

ATTACHMENT 5B

5/21/2021

Daily Traffic Volumes at Key Locations *



ID	Location	2017 Existing	2045 Baseline ***	6+2 Design Plan **				
				2045 Alternative 2A	2045 Alternative 3A	2045 Alternative 6A	2045 Alternative 7A	2045 Alternative 8A
1	James River Bridge	37,431	54,382	48,404	48,241	48,447	47,582	48,363
2	Monitor Merrimac Memorial Bridge Tunnel (GP)	74,994	91,474	82,376	84,528	85,454	79,846	85,588
102	Monitor Merrimac Memorial Bridge Tunnel (Managed Lanes)	-	-	28,583	33,695	34,902	28,830	34,151
3	Hampton Roads Bridge Tunnel (GP)	92,195	108,450	96,892	96,032	96,300	94,643	96,157
103	Hampton Roads Bridge Tunnel (Managed Lanes)	-	57,699	53,370	48,257	48,544	49,486	48,614
Harbor Crossing Totals		204,620	312,005	309,626	310,753	313,646	300,386	312,873
4	I-64 west of US 258 (Mercury Blvd) (GP)	119,617	151,888	149,478	146,626	147,734	146,827	147,466
104	I-64 west of US 258 (Mercury Blvd) (Managed Lanes)	13,802	29,372	30,136	31,101	31,800	30,538	31,445
5	I-564 west of I-64	96,455	78,189	77,752	81,059	81,479	79,655	81,850
6	Hampton Blvd over the Lafayette River	42,949	44,255	42,700	35,630	36,038	35,384	35,740
7	US 58 MidTown Tunnel	50,700	61,062	61,495	54,560	54,959	55,274	54,527
8	I-264 under the Elizabeth River (Downtown Tunnel)	76,479	84,455	84,039	82,767	82,819	82,938	82,812
9	I-64 High Rise Bridge (GP)	106,183	122,191	121,885	121,765	122,340	121,863	121,989
109	I-64 High Rise Bridge (Managed Lanes)	-	15,960	21,060	18,381	18,386	18,320	18,620
10	I-264 just east of Bowers Hill	64,611	82,428	80,139	78,261	78,272	78,596	78,662
11	I-664 just north of Bowers Hill (GP)	85,186	101,329	106,420	105,497	105,756	105,537	105,547
111	I-664 just north of Bowers Hill (Managed Lanes)	-	-	19,717	16,538	16,723	16,716	16,832
12	I-464 just south of I-264	88,248	97,722	97,121	98,103	97,729	97,692	97,557
13	VA 164 just east of I-664	50,087	49,412	58,329	52,447	52,937	52,825	47,051
14	I-564 Connector	-	-	-	39,569	40,146	30,596	40,021
15	CIMT Connector	-	-	-	-	715	776	727
16	I-664 Connector	-	-	-	39,569	40,494	31,000	40,373
17	US 17 east of I-664	22,206	27,176	24,802	23,714	23,688	23,867	25,696
18	I-64 east of VA 168 (GP)	113,334	114,433	109,575	110,864	110,909	110,612	110,912
118	I-64 east of VA 168 (Managed Lanes)	34,994	33,681	31,552	32,612	32,748	31,842	32,694

Notes:

* I-664 and I-64: \$0.06/mile managed lanes only; I-564 and I-664 connectors: \$1.00 all lanes; No toll on CIMT connector.

** design plan recommended by Working Group and reviewed by HRTPO staff, May 13, 2021

*** Baseline network is E+C and consistent with HREL

XXX - Reduction from 2045 Baseline

YYY - Increase from 2045 Baseline

ATTACHMENT 5B

5/21/2021

Daily Traffic Volumes at Key Locations *



ID	Location	2017 Existing	2045 Baseline ***	4+4 Design Plan **				
				2045 Alternative 2B	2045 Alternative 3B	2045 Alternative 6B	2045 Alternative 7B	2045 Alternative 8B
1	James River Bridge	37,431	54,382	48,775	48,630	48,472	47,926	48,481
2	Monitor Merrimac Memorial Bridge Tunnel (GP)	74,994	91,474	72,511	72,375	71,852	71,025	71,564
102	Monitor Merrimac Memorial Bridge Tunnel (Managed Lanes)	-	-	38,565	48,689	47,158	39,458	46,754
3	Hampton Roads Bridge Tunnel (GP)	92,195	108,450	96,947	96,324	95,946	95,229	95,833
103	Hampton Roads Bridge Tunnel (Managed Lanes)	-	57,699	53,377	48,031	47,527	50,116	47,730
Harbor Crossing Totals		204,620	312,005	310,175	314,049	310,954	303,755	310,361
4	I-64 west of US 258 (Mercury Blvd) (GP)	119,617	151,888	149,101	147,449	147,284	147,184	146,693
104	I-64 west of US 258 (Mercury Blvd) (Managed Lanes)	13,802	29,372	30,753	31,586	31,771	31,244	31,587
5	I-564 west of I-64	96,455	78,189	78,002	81,271	81,419	79,842	81,296
6	Hampton Blvd over the Lafayette River	42,949	44,255	42,650	35,469	35,680	35,888	35,776
7	US 58 MidTown Tunnel	50,700	61,062	61,282	54,611	54,675	55,725	54,397
8	I-264 under the Elizabeth River (Downtown Tunnel)	76,479	84,455	83,989	82,619	82,747	83,076	82,663
9	I-64 High Rise Bridge (GP)	106,183	122,191	122,034	121,690	122,178	122,090	121,866
109	I-64 High Rise Bridge (Managed Lanes)	-	15,960	21,289	18,566	18,858	18,696	18,855
10	I-264 just east of Bowers Hill	64,611	82,428	80,313	78,106	78,301	78,473	78,995
11	I-664 just north of Bowers Hill (GP)	85,186	101,329	105,660	105,450	105,154	105,396	104,954
111	I-664 just north of Bowers Hill (Managed Lanes)	-	-	20,171	16,945	16,969	17,222	16,987
12	I-464 just south of I-264	88,248	97,722	97,138	97,606	98,007	97,913	98,013
13	VA 164 just east of I-664	50,087	49,412	58,650	53,644	52,999	53,557	47,333
14	I-564 Connector	-	-	-	39,932	39,752	31,135	39,915
15	CIMT Connector	-	-	-	-	723	780	734
16	I-664 Connector	-	-	-	39,932	40,110	31,542	40,278
17	US 17 east of I-664	22,206	27,176	24,968	23,823	23,826	23,922	25,738
18	I-64 east of VA 168 (GP)	113,334	114,433	109,986	111,335	111,285	110,904	111,064
118	I-64 east of VA 168 (Managed Lanes)	34,994	33,681	31,778	32,795	32,821	31,903	32,789

