	n.a.	7	153,973 ( 79,760)	7	164,599 (106,184)
<b>Total</b>	192,863 (146,364)	<b>Total</b>	292,316 (178,123)	<b>Total</b>	287,836 (182,584)
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	5,482 ( 3,401)	1	3,906 ( 2,212)	1	3,331 ( 1,489)
7	n.a.	7	2,798 ( 1,449)	7	2,991 ( 1,929)
<b>Total</b>	5,482 ( 3,401)	<b>Total</b>	6,704 (223,661)	<b>Total</b>	6,321 ( 3,418)
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	1,978 ( 742)	1	1,392 ( 425)	1	1,091 ( 101)
7	n.a.	7	0 ( 0)	7	0 ( 0)
<b>Total</b>	1,978 ( 742)	<b>Total</b>	1,392 ( 425)	<b>Total</b>	1,091 ( 101)
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	35.2 (43.0)	1	35.4 (44.5)	1	37.0 (51.3)
7	n.a.	7	55.0 (55.0)	7	55.0 (55.0)
<b>Total</b>	n.a.	<b>Total</b>	n.a.	<b>Total</b>	n.a.

HIGHWAY AUTOMATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)

cc = 30

Automation Scenario8					
Baseline		Base Network Ramp Facilities*		Additional Ramp Facilities**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	144,054 (108,801)	1	107,693 ( 84,100)	1	93,116 ( 55,868)
7	n.a.	7	74,375 ( 51,171)	7	99,306 ( 80,749)
Total	144,054 (108,801)	Total	182,068 (135,271)	Total	192,422 (136,617)
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	3,829 ( 2,349)	1	2,824 ( 1,985)	1	2,150 ( 1,050)
7	n.a.	7	1,352 ( 930)	7	1,804 ( 1,467)
Total	3,829 ( 2,349)	Total	4,176 ( 2,914)	Total	3,954 ( 2,517)
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	1,213 ( 373)	1	868 ( 458)	1	459 ( 36)
7	n.a.	7	0 ( 0)	7	0 ( 0)
Total	1,213 ( 373)	Total	868 ( 458)	Total	459 ( 36)
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	37.6 (46.3)	1	38.1 (42.4)	1	43.3 (53.2)
7	n.a.	7	55.0 (55.0)	7	55.0 (55.1)
Total	n.a.	Total	n.a.	Total	n.a.

## **APPENDIX Q**

# **2025 HIGHWAY AUTOMATION NETWORK AM PEAK MOBILITY STATISTICS BY RSA, COUNTY AND SYSTEM**

HIGHWAY AUTOMATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)

RSA = 1

Baseline		Automatic Scenarios			
		Base Network Ramp Facilities*		Additional Ramp Facilities**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	n.a.	1	n.a.	1	n.a.
3	10,645	3	11,848	3	11,848
4	n.a.	4	n.a.	4	n.a.
5	n.a.	5	n.a.	5	n.a.
7	n.a.	7	n.a.	7	n.a.
<b>Total</b>	<b>11,004</b>	<b>Total</b>	<b>12,256</b>	<b>Total</b>	<b>12,256</b>
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	n.a.	1	n.a.	1	n.a.
3	213	3	237	3	237
4	n.a.	4	n.a.	4	n.a.
5	n.a.	5	n.a.	5	n.a.
7	n.a.	7	n.a.	7	n.a.
<b>Total</b>	<b>222</b>	<b>Total</b>	<b>247</b>	<b>Total</b>	<b>247</b>
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	n.a.	1	n.a.	1	n.a.
3	0	3	0	3	0
4	n.a.	4	n.a.	4	n.a.
5	n.a.	5	n.a.	5	n.a.
7	n.a.	7	n.a.	7	n.a.
<b>Total</b>	<b>0</b>	<b>Total</b>	<b>0</b>	<b>Total</b>	<b>0</b>
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	n.a.	1	n.a.	3	n.a.
3	49.98	3	49.99	4	49.99
4	n.a.	4	n.a.		n.a.
5	n.a.	5	n.a.	5	n.a.
7	n.a.	7	n.a.	7	n.a.
<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>

HIGHWAY AUTOMATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)

RSA = 2

Baseline		Automation Scenarios			
		Base Network Ramp Facilities+		Additional Ramp Facilities**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	243,159	1		1	
3	151,350	3	239,959 148,203	3	239,650 148,284
4	55,301	4	53,179	4	53,174
5	7,958	5	7,867	5	7,862
7	n.a.	7	n.a.	7	n.a.
<b>Total</b>	<b>458,906</b>	<b>Total</b>	<b>450,331</b>	<b>Total</b>	<b>450,093</b>
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	4,539	1	4,481	1	4,475
3	4,886	3	4,789	3	4,791
4	2,004	4	1,982	4	1,983
5	398	5	393	5	393
7	n.a.	7	n.a.	7	n.a.
<b>Total</b>	<b>11,847</b>	<b>Total</b>	<b>11,666</b>	<b>Total</b>	<b>11,661</b>
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	119	1	120	1	119
3	203	3	225	3	226
4	162	4	175	4	175
5	0	5	0	5	0
7	n.a.	7	n.a.	7	n.a.
<b>Total</b>	<b>485</b>	<b>Total</b>	<b>520</b>	<b>Total</b>	<b>520</b>
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	53.57	1	53.55	1	53.55
3	30.98	3	30.95	3	30.95
4	27.60	4	26.83	4	26.81
5	19.99	5	20.02	5	20.01
7	n.a.	7	n.a.	7	n.a.
<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>

**HIGHWAY AUTOMATION**  
**2025 REGIONAL HIGHWAY NETWORK**  
**(AM PEAK)**

RSA = 3

<b>Baseline</b>		<b>Automation Scenarios</b>			
		<b>Base Network Ramp Facilities*</b>		<b>Additional Ramp Facilities**</b>	
<u><b>FT</b></u>	<u><b>VMT</b></u>	<u><b>FT</b></u>	<u><b>VMT</b></u>	<u><b>FT</b></u>	<u><b>VMT</b></u>
1	372,742	1	317,081	1	311,675
3	304,748	3	285,204	3	285,390
4	29,089	4	28,861	4	29,451
5	7,503	5	7,491	5	7,568
7	n.a.	7	62,260	7	65,949
<b>Total</b>	715,574	<b>Total</b>	702,388	<b>Total</b>	701,525
<u><b>FT</b></u>	<u><b>VHT</b></u>	<u><b>FT</b></u>	<u><b>VHT</b></u>	<u><b>FT</b></u>	<u><b>VHT</b></u>
1	7,328	1	6,341	1	6,168
3	11,833	3	11,228	3	11,233
4	1,067	4	1,057	4	1,079
5	375	5	375	5	378
7	n.a.	7	1,134	7	1,201
<b>Total</b>	20,628	<b>Total</b>	20,159	<b>Total</b>	20,085
<u><b>FT</b></u>	<u><b>VHD</b></u>	<u><b>FT</b></u>	<u><b>VHD</b></u>	<u><b>FT</b></u>	<u><b>VHD</b></u>
1	549	1	575	1	501
3	1,675	3	1,721	3	1,720
4	27	4	26	4	27
5	0	5	0	5	0
7	n.a.	7	0	7	0
<b>Total</b>	2,251	<b>Total</b>	2,322	<b>Total</b>	2,248
<u><b>FT</b></u>	<u><b>SPEED</b></u>	<u><b>FT</b></u>	<u><b>SPEED</b></u>	<u><b>FT</b></u>	<u><b>SPEED</b></u>
1	50.87	1	50.00	1	50.53
3	25.75	3	25.40	3	25.41
4	27.76	4	27.30	4	27.29
5	20.00	5	19.98	5	7.01
7	n.a.	7	54.90	7	54.91
<b>Total</b>	n.a.	<b>Total</b>	n.a.	<b>Total</b>	n.a.

**HIGHWAY AUTOMATION**  
**2025 REGIONAL HIGHWAY NETWORK**  
**(AM PEAK)**

RSA = 4

Baseline		Automation Scenarios			
		Base Network Ramp Facilities*		Additional Ramp Facilities**	
<b><u>FT</u></b>	<b><u>VMT</u></b>	<b><u>FT</u></b>	<b><u>VMT</u></b>	<b><u>FT</u></b>	<b><u>VMT</u></b>
1	267,184	1	187,367	1	188,045
3	118,272	3	86,046	3	85,829
4	4,940	4	4,520	4	4,501
5	5,075	5	4,768	5	4,780
7	n.a.	7	n.a.	7	n.a.
Total		Total		Total	
396,019		283,251		283,704	
<b><u>FT</u></b>	<b><u>VHT</u></b>	<b><u>FT</u></b>	<b><u>VHT</u></b>	<b><u>FT</u></b>	<b><u>VHT</u></b>
1	6,454	3	3,195 3,743	1	
3	4,418	4	163	3	3,768 3,196
4	178	5	238	4	162
5	254	7	n.a.	5	239
7	n.a.			7	n.a.
Total		Total		Total	
11,312		7,348		7,375	
<b><u>FT</u></b>	<b><u>VHD</u></b>	<b><u>FT</u></b>	<b><u>VHD</u></b>	<b><u>FT</u></b>	<b><u>VHD</u></b>
1	1,596	1	336	1	350
3	475	3	326	3	335
4	2	4	2	4	2
5	0	5	0	5	0
7	n.a.	7	n.a.	7	n.a.
Total		Total		Total	
2,073		664		686	
<b><u>FT</u></b>	<b><u>SPEED</u></b>	<b><u>FT</u></b>	<b><u>SPEED</u></b>	<b><u>FT</u></b>	<b><u>SPEED</u></b>
1	41.40	1	50.06	1	49.91
3	26.77	3	26.93	3	26.86
4	27.75	4	27.73	4	27.78
5	19.98	5	20.03	5	20.00
7	n.a.	7	n.a.	7	n.a.
Total		Total		Total	
n.a.		n.a.		n.a.	



