

Appendix 3.5
Adopted Daily Trips and
Vehicle-Mile-Travelled (VMT) in Year
2031

Appendix 3.5 Adopted Daily Trips and Vehicle-Mile-Traveled (VMT) in Year 2031

Vehicle Class	Road Type	0000-0100	0100-0200	0200-0300	0300-0400	0400-0500	0500-0600	0600-0700	0700-0800	0800-0900	0900-1000	1000-1100	1100-1200	1200-1300	1300-1400	1400-1500	1500-1600	1600-1700	1700-1800	1800-1900	1900-2000	2000-2100	2100-2200	2200-2300	2300-0000	
PC&LGV	Trunk Road	Total VMT	3055026	1985607	1374786	1069340	1069340	1832937	8401012	9775573	9470196	9012017	9012017	8706447	8706447	8706447	8706447	8706447	8401012	8095539	7484626	6873615	6720818	6415375	6159324	5193224
	VMT(Gas)	3055026	1985607	1374786	1069340	1069340	1832937	3513360	8401012	9775573	9470196	9012017	9012017	8706447	8706447	8706447	8706447	8401012	8095539	7484626	6873615	6720818	6415375	6159324	5193224	
	VMT(Diesel)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Trips(Gas)	225621	146642	101551	78973	78973	78973	135367	259471	620436	721951	693938	665560	665560	642993	642993	642993	642993	620436	597876	552758	507634	496349	473792	383533	
	Trips(Diesel)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Other Road	Total VMT	3725223	2421574	1676893	1304187	1304187	2232323	4283729	10243343	11919647	11547035	10988573	10988573	10616048	10616048	10616048	10616048	10243343	9812150	9126707	8380977	8195148	7822263	6321212	6321212
VMT(Gas)	3725223	2421574	1676893	1304187	1304187	2232323	4283729	10243343	10243343	11919647	11547035	10988573	10988573	10616048	10616048	10616048	10616048	10243343	9812150	9126707	8380977	8195148	7822263	6321212	6321212	
VMT(Diesel)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Trips(Gas)	2751117	178839	123843	96318	96318	96318	165078	316364	756997	880296	852778	811534	811534	784022	784022	784022	784022	756997	729024	674030	618956	605232	577694	467642		
Trips(Diesel)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Diesel	Trunk Road	Total VMT	1384660	89992	62305	48449	48449	83070	159223	380727	443027	408423	408423	394579	394579	394579	394579	380727	366879	339203	311502	304580	290744	235352	235352	
	VMT(Gas)	1384660	89992	62305	48449	48449	83070	159223	380727	443027	408423	408423	394579	394579	394579	394579	394579	380727	366879	339203	311502	304580	290744	235352		
	VMT(Diesel)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Trips(Gas)	1384660	89992	62305	48449	48449	83070	159223	380727	443027	408423	408423	394579	394579	394579	394579	394579	380727	366879	339203	311502	304580	290744	235352		
	Trips(Diesel)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Other Road	Total VMT	188401	122470	84815	65954	65954	113050	216644	518034	602829	583994	555747	555747	536895	536895	536895	536895	518034	499228	461580	423858	414471	395606	320241	
VMT(Gas)	188401	122470	84815	65954	65954	113050	216644	518034	602829	583994	555747	555747	536895	536895	536895	536895	536895	518034	499228	461580	423858	414471	395606	320241		
VMT(Diesel)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Trips(Gas)	188401	122470	84815	65954	65954	113050	216644	518034	602829	583994	555747	555747	536895	536895	536895	536895	536895	518034	499228	461580	423858	414471	395606	320241		
Trips(Diesel)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
LGV>3.5t	Trunk Road	Total VMT	140607	91388	63271	49201	49201	84358	161691	386630	449896	414757	414757	400697	400697	400697	400697	400697	386630	372568	344463	316334	309303	295254	239001	
	VMT(Gas)	140607	91388	63271	49201	49201	84358	161691	386630	449896	414757	414757	400697	400697	400697	400697	400697	400697	386630	372568	344463	316334	309303	295254	239001	
	VMT(Diesel)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Trips(Gas)	140607	91388	63271	49201	49201	84358	161691	386630	449896	414757	414757	400697	400697	400697	400697	400697	400697	400697	386630	372568	344463	316334	309303	295254	
	Trips(Diesel)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Other Road	Total VMT	191207	124293	86079	66939	66939	114734	219872	525747	611805	592692	564024	564024	544888	544888	544888	544888	525747	506661	468455	430171	420639	401496	325011	
VMT(Gas)	191207	124293	86079	66939	66939	114734	219872	525747	611805	592692	564024	564024	544888	544888	544888	544888	544888	525747	506661	468455	430171	420639	401496	325011		
VMT(Diesel)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Trips(Gas)	191207	124293	86079	66939	66939	114734	219872	525747	611805	592692	564024	564024	544888	544888	544888	544888	544888	525747	506661	468455	430171	420639	401496	325011		
Trips(Diesel)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
PLB	Trunk Road	Total VMT	96609	62800	43473	33813	33813	57964	111105	265661	309130	294984	284982	273519	268623	275519	275519	275519	265661	255997	236681	217361	212529	202876	164216	
	VMT(Gas)	96609	62800	43473	33813	33813	57964	111105	265661	309130	294984	284982	273519	268623	275519	275519	275519	275519	265661	255997	236681	217361	212529	202876	164216	
	VMT(Diesel)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Trips(Gas)	69261	45022	31166	24241	24241	41555	79653	190457	221621	214705	204309	197381	197381	197381	197381	197381	197381	190457	183528	169681	158300	152366	145445	117730	
	VMT(Diesel)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Trips(Diesel)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
LGV>3.5t	Trunk Road	Total VMT	150881	103396	71584	55669	55669	95445	182940	437437	509016	493115	469258	469258	453348	453348	453348	453348	437437	421525	389729	357899	349944	334054	270408	
	VMT(Gas)	150881	103396	71584	55669	55669	95445	182940	437437	509016	493115	469258	469258	453348	453348	453348	453348	453348	437437	421525	389729	357899	349944	334054	270408	
	VMT(Diesel)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Trips(Gas)	150881	103396	71584	55669	55669	95445	182940	437437	509016	493115	469258	469258	453348	453348	453348	453348	453348	437437	421525	389729	357899	349944	334054	270408	
	Trips(Diesel)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Other Road	Total VMT	202205	131442	91035	70793	70793	121330	232510	555970	646978	626779	596445	596445	576212	576212	576212	576212	576212	555970	535779	495376	454908	424587	343700	
VMT(Gas)	202205	131442	91035	70793	70793	121330	232510	555970	646978	626779	596445	596445	576212	576212	576212	576212	576212	576212	555970	535779	495376	454908	424587	343700		
VMT(Diesel)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Trips(Gas)	202205	131442	91035	70793	70793	121330	232510	555970	646978	626779	596445	596445	576212	576212	576212	576212	576212	576212	555970	535779	495376	454908	424587	343700		
Trips(Diesel)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
HGV>15t	Trunk Road	Total VMT	139284	90538	62683	4																				

