



NHRR TRAFFIC FORECASTING REPORT

Appendix – Highway Assignment Model Convergence

Core Scenario

Do Minimum 2026

AM Peak			Inter Peak			PM Peak		
Loop	%Flow	%Gap	Loop	%Flow	%Gap	Loop	%Flow	%Gap
20	99.2	0.00033	19	99.4	0.00024	45	99.1	0.00040
21	99.3	0.00026	20	99.1	0.00014	46	99.4	0.00025
22	99.4	0.00027	21	99.3	0.00041	47	99.4	0.00057
23	99.2	0.00023	22	99.1	0.00009	48	99.3	0.00029

Do Something 2026

AM Peak			Inter Peak			PM Peak		
Loop	%Flow	%Gap	Loop	%Flow	%Gap	Loop	%Flow	%Gap
25	99.1	0.00012	16	99.1	0.00007	28	99.4	0.00049
26	99.1	0.00019	17	99.2	0.00007	29	99.3	0.00010
27	99.6	0.00009	18	99.3	0.00007	30	99.1	0.00023
28	99.5	0.00016	19	99.3	0.00004	31	99.0	0.00019

Do Minimum 2041

AM Peak			Inter Peak			PM Peak		
Loop	%Flow	%Gap	Loop	%Flow	%Gap	Loop	%Flow	%Gap
54	99.1	0.00087	32	99.5	0.00046	53	99.1	0.00220
55	99.3	0.00190	33	99.4	0.00011	54	99.0	0.00150
56	99.1	0.00150	34	99.6	0.00010	55	99.1	0.00220
57	99.2	0.00150	35	99.7	0.00009	56	99.2	0.00220



Do Something 2041

AM Peak			Inter Peak			PM Peak		
Loop	%Flow	%Gap	Loop	%Flow	%Gap	Loop	%Flow	%Gap
31	99.0	0.00089	22	99.2	0.00007	58	99.1	0.00061
32	99.2	0.00088	23	99.5	0.00007	59	99.2	0.00059
33	99.5	0.00067	24	99.6	0.00005	60	99.1	0.00047
34	99.5	0.00072	25	99.4	0.00005	61	99.4	0.00240

Alternative Scheme Options (core growth assumptions)

Next Best Alternative 2026

AM Peak			Inter Peak			PM Peak		
Loop	%Flow	%Gap	Loop	%Flow	%Gap	Loop	%Flow	%Gap
22	99.1	0.00010	22	99.0	0.00006	29	99.2	0.00033
23	99.1	0.00010	23	99.3	0.00005	30	99.3	0.00031
24	99.3	0.00009	24	99.3	0.00016	31	99.1	0.00030
25	99.5	0.00009	25	99.2	0.00004	32	99.3	0.00012

Next Best Alternative 2041

AM Peak			Inter Peak			PM Peak		
Loop	%Flow	%Gap	Loop	%Flow	%Gap	Loop	%Flow	%Gap
32	99.3	0.00067	20	99.4	0.00027	38	99.1	0.00092
33	99.2	0.00064	21	99.3	0.00014	39	99.3	0.00140
34	99.4	0.00063	22	99.2	0.00019	40	99.2	0.00071
35	99.5	0.00068	23	99.4	0.00012	41	99.4	0.00150

Low Cost Option 2026

AM Peak			Inter Peak			PM Peak		
Loop	%Flow	%Gap	Loop	%Flow	%Gap	Loop	%Flow	%Gap
18	99.4	0.00064	17	99.2	0.00015	23	99.0	0.00170
19	99.0	0.00180	18	99.4	0.00005	24	99.5	0.00130
20	99.3	0.00056	19	99.4	0.00008	25	99.2	0.00180
21	99.4	0.00130	20	99.1	0.00004	26	99.4	0.00130



Low Cost Option 2041

AM Peak			Inter Peak			PM Peak		
Loop	%Flow	%Gap	Loop	%Flow	%Gap	Loop	%Flow	%Gap
25	99.1	0.00099	21	99.1	0.00120	42	99.4	0.00073
26	99.2	0.00220	22	99.3	0.00120	43	99.4	0.00220
27	99.1	0.00140	23	99.6	0.00120	44	99.3	0.00110
28	99.1	0.00250	24	99.5	0.00120	45	99.6	0.00140