**HIGHWAY AUTOMATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)**

RSA = 5

Baseline		Automation Scenarios			
		Base Network Ramp Facilities*		Additional Ramp Facilities**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	266,746	1	159,702	1	143,324
3	135,020	3	129,326	3	130,639
4	37,124	4	37,330	4	36,892
5	9,001	5	9,556	5	9,260
7	n.a.	7	153,968	7	168,566
<b>Total</b>	<b>448,900</b>	<b>Total</b>	<b>490,890</b>	<b>Total</b>	<b>489,689</b>
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	5,635	1	3,405	1	2,889
3	49,453	3	49,297	3	49,354
4	2,358	4	2,779	4	2,629
5	450	5	479	5	464
7	n.a.	7	2,798	7	3,064
<b>Total</b>	<b>57,912</b>	<b>Total</b>	<b>58,776</b>	<b>Total</b>	<b>58,417</b>
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
3	44,952 787	1	503	1	284
4	1,032	3	44,986	3	45,000
5	0	4	1,446	4	1,311
7	n.a.	5	1	5	1
		7	0	7	0
<b>Total</b>	<b>46,771</b>	<b>Total</b>	<b>46,936</b>	<b>Total</b>	<b>46,596</b>
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	47.34	1	46.90	1	49.91
3	2.73	3	2.62	3	2.65
4	15.74	4	13.43	4	14.03
5	20.00	5	19.95	5	19.96
7	n.a.	7	55.03	7	55.02
<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>

HIGHWAY AUTOMATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)

RSA = 6

Automation Scenario6					
Baseline		Base Network Ramp Facilities*		Additional Ramp Facilities**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	50,925	1	46,297	1	46,076
3	15,488	3	14,740	3	14,681
4	8,260	4	6,609	4	6,538
5	0	5	0	5	0
7	n.a.	7	n.a.	7	n.a.
Total		Total		Total	
	74,730		67,703		67,352
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	926	1	842	1	838
3	313	3	297	3	296
4	166	4	132	4	131
5	0	5	0	5	0
7	n.a.	7	n.a.	7	n.a.
Total		Total		Total	
	1,406		1,272		1,266
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	1	1	1	1	1
3	0	3	0	3	0
4	0	4	0	4	0
5	0	5	0	5	0
7	n.a.	7	n.a.	7	n.a.
Total		Total		Total	
	2		1		1
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	54.99	1	54.98	1	54.98
3	49.48	3	49.63	3	49.60
4	49.76	4	50.07	4	49.91
5	0	5	0	5	0
7	n.a.	7	n.a.	7	n.a.
Total		Total		Total	
	n.a.		n.a.		n.a.

HIGHWAY AUTOMATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)

RSA = 7

Baseline		Automation Scenarios			
		Base Network Ramp Facilities*		Additional Ramp Facilities**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	225,139	1	130,898	1	98,484
3	97,153	3	56,921	3	52,575
4	194	4	10	4	222
5	3,350	5	3,654	5	3,651
7	n.a.	7	188,976	7	217,182
<b>Total</b>	<b>326,066</b>	<b>Total</b>	<b>380,690</b>	<b>Total</b>	<b>372,344</b>
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	7,116	1	3,658	1	2,179
3	4,706	3	3,937	3	3,874
4	7	4	0	4	8
5	178	5	220	5	187
7	n.a.	7	3,436	7	3,949
<b>Total</b>	<b>12,011</b>	<b>Total</b>	<b>11,255</b>	<b>Total</b>	<b>10,202</b>
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	3,022	1	1,278	1	388
3	1,467	3	2,039	3	2,122
4	0	4	0	4	0
5	11	5	37	5	5
7	n.a.	7	0	7	0
<b>Total</b>	<b>4,501</b>	<b>Total</b>	<b>3,355</b>	<b>Total</b>	<b>2,515</b>
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	31.64	<b>1</b>		1	45.20
3	20.64	<b>3</b>	35.78 14.46	3	13.57
4	27.71	4	0	4	27.75
5	18.82	5	16.61	5	19.52
7	n.a.	7	55.00	7	55.00
<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>

**HIGHWAY AUTOMATION**  
**2025 REGIONAL HIGHWAY NETWORK**  
**(AM PEAK)**

RSA = 8

<b>Automation Scenario5</b>					
<b>Baseline</b>		<b>Base Network Ramp Facilities*</b>		<b>Additional Ramp Facilities**</b>	
<b><u>FT</u></b>	<b><u>VMT</u></b>	<b><u>FT</u></b>	<b><u>VMT</u></b>	<b><u>FT</u></b>	<b><u>VMT</u></b>
1	516,545	1	279,734	3	251,936 370,849
3	n.a.	3	369,875	4	n.a.
4	396 n.a.	4	n.a.	5	11,570
5	7,321	5	8,592	7	218,553
7	n.a.	7	198,060		
<b>Total</b>		<b>Total</b>	<b>857,167</b>	<b>Total</b>	<b>858,813</b>
<b><u>FT</u></b>	<b><u>VHT</u></b>	<b><u>FT</u></b>	<b><u>VHT</u></b>	<b><u>FT</u></b>	<b><u>VHT</u></b>
1	25,725	1	15,943	1	12,004
3	37,887	3	39,438	3	40,942
4	n.a.	4	n.a.	4	n.a.
5	368	5	430	5	578
7	n.a.	7	3,600	7	3,973
<b>Total</b>		<b>Total</b>	<b>59,426</b>	<b>Total</b>	<b>57,512</b>
<b><u>FT</u></b>	<b><u>VHD</u></b>	<b><u>FT</u></b>	<b><u>VHD</u></b>	<b><u>FT</u></b>	<b><u>VHD</u></b>
1	16,332	1	10,856	1	7,422
3	26,135	3	28,492	3	29,973
4	n.a.	4	n.a.	4	n.a.
5	1	5	0	5	0
7	n.a.	7	0	7	0
<b>Total</b>		<b>Total</b>	<b>39,348</b>	<b>Total</b>	<b>37,394</b>
<b><u>FT</u></b>	<b><u>SPEED</u></b>	<b><u>FT</u></b>	<b><u>SPEED</u></b>	<b><u>FT</u></b>	<b><u>SPEED</u></b>
1	20.08	1	17.55	1	20.99
3	10.47	3	9.38	3	9.06
4	n.a.	4	n.a.	4	n.a.
5	19.89	5	19.98	5	20.02
7	n.a.	7	55.02	7	55.01
<b>Total</b>		<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>

HIGHWAY AUTOMATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)

RSA = 9

Baseline		Automator Scenario5			
		Base Network Ramp Facilities*		Additional Ramp Facilities**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	382,565	1	234,084	1	247,214
3	486,580	3	461,524	3	464,344
4	92,389	4	72,981	4	72,461
5	4,298	5	3,868	5	3,888
7	n.a.	7	n.a.	7	n.a.
Total		Total		Total	
	975,200		781,754		797,205
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
3	36,502 7,329	1	4,489	1	4,726
4	2,318	3	36,296	3	36,306
5	215	4	1,730	4	1,706
7	n.a.	5	193	5	194
7	n.a.	7	n.a.	7	n.a.
Total		Total		Total	
	46,584		42,926		43,154
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	373	1	233	1	232
3	23,332	3	23,737	3	23,692
4	413	4	223	4	213
5	0	5	0	5	0
7	n.a.	7	n.a.	7	n.a.
Total		Total		Total	
	24,118		24,194		24,136
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	52.20	1	52.15	1	52.31
3	13.33	3	12.72	3	12.79
4	39.86	4	42.19	4	42.40
5	19.99	5	20.04	5	20.04
7	n.a.	7	n.a.	7	n.a.
Total		Total		Total	
	n.a.		n.a.		n.a.

HIGHWAY ADTOXATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)

RSA = 10

Baseline		Automation Scenarios			
		Base Network Ramp Facilities*		Additional Ramp Facilities**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	621,282	1	426,394	1	400,784
3	639,005	3	587,387	3	584,617
4	36,908	4	30,324	4	30,131
5	6,179	5	5,229	5	6,248
7	n.a.	7	352,545	7	339,049
Total	1,304,634	Total	1,403,139	Total	1,362,090
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	19,047	1	12,614	1	33,167
3	33,806	3	33,401	3	12,402
4	878	4	780	4	773
5	309	5	261	5	312
7	n.a.	7	6,411	7	6,166
Total	54,060	Total	53,488	Total	52,842
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	7,748	1	4,859	1	5,113
3	17,189	3	18,188	3	17,982
4	140	4	173	4	171
5	0	5	0	5	0
7	n.a.	7	0	7	0
Total	25,077	Total	23,221	Total	23,266
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	32.62	1	33.80	1	32.32
3	18.90	3	17.59	3	17.63
4	42.04	4	38.88	4	38.98
5	44.14	5	20.03	5	20.03
7	n.a.	7	54.99	7	54.99
Total	n.a.	Total	n.a.	Total	n.a.

HIGHWAY AUTOMATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)

RSA = 11

Automation Scenario5					
Baseline		Base Network Ramp Facilities*		Additional Ramp Facilities**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	82,672	1	52,217	1	37,711
3	354,336	3	310,258	3	298,066
4	n.a.	4	n.a.	4	n.a.
5	448	5	214	5	173
7	n.a.	7	47,679	7	64,639
Total		Total		Total	
	437,480		410,392		400,639
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	2,953	1	1,927	1	962
3	23,304	3	18,135	3	15,648
4	n.a.	4	n.a.	4	n.a.
5	22	5	11	5	9
7	n.a.	7	865	7	1,173
Total		Total		Total	
	26,280		20,938		17,792
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	1,454	1	980	1	278
3	14,784	3	10,582	3	8,477
4	n.a.	4	n.a.	4	n.a.
5	0	5	0	5	0
7	n.a.	7	0	7	0
Total		Total		Total	
	16,238		11,562		8,754
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	28.00	1	27.10	1	39.20
3	15.20	3	17.11	3	19.05
4	n.a.	4	n.a.	4	n.a.
4	20.36	4	19.45	4	19.22
7	n.a.	7	55.12	7	55.13
Total		Total		Total	
	n.a.		n.a.		n.a.

HIGHWAY ADTOXATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)

RSA = 12

Automator Scenario5					
Baseline		Base Network Ramp Facilities*		Additional Ramp Facilities**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1		1	678,310	1	622,632
3	1,048,145 1,043,439	3	778,415	3	773,369
4	102,003	4	95,414	4	95,243
5	23,941	5	24,177	5	25,791
7	n.a.	7	683,746	7	740,688
-----		-----		-----	
Total	2,221,889	Total	2,264,421	Total	2,262,084
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1		3	23,118 34,450	1	34,435 20,670
3	46,170 57,042	4	5,106	4	5,114
4	5,366	5	1,210	5	1,290
5	1,197	7	12,426	7	13,461
7	n.a.	-----		-----	
Total	109,847	Total	76,383	Total	75,042
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	27,205	1	10,790	1	9,353
3	21,175	3	7,807	3	7,970
4	1,686	4	1,663	4	1,678
5	0	5	1	5	0
7	n.a.	7	0	7	0
-----		-----		-----	
Total	50,066	Total	20,261	Total	19,001
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	22.60	1	29.34	1	30.12
3		3	22.60	3	22.46
4	18.37 19.01	4	18.69	4	18.62
5	20.00	5	19.98	5	19.99
7	n.a.	7	55.03	7	55.02
-----		-----		-----	
Total	n.a.	Total	n.a.	Total	n.a.