Appendix 3.5 Adopted Daily Trips and Vehicle-Mile-Travelled (VMT) in Year 2031

Vehicle Class	Road Type	0030-0130	0130-0230	0230-0330	0330-0430	0430-0530	0530-0630	0630-0730	0730-0830	0830-0930	0930-1030	1030-1130	1130-1230	1230-1330	1330-1430	1430-1530	1530-1630	1630-1730	1730-1830	1830-1930	1930-2030	2030-2130	2130-2230	2230-2330	2330-0030
#BDD	Trunk Road	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Trunk Road	144441	93891	64999	50552	86664	166111	397187	462177	447751	447751	426076	426076	411631	389953	411631	411631	411631	397187	382739	353860	324974	317750	303314	245519
	VMT(Gas)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	VMT(Diesel)	144441	93891	64999	50552	86664	166111	397187	462177	447751	447751	426076	426076	411631	389953	411631	411631	411631	397187	382739	353860	324974	317750	303314	245519
	Trunk Road	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	Trunk Road	418306	271854	188434	146429	250939	480940	1149925	1338244	1296631	1233611	1233611	1233611	1191930	1191930	1191930	1191930	1191930	1149925	1108306	1024639	940844	919933	878336	710863
	Trunk Road	293220	190575	131951	102635	175924	337208	806323	938253	908943	864966	864966	864966	835638	835638	835638	835638	835638	806323	777004	718368	659725	645062	615742	498443
	VMT(Gas)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	VMT(Diesel)	418306	271854	188434	146429	250939	480940	1149925	1338244	1296631	1233611	1233611	1233611	1191930	1191930	1191930	1191930	1191930	1149925	1108306	1024639	940844	919933	878336	710863
	Trunk Road	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Taxi	Trunk Road	1821447	1183917	819703	637593	1092887	2094693	5088894	5828422	5646293	5373170	5373170	5373170	5191017	5191017	5191017	5191017	5191017	5008894	4826767	4462517	4098216	4007087	3824986	3096367
	Trunk Road	1821447	1183917	819703	637593	1092887	2094693	5088894	5828422	5646293	5373170	5373170	5373170	5191017	5191017	5191017	5191017	5191017	5008894	4826767	4462517	4098216	4007087	3824986	3096367
	VMT(Gas)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	VMT(Diesel)	1821447	1183917	819703	637593	1092887	2094693	5088894	5828422	5646293	5373170	5373170	5373170	5191017	5191017	5191017	5191017	5191017	5008894	4826767	4462517	4098216	4007087	3824986	3096367
	Trunk Road	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PUB-3.5t	Trunk Road	2499010	1624351	1124912	874730	1499388	2873248	6870626	7995479	7145566	7370938	7370938	7370938	7121008	7121008	7121008	7121008	7121008	6870626	6621277	6122073	5621829	5496961	5247147	4247534
	Trunk Road	2499010	1624351	1124912	874730	1499388	2873248	6870626	7995479	7145566	7370938	7370938	7370938	7121008	7121008	7121008	7121008	7121008	6870626	6621277	6122073	5621829	5496961	5247147	4247534
	VMT(Gas)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	VMT(Diesel)	2499010	1624351	1124912	874730	1499388	2873248	6870626	7995479	7145566	7370938	7370938	7370938	7121008	7121008	7121008	7121008	7121008	6870626	6621277	6122073	5621829	5496961	5247147	4247534
	Trunk Road	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PUB-4.5t	Trunk Road	268384	174451	120771	93947	161035	308654	738020	838775	831968	791707	791707	791707	764844	764844	764844	764844	764844	738020	711889	657524	603843	590414	563582	456199
	Trunk Road	268384	174451	120771	93947	161035	308654	738020	838775	831968	791707	791707	791707	764844	764844	764844	764844	764844	738020	711889	657524	603843	590414	563582	456199
	VMT(Gas)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	VMT(Diesel)	268384	174451	120771	93947	161035	308654	738020	838775	831968	791707	791707	791707	764844	764844	764844	764844	764844	738020	711889	657524	603843	590414	563582	456199
	Trunk Road	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NFB-6.4t	Trunk Road	533514	346851	240200	186786	320698	613439	1466735	1706944	1653603	1573469	1520148	1520148	1520148	1440235	1520148	1520148	1520148	1466735	1413571	1306935	1200132	1173407	1120120	906739
	Trunk Road	533514	346851	240200	186786	320698	613439	1466735	1706944	1653603	1573469	1520148	1520148	1520148	1440235	1520148	1520148	1520148	1466735	1413571	1306935	1200132	1173407	1120120	906739
	VMT(Gas)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	VMT(Diesel)	533514	346851	240200	186786	320698	613439	1466735	1706944	1653603	1573469	1520148	1520148	1520148	1440235	1520148	1520148	1520148	1466735	1413571	1306935	1200132	1173407	1120120	906739
	Trunk Road	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix 3.5 Adopted Daily Trips and Vehicle-Mile-Traveled (VMT) in Year 2031