Low Growth

Do Minimum 2026

AM Peak			Inter Peak			PM Peak		
Loop	%Flow	%Gap	Loop	%Flow	%Gap	Loop	%Flow	%Gap
17	99.0	0.0001	13	99.1	0.0001	26	99.4	0.0009
18	99.2	0.0001	14	99.3	0.0001	27	99.1	0.0002
19	99.4	0.0001	15	99.1	0.0001	28	99.4	0.0008
20	99.5	0.0001	16	99.1	0.0000	29	99.2	0.0002

Do Something 2026

AM Peak			Inter Peak			PM Peak		
Loop	%Flow	%Gap	Loop	%Flow	%Gap	Loop	%Flow	%Gap
23	99.1	0.0002	9	99.1	0.0000	26	99.1	0.0001
24	99.1	0.0002	10	99.3	0.0000	27	99.1	0.0001
25	99.5	0.0001	11	99.4	0.0000	28	99.3	0.0001
26	99.4	0.0001	12	99.5	0.0000	29	99.2	0.0002

Do Minimum 2041

AM Peak			Inter Peak			PM Peak		
Loop	%Flow	%Gap	Loop	%Flow	%Gap	Loop	%Flow	%Gap
20	99.1	0.0009	15	99.3	0.0003	33	99.3	0.0010
21	99.2	0.0006	16	99.2	0.0003	34	99.2	0.0005
22	99.3	0.0005	17	99.6	0.0002	35	99.2	0.0012
23	99.5	0.0005	18	99.6	0.0002	36	99.2	0.0004



Do Something 2041

AM Peak			Inter Peak			PM Peak		
Loop	%Flow	%Gap	Loop	%Flow	%Gap	Loop	%Flow	%Gap
23	99.0	0.0012	12	99.0	0.0001	39	99.1	0.0007
24	99.2	0.0012	13	99.4	0.0000	40	99.0	0.0004
25	99.3	0.0010	14	99.5	0.0000	41	99.4	0.0003
26	99.3	0.0011	15	99.6	0.0000	42	99.5	0.0003

High Growth

Do Minimum 2026

AM Peak			Inter Peak			PM Peak		
Loop	%Flow	%Gap	Loop	%Flow	%Gap	Loop	%Flow	%Gap
23	99.0	0.0004	23	99.1	0.0007	79	99.8	0.0002
24	99.1	0.0004	24	99.0	0.0002	80	99.8	0.0002
25	99.1	0.0004	25	99.5	0.0003	81	99.7	0.0002
26	99.2	0.0004	26	99.5	0.0002	82	99.8	0.0002

Do Something 2026

AM Peak			Inter Peak			PM Peak		
Loop	%Flow	%Gap	Loop	%Flow	%Gap	Loop	%Flow	%Gap
27	99.1	0.0005	14	99.3	0.0001	39	99.5	0.0004
28	99.2	0.0005	15	99.5	0.0001	40	99.5	0.0003
29	99.0	0.0005	16	99.5	0.0001	41	99.4	0.0004
30	99.2	0.0005	17	99.1	0.0001	42	99.3	0.0004

Do Minimum 2041 – *there is a note on the AM convergence in the TFR.*

AM Peak			Inter Peak			PM Peak		
Loop	%Flow	%Gap	Loop	%Flow	%Gap	Loop	%Flow	%Gap
97	91.2	0.0042	44	99.5	0.0003	46	99.4	0.0012
98	94.7	0.0300	45	99.3	0.0002	47	99.5	0.0010
99	91.0	0.0200	46	99.3	0.0003	48	99.8	0.0009
100	92.0	0.0047	47	99.2	0.0002	49	99.7	0.0010



Do Something 2041 – *there is a note on the PM convergence in the TFR.*

AM Peak			Inter Peak			PM Peak		
Loop	%Flow	%Gap	Loop	%Flow	%Gap	Loop	%Flow	%Gap
53	99.4	0.0017	49	99.2	0.0003	97	94.6	0.0210
54	99.2	0.0011	50	99.3	0.0003	98	92.5	0.0150
55	99.4	0.0016	51	99.4	0.0004	99	97.1	0.0073
56	99.3	0.0013	52	99.2	0.0006	100	98.8	0.0021