HIGHWAY AUTOMATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)

RSA = 13

Automator Scenario5					
Baseline		Base Network Ramp Facilities*		Additional Ramp Facilities**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	575,005	1	359,642	1	296,889
3	493,189	3	356,143	3	22,361
4	26,786	4	22,055	4	346,372
5	15,335	5	19,547	5	20,361
7	n.a.	7	444,859	7	504,871
<b>Total</b>	<b>1,112,665</b>	<b>Total</b>	<b>1,204,599</b>	<b>Total</b>	<b>1,193,207</b>
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	22,274	1	11,923	1	8,748
3	25,309	3	15,022	3	14,546
4	1,299	4	981	4	1,006
5	767	5	977	5	1,018
7	n.a.	7	8,082	7	9,171
<b>Total</b>	<b>49,688</b>	<b>Total</b>	<b>37,024</b>	<b>Total</b>	<b>34,529</b>
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	11,828	1	5,388	1	3,354
3	7,124	3	1,894	3	1,772
4	195	4	69	4	81
5	0	5	0	5	0
7	n.a.	7	0	7	0
<b>Total</b>	<b>19,147</b>	<b>Total</b>	<b>7,352</b>	<b>Total</b>	<b>5,207</b>
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	25.82	1	30.16	1	33.94
3	19.49	3	23.71	3	23.81
4	20.62	4	22.48	4	22.23
5	19.99	5	20.01	5	20.00
7	n.a.	7	55.04	7	55.05
<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>

HIGHWAY AUTOMATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)

RSA = 14

Automator Scenario5					
Baseline		Base Network Ramp Facilities*		Additional Ramp Facilities**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	909,648	1	640,810	1	626,142
3	487,897	3	351,059	3	342,744
4	32,899	4	30,448	4	30,571
5	18,283	5	18,847	5	18,139
7	n.a.	7	288,820	7	302,705
Total		Total		Total	
	1,450,598		1,331,855		1,322,170
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
3	36,282 21,402	1	20,897	1	19,824
4	1,423	3	14,132	3	13,579
5	914	4	1,288	4	1,292
7	n.a.	5	942	5	907
		7	5,258	7	5,510
Total		Total		Total	
	60,052		42,548		41,144
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	19,730	1	9,237	1	8,431
3	5,119	3	2,407	3	2,134
4	247	4	200	4	200
5	0	5	0	5	0
7	n.a.	7	0	7	0
Total		Total		Total	
	25,096		11,844		10,765
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	25.07	1	30.67	1	31.59
3	22.80	3	24.84	3	25.24
4	23.12	4	23.64	4	23.66
5	20.00	5	20.01	5	20.00
7	n.a.	7	54.93	7	54.94
Total		Total		Total	
	n.a.		n.a.		n.a.

HIGHWAY AUTOMATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)

RSA = 15

Automatic Scenario5					
Baseline		Base Network Ramp Facilities*		Additional Ramp Facilities**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	n.a.	1	n.a.	1	n.a.
3	133,640	3	103,700	3	103,691
4	n.a.	4	n.a.	4	n.a.
5	n.a.	5	n.a.	5	n.a.
7	n.a.	7	n.a.	7	n.a.
-----		-----		-----	
<b>Total</b>	133,726	<b>Total</b>	103,785	<b>Total</b>	103,776
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	n.a.	1	n.a.	1	n.a.
3	7,729	3	4,745	3	4,784
4	n.a.	4	n.a.	4	n.a.
5	n.a.	5	n.a.	5	n.a.
7	n.a.	7	n.a.	7	n.a.
-----		-----		-----	
<b>Total</b>	7,730	<b>Total</b>	4,747	<b>Total</b>	4,785
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	n.a.	1	n.a.	1	n.a.
3	3,274	3	1,289	3	1,327
4	n.a.	4	n.a.	4	n.a.
5	n.a.	5	n.a.	5	n.a.
7	n.a.	7	n.a.	7	n.a.
-----		-----		-----	
<b>Total</b>	3,274	<b>Total</b>	1,289	<b>Total</b>	1,327
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	n.a.	1	n.a.	1	n.a.
3	17.29	3	21.64	3	21.67
4	n.a.	4	n.a.	4	n.a.
5	n.a.	5	n.a.	5	n.a.
7	n.a.	7	n.a.	7	n.a.
-----		-----		-----	
<b>Total</b>	n.a.	<b>Total</b>	n.a.	<b>Total</b>	n.a.

HIGHWAY AUTOXATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)

RSA = 16

Baseline		Automation Scenario5			
		Base Network Ramp Facilities*		Additional Ramp Facilities**	
<b><u>FT</u></b>	<b><u>VMT</u></b>	<b><u>FT</u></b>	<b><u>VMT</u></b>	<b><u>FT</u></b>	<b><u>VMT</u></b>
1	412,804	1	228,584	1	192,559
3		3	432,568	3	430,308
4	517,034 38,153	4	34,296	4	34,392
5	14,184	5	15,541	5	15,792
7	n.a.	7	300,864	7	333,554
<b>Total</b>	<b>984,256</b>	<b>Total</b>	<b>1,013,933</b>	<b>Total</b>	<b>1,008,685</b>
<b><u>FT</u></b>	<b><u>VHT</u></b>	<b><u>FT</u></b>	<b><u>VHT</u></b>	<b><u>FT</u></b>	<b><u>VHT</u></b>
1	15,254	1	7,753	1	6,400
3	30,712	3	23,117	3	22,512
4	1,817	4	1,559	4	1,559
5	709	5	778	5	790
7	n.a.	7	5,467	7	6,061
<b>Total</b>	<b>48,526</b>	<b>Total</b>	<b>38,710</b>	<b>Total</b>	<b>37,356</b>
<b><u>FT</u></b>	<b><u>VHD</u></b>	<b><u>FT</u></b>	<b><u>VHD</u></b>	<b><u>FT</u></b>	<b><u>VHD</u></b>
1	7,754	1	3,601	1	2,901
3	13,349	3	8,605	3	8,055
4	442	4	321	4	318
5	0	5	1	5	0
7	n.a.	7	0	7	0
<b>Total</b>	<b>21,545</b>	<b>Total</b>	<b>12,529</b>	<b>Total</b>	<b>11,274</b>
<b><u>FT</u></b>	<b><u>SPEED</u></b>	<b><u>FT</u></b>	<b><u>SPEED</u></b>	<b><u>FT</u></b>	<b><u>SPEED</u></b>
1	27.06	1	29.48	1	30.09
3	16.83	3	18.71	3	19.11
4	21.00	4	22.00	4	22.06
5	20.00	5	19.98	5	19.99
7	n.a.	7	55.03	7	55.03
<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>

HIGHWAY AUTOMATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)

RSA = 17

Automation Scenario5					
Baseline		Base Network Ramp Facilities*		Additional Ramp Facilities**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	765,517	1	501,174	1	451,707
3	<b>1,399,216</b>	3	<b>1,081,409</b>	3	<b>1,058,680</b>
4	83,192	4	73,845	4	74,645
5	23,175	5	28,970	5	32,262
7	n.a.	7	596,421	7	650,457
<b>Total</b>	<b>2,276,859</b>	<b>Total</b>	<b>2,287,578</b>	<b>Total</b>	<b>2,273,510</b>
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	30,814	1	1	1	15,393
3	69,406	3	20,114 49,506	3	48,114
4	3,600	4	3,175	4	3,256
5	1,160	5	1,450	5	1,613
7	n.a.	7	10,835	7	11,818
<b>Total</b>	105,076	<b>Total</b>	85,177	<b>Total</b>	80,290
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	16,904	1	11,006	1	7,184
3	19,123	3	10,842	3	10,237
4	459	4	390	4	445
5	1	5	1	5	0
7	n.a.	7	0	7	0
<b>Total</b>	36,489	<b>Total</b>	22,240	<b>Total</b>	17,866
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	24.84	1	<b>24.92</b>	1	29.34
3	20.16	3	21.84	3	22.00
4	23.11	4	23.26	4	22.93
5	19.98	5	19.98	5	20.00
7	n.a.	7	55.05	7	55.04
<b>Total</b>	n.a.	<b>Total</b>	n.a.	<b>Total</b>	n.a.

**HIGHWAY AUTOMATION**  
**2025 REGIONAL HIGHWAY NETWORK**  
**(AM PEAK)**

RSA = 18

Baseline		Automation Scenario5					
		Base Network Ramp Facilities*		Additional Ramp Facilities**			
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	629,194	1	400,500	1	310,802	1	310,802
3	787,750	3	595,557	3	575,282	3	575,282
4	104,789	4	97,776	4	96,747	4	96,747
5	20,740	5	24,756	5	26,004	5	26,004
7	n.a.	7	484,008	7	591,919	7	591,919
<hr/>		<hr/>		<hr/>		<hr/>	
<b>Total</b>	<b>1,546,231</b>	<b>Total</b>	<b>1,606,353</b>	<b>Total</b>	<b>1,604,512</b>	<b>Total</b>	<b>1,604,512</b>
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1		1	14,535	3	25,457	3	25,457
3	34,828	3	26,548	4	5,980	4	5,980
4	6,722	4	5,991	5	1,300	5	1,300
5	1,038	5	1,239	7	10,754	7	10,754
7	n.a.	7	8,794	7	10,754	7	10,754
<hr/>		<hr/>		<hr/>		<hr/>	
<b>Total</b>	<b>63,391</b>	<b>Total</b>	<b>57,169</b>	<b>Total</b>	<b>51,938</b>	<b>Total</b>	<b>51,938</b>
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	9,311	1	7,260	1	2,738	1	2,738
3	7,308	3	5,713	3	5,332	3	5,332
4	2,888	4	2,413	4	2,456	4	2,456
5	1	5	1	5	0	5	0
7	n.a.	7	0	7	0	7	0
<hr/>		<hr/>		<hr/>		<hr/>	
<b>Total</b>	<b>19,508</b>	<b>Total</b>	<b>15,387</b>	<b>Total</b>	<b>10,525</b>	<b>Total</b>	<b>10,525</b>
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	30.34	1	27.55	1	37.07	1	37.07
3	22.62	3	22.43	3	22.60	3	22.60
4	15.59	4	16.32	4	16.18	4	16.18
5	19.98	5	19.98	5	20.00	5	20.00
7	n.a.	7	55.04	7	55.04	7	55.04
<hr/>		<hr/>		<hr/>		<hr/>	
<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>