Notes:

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** design plan recommended by Working Group and reviewed by HRTPO staff, May 13, 2021

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XXX - Reduction from 2045 Baseline

YYY - Increase from 2045 Baseline

- 4+4 only pertains to I-664 from I-664 Connector to Powhatan Parkway Interchange

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5/21/2021

Daily Traffic Volumes at Key Locations *



ID	Location	2017 Existing	2045 Baseline ***	6+2 Design Plan**					4+4 Design Plan**				
				2045 Alternative 2A	2045 Alternative 3A	2045 Alternative 6A	2045 Alternative 7A	2045 Alternative 8A	2045 Alternative 2B	2045 Alternative 3B	2045 Alternative 6B	2045 Alternative 7B	2045 Alternative 8B
1	James River Bridge	37,431	54,382	48,404	48,241	48,447	47,582	48,363	48,775	48,630	48,472	47,926	48,481
2	Monitor Merrimac Memorial Bridge Tunnel (GP)	74,994	91,474	82,376	84,528	85,454	79,846	85,588	72,511	72,375	71,852	71,025	71,564
102	Monitor Merrimac Memorial Bridge Tunnel (Managed Lanes)	-	-	28,583	33,695	34,902	28,830	34,151	38,565	48,689	47,158	39,458	46,754
3	Hampton Roads Bridge Tunnel (GP)	92,195	108,450	96,892	96,032	96,300	94,643	96,157	96,947	96,324	95,946	95,229	95,833
103	Hampton Roads Bridge Tunnel (Managed Lanes)	-	57,699	53,370	48,257	48,544	49,486	48,614	53,377	48,031	47,527	50,116	47,730
Harbor Crossing Totals		204,620	312,005	309,626	310,753	313,646	300,386	312,873	310,175	314,049	310,954	303,755	310,361
4	I-64 west of US 258 (Mercury Blvd) (GP)	119,617	151,888	149,478	146,626	147,734	146,827	147,466	149,101	147,449	147,284	147,184	146,693
104	I-64 west of US 258 (Mercury Blvd) (Managed Lanes)	13,802	29,372	30,136	31,101	31,800	30,538	31,445	30,753	31,586	31,771	31,244	31,587
5	I-564 west of I-64	96,455	78,189	77,752	81,059	81,479	79,655	81,850	78,002	81,271	81,419	79,842	81,296
6	Hampton Blvd over the Lafayette River	42,949	44,255	42,700	35,630	36,038	35,384	35,740	42,650	35,469	35,680	35,888	35,776
7	US 58 MidTown Tunnel	50,700	61,062	61,495	54,560	54,959	55,274	54,527	61,282	54,611	54,675	55,725	54,397
8	I-264 under the Elizabeth River (Downtown Tunnel)	76,479	84,455	84,039	82,767	82,819	82,938	82,812	83,989	82,619	82,747	83,076	82,663
9	I-64 High Rise Bridge (GP)	106,183	122,191	121,885	121,765	122,340	121,863	121,989	122,034	121,690	122,178	122,090	121,866
109	I-64 High Rise Bridge (Managed Lanes)	-	15,960	21,060	18,381	18,386	18,320	18,620	21,289	18,566	18,858	18,696	18,855
10	I-264 just east of Bowers Hill	64,611	82,428	80,139	78,261	78,272	78,596	78,662	80,313	78,106	78,301	78,473	78,995
11	I-664 just north of Bowers Hill (GP)	85,186	101,329	106,420	105,497	105,756	105,537	105,547	105,660	105,450	105,154	105,396	104,954
111	I-664 just north of Bowers Hill (Managed Lanes)	-	-	19,717	16,538	16,723	16,716	16,832	20,171	16,945	16,969	17,222	16,987
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16	I-664 Connector	-	-	-	39,569	40,494	31,000	40,373	-	39,932	40,110	31,542	40,278
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118	I-64 east of VA 168 (Managed Lanes)	34,994	33,681	31,552	32,612	32,748	31,842	32,694	31,778	32,795	32,821	31,903	32,789

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- 4+4 only pertains to I-664 from I-664 Connector to Powhatan Parkway Interchange