Vehicle Class	Road Type	0030-0130	0130-0230	0230-0330	0330-0430	0430-0530	0530-0630	0630-0730	0730-0830	0830-0930	0930-1030	1030-1130	1130-1230	1230-1330	1330-1430	1430-1530	1530-1630	1630-1730	1730-1830	1830-1930	1930-2030	2030-2130	2130-2230	2230-2330	2330-0030
NFB>15t	VMT(Gas)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	VMT(Diesel)	535514	346851	240200	186786	186786	320098	613439	1466735	1706844	1653603	1573469	1520148	1520148	1440235	1520148	1520148	1520148	1466735	1413571	1306935	1200132	1173407	1120120	906739
	Trips(Gas)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Trips(Diesel)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total VMT	82	53	37	29	29	49	94	242	254	262	242	242	242	221	221	234	234	234	225	217	201	185	180	172
Other Road	VMT(Gas)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	VMT(Diesel)	82	53	37	29	29	49	94	225	262	254	242	242	234	221	234	234	234	225	217	201	185	180	172	139
	Trips(Gas)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Trips(Diesel)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total VMT	39	25	17	14	14	23	44	106	106	123	113	113	110	104	110	110	110	106	102	94	87	85	81	65
FBSD	VMT(Gas)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	VMT(Diesel)	13625	8938	6130	4767	4767	8175	15670	37465	43596	42237	40190	38827	36781	38827	38827	38827	38827	37465	36100	33378	30652	29971	28612	23156
	Trips(Gas)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Trips(Diesel)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total VMT	13625	8938	6130	4767	4767	8175	15670	37465	43596	42237	40190	38827	36781	38827	38827	38827	38827	37465	36100	33378	30652	29971	28612	23156
Other Road	VMT(Gas)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	VMT(Diesel)	54663	35521	24624	19130	19130	32793	62846	150273	174881	169446	161205	161205	155767	147564	155767	155767	155767	150273	144833	133896	122942	120219	114788	92891
	Trips(Gas)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Trips(Diesel)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total VMT	54663	35521	24624	19130	19130	32793	62846	150273	174881	169446	161205	161205	155767	147564	155767	155767	155767	150273	144833	133896	122942	120219	114788	92891

Notes:

1. PC&LGV – Petrol Private Cars and Light Goods Vehicles
2. PC&LGV <2.5t – Diesel Private Cars & Light Goods Vehicles <2.5t
3. LGV2.5-3.5t – Diesel Private Cars & Light Goods Vehicles 2.5-3.5t
4. PLB – Public Light Buses
5. LGV>3.5t – Light Goods Vehicles >3.5t
6. HGV<15t – Medium & Heavy Goods Vehicles with GVW 5.5-15t
7. HGV>15t – Medium & Heavy Goods Vehicles with GVW >=15t
8. FBDD – Double Deck Franchised Buses
9. MC – Motor Cycles
10. Taxi – Taxi (LPG)
11. P1LB<3.5t – Private Light Buses <3.5t
12. P1LB>3.5t – Private Light Buses >3.5t
13. NFB<6.4t – Non-franchised Buses <6.4t
14. NFB6.4-15t – Non-franchised Buses 6.4-15t
15. NFB>15t – Non-franchised Buses >15t
16. FBSD – Single Deck Franchised Buses