HIGHWAY AUTOMATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)

RSA = 19

Automation Scenario5					
Baseline		Base Network Ramp Facilities*		Additional Ramp Facilities**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	530,176	1	383,102	1	323,711
3	580,602	3	513,827	3	509,199
4	169,351	4	158,480	4	158,171
5	14,521	5	16,130	5	16,339
7	n.a.	7	240,967	7	299,088
Total		Total		Total	
	1,297,564		1,315,418		1,309,422
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	13,731	3	21,343 9,467	1	7,384
3	23,637	4	7,367	3	21,199
4	7,671	5	806	4	7,296
5	727	7	4,384	5	817
7	n.a.			7	5,440
Total		Total		Total	
	45,815		43,416		42,185
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	4,086	1	2,498	1	1,494
3	4,284	3	4,215	3	4,226
4	1,624	4	1,709	4	1,649
5	1	5	0	5	0
7	n.a.	7	0	7	0
Total		Total		Total	
	9,995		8,421		7,369
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	38.61	1	40.47	1	43.84
3	24.56	3	24.07	3	24.02
4	22.08	4	21.51	4	21.68
5	19.97	5	20.01	5	20.00
7	n.a.	7	54.97	7	54.98
Total		Total		Total	
	n.a.		n.a.		n.a.

**HIGHWAY AUTOMATION**  
**2025 REGIONAL HIGHWAY NETWORK**  
**(AM PEAK)**

RSA = 20

Baseline		Automation Scenarios			
		Base Network Ramp Facilities*		Additional Ramp Facilities**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	512,273	1	355,400	1	309,248
3	638,644	3	473,335	3	466,720
4	94,818	4	66,675	4	67,527
5	19,473	5	20,403	5	20,155
7	n.a.	7	257,492	7	307,656
Total		Total		Total	
	1,268,071		1,176,169		1,174,170
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	15,496	1	9,033	1	7,201
3	31,550	3	22,057	3	21,501
4	3,760	4	2,663	4	2,708
5	975	5	1,022	5	1,008
7	n.a.	7	4,685	7	5,598
Total		Total		Total	
	51,829		39,508		38,063
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	6,176	1	2,566	1	1,575
3	10,262	3	6,279	3	5,943
4	376	4	283	4	297
5	1	5	2	5	0
7	n.a.	7	0	7	0
Total		Total		Total	
	16,815		9,131		7,816
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	33.06	1	39.34	1	42.95
3	20.24	3	21.46	3	21.71
4	25.22	4	25.04	4	24.94
5	19.97	5	19.96	5	20.00
7	n.a.	7	54.96	7	54.96
Total		Total		Total	
	n.a.		n.a.		n.a.



HIGHWAY AUTOMATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)

RSA = 21

Automation Scenario5					
Baseline		Base Network Ramp Facilities*		Additional Ramp Facilities**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	1,331,508	1	871,945	1	809,189
3		3	608,198	3	592,726
4	1,032,416	4	88,466	4	87,153
5	108,544	5	34,276	5	36,428
7	32,970	7	895,483	7	974,730
7	n.a.				
Total		Total		Total	
	2,509,408		2,502,335		2,504,192
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1		1	28,556	1	24,941
3	46,041	3	23,290	3	22,739
4	45,798	4	3,749	4	3,684
5	4,857	5	1,716	5	1,821
7	1,650	7	16,273	7	17,712
7	n.a.				
Total		Total		Total	
	98,412		73,650		70,964
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	21,844	1	12,712	1	10,238
3	8,932	3	1,801	3	1,811
4	856	4	501	4	483
5	1	5	3	5	0
7	n.a.	7	0	7	0
Total		Total		Total	
	31,633		15,017		12,532
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	28.92	1	30.53	1	32.44
3	22.54	3	26.11	3	26.07
4	22.34	4	23.60	4	23.66
5	19.98	5	19.97	5	20.00
7	n.a.	7	55.03	7	55.03
Total		Total		Total	
	n.a.		n.a.		n.a.

**HIGHWAY AUTOMATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)**

RSA = 22

Autoroator Scenario5					
Baseline		Base Network Ramp Facilities*		Additional Ramp Facilities**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	1,116,450	1	679,238	1	594,594
3	1,161,492	3	796,336	3	769,026
4	89,442	4	70,587	4	69,730
5	23,616	5	28,654	5	30,778
7	n.a.	7	932,937	7	1,015,622
Total		Total		Total	
	2,394,917		2,511,668		2,483,666
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1		1		1	16,282
3	36,226 53,813	3	21,295 30,383	3	28,809
4	4,331	4	2,811	4	2,763
5	1,181	5	1,433	5	1,539
7	n.a.	7	16,955	7	18,458
Total		Total		Total	
	95,617		72,941		67,916
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	15,930	1	8,945	1	5,470
3	15,097	3	3,838	3	3,175
4	1,137	4	289	4	272
5	0	5	0	5	0
7	n.a.	7	0	7	0
Total		Total		Total	
	32,163		13,073		8,917
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	30.82	1	31.90	1	36.52
3	21.58	3	26.21	3	26.69
4	20.65	4	25.11	4	25.24
5	20.00	5	20.00	5	20.00
7	n.a.	7	55.02	7	55.02
Total		Total		Total	
	n.a.		n.a.		n.a.

**HIGHWAY AUTOMATION**  
**2025 REGIONAL HIGHWAY NETWORK**  
**(AM PEAK)**

RSA = 23

Automatiox Scenario5					
Baseline		Base Network Ramp Facilities*		Additional Raatp Facilities**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	237,424	1	190,976	1	176,813
3	186,369	3	118,565	3	115,740
4	13,037	4	8,761	4	8,683
5	11,486	5	12,665	5	13,948
7	n.a.	7	171,493	7	170,532
-----		-----		-----	
<b>Total</b>	449,819	<b>Total</b>	503,965	<b>Total</b>	487,223
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	7,898	<b>1</b>		1	6,780
3	9,067	<b>3</b>	9,130 5,938	3	5,943
4	658	4	387	4	388
5	586	5	661	5	705
7	n.a.	7	3,119	7	3,101
-----		-----		-----	
<b>Total</b>	18,234	<b>Total</b>	19,261	<b>Total</b>	16,943
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	3,580	1	5,658	1	3,565
3	632	3	509	3	621
4	98	4	10	4	19
5	11	5	28	5	8
7	n.a.	7	0	7	0
-----		-----		-----	
<b>Total</b>	4,322	<b>Total</b>	6,205	<b>Total</b>	4,213
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	30.06	1	<b>20.92</b>	1	26.08
3	20.55	3	19.97	3	19.48
4	19.81	4	22.64	4	22.38
5	19.60	5	19.16	5	19.78
7	n.a.	7	54.98	7	54.99
-----		-----		-----	
<b>Total</b>	n.a.	<b>Total</b>	n.a.	<b>Total</b>	n.a.

**HIGHWAY AUTOMATION**  
**2025 REGIONAL HIGHWAY NETWORK**  
**(AM PEAK)**

**RSA = 24**

Baseline		Automation Scenarios			
		Base Network Ramp Facilities*		Additional Ramp Facilities**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	1,115,070	1	795,175	1	730,290
3	528,226	3	335,281	3	318,384
4	39,794	4	35,959	4	35,853
5	25,944	5	28,226	5	28,569
7	n.a.	7	539,277	7	616,861
<b>Total</b>	<b>1,711,373</b>	<b>Total</b>	<b>1,736,258</b>	<b>Total</b>	<b>1,732,298</b>
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	37,810	1	23,852	1	20,557
3	25,221	3	14,218	3	13,108
4	1,866	4	1,585	4	1,615
5	1,297	5	1,413	5	1,428
7	n.a.	7	9,806	7	11,215
<b>Total</b>	<b>66,234</b>	<b>Total</b>	<b>50,912</b>	<b>Total</b>	<b>47,962</b>
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	17,536	1	9,396	1	7,279
3	6,011	3	2,123	3	1,666
4	241	4	120	4	154
5	0	5	1	5	0
7	n.a.	7	0	7	0
<b>Total</b>	<b>23,787</b>	<b>Total</b>	<b>11,640</b>	<b>Total</b>	<b>9,099</b>
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	29.49	1	33.34	1	35.53
3	20.94	3	23.58	3	24.29
4	21.33	4	22.69	4	22.20
5	20.00	5	19.98	5	20.01
7	n.a.	7	54.99	7	55.00
<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>

HIGHWAY AUTOMATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)

RSA = 25

Automation Scenarios					
Baseline		Base Network Ramp Facilities*		Additional Ramp Facilities**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	1,164,849	1	773,359	1	660,727
3	1,035,638	3	719,298	3	
4	71,061	4	61,582	4	700,046 61,250
5	27,529	5	29,944	5	33,826
7	n.a.	7	602,039	7	726,361
Total		Total		Total	
	2,303,376		2,190,520		2,186,510
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
3	43,426 43,614	1		1	18,222
4	3,525	3	23,524 27,712	3	26,734
5	1,378	4	3,138	4	3,097
7	n.a.	5	1,499	5	1,693
		7	10,956	7	13,219
Total		Total		Total	
	92,014		66,902		63,036
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	22,236	1	9,459	1	6,205
3	8,291	3	3,288	3	2,959
4	838	4	803	4	771
5	1	5	2	5	1
7	n.a.	7	0	7	0
Total		Total		Total	
	31,367		13,552		9,937
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	26.82	1	32.88	1	36.26
3	23.75	3	25.96	3	26.19
4	20.16	4	19.62	4	19.78
5	19.98	5	19.98	5	19.98
7	n.a.	7	54.95	7	54.95
Total		Total		Total	
	n.a.		n.a.		n.a.

**HIGHWAY AUTOMATION**  
**2025 REGIONAL HIGHWAY NETWORK**  
**(AM PEAK)**

RSA = 26

Baseline		Automator Scenarios			
		Base Network Ramp Facilities*		Additional Ramp Facilities**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	1,552,657	1	875,257	1	740,232
3	1,007,519	3	680,829	3	659,884
4	53,838	4	33,730	4	33,928
5	28,731	5	30,031	5	32,286
7	n.a.	7	1,050,118	7	1,219,511
<b>Total</b>	<b>2,646,404</b>	<b>Total</b>	<b>2,673,624</b>	<b>Total</b>	<b>2,698,500</b>
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1		1	25,622	1	20,193
3	47,404 64,541	3	26,456	3	25,494
4	2,128	4	1,250	4	1,268
5	1,438	5	1,503	5	1,614
7	n.a.	7	19,088	7	22,168
<b>Total</b>	<b>115,572</b>	<b>Total</b>	<b>73,980</b>	<b>Total</b>	<b>70,799</b>
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	36,319	1	9,714	1	6,741
3	13,820	3	3,762	3	3,498
4	206	4	45	4	56
5	1	5	1	5	0
7	n.a.	7	0	7	0
<b>Total</b>	<b>50,346</b>	<b>Total</b>	<b>13,523</b>	<b>Total</b>	<b>10,295</b>
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	24.06	1	34.16	1	36.66
3	21.25	3	25.73	3	25.88
4	25.30	4	26.98	4	26.76
5	19.98	5	19.98	5	20.00
7	n.a.	7	55.01	7	55.01
<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>

HIGHWAY AUTOMATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)

RSA = 27

Baseline		Automation Scenarios			
		Base Network Ramp Facilities*		Additional Ramp Facilities**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	509,226	1	309,717	1	282,579
3	337,399	3	189,322	3	185,863
4	15,902	4	14,697	4	14,703
5	11,262	5	9,251	5	9,724
7	n.a.	7	279,574	7	308,070
<b>Total</b>	<b>875,157</b>	<b>Total</b>	<b>803,930</b>	<b>Total</b>	<b>802,307</b>
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	18,069	1	8,234	1	7,217
3	17,939	3	7,636	3	7,510
4	691	4	650	4	654
5	563	5	463	5	486
7	n.a.	7	5,084	7	5,602
<b>Total</b>	<b>37,285</b>	<b>Total</b>	<b>22,089</b>	<b>Total</b>	<b>21,493</b>
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	8,810	1	2,602	1	2,079
3	6,712	3	1,341	3	1,331
4	123	4	125	4	129
5	0	5	0	5	0
7	n.a.	7	0	7	0
<b>Total</b>	<b>15,644</b>	<b>Total</b>	<b>4,069</b>	<b>Total</b>	<b>3,539</b>
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	28.18	1	37.61	1	39.15
3	18.81	3	24.79	3	24.75
4	23.01	4	22.61	4	22.48
5	20.00	5	19.98	5	20.01
7	n.a.	7	54.99	7	54.99
<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>

HIGHWAY ADTOXATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)

RSA = 28

Baseline		Automation Scenarios			
		Ramp Network Facilities**		Additional Ramp Facilities**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	1,368,275	1	876,775	1	796,096
3	1,097,062	3	839,125	3	828,948
4	65,929	4	65,842	4	66,010
5	24,798	5	26,224	5	26,836
7	n.a.	7	596,158	7	673,826
<b>Total</b>	<b>2,565,464</b>	<b>Total</b>	<b>2,413,477</b>	<b>Total</b>	<b>2,401,068</b>
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	43,461	1	22,128	1	19,208
3	68,720	3	57,535	3	56,639
4	26,952	4	18,916	4	19,344
5	1,240	5	1,311	5	1,342
7	n.a.	7	10,838	7	12,250
<b>Total</b>	<b>140,570</b>	<b>Total</b>	<b>110,924</b>	<b>Total</b>	<b>108,979</b>
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	18,586	1	6,188	1	4,735
3	33,190	3	30,506	3	29,948
4	24,598	4	16,564	4	16,987
5	0	5	0	5	0
7	n.a.	7	0	7	0
<b>Total</b>	<b>76,374</b>	<b>Total</b>	<b>53,259</b>	<b>Total</b>	<b>51,670</b>
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	31.48	1	39.62	1	41.45
3	15.96	3	14.58	3	14.64
4	2.45	4	3.48	4	3.41
5	20.00	5	20.00	5	20.00
7	n.a.	7	55.01	7	55.01
<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>



**HIGHWAY AUTOMATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)**

**RSA = 29**

Baseline		Automatic Scenarios			
		Base Network Ramp Facilities*		Additional Ramp Facilities**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	1,123,873	1	842,374	1	783,748
3		3	669,849	3	670,575
4	822,359 67,275	4	61,547	4	62,536
5	26,486	5	29,226	5	30,005
7	n.a.	7	379,623	7	432,071
Total	2,044,223	Total	1,986,848	Total	1,983,163
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1		1	20,517	1	24,768 18,302
3	29,951 28,240	3	24,926	3	
4	4,091	4	3,780	4	3,829
5	1,326	5	1,466	5	1,502
7	n.a.	7	6,899	7	7,851
Total	63,678	Total	57,658	Total	56,322
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	7,807	1	5,202	1	4,052
3	3,929	3	3,866	3	3,676
4	1,689	4	1,583	4	1,597
5	1	5	4	5	2
7	n.a.	7	0	7	0
Total	13,427	Total	10,656	Total	9,326
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	39.80	1	41.06	1	42.82
3	27.46	3	26.87	3	27.07
4	16.44	4	16.28	4	16.33
5	19.97	5	19.94	5	19.98
7	n.a.	7	55.03	7	55.03
Total	n.a.	Total	n.a.	Total	n.a.

**HIGHWAY AUTOMATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)**

RSA = 30

Baseline		Automation Scenarios			
		Base Network Ramp Facilities*		Additional Ramp Facilities**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	172,835	1	149,115	1	151,922
3	341,141	3	330,662	3	330,007
4	13,131	4	7,308	4	7,355
5	2,268	5	1,923	5	1,962
7	n.a.	7	n.a.	7	n.a.
<b>Total</b>	<b>531,791</b>	<b>Total</b>	<b>491,308</b>	<b>Total</b>	<b>493,546</b>
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	3,288	1	2,769	1	2,831
3	10,296	3	10,454	3	10,550
4	287	4	169	4	170
5	115	5	97	5	99
7	n.a.	7	n.a.	7	n.a.
<b>Total</b>	<b>14,044</b>	<b>Total</b>	<b>13,545</b>	<b>Total</b>	<b>13,705</b>
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	146	1	58	1	69
3	3,402	3	3,768	3	3,876
4	1	4	0	4	0
5	1	5	1	5	1
7	n.a.	7	n.a.	7	n.a.
<b>Total</b>	<b>3,551</b>	<b>Total</b>	<b>3,828</b>	<b>Total</b>	<b>3,946</b>
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	52.56	1	53.85	1	53.66
3	33.13	3	31.63	3	31.28
4	45.75	4	43.24	4	43.26
5	19.72	5	19.82	5	19.82
7	n.a.	7	n.a.	7	n.a.
<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>

**HIGHWAY AUTOMATION**  
 2025 REGIONAL HIGHWAY NETWORK  
 (AM PEAK)

RSA = 35

Baseline		Automatic Scenarios			
		Base Network Ramp Facilities*		Additional Ramp Facilities**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	313,448	1	180,200	1	139,149
3	349,386	3	251,297	3	245,733
4	20,732	4	20,254	4	20,257
5	6,522	5	7,418	5	8,207
7	n.a.	7	249,303	7	286,961
<b>Total</b>	691,372	<b>Total</b>	709,754	<b>Total</b>	701,590
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	10,464	1	5,791	1	3,601
3	16,200	3	10,332	3	9,977
4	3,013	4	2,887	4	2,883
5	326	5	371	5	410
7	n.a.	7	4,534	7	5,219
<b>Total</b>	30,025	<b>Total</b>	23,936	<b>Total</b>	22,113
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	4,761	1	2,511	1	1,069
3	4,554	3	1,955	3	1,786
4	2,275	4	2,166	4	2,162
5	0	5	0	5	0
7	n.a.	7	0	7	0
<b>Total</b>	11,590	<b>Total</b>	6,631	<b>Total</b>	5,016
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	29.95	1	31.12	1	38.64
3	21.57	3	24.32	3	24.63
4	6.88	4	7.02	4	7.03
5	20.00	5	19.99	5	20.02
7	n.a.	7	54.99	7	54.98
<b>Total</b>	n.a.	<b>Total</b>	n.a.	<b>Total</b>	n.a.

HIGHWAY AUTOMATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)

RSA = 36

Baseline		Automatic Scenarios			
		Base Network Ramp Facilities*		Additional Ramp Facilities**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	201,103	1	93,543	1	74,789
3	510,823	3	396,578	3	386,595
4	38,548	4	31,022	4	32,601
5	9,898	5	9,574	5	10,980
7	n.a.	7	151,125	7	179,263
Total	762,327	Total	683,198	Total	686,186
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1		1	2,908	1	1,789
3	28,714	3	20,490	3	20,028
4	1,624	4	1,247	4	1,341
5	495	5	479	5	549
7	n.a.	7	2,746	7	3,257
Total	37,473	Total	27,903	Total	26,996
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	2,953	1		1	430
3	11,982	3	1,208	3	7,454
4	250	4	141	4	179
5	0	5	0	5	0
7	n.a.	7	0	7	0
Total	15,185	Total	8,932	Total	8,063
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	30.44	1	32.17	1	41.80
3	17.79	3	19.35	3	19.30
4	23.74	4	24.88	4	24.31
5	20.00	5	19.99	5	20.00
7	n.a.	7	55.03	7	55.04
Total	n.a.	Total	n.a.	Total	n.a.

HIGHWAY AUTOXATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)

RSA = 37

Automatic Scenarios					
Baseline		Base Network Ramp Facilities*		Additional Ramp Facilities**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	719,925	1	381,472	1	312,755
3	605,618	3	463,268	3	445,485
4	51,566	4	42,737	4	42,949
5	16,624	5	17,492	5	17,791
7	n.a.	7	561,456	7	654,324
Total		Total		Total	
	1,396,338		1,469,026		1,475,905
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1		3	12,876	1	17,461
3	25,383	4	18,228	3	8,620
4	2,203	5	1,764	4	1,776
5	833	7	877	5	890
7	n.a.	7	10,206	7	11,893
Total		Total		Total	
	54,336		43,995		40,683
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	12,297	1	5,942	1	2,934
3	5,687	3	2,786	3	2,612
4	362	4	238	4	242
5	1	5	3	5	0
7	n.a.	7	0	7	0
Total		Total		Total	
	18,347		8,968		5,788
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	28.36	1	29.63	1	36.28
3	23.41	3	25.42	3	25.51
4	23.41	4	24.22	4	24.18
5	19.96	5	19.95	5	19.99
7	n.a.	7	55.01	7	55.02
Total		Total		Total	
	n.a.		n.a.		n.a.

HIGHWAY AUTOMATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)

RSA = 38

Baseline		Automation Scenarios			
		Base Network Ramp Facilities*		Additional Ramp Facilities**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	464,433	1	275,961	1	238,051
3	546,090	3	436,266	3	422,606
4	51,466	4	45,103	4	47,737
5	11,363	5	12,605	5	13,198
7	n.a.	7	298,059	7	327,823
Total		Total		Total	
	1,075,480		1,070,120		1,051,542
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	18,993	1	18,225	1	7,561
3	23,059	3	9,392	3	17,602
4	2,215	4	2,094	4	2,277
5	568	5	636	5	661
7	n.a.	7	5,423	7	5,965
Total		Total		Total	
	44,871		35,806		34,102
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	10,543	1	4,371	1	3,231
3	4,856	3	3,683	3	3,515
4	378	4	484	4	573
5	0	5	6	5	1
7	n.a.	7	0	7	0
Total		Total		Total	
	15,777		8,544		7,320
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	24.45	1	29.38	1	31.48
3	23.68	3	23.94	3	24.01
4	23.24	4	21.54	4	20.96
5	20.01	5	19.82	5	19.97
7	n.a.	7	54.96	7	54.96
Total		Total		Total	
	n.a.		n.a.		n.a.

**HIGHWAY AUTOMATION**  
 2025 **REGIONAL HIGHWAY NETWORK**  
**(AM PEAK)**

**RSA = 39**

<b>Automation Scenarios</b>					
<b>Baseline</b>		<b>Base Network Ramp Facilities*</b>		<b>Additional Ramp Facilities**</b>	
<b><u>FT</u></b>	<b><u>VMT</u></b>	<b><u>FT</u></b>	<b><u>VMT</u></b>	<b><u>FT</u></b>	<b><u>VMT</u></b>
1	480,424	1	<b>439,860</b>	1	414,575
3	695,644	3	587,337	3	584,309
4	104,819	4	93,099	4	86,771
5	27,363	5	25,930	5	27,154
7	n.a.	7	51,368	7	67,158
<hr/>		<hr/>		<hr/>	
<b>Total</b>	<b>1,311,364</b>	<b>Total</b>	<b>1,200,707</b>	<b>Total</b>	<b>1,183,080</b>
<b><u>FT</u></b>	<b><u>VHT</u></b>	<b><u>FT</u></b>	<b><u>VHT</u></b>	<b><u>FT</u></b>	<b><u>VHT</u></b>
1	25,879	1	18,283	1	14,450
3	40,580	3	31,505	3	32,514
4	5,194	4	4,540	4	3,981
5	1,439	5	1,392	5	1,374
7	n.a.	7	933	7	1,220
<hr/>		<hr/>		<hr/>	
<b>Total</b>	<b>73,144</b>	<b>Total</b>	<b>56,705</b>	<b>Total</b>	<b>53,590</b>
<b><u>FT</u></b>	<b><u>VHD</u></b>	<b><u>FT</u></b>	<b><u>VHD</u></b>	<b><u>FT</u></b>	<b><u>VHD</u></b>
1	17,143	1	10,283	1	6,909
3	17,392	3	11,927	3	13,037
4	1,450	4	1,215	4	881
5	71	5	95	5	16
7	n.a.	7	0	7	0
<hr/>		<hr/>		<hr/>	
<b>Total</b>	<b>36,056</b>	<b>Total</b>	<b>23,520</b>	<b>Total</b>	<b>20,844</b>
<b><u>FT</u></b>	<b><u>SPEED</u></b>	<b><u>FT</u></b>	<b><u>SPEED</u></b>	<b><u>FT</u></b>	<b><u>SPEED</u></b>
1	18.56	1	24.06	1	<b>28.69</b>
3	17.14	3	18.64	3	17.97
4	20.18	4	20.51	4	21.80
5	19.02	5	18.63	5	19.76
7	n.a.	7	55.06	7	55.05
<hr/>		<hr/>		<hr/>	
<b>Total</b>	n.a.	<b>Total</b>	n.a.	<b>Total</b>	n.a.

**HIGHWAY AUTOMATION**  
 2025 REGIONAL HIGHWAY NETWORK  
 (AM PEAK)

RSA = 40

Baseline		Automatic Scenarios			
		Base Network Ramp Facilities*		Additional Ramp Facilities**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	1,750,330	1	1,322,397	1	1,323,824
3	230,749	3	208,625	3	197,703
4	19,111	4	18,771	4	19,045
5	8,255	5	9,028	5	8,966
7	n.a.	7	142,890	7	148,681
Total		Total		Total	
	2,009,588		1,702,854		1,699,362
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	48,199	1	34,167	1	33,884
3	9,736	3	9,082	3	8,547
4	1,506	4	1,531	4	1,551
5	414	5	454	5	451
7	n.a.	7	2,597	7	2,703
Total		Total		Total	
	59,874		47,851		47,155
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	16,377	1	10,124	1	9,815
3	2,045	3	2,128	3	1,957
4	824	4	861	4	871
5	1	5	3	5	3
7	n.a.	7	0	7	0
Total		Total		Total	
	19,247		13,116		12,647
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	36.31	1	38.70	1	39.07
3	23.70	3	22.97	3	23.13
4	12.69	4	12.26	4	12.28
5	19.94	5	19.89	5	19.88
7	n.a.	7	55.02	7	55.01
Total		Total		Total	
	n.a.		n.a.		n.a.



**HIGHWAY AUTOMATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)**

RSA = 41

Baseline		Automation Scenarioa			
		Base Network Ramp Facilities*		Additional Ramp Facilities**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
3	326,666 655,774	1	387,559	3	247,163 371,450
4	n.a.	3	253,284	4	n.a.
5	12,282	4	n.a.	5	11,430
7	n.a.	5	11 741	7	389,030
		7	390: 788		
<b>Total</b>	<b>995,580</b>	<b>Total</b>	<b>1,044,230</b>	<b>Total</b>	<b>1,019,931</b>
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	29,337	1	13,653	1	12,375
3	24,342	3	20,832	3	20,508
4	n.a.	4	n.a.	4	n.a.
5	622	5	602	5	579
7	n.a.	7	7,102	7	7,071
<b>Total</b>	<b>54,315</b>	<b>Total</b>	<b>42,204</b>	<b>Total</b>	<b>40,548</b>
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	17,424	3	12,760 6,613	1	5,628
3	13,860	4	n.a.	3	12,646
4	n.a.	5	15	4	n.a.
5	8	7	0	5	8
7	n.a.			7	0
<b>Total</b>	<b>31,291</b>	<b>Total</b>	<b>19,388</b>	<b>Total</b>	<b>18,282</b>
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	22.35	1	28.39	1	30.02
3	13.42	3	12.16	3	12.05
4	n.a.	4	n.a.	4	n.a.
5	19.75	5	19.50	5	19.74
7	n.a.	7	55.03	7	55.02
<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>

**HIGHWAY AUTOMATION**  
 2025 REGIONAL HIGHWAY NETWORK  
 (AM PEAK)

RSA = 42

Baseline		Automation Scenarios			
		Base Network Ramp Facilities*		Additional Ramp Facilities**	
<b><u>FT</u></b>	<b><u>VMT</u></b>	<b><u>FT</u></b>	<b><u>VMT</u></b>	<b><u>FT</u></b>	<b><u>VMT</u></b>
3	718,846	1	460,149	1	402,066
4	216,403 647,979	3		3	483,454
		4	493,715 160,947	4	154,777
5	27,106	5	25,416	5	26,735
7	n.a.	7	465,371	7	522,090
Total	1,614,260	Total	1,609,522	Total	1,593,047
<b><u>FT</u></b>	<b><u>VHT</u></b>	<b><u>FT</u></b>	<b><u>VHT</u></b>	<b><u>FT</u></b>	<b><u>VHT</u></b>
1		1		1	14,978
3	28,531 42,908	3	25,640 19,775	3	25,235
4	24,412	4	17,212	4	16,878
5	1,368	5	1,275	5	1,339
7	n.a.	7	8,460	7	9,491
Total	97,292	Total	72,435	Total	67,994
<b><u>FT</u></b>	<b><u>VHD</u></b>	<b><u>FT</u></b>	<b><u>VHD</u></b>	<b><u>FT</u></b>	<b><u>VHD</u></b>
1	15,457	1	11,406	1	
3	21,298	3	9,177	3	9,115 7,664
4	16,687	4	11,466	4	11,353
5	13	5	4	5	3
7	n.a.	7	0	7	0
Total	53,456	Total	32,054	Total	28,135
<b><u>FT</u></b>	<b><u>SPEED</u></b>	<b><u>FT</u></b>	<b><u>SPEED</u></b>	<b><u>FT</u></b>	<b><u>SPEED</u></b>
1	25.20	1	23.27	1	
3	15.10	3	19.26	3	26.84 19.16
4	8.86	4	9.35	4	9.17
5	19.81	5	19.93	5	19.97
7	n.a.	7	55.01	7	55.01
Total	n.a.	Total	n.a.	Total	n.a.

**HIGHWAY AUTOMATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)**

RSA = 43

Baseline		Automation Scenarios			
		Base Network Ramp Facilities*		Additional Ramp Facilities**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	372,917	1	277,560	1	252,980
3	234,400	3	206,639	3	205,449
4	27,374	4	23,917	4	22,042
5	10,312	5	11,260	5	12,528
7	n.a.	7	138,280	7	157,870
<hr/>		<hr/>		<hr/>	
<b>Total</b>	<b>646,067</b>	<b>Total</b>	<b>658,719</b>	<b>Total</b>	<b>651,933</b>
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1		1	8,961	1	6,990
3	12,705 13,706	3	13,718	3	13,938
4	1,530	4	1,370	4	1,148
5	519	5	576	5	632
7	n.a.	7	2,512	7	2,869
<hr/>		<hr/>		<hr/>	
<b>Total</b>	<b>28,477</b>	<b>Total</b>	<b>27,156</b>	<b>Total</b>	<b>25,594</b>
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	5,923	1	3,913	1	2,388
3	6,082	3	6,941	3	7,206
4	552	4	516	4	361
5	3	5	13	5	6
7	n.a.	7	0	7	0
<hr/>		<hr/>		<hr/>	
<b>Total</b>	<b>12,561</b>	<b>Total</b>	<b>11,384</b>	<b>Total</b>	<b>9,961</b>
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	29.35	1	30.97	1	36.19
3	17.10	3	15.06	3	14.74
4	17.89	4	17.46	4	19.20
5	19.87	5	19.55	5	19.82
7	n.a.	7	55.05	7	55.03
<hr/>		<hr/>		<hr/>	
<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>

HIGHWAY AUTOMATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)

RSA = 44

Baseline		Automation Scenarios			
		Base Network Ramp Facilities*		Additional Ramp Facilities**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	967,518	1	568,174	1	484,464
<b>3</b>		<b>3</b>		3	459,211
<b>4</b>	540,572 28,592	<b>4</b>	470,644 18,527	4	19,626
5	18,697	5	17,599	5	19,486
7	n.a.	7	571,425	7	666,977
Total	1,557,606	Total	1,648,595	Total	1,651,990
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	44,309	<b>1</b>		1	18,488
3	51,128	<b>3</b>	26,306 46,126	3	46,145
4	9,546	4	2,511	4	2,988
5	983	5	915	5	986
7	n.a.	7	10,396	7	12,135
Total	106,004	Total	86,291	Total	80,779
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	26,708	1	15,972	1	<b>9,677</b>
3	33,109	3	30,438	3	30,838
4	8,526	4	1,850	4	2,288
5	48	5	35	5	12
7	n.a.	7	0	7	0
Total	68,392	Total	48,295	Total	42,815
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	21.84	1	21.60	1	26.20
3	10.57	3	10.20	3	9.95
4	3.00	4	7.38	4	6.57
5	19.02	5	19.23	5	19.76
7	n.a.	7	54.97	7	54.96
Total	n.a.	Total	n.a.	Total	n.a.

**HIGHWAY AUTOMATION**  
**2025 REGIONAL HIGHWAY NETWORK**  
**(AM PEAK)**

**RSA = 45**

Baseline		Automation Scenarios					
		Base Network Ramp Facilities*		Additional Ramp Facilities**			
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>		
1	409,453	1	271,192	1	260,258		
3	184,439	3	116,988	3	115,102		
4	3,078	4	3,099	4	3,099		
5	4,399	5	2,904	5	3,230		
7	n.a.	7	202,392	7	233,400		
<hr/>		<hr/>		<hr/>			
<b>Total</b>	<b>601,948</b>	<b>Total</b>	<b>597,153</b>	<b>Total</b>	<b>615,667</b>		
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>		
1		1	7,557	1	6,448		
3	11,739 6,867	3	4,156	3	4,129		
4	117	4	117	4	117		
5	220	5	145	5	161		
7	n.a.	7	3,683	7	4,248		
<hr/>		<hr/>		<hr/>			
<b>Total</b>	<b>18,952</b>	<b>Total</b>	<b>15,669</b>	<b>Total</b>	<b>15,113</b>		
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>		
1	4,289	1	2,623	1			
3	719	3	257	3	1,713 292		
4	7	4	7	4	7		
5	0	5	0	5	0		
7	n.a.	7	0	7	0		
<hr/>		<hr/>		<hr/>			
<b>Total</b>	<b>5,015</b>	<b>Total</b>	<b>2,887</b>	<b>Total</b>	<b>2,012</b>		
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>		
1	34.88	1	35.89	1	40.36		
3	26.86	3	28.15	3	27.88		
4	26.31	4	26.49	4	26.49		
5	20.00	5	20.03	5	20.06		
7	n.a.	7	54.95	7	54.94		
<hr/>		<hr/>		<hr/>			
<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>		

**HIGHWAY AUTOMATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)**

**RSA = 46**

Baseline		Automation Scenarios			
		Base Network Ramp Facilities*		Additional Ramp Facilities**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1		1	872,272	1	803,687
3	1,105,951	3	635,783	3	631,752
4	91,295	4	83,629	4	82,804
5	31,271	5	32,514	5	33,248
7	n.a.	7	432,363	7	386,601
Total		Total		Total	
	2,025,264		2,060,353		2,041,884
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	40,489	1	27,929	1	24,909
3	42,193	3	30,349	3	30,648
4	5,588	4	4,912	4	4,947
5	1,567	5	1,634	5	1,669
7	n.a.	7	7,857	7	8,842
Total		Total		Total	
	89,901		72,745		71,078
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	20,389	1	12,077	1	10,302
3	17,544	3	10,798	3	11,191
4	2,570	4	2,102	4	2,168
5	4	5	8	5	7
7	n.a.	7	0	7	0
Total		Total		Total	
	40,508		24,985		23,667
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	27.31	1	31.23	1	32.26
3	18.79	3	20.95	3	20.61
4	16.34	4	17.03	4	16.74
5	19.96	5	19.90	5	19.92
7	n.a.	7	55.03	7	55.03
Total		Total		Total	
	n.a.		n.a.		n.a.

HIGHWAY AUTOMATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)

RSA = 47

Baseline		Automatioid Scenarios			
		Base Network Ramp Facilities*		Additional Ramp Facilities**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	208,278	1	215,673	1	214,974
3	326,154	3	294,871	3	294,025
4	124,844	4	98,057	4	98,223
5	2,536	5	2,324	5	2,319
7	n.a.	7	n.a.	7	n.a.
<b>Total</b>	<b>662,559</b>	<b>Total</b>	<b>611,671</b>	<b>Total</b>	<b>610,287</b>
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	4,657	1	4,589	3	10,822 4,577
3	12,465	3	10,872	4	7,505
4	11,641	4	7,509	5	116
5	127	5	116	7	n.a.
7	n.a.	7	n.a.		
<b>Total</b>	<b>28,902</b>	<b>Total</b>	<b>23,099</b>	<b>Total</b>	<b>23,032</b>
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	871	1	3,742 668	1	668
3	4,405	3		3	3,717
4	8,555	4	5,074	4	5,068
5	0	5	0	5	0
7	n.a.	7	n.a.	7	n.a.
<b>Total</b>	<b>13,830</b>	<b>Total</b>	<b>9,484</b>	<b>Total</b>	<b>9,454</b>
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	44.72	1	47.00	1	46.97
3	26.17	3	27.12	3	27.17
4	10.72	4	13.06	4	13.09
5	19.97	5	20.03	5	19.99
7	n.a.	7	n.a.	7	n.a.
<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>

HIGHWAY AUTOMATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)

RSA = 48

Automation Scenarios					
Baseline		Base Network Ramp Facilities*		Additional Ramp Facilities**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	51,476	1	44,544	1	44,450
3		3	299,355	3	299,694
4	282,183	4	97,193	4	97,040
5	0	5	0	5	0
7	n.a.	7	n.a.	7	n.a.
Total		Total		Total	
	433,324		442,907		443,000
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	989	1	853	1	850
3	55,638	3	64,534	3	64,608
4	22,115	4	20,225	4	20,184
5	0	5	0	5	0
7	n.a.	7	n.a.	7	n.a.
Total		Total		Total	
	78,779		85,649		85,678
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	52	1	43	1	58,614
3	49,995	3	58,547	3	42
4	20,160	4	18,283	4	18,244
5	0	5	0	5	0
7	n.a.	7	n.a.	7	n.a.
Total		Total		Total	
	70,207		76,873		76,900
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	52.05	1	52.22	1	52.29
3	5.07	3	4.64	3	4.64
4	4.43	4	4.81	4	4.81
5		5	0	5	0
7	n.a.	7	n.a.	7	n.a.
Total		Total		Total	
	n.a.		n.a.		n.a.



HIGHWAY ADTOXATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)

RSA = 49

Baseline		Automation Scenarios			
		Base Network Ramp Facilities*		Additional Ramp Facilities**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
3	390,068 189,869	1		1	386,154
4	39,225	3	385,221 163,007	3	164,411
5	5,239	4	34,192	4	34,481
7	n.a.	5	4,604	5	4,608
		7	n.a.	7	n.a.
<b>Total</b>	<b>629,631</b>	<b>Total</b>	<b>592,052</b>	<b>Total</b>	<b>594,684</b>
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	10,230	1		1	10,512
3	5,158	3	10,450 4,216	3	4,252
4	952	4	758	4	774
5	262	5	230	5	230
7	n.a.	7	n.a.	7	n.a.
<b>Total</b>	<b>16,729</b>	<b>Total</b>	<b>15,775</b>	<b>Total</b>	<b>15,890</b>
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	3,137	1	3,444	1	3,489
3	1,361	3	956	3	964
4	168	4	75	4	85
5	0	5	0	5	0
7	n.a.	7	n.a.	7	n.a.
<b>Total</b>	<b>4,666</b>	<b>Total</b>	<b>4,475</b>	<b>Total</b>	<b>4,538</b>
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	38.13	1	36.86	1	36.73
3	36.81	3	38.66	3	38.67
4	41.20	4	45.11	4	44.55
5	20.00	5	20.02	5	20.03
7	n.a.	7	n.a.	7	n.a.
<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>

HIGHWAY ADTOXATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)

RSA = 50

Baseline		Automatic Scenarios			
		Base Network Ramp Facilities*		Additional Ramp Facilities**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	266,139	1	258,222	1	256,938
3	110,958	3	111,117	3	115,256
4	n.a.	4	n.a.	4	n.a.
5	3,835	5	3,716	5	3,764
7	n.a.	7	n.a.	7	n.a.
Total		Total		Total	
	381,656		373,857		376,761
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	5,025	1	4,775	1	4,753
3	2,547	3	2,686	3	2,761
4	n.a.	4	n.a.	4	n.a.
5	192	5	186	5	188
7	n.a.	7	n.a.	7	n.a.
Total		Total		Total	
	381,656		7,662		7,718
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	187	1	80	1	81
3	328	3	464	3	456
4	n.a.	4	n.a.	4	n.a.
5	0	5	0	5	0
7	n.a.	7	n.a.	7	n.a.
Total		Total		Total	
	515		544		537
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	52.96	1	54.08	1	54.06
3	n.a.	3	41.37	3	41.74
4	19.97	4	n.a.	4	n.a.
5	n.a.	5	19.98	5	20.02
7	n.a.	7	n.a.	7	n.a.
Total		Total		Total	
	n.a.		n.a.		n.a.

**HIGHWAY AUTOMATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)**

**COUNTY = Los Angeles**

<b>Automator Scenario 5</b>					
<b>Baseline</b>		<b>Base Network Ramp Facilities*</b>		<b>Additional Ramp Facilities**</b>	
<b><u>FT</u></b>	<b><u>VMT</u></b>	<b><u>FT</u></b>	<b><u>VMT</u></b>	<b><u>FT</u></b>	<b><u>VMT</u></b>
1	14,233,443	1	9,166,515	1	8,164,244
3	13,349,037	3	9,919,806	3	9,718,488
4	1,173,101	4	996,084	4	993,771
5	332,784	5	362,975	5	385,933
7	n.a.	7	8,555,357	7	9,602,072
<b>Total</b>		<b>Total</b>		<b>Total</b>	
	<b>29,147,255</b>		<b>29,059,553</b>		<b>28,923,324</b>
<b><u>FT</u></b>	<b><u>VHT</u></b>	<b><u>FT</u></b>	<b><u>VHT</u></b>	<b><u>FT</u></b>	<b><u>VHT</u></b>
1	516,943	1	295,686	<b>1</b>	
3	680,676	3	477,760	<b>3</b>	240,470 466,402
4	52,916	4	44,209	4	44,170
5	16,671	5	18,227	5	19,310
7	n.a.	7	155,523	7	174,550
<b>Total</b>		<b>Total</b>		<b>Total</b>	
	1.268.252		992,450		945,946
<b><u>FT</u></b>	<b><u>VHD</u></b>	<b><u>FT</u></b>	<b><u>VHD</u></b>	<b><u>FT</u></b>	<b><u>VHD</u></b>
1	258,179	1	129,040	1	92,040
3	233,420	3	148,752	3	144,301
4	11,969	4	9,339	4	9,391
5	32	5	79	5	14
7	n.a.	7	0	7	0
<b>Total</b>		<b>Total</b>		<b>Total</b>	
	503,600		287,210		245,746
<b><u>FT</u></b>	<b><u>SPEED</u></b>	<b><u>FT</u></b>	<b><u>SPEED</u></b>	<b><u>FT</u></b>	<b><u>SPEED</u></b>
1	27.53	1	31.00	1	33.95
3	19.61	3	20.76	3	20.84
4	22.17	4	22.53	4	22.50
5	29.96	5	19.91	5	19.99
7	n.a.	7	55.01	7	55.01
<b>Total</b>		<b>Total</b>		<b>Total</b>	
	n.a.		n.a.		n.a.

**HIGHWAY AUTOMATION**  
 2025 REGIONAL HIGHWAY NETWORK  
 (AM PEAK)

COUNTY = Riverside

Baseline		Automation Scenarios					
		Base Network Ramp Facilities*		Additional Ramp Facilities**			
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	2,431,365	1	2,047,123	1	1,966,462		
3	1,886,561	3	1,621,122	3			
4	356,264	4	316,170	4	1,620,241	315,646	
5	47,282	5	46,061	5	47,170		
7	n.a.	7	634,755	7	720,001		
<b>Total</b>	<b>4,734,381</b>	<b>Total</b>	<b>4,677,994</b>	<b>Total</b>	<b>4,682,282</b>		
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	73,130	1	56,153	1	52,047		
3	124,868	3	116,813	3	117,220		
4	40,412	4	33,522	4	33,527		
5	2,368	5	2,311	5	2,365		
7	n.a.	7	11,540	7	13,091		
<b>Total</b>	<b>241,041</b>	<b>Total</b>	<b>220,599</b>	<b>Total</b>	<b>218,509</b>		
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	28,924	1	18,935	1	16,295		
3	74,351	3	74,764	3	75,235		
4	31,461	4	25,540	4	25,571		
5	4	5	8	5	7		
7	n.a.	7	0	7	0		
<b>Total</b>	<b>134,740</b>	<b>Total</b>	<b>119,246</b>	<b>Total</b>	<b>117,108</b>		
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	33.25	1	36.46	1	37.78		
3	15.11	3	13.88	3	13.82		
4	8.82	4	9.43	4	9.41		
5	19.97	5	19.93	5	19.95		
7	n.a.	7	55.00	7	50.00		
<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>		

**HIGHWAY AUTOXATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)**

**COUNTY = San Bernardino**

Baeeline		Automation Scenarios					
		Base Network Ramp Facilities*		Additional Ramp Facilities**			
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	2,664,983	1	1,868,264	1	1,731,765		
3	2,260,563	3	1,839,636	3	1,829,530		
4	146,335	4	134,698	4	135,901		
5	53,552	5	57,373	5	58,803		
7	n.a.	7	975,781	7	1,105,897		
<b>Total</b>	<b>5,141,477</b>	<b>Total</b>	<b>4,891,633</b>	<b>Total</b>	<b>4,877,777</b>		
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>		
3	108,967 74,990	1	45,414	1	40,341		
4	31,330	3	92,916	3	91,957		
5	2,680	4	22,865	4	23,343		
7	n.a.	5	2,874	5	2,943		
<b>Total</b>	<b>218,292</b>	<b>Total</b>	<b>182,128</b>	<b>Total</b>	<b>179,006</b>		
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>		
1	26,450	1	11,448	3	37,500 8,855		
3	40,522	3	38,141	4	18,584		
4	26,289	4	18,148	5	3		
5	2	5	6	7	0		
7	n.a.	7	0				
<b>Total</b>	<b>93,353</b>	<b>Total</b>	<b>67,742</b>	<b>Total</b>	<b>64,942</b>		
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>		
1	35.54	1	41.14	1	42.93		
3	20.75	3	19.80	3	19.90		
4	4.67	4	5.89	4	<b>5.82</b>		
5	19.98	5	19.96	5	19.98		
7	n.a.	7	55.01	7	55.02		
<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>		

**HIGHWAY AUTOMATION**  
**2025 REGIONAL HIGHWAY NETWORK**  
**(AM PEAK)**

COUNTY = Ventura

Baseline		Automation Scenarios			
		Base Network Ramp Facilities*		Additional Ramp Facilities**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	1,200,757	1	950,407	3	928,770 676,672
3	735,523	3	675,367	4	130,555
4	134,713	4	130,498	5	29,470
5	29,537	5	29,682	7	234,515
7	n.a.	7	216,227		
<b>Total</b>	<b>2,105,134</b>	<b>Total</b>	<b>2,006,819</b>	<b>Total</b>	<b>2,004,620</b>
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	24,882	1	18,812	1	18,139
3	71,115	3	69,042	3	69,106
4	5,772	4	6,114	4	5,984
5	1,477	5	1,485	5	1,475
7	n.a.	<b>7</b>	3,932	7	4,265
<b>Total</b>	<b>103,327</b>	<b>Total</b>	<b>99,467</b>	<b>Total</b>	<b>99,050</b>
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	3,053	1	1,535	1	1,255
3	47,306	3	47,259	3	47,280
4	1,224	<b>4</b>		4	1,515
5	0	<b>5</b>	1,648	5	1
7	n.a.	7	0	7	0
<b>Total</b>	<b>51,582</b>	<b>Total</b>	<b>50,443</b>	<b>Total</b>	<b>50,052</b>
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	48.26	1	50.52	1	51.20
3	10.34	3	9.78	3	9.79
4	23.34	4	21.34	4	21.82
5	20.00	5	19.99	5	19.98
7	n.a.	7	54.99	7	54.99
<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>

HIGHWAY AUTOMATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)

COUNTY = Orange

Automation Scenarios					
Baseline		Base Network Ramp Facilities*		Additional Ramp Facilities**	
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	6,644,718	1	4,386,873	1	4,014,104
3	4,687,930	3	3,767,653	3	3,677,708
4	558,612	4	454,376	4	445,805
5	148,424	5	148,062	5	156,476
7	n.a.	7	3,020,065	7	3,400,177
Total		Total		Total	
	12,059,982		11,797,324		11,714,565
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>
1	250,407	3	214,179 152,112	1	122,735
3	276,247	4	35,156	3	211,955
4	51,244	5	7,577	4	34,824
5	7,567	7	54,910	5	7,872
7	n.a.			7	61,821
Total		Total		Total	
	585,811		464,281		439,554
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>
1	129,587	3	72,342 89,379	1	49,744
3	120,866	4	18,939	3	90,167
4	31,304	5	174	4	18,911
5	145	7	0	5	48
7	n.a.			7	0
Total		Total		Total	
	281,902		180,832		158,870
<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>
1	26.54	1	28.84	1	32.71
3	16.97	3	17.59	3	17.35
4	10.90	4	12.92	4	12.80
5	19.61	5	19.54	5	19.88
7	n.a.	7	55.00	7	55.00
Total		Total		Total	
	n.a.		n.a.		n.a.

**HIGHWAY AUTOMATION  
2025 REGIONAL HIGHWAY NETWORK  
(AM PEAK)**

**COMPLETE SYSTEM**

Baseline		Automator Scenario5					
		Base Network Ramp Facilities*		Additional Ramp Facilities**			
<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>	<u>FT</u>	<u>VMT</u>
1	27,175,266	1	18,419,181	1	16,805,344		
3	22,919,614	3	17,823,585	3	17,522,639		
4	2,369,025	4	2,031,826	4	2,021,679		
5	611,580	5	644,153	5	677,852		
7	n.a.	7	13,402,185	7	15,062,662		
<b>Total</b>	<b>53,188,229</b>	<b>Total</b>	<b>52,433,323</b>	<b>Total</b>	<b>52,202,568</b>		
<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>	<u>FT</u>	<u>VHT</u>		
1	940,352	1	568,178	1	473,732		
3	1,261,873	3	970,710	3	956,641		
4	181,674	4	141,866	4	141,849		
5	30,763	5	32,475	5	33,965		
7	n.a.	7	243,643	7	273,827		
<b>Total</b>	<b>2,416,722</b>	<b>Total</b>	<b>1,958,924</b>	<b>Total</b>	<b>1,882,066</b>		
<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>	<u>FT</u>	<u>VHD</u>		
1		1		1			
3	446,283	3	233,300	3	168,190		
4	516,465	4	398,294	4	394,483		
5	102,246	5	73,612	5	73,972		
7	184	7	267	7	73		
	n.a.		0		0		
<b>Total</b>	<b>1,065,177</b>	<b>Total</b>	<b>705,473</b>	<b>Total</b>	<b>636,718</b>		
<u>FT</u>	<u>SPEC</u>	<u>FT</u>	<u>SPEED</u>	<u>FT</u>	<u>SPEED</u>		
1	28.90	1	32.42	1	35.47		
3	18.16	3	18.36	3	18.32		
4	13.04	4	14.32	4	14.25		
5	19.88	5	19.84	5	19.96		
7	n.a.	7	55.01	7	55.01		
<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>	<b>Total</b>	<b>n.a.</b>		